

Pepco®

Andrea H. Harper Assistant General Counsel Office 202.331.6649
Fax 202.331.6767
pepco.com
ahharper@pepcoholdings.com

EP9628 701 Ninth Street NW Washington, DC 20068-0001

July 3, 2017

Ms. Brinda Westbrook-Sedgwick Commission Secretary Public Service Commission of the District of Columbia 1325 G Street, N.W. Suite 800 Washington, D.C. 20005

Re: Formal Case No.1145

Dear Ms. Westbrook-Sedgwick:

Pursuant to Sections 307(a) and 302 of the Electric Company Infrastructure Improvement Financing Emergency Amendment Act of 2017 (D.C. Law 22-067), amending the Electric Company Infrastructure Improvement Financing Act of 2014, enclosed please find an original and thirteen (13) copies of the application for approval of the first biennial Underground Infrastructure Improvement Projects Plan ("First Biennial Plan") and the application for a financing order of the District Department of Transportation ("DDOT") and Potomac Electric Power Company ("Pepco") (collectively, "Applications"). Attached to this transmittal letter is a proposed form of the public notice of the Applications suitable for publication by the Public Service Commission of the District of Columbia.

Pursuant to 15 D.C.M.R. §150, et seq., Pepco and DDOT are filing Appendix H to the First Biennial Plan under confidential seal due to the sensitive nature of the information. In addition, Pepco is providing to the parties supporting work papers on a computer disk (Confidential and Public versions).

Please contact me if you have any further questions.

Sincerely,

Andrea H. Harper

ludien H. Harper

Enclosures – CD

cc: All Parties of Record

CERTIFICATE OF SERVICE

I hereby certify that a copy of the Joint Application of Potomac Electric Power Company and the District Department of Transportation for Approval of the First Biennial Underground Infrastructure Improvement Projects Plan and Financing Order Application was sent to the recipients listed below on July 3, 2017 by electronic mail, first-class, postage prepaid, or hand delivery.

Ms. Brinda Westbrook-Sedgwick Commission Secretary Public Service Commission of the District of Columbia 1325 G Street N.W. Suite 800 Washington, DC 20005 bwestbrook@psc.dc.gov

Christopher Lipscombe
Public Service Commission of DC
1325 G Street NW, Suite 800
Washington, DC 20005
clipscombe@psc.dc.gov

Cheri Hance Staples
Assistant Attorney General
Office of General Counsel
District Department of Transportation
55 M Street, SE Suite 700
Washington, DC 20003
Cheri.staples@dc.gov

Michael Engleman Partner Squire Patton Boggs 2550 M Street, N.W. Washington, D.C. 20037 michael.engleman@squirepb.com Sandra Mattavous-Frye, Esq. People's Counsel Office of People's Counsel 1133 15th Street, N.W. Suite 500 Washington, DC 20005 smfrye@opc-dc.gov

Brian R. Caldwell
The District of Columbia Government
441 4th Street NW
Suite 600-S
Washington, DC 20001
brian.caldwell@dc.gov

Frann G. Francis, Esq
Senior Vice President and General
Counsel
Apartment and Office Building
Association of Metropolitan
Washington
1025 Connecticut Ave N.W. Suite 1005
Washington, DC 20036
ffrancis@aoba-metro.org

Richard Butterworth U.S General Services Administration 1800 F Street N.W. Washington, D.C. 20405 Richard.butterworth@gsa.gov

Malan A Margon
Andrea H. Harper

BEFORE THE PUBLIC SERVICE COMMISSION OF THE DISTRICT OF COLUMBIA

IN THE MATTER OF	
APPLICATIONS FOR APPROVAL	
OF BIENNIAL UNDERGROUND) FORMAL CASE NO. 1145
INFRASTRUCTURE	
IMPROVEMENT PROJECTS	
PLANS AND FINANCING	
ORDERS	

JOINT APPLICATION OF POTOMAC ELECTRIC POWER COMPANY AND THE DISTRICT DEPARTMENT OF TRANSPORTATION FOR APPROVAL OF THE FIRST BIENNIAL UNDERGROUND INFRASTRUCTURE IMPROVEMENT PROJECTS PLAN AND FINANCING ORDER APPLICATION

BIENNIAL UNDERGROUND INFRASTRUCTURE IMPROVEMENT PROJECTS PLAN

DIRECT TESTIMONY AND EXHIBITS OF POTOMAC ELECTRIC POWER COMPANY WITNESSES McGOWAN, CLARK, JANOCHA, AND McCABE

DIRECT TESTIMONY AND EXHIBITS OF DISTRICT DEPARTMENT OF TRANSPORTATION WITNESS WILLIAMS

PUBLIC SERVICE COMMISSION OF THE DISTRICT OF COLUMBIA

PUBLIC NOTICE

FORMAL CASE NO. 1145, IN THE MATTER OF THE APPLICATIONS FOR APPROVAL OF BIENNIAL UNDERGROUND INFRASTRUCTURE IMPROVEMENT PROJECTS PLANS AND FINANCING ORDERS

On May 17, 2017 the Electric Company Infrastructure Improvement Financing Emergency Amendment Act of 2017 (D.C. Law 22-067), amending the Electric Company Infrastructure Improvement Financing Act of 2014 (as amended, the "Undergrounding Act") became effective. The Public Service Commission of the District of Columbia ("Commission") hereby gives notice that, on July 3, 2017, the District Department of Transportation ("DDOT") and Potomac Electric Power Company ("Pepco") filed a Joint Application for Approval of the First Biennial Underground Infrastructure Improvement Projects Plan and Financing Order Application ("Joint Application") in compliance with the Undergrounding Act.

First Biennial Underground Infrastructure Improvement Projects Plan

Pursuant to Section 307(a) of the Undergrounding Act, DDOT and Pepco filed the Joint Application seeking approval of the first biennial Underground Infrastructure Improvement Projects Plan ("First Biennial Plan"). The First Biennial Plan identifies six (6) electric distribution feeders, all or parts of which are currently overhead, that DDOT and Pepco propose to place underground. As part of the feeder-selection process, Pepco ranked every overhead and combined overhead/underground feeder in the District of Columbia on a number of criteria, including the number and duration of outages and customer minutes of interruption on each feeder for the years 2010-2016 (including storm outage data). Based on this historical feeder performance data, as well as other secondary criteria, DDOT and Pepco selected the feeders that will be placed underground as part of the First Biennial Plan.

The Joint Application also requests approval of a charge called the "Underground Project Charge" to recover costs incurred by Pepco to underground the selected feeders and other authorized costs and charges. Pursuant to the Undergrounding Act, the Underground Project Charge is applicable to Pepco's District of Columbia customers who take electric distribution service, except for low-income customers served under Pepco's Residential Aid Discount Rider. Pepco may file to adjust the Underground Project Charge no later than April 1 of each year to update forecasted expenditures for the calendar year in which the update is filed and true-up costs and collections for the prior calendar year.

The proposed Underground Project Charges represent a total increase of approximately 0.5 cents per day for a typical residential customer who uses 675 kWh per month. Over the two-year period in which these charges will be in effect, the Underground Project Charges are designed to collect \$5,602,940 in total revenues. In the initial two years, Pepco expects to add approximately \$12.5 million in electric plant in service.

The initial Underground Project Charge for the first year, for each Rate Schedule, are as follows:

Rate Schedule	Underground Project Charge (per kilowatt-
	hour)
R	\$0.00021
AE	\$0.00016
RTM	\$0.00064
GS ND	\$0.00039
T	\$0.00039
GS LV	\$0.00076
GS 3A	\$0.00038
GT LV	\$0.00047
GT 3A	\$0.00028
GT 3B	\$0.00003
RT	\$0.00029
SL/TS	\$0.00010
TN	\$0.00023

If granted in full, the average monthly effects of the proposed rates in the first year will be:

		Monthly Increase Distribution Bill Only			Monthly Increase for Standard Offer Service Customers Total Bill**		
	Average						
	Monthly	Percent		Dollar	Percent		Dollar
Rate Schedule*	<u>Usage</u>	<u>Increase</u>		<u>Amount</u>	<u>Increase</u>		<u>Amount</u>
R	643	0.6%	\$	0.14	0.18%	\$	0.14
AE	642	0.6%	\$	0.10	0.13%	\$	0.10
RTM	3,595	1.3%	\$	2.30	0.45%	\$	2.30
GS ND	1,306	1.0%	\$	0.51	0.30%	\$	0.51
T	7,481	1.0%	\$	2.92	0.34%	\$	2.92
GS LV	10,395	1.4%	\$	7.90	0.55%	\$	7.90
GS 3A	20,475	1.1%	\$	7.78	0.31%	\$	7.78
GT LV	124,129	1.3%	\$	58.34	0.38%	\$	58.34
GT 3A	1,325,843	1.5%	\$	371.24	0.28%	\$	371.24
GT 3B	12,025,895	1.4%	\$	360.78	0.02%	\$	360.78
RT	24,928,230	1.5%	\$	7,857.91	NA	\$	7,857.91
SL***	5,997,416	0.5%	\$	599.74	NA	\$	599.74
TS***	799,836	0.5%	\$	79.98	NA	\$	79.98
TN	416	0.8%	\$	0.10	0.8%	\$	0.10

^{*} The effect of the proposed rates on any particular customer is dependent upon the actual usage of the customer. Increases shown are for customers with the average monthly usage.

^{**} Standard Offer Service customers purchase their electricity from PEPCO. For those customers who purchase their electricity from competitive suppliers (i.e., suppliers other than PEPCO), the dollar amounts and percentages in the Total Bill column are not applicable.

^{***} The Street Lighting and Traffic Signal increases shown refer to the total class.

First Financing Order Application

In the Joint Application, pursuant to Section 303(a)(1)(A) of the Undergrounding Act, Pepco included an application requesting that the Commission issue a financing order authorizing Pepco to assess a charge called the "Underground Rider" to recover charges imposed on Pepco by the District of Columbia. The charge imposed on Pepco by the District of Columbia is called the DDOT Underground Electric Company Infrastructure Improvement Charge or "DDOT Charge."

Pursuant to the Undergrounding Act, the District Department of Transportation ("DDOT") will use amount paid by Pepco in respect of the DDOT Charge to fund costs associated with work performed by DDOT to underground the distribution feeders included in the First Biennial Plan and to be used by Pepco to provide electric distribution service in the District of Columbia. The work to be performed by DDOT includes civil engineering for and the construction and installation of certain underground conduits, duct banks, electric vaults, manholes and similar facilities, and repaving and other road work.

The Underground Rider is applicable to all customers who take electric distribution service, except low-income customers served under Pepco's Residential Aid Discount Rider. The proposed Underground Rider represents a total increase of approximately 3.5 cents per day for a typical residential customer who uses 675 kWh per month. Over the two-year period in which these charges will be in effect, the Underground Rider is designed to collect \$60 million, or \$30 million per year. Pepco may file to adjust the Underground Rider not more frequently than twice per year to true-up the difference between the DDOT Charge imposed on Pepco for the period for which the adjustment is filed and actual amounts collected by Pepco through the Underground Rider for the corresponding period. The recovery for under-collection or over-collection shall be allocated to each customer class in the proportion to which the customer class contributed to the under-collection or over-collection.

The charges for the Underground Rider for the first year, for each Rate Schedule, are as follows:

Rate Schedule	Underground Rider (per kilowatt-hour)
R	\$0.00155
AE	\$0.00124
RTM	\$0.00481
GS ND	\$0.00296
T	\$0.00296
GS LV	\$0.00568
GS 3A	\$0.00288
GT LV	\$0.00352
GT 3A	\$0.00209
GT 3B	\$0.00020
RT	\$0.00218
SL/TS	\$0.00078
TN	\$0.00170

If granted in full, the average monthly effects of the proposed Underground Rider, in the first year, will be:

		Monthly Increase Distribution Bill Only		Monthly Increase for Standard Offer Total Bill**			
	Average						
	Monthly	Percent		Dollar	Percent		Dollar
Rate Schedule*	Usage	<u>Increase</u>		Amount	<u>Increase</u>		<u>Amount</u>
R	643	4.7%	\$	1.00	1.25%	\$	1.00
AE	642	4.6%	\$	0.80	1.07%	\$	0.80
RTM	3,595	9.9%	\$	17.29	3.41%	\$	17.29
GS ND	1,306	7.6%	\$	3.86	2.30%	\$	3.86
T	7,481	7.6%	\$	22.15	2.60%	\$	22.15
GS LV	10,395	10.4%	\$	59.05	4.12%	\$	59.05
GS 3A	20,475	8.0%	\$	59.17	2.39%	\$	59.17
GT LV	124,129	10.1%	\$	436.93	2.83%	\$	436.93
GT 3A	1,325,843	10.9%	\$	2,771.01	2.09%	\$	2,771.01
GT 3B	12,025,895	10.7%	\$	2,405.18	0.15%	\$	2,405.18
RT	24,928,230	11.0%	\$	59,071.49	NA	\$	59,071.49
SL***	5,997,416	3.8%	\$	4,677.98	NA	\$	4,677.98
TS***	799,836	3.8%	\$	623.87	NA	\$	623.87
TN	416	5.7%	\$	0.71	5.7%	\$	0.71

^{*} The effect of the proposed rates on any particular customer is dependent upon the actual usage of the customer. Increases shown are for customers with the average monthly usage.

Pepco has requested that the Underground Project Charge and the Underground Rider become effective within 90 days of the Commission's issuance of an order in Formal Case No. 1145 approving these charges.

The Commission will hold a series of community hearings on the Joint Application beginning with a hearing on July 21, 2017 to receive comments from residents and businesses in the affected communities. The dates, times, and locations of the community hearings were published on the Commission's website on June 23, 2017.

Any person desiring to intervene in this proceeding may file a petition to intervene with the Commission no later than [14 days after Notice]. All petitions to intervene shall conform to the requirements of the Commission's Rules of Practice and Procedure as set forth in Chapter 106 of Title 15 of the District of Columbia Municipal Regulations (15 DCMR Section 106).

Any person desiring to comment on the Joint Application, including the First Biennial Plan, may file comments with the Commission no later than [60 days after notice], 2017.

All written comments and petitions for intervention should be sent to Ms. Brinda Westbrook-Sedgwick, Commission Secretary, Public Service Commission of the District of Columbia, 1325 G Street, NW, Suite 800, Washington, DC 20005.

^{**} Standard Offer Service customers purchase their electricity from PEPCO. For those customers who purchase their electricity from competitive suppliers (*i.e.*, suppliers other than PEPCO), the dollar amounts and percentages in the Total Bill column are not applicable.

^{***} The Street Lighting and Traffic Signal increases shown refer to the total class.

The Commission has issued Order No. 18801, establishing an expedited discovery schedule and process, as required by the Undergrounding Act. The issues to be considered by the Commission in reviewing the Joint Application are identified in Sections 302, 308 and 310 of the Undergrounding Act.

The Application is available for viewing on the Commission's website (www.dcpsc.org) and inspection at the Public Service Commission's Office of the Commission's Secretary, 1325 G Street, Suite 800, between the hours of 9:00 am and 5:30 pm, Monday through Friday. Copies of the Application can be purchased at the Commission at a cost of \$0.10 per page, actual reproduction cost. The Application may also be inspected at the following public libraries:

District of Columbia Public Ward Libraries

Mount Pleasant Library 3160 16th St. NW Washington, D.C. 20010 mtpleasantlibrary@dc.gov 202-671-3121

Southwest Library 900 Wesley Place SW Washington, D.C. 20024 southwestlibrary@dc.gov 202-724-4752

Cleveland Park Library 4340 Connecticut Ave NW Washington, D.C. 20008 clevelandparklibrary@dc.gov 202-282-3080

Bellevue Library. William O. Lockridge 115 Atlantic St. SW Washington, D.C. 20032 bellevuelibrary@dc.gov 202-243-1185 Southeast Library 900 Wesley Place SW Washington, D.C. 20024 southwestlibrary@dc.gov 202-724-4752

Petworth Library 4200 Kansas Ave. NW Washington, D.C. 20011 petworthlibrary@dc.gov 202-243-1188

Woodridge Library 1801 Hamlin Street NE Washington, D.C. 20018 woodridgelibrary@dc.gov 202-541-6226

Capitol View Library 5001 Central Ave. SE Washington, D.C. 20019 capitolviewlibrary@dc.gov 202-645-0755

BEFORE THE PUBLIC SERVICE COMMISSION OF THE DISTRICT OF COLUMBIA

IN THE MATTER OF)	
APPLICATIONS FOR APPROVAL OF)	
BIENNIAL UNDERGROUND INFRASTRUCTURE)	Formal Case No. 1145
IMPROVEMENT PROJECTS PLANS AND)	
FINANCING ORDERS)	

JOINT APPLICATION OF POTOMAC ELECTRIC POWER COMPANY AND THE DISTRICT DEPARTMENT OF TRANSPORTATION FOR APPROVAL OF THE FIRST BIENNIAL UNDERGROUND INFRASTRUCTURE IMPROVEMENT PROJECTS PLAN AND FINANCING ORDER APPLICATION

Pursuant to Section 307(a) of the Electric Company Infrastructure Improvement Financing Emergency Amendment Act of 2017 (the "Emergency Amendment Act"), which amends the Electric Company Infrastructure Improvement Financing Act of 2014 ("Original Act") (as so amended, the "Undergrounding Act"), the District Department of Transportation ("DDOT") and Potomac Electric Power Company ("Pepco" or the "Company") hereby jointly file the application ("Joint Application") for approval by the Public Service Commission of the District of Columbia ("Commission") of the first biennial Underground Infrastructure Improvement Projects Plan ("First Biennial Plan") for placing certain electric power lines and ancillary facilities underground. Pursuant to Sections 301 and 302 of the Undergrounding Act, Pepco also is filing herein an application for a financing order ("Financing Order Application").

D.C. Law 22-56.

D.C. Law 20-102; D.C. Code § 34-1311.01 et seq.

Except where the context provides otherwise, reference to the First Biennial Plan shall include the First Biennial Plan, the Appendices thereto, and the accompanying testimony and exhibits of the Pepco and DDOT witnesses.

The Joint Application and the Financing Order Application are collectively referred to as the "Applications."

The initiative to place certain power lines underground described in the Applications is referred to herein as the District of Columbia Power Line Undergrounding, or DC PLUG, initiative.

In support of the Joint Application, the First Biennial Plan, and the Financing Order Application, DDOT and Pepco state as follows:

I. The Applicants

A. Pepco

Pepco is a District of Columbia and Virginia corporation having its principal place of business at 701 Ninth Street, N.W., Washington, D.C. 20068. Pepco is a wholly-owned subsidiary of Pepco Holdings LLC ("Pepco Holdings") and, since March 23, 2016, a subsidiary of Exelon Corporation. Pepco is engaged principally in the purchase and regulated retail sale of electricity and the provision of electricity distribution and transmission services in the District of Columbia and major portions of Prince George's County and Montgomery County in Maryland.

Pepco is subject to regulation by the Commission with respect to its public utility operations within the District of Columbia pursuant to the District of Columbia Public Utilities Act, as amended, D.C. Official Code §§ 34-101 *et seq*.

B. DDOT

DDOT was established by the Council of the District of Columbia (D.C. Council) as an agency within the executive branch of the government of the District of Columbia ("District") to improve the District's economic competitiveness and quality of life by planning, coordinating, and operating the transportation system, and managing and maintaining the transportation infrastructure, to ensure the safe, efficient movement of people, goods and information along public rights-of-way pursuant to D.C. Official Code §50-921.01 *et seq*.

II. **Identification and Contact Information**

All correspondence and communications concerning the Applications should be sent to the following persons at the addresses specified below. In addition, as required by Section 308(c)(8) of the Undergrounding Act, below is the contact information of the individuals who may be contacted by the Commission with formal or informal requests for clarification of any material in the Joint Application or requests for additional information.

DDOT

Brian R. Caldwell
Assistant Attorney General
Public Advocacy Division
Public Integrity Unit
Office of the Attorney General for the
District of Columbia
441 Fourth Street, N.W., Suite 600-S
Washington, D.C. 20010
brian.caldwell@dc.gov

Cheri H. Staples
Assistant General Counsel
Office of the General Counsel
District Department of Transportation
55 M Street, S.E., Suite 700
Washington, D.C. 20003
cheri.staples@dc.gov

Pepco

Peter E. Meier
Vice President, Legal Services
Kim F. Hassan
Associate General Counsel
Andrea H. Harper
Assistant General Counsel
Potomac Electric Power Company
701 Ninth Street, N.W., 9th Floor
Washington, D.C. 20068
peter.meier@pepcoholdings.com
kim.hassan@exeloncorp.com
ahharper@pepcoholdings.com

Matthew L. Kozey, Esq.
Manager, Regulatory Affairs
Potomac Electric Power Company
701 Ninth Street, N.W., 9th Floor
Washington, D.C. 20068
mlkozey@pepcoholdings.com

III. Background

In August 2012, Mayor Vincent Gray convened a task force ("Task Force"), giving specific directives for analyzing "the technical feasibility, infrastructure options and reliability implications of undergrounding new or existing overhead electrical distribution facilities in the

District of Columbia."⁵ In October 2013 the Task Force issued its Final Report.⁶ On March 3, 2014, Mayor Gray signed the Original Act into law,⁷ directing DDOT and Pepco to bury certain overhead power lines in order to improve electric service resiliency and reliability in the District of Columbia. On June 17, 2014, DDOT and Pepco filed the first triennial Underground Infrastructure Improvement Projects Plan ("First Triennial Plan"), which was approved on November 12, 2014,⁸ as clarified on January 22, 2015.⁹ On August 1, 2014, Pepco filed the Application of Potomac Electric Power Company for Issuance of a Financing Order, which was approved on November 24, 2014.¹⁰

On September 15, 2014, OPC, DDOT and Pepco entered into the 2014 Stipulation¹¹ that resolved in their entirety the protests that OPC made regarding certain technical and other aspects of system design, construction and operation as well as certain aspects of the proposed communications plan. DDOT and Pepco committed to incorporating the stipulations into the implementation of the First Triennial Plan. The Commission accepted the 2014 Stipulation in

Mayor's Power Line Undergrounding Task Force, Findings & Recommendations ("Final Report") at 8 (Oct. 2013).

Final Report at 9.

The law became effective on May 3, 2014.

In the Matter of the Application for Approval of Triennial Underground Infrastructure Improvement Projects Plan, Formal Case No. 1116, Order No. 17697 (Nov. 12, 2014) ("Order No. 17697"), reh'g denied In the Matter of the Application for Approval of Triennial Underground Infrastructure Improvement Projects Plan, Formal Case No. 1116, Order No. 17769 (Jan. 22, 2015).

In the Matter of the Application for Approval of Triennial Underground Infrastructure Improvement Projects Plan, Formal Case No. 1116, Order No. 17770 (Jan. 22, 2015) ("Order No. 17770").

In the Matter of the Application of the Potomac Electric Power Company for a Financing Order, Formal Case No. 1121, Order No. 17714 (Nov. 24, 2014) ("Order No. 17714"), reh'g denied In the Matter of the Application of the Potomac Electric Power Company for a Financing Order, Formal Case No. 1121, Order No. 17797 (Feb. 2, 2015).

Joint Stipulation of the Office of the People's Counsel, Potomac Electric Power Company, and the District Department of Transportation Resolving Recommendations 1-13 and 16-25 of the Protest of the Office of People's Counsel in Formal Case No. 1116, Formal Case No. 1116 (Sept. 15, 2014) ("2014 Stipulation"). The 2014 Stipulation is available on the Commission's website at http://edocket.dcpsc.org/edocket/docketsheets_pdf_FS.asp?caseno=FC1116&docketno=110&flag=D&show_result=V

Order No. 17697.¹² The 2014 Stipulation, *inter alia*, required DDOT and Pepco to evaluate opportunities to place padmounted transformers on the feeders placed underground as part of the DC PLUG initiative. DDOT and Pepco filed applications to place padmounted transformers in public space in the District of Columbia, all of which were denied. As a result, in March 2016, DDOT, Pepco and OPC entered into the 2016 Stipulation in which they agreed, *inter alia*, that the obligation of DDOT and Pepco to evaluate locations for padmounted transformers within the District is terminated unless the Commission issues an order reinstating the obligation.¹³ DDOT and Pepco have incorporated the agreements set forth in the 2014 Stipulation and the 2016 Stipulation by reference or explicitly into the First Biennial Plan and continue to be committed to fulfilling the applicable obligations.

In March 2015, AOBA appealed the final orders in Formal Case Nos. 1116 and 1121 to the District of Columbia Court of Appeals ("D.C. Court of Appeals"), challenging the interpretation of certain provisions of the Original Act. Specifically, AOBA challenged the provisions of the Original Act that required Pepco to allocate the costs associated with the Underground Project Charge and the DDOT Charge among certain Pepco customer classes "in accordance with the distribution service customer class cost allocations approved by the Commission for the electric company. . . [in the] most recent base rate case," as provided in Sections 301(a)(4) and 310(c)(1) of the Original Act. Effective October 22, 2015, the D.C. Council amended the Original Act to include a specific definition of "distribution service

Order No. 17697 at P 149.

Motion to Approve Joint Stipulation and Joint Stipulation of the Office of the People's Counsel, Potomac Electric Power Company, and the District Department of Transportation regarding Consideration of Pad-Mounted Transformers for DC PLUG Initiative Feeders in Formal Case No. 1116, Formal Case No. 1116 (Mar. 8, 2016) ("2016 Stipulation"). The 2016 Stipulation is available on the Commission's website at http://edocket.dcpsc.org/edocket/docketsheets_pdf_FS.asp?caseno=FC1116&docketno=239&flag=D&show_result=Y

customer class cost allocations,"¹⁴ which amendment was included in the appeal heard by the D.C. Court of Appeals. The D.C. Court of Appeals affirmed the Commission orders on January 14, 2016¹⁵ and denied AOBA's request for rehearing *en banc* on March 17, 2016.

On October 9, 2014 in Formal Case No. 1121, the GSA stated that it was "concerned that the recovery of the bonds under the Act may represent a tax to be collected from customers of PEPCO." GSA provided no further explanation or comment on the matter until, on June 24, 2015, GSA sent a letter to the District asserting that the surcharge under the Original Act that paid principal, interest and expenses of the securitized bond financing constitutes a tax on endusers of Pepco from which the Federal Government is immune. Pepco, the District and DDOT sought to address the GSA challenge in a manner that would allow the DC PLUG initiative to proceed under the Original Act but ultimately concluded that the Original Act would have to be amended and, to that end, developed an alternative structure.

On May 17, 2017, Mayor Muriel Bowser signed the Emergency Amendment Act into law. The D.C. Council also passed the Electric Company Infrastructure Improvement Financing Amendment Act of 2017, which Mayor Bowser signed on May 19, 2017. On May 26, 2017, the Permanent Amendment Act was transmitted to the United States Congress for period and, if not acted upon by Congress in the thirty session-day period, thereafter becomes law. The Permanent Amendment Act would effectuate the same terms as the Emergency Amendment Act

D.C. Law 21-36; D.C. Code § 34–1311.01(8A).

Apt. and Office Bldg. Ass'n of Metro Wash. v. PSC of the Dist. of Columbia, 129 A.3d 925 (D.C. Jan. 14, 2016).

United States General Services Administration's Protests and Objections, Formal Case No. 1121 (Oct. 9, 2014).

Letter dated June 24, 2015 from Norman Dong, United States General Services Administration to Jeffrey Barnette, Deputy CFO and Treasurer, District of Columbia Office of Finance and Treasury.

D.C. Act A22-0067 ("Permanent Amendment Act").

The Projected Law Date is July 14, 2017.

but on a permanent basis. Among other material changes, the Emergency Amendment Act and the Permanent Amendment Act impose a charge on Pepco—similar to the Public Space Occupancy Charge imposed on Pepco or the E911 charge imposed on telecommunications companies operating in the District of Columbia—the cost of which Pepco will be entitled to recover from its distribution service customers through a surcharge on their bills.

Pursuant to Sections 308 and 301 and 302 of the Undergrounding Act, DDOT and Pepco are submitting the Joint Application and the Financing Order Application, both of which comply in all respects with the Undergrounding Act and provide extensive data and other information that support the undergrounding activities proposed and funded in the Joint Application and the Financing Order Application.

IV. SUMMARY OF REQUEST

In the Joint Application, DDOT and Pepco seek approval of the First Biennial Plan to underground specified electric power lines and ancillary facilities and permission to impose the Underground Project Charge. In the Financing Order Application, Pepco seeks approval to implement the Underground Rider to recover the funds Pepco is required to remit to the District for the DDOT Underground Electric Company Infrastructure Improvement Charge ("DDOT Charge"), approval of the DDOT Underground Electric Company Infrastructure Improvement Costs, and approval of the DDOT Charge. The Applications are supported by the First Biennial Plan, which includes all appendices, and the supporting direct testimonies and exhibits.

The following testimonies and exhibits support the Applications and the First Biennial Plan. Company Witness Kevin McGowan, Vice President, Regulatory Policy & Strategy of Pepco Holdings, *inter alia*, will provide a description of the revised funding structure under the

Undergrounding Act related to the DDOT Underground Electric Company Infrastructure Improvement Activity and will demonstrate that the Financing Order Application is in compliance with the requirements of the Undergrounding Act in Section 302. Company Witness Bryan Clark, Director, Engineering for Pepco Holdings, will discuss certain aspects of the First Biennial Plan that relate to the construction efforts under the First Biennial Plan. Company Witness Joseph Janocha, Manager, Rate Economics for Pepco Holdings, will discuss the rate impacts and revenue requirement associated with the DC PLUG initiative and will provide support for the Financing Order Application. Company Witness Cynthia McCabe, Director, Communications for Pepco Holdings, will discuss customer and community education and outreach activities associated with the DC PLUG initiative. DDOT Witness Ronald Williams, Program Manager, will discuss the DDOT Underground Electric Company Infrastructure Improvement Costs, the DDOT Charges, and other information, such as local business procurement.

The Applications and the First Biennial Plan are also supported by the following appendices:

Appendix A Feeder Ranking (SAIFI, SAIDI, CMI/\$)

Appendix B Feeder Prioritization

Appendix C Feeder Description Summary Sheets

Appendix D Feeder Locations and One-Line Drawings

Appendix E Existing Overhead Electrical Schematics

Appendix F Preliminary Electrical Schematics

Appendix G Preliminary Civil Schematics

Appendix H Itemized Feeder Cost Estimates (Confidential)

Appendix I

Revenue Requirement

Appendix J

Rate Design

Appendix K

Rider "UPC"

Appendix L

Underground Rider

Appendix M

Customer Bill Impact

Appendix N

DC PLUG Education Plan and Budget

Appendix O

Utility Coordination Protocol

V. MATERIAL CHANGES IN THE UNDERGROUNDING ACT

The Emergency Amendment Act changed the Original Act in several material ways. The primary difference between the two acts was a change to how the DC PLUG initiative will be financed. Under the Original Act, the District portion of the DC PLUG initiative was to be financed through a bond issuance to be paid through a charge imposed on Pepco customers and collected by Pepco as agent for the District. Under the Undergrounding Act's new financing structure, ²⁰ the District will impose on Pepco the DDOT Charges. Pepco will then recover the amount remitted to the District for the DDOT Charges through the Underground Rider. The Underground Rider is an annually adjusted rider to Pepco's electric distribution rates that will be paid by all distribution service customers (except customers served under the Residential Aid

The new financing structure is reflected primarily in Sections 101, 301, 302, 303, 303a, 313, and 314 of the Undergrounding Act. Consequently, Pepco and the District will not enter into the Servicing Agreement approved by the Commission in Order No. 17714 at P 263 (Nov. 24, 2014) because Pepco will not be acting as agent for the District in the revised structure created by the Emergency Amendment Act, nor will the bonds authorized by the Commission pursuant to Order No. 17714 at P 249 be issued. In accordance with Section 306a of the Undergrounding Act, the Commission has the authority to terminate the prior financing order, Order No. 17714, in whole or relevant part, should the Commission deem it necessary or appropriate to clarify the record, because no bonds have been issued pursuant to Order No. 17714.

Discount ("RAD") program)). The amount recovered under the Underground Rider must be equal to the aggregate amount paid under the DDOT Charges.

A second material change in the Undergrounding Act requires DDOT and Pepco to file biennial plans rather than triennial plans with the Commission. The change to a biennial plan is reflected primarily in Sections 301, 302, 307, 308, 309, and 310 of the Undergrounding Act.

A third material change in the Undergrounding Act is the addition of Section 303a, which created the DDOT Underground Electric Company Infrastructure Improvement Fund ("DDOT Improvement Fund"). Payments remitted from Pepco to the District for the DDOT Charges will be held in the DDOT Improvement Fund for exclusive use to pay for the DDOT Underground Electric Company Infrastructure Improvement Costs.

Finally, the Undergrounding Act reduced the amount that can be imposed under the DDOT Charges (now imposed on Pepco) from \$375 million to \$187.5 million, as reflected in Section 301(a)(2)(A). In addition, the amount that Pepco can recover under the Underground Project Charge was reduced, from \$500 million to \$250 million, as reflected in Section 307(k)(3)(A). As a result of the reduction of the overall initiative amount from \$1 billion to an initial phase²¹ of \$500 million, DDOT anticipates spending up to \$62.5 million on opportunity projects, reduced from a maximum of \$125 million.

VI. <u>Joint Application Compliance with the Undergrounding Act</u>

Section 308 of the Undergrounding Act specifies the contents of the Joint Application and the First Biennial Plan and the requirements that Pepco and DDOT must meet in the Joint Application and First Biennial Plan. The Joint Application and First Biennial Plan and the

Section 319(D)(i)-(iii) of the Undergrounding Act provides for future expansion of the DC PLUG initiative and Underground Project Charge and DDOT Charge limits upon recommendation of the Mayor to the D.C. Council.

accompanying testimony and exhibits provide the information necessary for Commission approval, which will allow Pepco and DDOT to begin construction activities and will allow Pepco to begin collecting the Underground Project Charge.

A. Section 308(a)(1)(A)

Section 308(a)(1)(A) of the Undergrounding Act requires that the First Biennial Plan include a measurement and ranking of each overhead and combined overhead-underground mainline primary and lateral feeder in the District of Columbia.²² The section of the First Biennial Plan entitled "Feeder Selection" discusses the measurement and ranking of the required mainline primary and lateral feeders based on data from 2010-2016, using the primary selection criteria (Section 308(a)(2)) discussed below, as supported by Appendix A. The testimony of Company Witness Clark and his accompanying exhibits discuss the ranking and prioritization processes in detail, including the ranking process used to select the feeders for the First Biennial Plan shown in Appendix B. The Joint Application, First Biennial Plan, and the accompanying testimony and exhibits provide the information necessary to satisfy the requirements of Section 308(a)(1)(A).

B. Section 308(a)(1)(B)

Section 308(a)(1)(B) of the Undergrounding Act requires that the First Biennial Plan use the aforementioned rankings to identify which of Pepco's mainline and lateral feeders will utilize the DDOT Underground Electric Company Infrastructure Improvements. Appendices B and C identify the selected mainline primary and lateral feeders and the section of the First Biennial Plan entitled "Feeder Selection" discusses the process used to select the feeders for the first two years of the DC PLUG initiative. The testimony of Company Witness Clark and accompanying exhibits also address the feeder selection process. The Joint Application, First Biennial Plan, and

Section 308(a)(1)(A) directs that the measurement and ranking be based on feeder data from January 1, 2010 through the most recently completed calendar year and use the primary selection criteria in Section 308(a)(2).

the accompanying testimony and exhibits provide the information necessary to satisfy the requirements of Section 308(a)(1)(B).

C. Section 308(a)(2)

Section 308(a)(2) of the Undergrounding Act requires a showing of certain enumerated metrics based on all sustained interruptions that affect the public welfare (inclusive of major service outages) on each overhead and combined overhead-underground mainline primary and lateral feeder circuits in the District of Columbia from January 1, 2010 through the most recently completed calendar year. In compliance with Section 308(a)(2), Appendix A includes a weighted average, for 2010-2016, of the (1) number of outages per feeder, (2) duration of the outages per feeder, and (3) cost per customer minutes of interruption per feeder. The section of the First Biennial Plan entitled "Feeder Selection" discusses this analysis. The testimony of Company Witness Clark and his accompanying exhibits address the weighting based on the criteria required in Section 308(a)(2) of the Undergrounding Act. The Joint Application, First Biennial Plan, and the accompanying testimony and exhibits provide the information necessary to satisfy the requirements of Section 308(a)(2).

D. Section 308(a)(3)(A)

Section 308(a)(3)(A) of the Undergrounding Act requires that the First Biennial Plan describe each mainline primary and lateral feeder that DDOT and Pepco selected to be placed underground, and identify and describe the feeder number and feeder location, including street address, neighborhood and Ward. The section of the First Biennial Plan entitled "Feeder Descriptions" and Appendices C, D, E, F, and G identify and describe the feeder number and feeder location, including street address, neighborhood and Ward for the selected mainline primary and lateral feeders, as supported by the testimony of Company Witness Clark. The Joint

Application, First Biennial Plan, and the accompanying testimony provide the information necessary to satisfy the requirements of Section 308(a)(3)(A).

E. Section 308(a)(3)(B)

Section 308(a)(3)(B) of the Undergrounding Act requires that the First Biennial Plan include overhead electrical cables, fuses, switches, transformers, and ancillary equipment, including poles, that will either be placed underground or removed. Appendices E and F of the First Biennial Plan identify overhead electrical cables, fuses, switches, transformers, and ancillary equipment that will either be placed underground or removed, as discussed in the "Feeder Descriptions" section of the First Biennial Plan and supported by the testimony of Company Witness Clark. The Joint Application, First Biennial Plan, and the accompanying testimony provide the information necessary to satisfy the requirements of Section 308(a)(3)(B).

F. Section 308(a)(3)(C)

Section 308(a)(3)(C) of the Undergrounding Act requires that the First Biennial Plan include overhead primary and lateral feeders that are currently located parallel to the primary and lateral feeders selected to be placed underground. Appendices B and F to the First Biennial Plan identify overhead primary and lateral feeders that are currently located parallel to the primary and lateral feeders selected to be placed underground, as discussed in the section of the First Biennial Plan entitled "Feeder Descriptions" and supported by the testimony of Company Witness Clark. The Joint Application, First Biennial Plan, and the accompanying testimony provide the information necessary to satisfy the requirements of Section 308(a)(3)(C).

G. Section 308(a)(3)(D)

Section 308(a)(3)(D) of the Undergrounding Act requires that the First Biennial Plan identify the overhead secondary feeder circuits and ancillary facilities, and telecommunications and cable television cables and ancillary above-ground equipment that will not be placed

underground. The section of the First Biennial Plan entitled "Remaining Overhead Power Lines and Associated Equipment" discusses the fact that all overhead secondary feeder circuits and ancillary facilities, and telecommunications and cable television cables and ancillary above-ground equipment will remain above ground, as supported by the testimony of Company Witness Clark. Moreover, from the time that DDOT and Pepco file the First Biennial Plan to the time that civil and electrical engineering designs are finalized, DDOT and Pepco will look for opportunities to allow certain limited portions of DC PLUG initiative feeders to remain overhead, potentially reducing costs for the selected feeder, without impacting the anticipated reliability and resilience gains associated with placing the feeder underground. This will allow DDOT and Pepco to apply the cost of placing that section of the feeder underground to a future DC PLUG feeder. The Joint Application, First Biennial Plan, and the accompanying testimony provide the information necessary to satisfy the requirements of Section 308(a)(3)(D).

H. Section 308(a)(3)(E)

Section 308(a)(3)(E) of the Undergrounding Act requires that the First Biennial Plan identify the proposed Electric Company Infrastructure Improvements funded by the Underground Project Charge and the DDOT Underground Electric Company Infrastructure Improvements funded by DDOT Charges. Appendices C, F, and G to the First Biennial Plan identify the proposed Electric Company Infrastructure Improvements funded by the Underground Project Charge and DDOT Underground Electric Company Infrastructure Improvements to be funded by DDOT Charges, as discussed in the sections of the First Biennial Plan entitled "Feeder Descriptions" and "Interties, Future Load, and Feeder Conversions" and supported by the testimonies of Company Witness Clark and DDOT Witness Williams. The Joint Application, First Biennial Plan, and the accompanying testimonies provide the information necessary to satisfy the requirements of Section 308(a)(3)(E).

I. Section 308(a)(3)(F)

Section 308(a)(3)(F) of the Undergrounding Act requires that the First Biennial Plan identify new distribution automation devices and segmentation capability to be obtained through the DC PLUG initiative. The section of the First Biennial Plan entitled "Incorporation of Innovative Methods and Advanced Technology," as supported by the testimony of Company Witness Clark, discusses new distribution automation devices and segmentation capability that may be obtained through the DC PLUG initiative. The Joint Application, First Biennial Plan, and the accompanying testimony provide the information necessary to satisfy the requirements of Section 308(a)(3)(F).

J. Section 308(a)(3)(G)

Section 308(a)(3)(G) of the Undergrounding Act requires that the First Biennial Plan identify interties that will enable the feeder to receive power from multiple directions or sources. The section of the First Biennial Plan entitled "Interties, Future Load and Feeder Conversions" and Appendices B, E and F identify interties that will enable the feeder to receive power from multiple directions or sources, as supported by the testimony of Company Witness Clark. The Joint Application, First Biennial Plan, and the accompanying testimony provide the information necessary to satisfy the requirements of Section 308(a)(3)(G).

K. Section 308(a)(3)(H)

Section 308(a)(3)(H) of the Undergrounding Act requires that the First Biennial Plan identify the capability to meet current load and future load projections. The section of the First Biennial Plan entitled "Interties, Future Load and Feeder Conversions" and Appendix C discuss the capability to meet current load and future load projections, as supported by the testimony of Company Witness Clark. The Joint Application, First Biennial Plan, and the accompanying testimony provide the information necessary to satisfy the requirements of Section 308(a)(3)(H).

L. Section 308(b)

Section 308(b) of the Undergrounding Act requires that DDOT and Pepco identify estimated start and end dates for each approved project not more than 90 days after approval of the Joint Application and First Biennial Plan. As Company Witness Clark testifies, DDOT and Pepco will identify estimated start and end dates within 90 days of approval of the Joint Application and First Biennial Plan, in compliance with Section 308(b).

M. Section 308(c)(1)

Section 308(c)(1) of the Undergrounding Act requires that the First Biennial Plan include an itemized estimate of the Electric Company Infrastructure Improvement Costs and the proposed Underground Project Charges. The section of the First Biennial Plan entitled "Project Cost" and Appendix H provides the itemized estimates of the Electric Company Infrastructure Improvement Costs, ²³ as supported by the testimony of Company Witness Clark. The section of the First Biennial Plan entitled "Cost Recovery" and Appendix K discuss the proposed Underground Project Charge, as supported by the testimony and exhibits of Company Witness Janocha. The Joint Application, First Biennial Plan, and the accompanying testimonies and exhibits provide the information necessary to satisfy the requirements of Section 308(c)(1).

N. Section 308(c)(2)

Section 308(c)(2) of the Undergrounding Act requires that the First Biennial Plan include itemized estimates of the DDOT Underground Electric Company Infrastructure Improvement Costs. The section of the First Biennial Plan entitled "Project Cost" and Appendix H provide the itemized estimates of the DDOT Underground Electric Company Infrastructure Improvement Costs, as supported by the testimony of Company Witness Clark and DDOT Witness Williams.

Due to the sensitivity of providing bidders with cost estimates and based on DDOT and Pepco's experience with the First Triennial Plan, DDOT and Pepco are providing the itemized Electric Company Infrastructure Improvement Costs and DDOT Underground Electric Company Infrastructure Improvement Costs under confidential cover pursuant to 15 D.C.M.R. § 150. Aggregate amounts for DDOT, Pepco and Total Costs appear in the public version of Appendices B and C.

The Joint Application, First Biennial Plan, and the accompanying testimony provide the information necessary to satisfy the requirements of Section 308(c)(2).

O. Section 308(c)(3)

Section 308(c)(3) requires that the First Biennial Plan include an assessment of potential obstacles to timely completion of a project. The section of the First Biennial Plan entitled "Obstacles to Timely Completion" provides an assessment of potential obstacles to timely completion for any of the projects in the DC PLUG initiative, as supported by the testimony of Company Witness Clark. The Joint Application, First Biennial Plan, and the accompanying testimony provide the information necessary to satisfy the requirements of Section 308(c)(3).

P. Section 308(c)(4)

Section 308(c)(4) of the Undergrounding Act requires that the First Biennial Plan include a description of the efforts taken to identify District of Columbia residents to be employed by DDOT and Pepco contractors during the planned construction of the DDOT Underground Electric Company Infrastructure Improvements and the Electric Company Infrastructure Improvements in the First Biennial Plan. The section of the First Biennial Plan entitled "Focus on District of Columbia Businesses and Residents" provides a description of the efforts taken to identify District of Columbia residents to be employed by DDOT and Pepco and their contractors during the planned construction of the DDOT Underground Electric Company Infrastructure Improvements and the Electric Company Infrastructure Improvements, as supported by the testimonies of Company Witness Clark and DDOT Witness Williams. The Joint Application, First Biennial Plan, and the accompanying testimony provide the information necessary to satisfy the requirements of Section 308(c)(4).

Q. Section 308(c)(5)

Section 308(c)(5) of the Undergrounding Act requires that the First Biennial Plan include an explanation of the availability of alternate funding sources, if any, for relocation of the overhead equipment and ancillary facilities. The section of the First Biennial Plan entitled "Alternate Funding Sources" and the testimonies of Company Witness Clark and DDOT Witness Williams explain that neither the Company nor DDOT is aware of any alternate sources of funds, satisfying the requirements of Section 308(c)(5).

R. Section 308(c)(6)(A)

Section 308(c)(6)(A) of the Undergrounding Act requires that the First Biennial Plan include an exhibit setting forth the proposed Underground Project Charges, workpapers calculating the derivation of these charges, the proposed allocation of billing responsibility among the Pepco's distribution service customer classes for the Underground Project Charges. The section also requires a worksheet showing the (1) projected total expenses, (2) capital costs, (3) depreciation expenses, (4) annual revenue requirement and rate of return on equity, as set by the Commission in Formal Case No. 1103, ²⁴ and (5) allocation of billing responsibility utilized in these calculations. The exhibits providing this information can be found in Appendices I, J, K, and M of the First Biennial Plan and further discussion of the contents can be found in the section of the First Biennial Plan entitled "Cost Recovery." In addition, Company Witness Janocha and the associated exhibits support the First Biennial Plan. The Joint Application, First Biennial Plan, and the accompanying testimony and exhibits provide the information necessary to satisfy the requirements of Section 308(c)(6)(A).

Formal Case No. 1103 is the most recently decided base rate case. When an order is issued in Formal Case No. 1139, DDOT and Pepco will update the revenue requirement and rate of return on equity within two weeks of the issuance of the order.

S. Section 308(c)(6)(B)

Section 308(c)(6)(B) of the Undergrounding Act requires that the aforementioned exhibit in Section 308(c)(6)(A) include the proposed accounting treatment for the costs to be recovered through these charges. It also requires that no costs recovered through the Underground Project Charge be included in rate base or otherwise be incorporated in base tariff rates unless or until Pepco requests that these costs be transferred into rate base and discontinues recovery through the Underground Project Charge. The section of the First Biennial Plan entitled "Cost Recovery" provides this information, as supported by the testimony and exhibits of Company Witness Janocha. The Joint Application, First Biennial Plan, and the accompanying testimony and exhibits provide the information necessary to satisfy the requirements of Section 308(c)(6)(B).

T. Section 308(c)(7)

Section 308(c)(7) of the Undergrounding Act requires that the First Biennial Plan include any other information that DDOT or Pepco considers material to the Commission's consideration of the application. The DC PLUG Education Plan ("Education Plan") and accompanying budget in Appendix N are material parts of the First Biennial Plan. The Education Plan and accompanying budget are discussed in the "DC PLUG Education Plan" section of the First Biennial Plan. Company Witness McCabe testifies about the importance of the Education Plan to the DC PLUG initiative, including the origin of the Education Plan, the Commission's approval of the Education Plan in the First Triennial Plan, the general strategy underlying the Education Plan, the Education Plan budget, and the reasonableness of the Education Plan. The Joint Application, First Biennial Plan, and the accompanying testimony and exhibit provide the information necessary to satisfy the requirements of Section 308(c)(7).

U. Section 308(c)(8)

Section 308(c)(8) of the Undergrounding Act requires that the First Biennial Plan include identification and contact information of one or more individuals who may be contacted by the Commission with formal or informal requests for clarification of any material set forth in the Joint Application and First Biennial Plan or requests for additional information. Part II (Identification and Contact Information) of the Applications provides the required identification and contact information to satisfy the requirements of Section 308(c)(8).

V. Section 308(c)(9)

Section 308(c)(9) of the Undergrounding Act requires that the Joint Application and First Biennial Plan include a proposed form of notice of the application for Commission publication. The required form of notice is attached to Pepco's transmittal letter, satisfying the requirements of Section 308(c)(9).

W. Section 308(c)(10)

Section 308(c)(10) of the Undergrounding Act requires that the First Biennial Plan include

[a] protocol to be followed by the electric company and DDOT to provide notice and to coordinate engineering, design, and construction work performed pursuant to this act with the gas company, water utility, and other utilities that own or plan to construct, as approved by the Commission where applicable, facilities that may be affected by DDOT Underground Electric Company Infrastructure Improvement Activity or Electric Company Infrastructure Improvement Activity.

The "Utility Coordination" section of the First Biennial Plan describes the coordination measures to be pursued and Appendix O presents the utility coordination protocol, as supported by the testimony of DDOT Witness Williams. The Joint Application, First Biennial Plan, and the accompanying testimony provide the information necessary to satisfy the requirements of Section 308(c)(10).

VII.

Requested Commission Findings Regarding the Joint Application

Based on the data and information provided in this Joint Application (including the First Biennial Plan and the accompanying testimony and exhibits) and the Financing Order Application, DDOT and Pepco respectfully request that the Commission make the following findings, as contemplated by Section 310(b) of the Undergrounding Act.

A. Section 310(b)(1)

The Joint Application satisfies the applicable requirements of Section 308 of the Undergrounding Act.

B. Section 310(b)(2)

The proposed Electric Company Underground Infrastructure Improvements are appropriately designed and located.

C. Section 310(b)(3)

The intended reliability improvements will accrue to the benefit of Pepco's customers.

D. Section 310(b)(4)

The projected costs associated with the proposed Electric Company Underground Infrastructure Improvement Activity are prudent.

E. Section 310(b)(5)

The projected DDOT Underground Electric Company Infrastructure Improvement Costs to be funded by DDOT Charges are prudent.

F. Section 310(b)(6)

Pepco's proposed Underground Project Charges are just and reasonable.

G. Section 310(b)(7)

The grant of the authorizations and approvals sought by DDOT and Pepco in the Joint Application are otherwise in the public interest.

VIII.

Requested Commission Authorizations and Approvals in Accordance with the Undergrounding Act

Based on the data and information provided in this Joint Application (including the First Biennial Plan and the accompanying testimony and exhibits), DDOT and Pepco respectfully request that the Commission grant the following authorizations and approvals, as contemplated by Section 310(c) of the Undergrounding Act.

A. Section 310(c)(1)

Authorization for Pepco to impose on and collect from its distribution service customers in the District of Columbia the Underground Project Charges in accordance with the distribution service customer class cost allocations approved in Formal Case No. 1103,²⁵ provided that no such charge shall be assessed against customers served under Pepco's RAD program.

B. Section 310(c)(2)

Authorization for Pepco to bill the Underground Project Charges to customers as a volumetric surcharge.

C. Section 310(c)(3)

Approval of the annual revenue requirement, which shall include the rate of return on equity set by the Commission in Formal Case No. 1103.²⁶

D. Section 310(c)(4)

Section 310(c)(4) requires that the Commission provide a description of the frequency of project construction update reports for the DDOT Underground Electric Company Infrastructure Improvements funded by DDOT Charges and the Electric Company Infrastructure Improvements in the First Biennial Plan and approved by the Commission. DDOT and Pepco propose that the

As DDOT and Pepco have indicated, within two weeks of the issuance of the order in Formal Case No. 1139, they will file updated cost allocations based on that order.

As DDOT and Pepco have indicated, within two weeks of the issuance of the order in Formal Case No. 1139, they will file an updated revenue requirement based on that order.

Commission continue the requirement to file annual update reports no later than September 30 of each year in the years in which a biennial plan is not filed. The update report should be made concurrently with the status report required pursuant to Section 307(b) of the Undergrounding Act. In addition, pursuant to the 2014 Stipulation, DDOT and Pepco will continue to hold the semi-annual meetings and will continue to file the thirty-day reports on those meetings.

IX. **Financing Order Application Compliance with the Undergrounding Act**

Section 302 of the Undergrounding Act specifies the contents to be included in the Financing Order Application and the requirements that Pepco must meet in that application. The Financing Order Application, the First Biennial Plan, and the accompanying testimony and exhibits provide the information necessary for the Commission to approve the Financing Order Application, thereby allowing the District to impose the DDOT Charge on Pepco and Pepco to begin collecting based on the Underground Rider. The Commission should find that the Financing Order Application satisfies the applicable requirements of Section 302 of the Undergrounding Act.

A. Section 302(b)(1)

Section 302(b)(1) of the Undergrounding Act requires that Pepco file a Financing Order Application concurrently with each joint application and biennial plan. Pursuant to Section 302(a), Pepco has filed the Financing Order Application as part of the Joint Application and First Biennial Plan. The Financing Order Application is supported in the "Cost Recovery" section of the First Biennial Plan and by the testimonies and exhibits of Company Witnesses McGowan and Janocha and DDOT Witness Williams. The Financing Order Application, the First Biennial

Plan, and the accompanying testimony and exhibits provide the information necessary to satisfy the requirements of Section 302(b)(1).

B. Section 302(b)(2)(A)

Section 302(b)(2)(A) of the Undergrounding Act requires that Pepco include in the Financing Order Application the DDOT Charges for the next two-year period. The DDOT Charges for the next two-year period are found in the testimonies and exhibits of Company Witnesses Janocha and McGowan and DDOT Witness Williams. Appendix L and the "Cost Recovery" section of the First Biennial Plan provide additional support. The Financing Order Application, the First Biennial Plan, and the accompanying testimonies and exhibits provide the information necessary to satisfy the requirements of Section 302(b)(2)(A).

C. Section 302(b)(2)(B)

Section 302(b)(2)(B) of the Undergrounding Act requires that Pepco include in the Financing Order Application a calculation of the Underground Rider by distribution service customer class estimated to be sufficient to generate an amount equal to the DDOT Charges for the next two-year period. Appendix I to the First Biennial Plan contains the revenue requirement for the Underground Rider and Appendix J to the First Biennial Plan contains the rate design of the Underground Rider, as further discussed in the "Cost Recovery" section of the First Biennial Plan and the testimony and exhibits of Company Witness Janocha. Appendix L to the First Triennial Plan contains the Underground Rider, as further discussed in the "Cost Recovery" section of the First Biennial Plan and the testimony and exhibits of Company Witness Janocha. Appendix M to the First Biennial Plan contains the customer bill impact of the Underground Rider. The Financing Order Application, the First Biennial Plan, and the accompanying testimony and exhibits provide the information necessary to satisfy the requirements of Section 302(b)(2)(B).

D. Section 302(b)(2)(C)

Section 302(b)(2)(C) of the Undergrounding Act requires that Pepco include in the Financing Order Application a proposed form of notice of the application suitable for publication by the Commission. Section 302(b)(2)(C) further provides that the notice can be combined with the notice of the Joint Application and First Biennial Plan. The required form of notice is attached to the transmittal letter, satisfying the requirements of Section 302(b)(2)(c).

X. Required Provisions for the Issuance of a Financing Order

The Undergrounding Act requires that the Commission must include certain provisions in any financing order. Section 301 of the Undergrounding Act states that all financing orders, among other provisions, shall:

- 1. Describe the DDOT Underground Electric Infrastructure Improvement Activities to be paid through the DDOT Charge for the next two-year period. The required information can be found in the testimonies of Company Witness Clark and DDOT Witness Williams, the First Biennial Plan and Appendices B, C, G, and H, satisfying the requirements of Section 301(a)(1).
- 2. Assess the DDOT Charge on Pepco for the next two-year period sufficient to fully satisfy the DDOT Underground Electric Company Infrastructure Annual Revenue Requirement to enable the DDOT Underground Electric Company Infrastructure Improvement Activity to be undertaken in the next two-year period plus an amount necessary to recover any DDOT Underground Electric Company Infrastructure Improvement Costs incurred by DDOT but not reimbursed through prior collections of the DDOT Charge; provided, that the DDOT Charges approved by the Commission under the Undergrounding Act cannot exceed \$187.5 million in the aggregate; provided further, that any amounts collected with respect to the DDOT Charge and not expended for DDOT Underground Electric Company Infrastructure Improvement Costs as contemplated Undergrounding Act will be refunded to Pepco and thereafter credited to customers as the Commission may direct. The required information can be found in the testimonies and exhibits of Company Witnesses Janocha and Clark and DDOT Witness Williams, the First Biennial Plan and Appendices C and H, satisfying the requirements of Section 301(a)(2)(A).
- 3. Direct Pepco to remit by the 10th day of each month during the applicable twoyear periods a payment equal to 1/24 of the DDOT Charges approved for the

applicable two-year period pursuant to the financing order to the DDOT Underground Electric Company Infrastructure Improvement Fund established pursuant to Section 303a of the Undergrounding Act. The required information can be found in the testimonies and exhibits of Company Witnesses Janocha and McGowan and DDOT Witness Williams, and the First Biennial Plan, satisfying the requirements of Section 301(a)(2)(B).

- 4. Assess the Underground Rider for the next two-year period among Pepco's distribution service customer classes in accordance with the distribution service customer class cost allocations approved by the Commission for Pepco and in effect pursuant to Pepco's most recently decided base rate case (*i.e.*, Formal Case No. 1103)²⁷ in an amount sufficient for Pepco to recover the DDOT Charge; provided, that no such charges shall be assessed against Pepco's RAD customers or any succeeding customer class approved by the Commission for the purpose of providing economic relief to a specified low-income customer class; provided further, that the Underground Rider shall be billed by Pepco on a volumetric basis. The required information can be found in the testimonies and exhibits of Company Witnesses Janocha and McGowan, the First Biennial Plan and Appendices I, J and L, satisfying the requirements of Section 301(a)(3).
- 5. Describe the true-up mechanism to reconcile actual collections of the Underground Rider with the forecasted collection on at least an annual basis, as provided in Section 314 of the Undergrounding Act, to ensure that the collections of the Underground Rider are adequate for Pepco to recover an amount equal to the aggregate amount of the DDOT Charges. The required information can be found in the testimonies and exhibits of Company Witnesses Janocha and McGowan and the First Biennial Plan, satisfying the requirements of Section 301(a)(4).
- 6. Prescribe the filing of billing and collection reports relating to the DDOT Charges and the Underground Rider. Section 301(a)(5).
- 7. Consistent with the Undergrounding Act, the financing order contains such other findings, determinations, and authorizations as the Commission considers necessary or appropriate. Section 301(a)(6).
- 8. All financing orders shall be operative and in full force and effect from the time fixed for them to become effective by the Commission. Section 301(b).
- 9. Provide that except to implement any true-up mechanism as provided by Section 314,²⁸ the Commission may not reduce, impair, postpone, terminate, or otherwise adjust the Underground Rider approved in the financing order unless it has similarly adjusted the DDOT Charges by an equal amount. Section 301(c).

As DDOT and Pepco have indicated, within two weeks of the issuance of the order in Formal Case No. 1139, Pepco's most recent base rate case, they will file updated cost allocations based on that order.

While Section 301(c) cites to Section 312 of the Undergrounding Act, the true-up provision exists in Section 314.

XI. Requested Findings for the Issuance of a Financing Order

The Commission should find that the Financing Order Application satisfies the applicable requirements of Section 302 of the Undergrounding Act. In addition, the Commission should find the following, in accordance with Section 303(c) of the Undergrounding Act:

- 1. The projected DDOT Underground Electric Company Infrastructure Improvement Costs to be funded by the DDOT Charges are prudent; and
- 2. The \$60 million DDOT Charge for the First Biennial Plan is reasonable, and the Underground Rider reasonably can be expected to generate sufficient revenues to permit Pepco to recover the DDOT Charges.

The information required for finding (1) above can be found in the testimonies of Company Witnesses Clark and DDOT Witness Williams, the First Biennial Plan and Appendix H. The information required for finding (2) above can be found in the testimony of Company Witness Janocha and DDOT Witness Williams, the First Biennial Plan and Appendices I, J and L. Together this information satisfies the requirements of Section 303(c).

XII. Conclusion

WHEREFORE, DDOT and Pepco respectfully request that the Commission: 1) approve the Joint Application and First Biennial Plan; 2) issue the Financing Order; 3) permit Pepco and DDOT to commence the Electric Company Infrastructure Improvements and DDOT Underground Electric Company Infrastructure Improvements necessary to complete the underground placement of the feeders identified in the First Biennial Plan; 4) authorize the Underground Project Charge and Underground Rider; and 5) make the findings and grant the authorizations and approvals requested in the Joint Application and the Financing Order Application.

Respectfully submitted,

POTOMAC ELECTRIC POWER COMPANY	DISTRICT DEPARTMENT OF		
	TRANSPORTATION		
and :			
By: Vetu E. Illu	By: Karl A. Racine		
Peter E. Meier	Attorney General for the District of Columbia		
Vice President, Legal Services			
	/s/		
Wendy E. Stark, D.C. Bar No. 1011577			
Peter E. Meier, D.C. Bar No. 419075	Robyn Bender, D.C. Bar No. 465117		
Kim F. Hassan, D.C. Bar No. 489367	Deputy Attorney General		
Andrea H. Harper, D.C. Bar No. 483246	Public Advocacy Division		
Dennis P. Jamouneau, D.C. Bar No. 983375			
701 Ninth Street, N.W.	/s/		
10th Floor			
Washington, D.C. 20068	Brian Caldwell, D.C. Bar No. 979680		
	Assistant Attorney General		
Counsel For Potomac Electric Power			
Company	/s/		
	Cheri Hance Staples, D.C. Bar No. 1044838		
	Assistant General Counsel		
	Office of the General Counsel		
	District Department of Transportation		
	55 M Street, S.E. Suite 700		
	Washington, D.C. 20003		
	(202) 671-3237 (office)		
	(202) 497-7173 (cell)		
	Cheri.Staples@dc.gov		
	Attorneys for the District Department of		
Washington D.C.	Transportation		

Washington, D.C. July 3, 2017

First Biennial Underground Infrastructure Improvement Projects Plan

Pursuant to the Undergrounding Act

District of Columbia Department of Transportation

And

Potomac Electric Power Company

July 3, 2017

TABLE OF CONTENTS

INTRODUCTION	1
Background	1
Purpose	3
FEEDER SELECTION	4
Feeder Ranking	5
Feeder Prioritization	6
Feeder 308	13
Feeder Descriptions	14
REMAINING OVERHEAD POWERLINES AND ASSOCIATED EQUIPMINTERTIES, FUTURE LOAD AND FEEDER CONVERSIONSINCORPORATION OF INNOVATIVE METHODS AND ADVITECHNOLOGY	16 VANCED
PROJECT COST	22
OBSTACLES TO TIMELY COMPLETION	
ALTERNATIVE FUNDING SOURCES PROJECT COST ESTIMATES CALCULATIONS	
UTILITY COORDINATION	
COST RECOVERY	28
Underground Project Charge	28
Accounting Treatment	29
O&M expenses included in the Underground Project Charge	29
Methodology for the development of the Underground Project Charge	30
Specific development of the initial Underground Project Charge	32
Annual update of the Underground Project Charge	33
Updated Tariff sheets to reflect the Underground Project Charge	34
DDOT Charge and Underground Rider	34
Bill comparisons showing the impact of the UPC and the Underground Rider	38
DC PLUG EDUCATION PLAN	38
FOCUS ON DISTRICT OF COLUMBIA BUSINESSES AND RESIDENTS	S 39
Capability and Capacity Building Program	42

INTRODUCTION

Background

On August 16, 2012, Mayor Vincent Gray established the Mayor's Power Line Undergrounding Task Force ("Task Force"). The purpose of the Task Force was to pool the collective resources available in the District of Columbia to analyze the technical feasibility, infrastructure options and reliability implications of placing new or existing overhead electric distribution facilities underground in the District of Columbia. These resources included a legislative body, regulators, utility personnel, community representatives, experts and other parties who could contribute in a meaningful way to the Task Force. The Task Force also analyzed the financing, legislative and regulatory actions associated with placing power lines underground. The Task Force published its Findings and Recommendations Final Report ("Final Report") in October 2013. The Final Report found that significant improvements to the District of Columbia's aging electric transmission system to reduce extended power outages caused primarily by storms would require significant new investment.

On March 7, 2014, the Council of the District of Columbia ("DC Council") passed the Electric Company Infrastructure Improvement Financing Act of 2014 (the

Executive Order No. 2012-130, D.C. Register Vol. 59 - No. 33 (August 27, 2012).

Government of the District of Columbia, Executive Office of the Mayor. Mayor's Power Line Undergrounding Task Force Findings and Recommendations: Final Report, at 6 (Oct. 2013) ("Final Report").

Final Report at 8.

Final Report at 8.

Final Report at 1.

⁶ Final Report at 73.

"Original Act"),⁷ which became effective on May 3, 2014. The Original Act required the District Department of Transportation ("DDOT") and the Potomac Electric Power Company ("Pepco") to jointly file with the Public Service Commission of the District of Columbia ("Commission") and concurrently serve upon the Office of the People's Council for the District of Columbia ("OPC") an application for approval of their First Triennial Underground Infrastructure Improvement Projects Plan ("First Triennial Plan").⁸

Through a collaborative effort and in response to the requirements established in the Original Act, DDOT and Pepco jointly submitted the First Triennial Plan to the Commission on June 17, 2014. On November 12, 2014, the Commission, pursuant to the Original Act, approved the First Triennial Plan in Order No. 17697, as clarified in Order No. 17770. Pepco also filed with the Commission, pursuant to the Original Act, an application for issuance of a financing order on August 1, 2014, which the Commission approved on November 24, 2014 ("Financing Order"). As a result of several legal challenges to the First Triennial Plan as well as the structure of the Original Act, the DC PLUG initiative was delayed.

On May 17, 2017, Mayor Muriel Bowser signed (and thereby made effective) the Electric Company Infrastructure Improvement Financing Emergency Amendment

Flectric Company Infrastructure Improvement Act of 2014 (May 3, 2014).

⁸ Original Act, § 308(a).

Amended Act,⁹ which amends the Original Act (as amended, the "Undergrounding Act"). The Undergrounding Act directs DDOT and Pepco to bury certain overhead power lines in order to improve the resilience of the electric distribution system in the District of Columbia. Section 307(a) of the Undergrounding Act requires DDOT and Pepco to file a joint application for approval by the Commission of the first biennial Underground Infrastructure Improvements Projects Plan ("First Biennial Plan") within 45 days of the effective date of the Undergrounding Act. Section 302(b)(1) of the Undergrounding Act requires Pepco to file an application for a financing order ("First Financing Order Application") concurrently with the First Biennial Plan. Section 302(a) of the Undergrounding Act provides that the First Biennial Plan and the First Financing Order Application may be filed in a single application. Pursuant to Section 302(a) of the Undergrounding Act, DDOT and Pepco are filing the joint application for the approval of the First Biennial Plan and the First Financing Order Application together.

Purpose

The First Biennial Plan identifies the DDOT Underground Electric Company Infrastructure Improvement Activity¹⁰ and the Electric Company Infrastructure Improvement Activity¹¹ to be undertaken in the years following its approval and to

On May 19, 2017, the Mayor signed the permanent legislation which will become effective after a 30-day Congressional-review period.

Id.

¹¹ Id.

describe the collection and rate impacts of the Underground Project Charge. The elements of the First Financing Order Application describe the structure of the DDOT Underground Electric Company Infrastructure Improvement Charge ("DDOT Charge") and the recovery under and rate impacts of the Underground Rider.

FEEDER SELECTION

The method by which DDOT and Pepco selected feeders to be placed underground generally reflects the same methodology the was used to select feeders in the First Triennial Plan, which the Commission found complied with the Original Act, in Order No. 17697 (as clarified in Order No. 17770) in Formal Case No. 1116. The criteria to select feeders include, but are not limited to, reliability performance indices such as the System Average Interruption Frequency Index (SAIFI), System Average Interruption Duration Index (SAIDI), and Customer Minutes of Interruption per dollar cost to place feeders underground (CMI/\$). The difference between the feeder selection methodology described in the First Biennial Plan and the one used to select the First Triennial Plan feeders is that, pursuant to Section 308(a)(2) of the Undergrounding Act, the selection in the First Biennial Plan relied on seven years of data (2010-2016) rather than three years of data (2010-2012).

In selecting the feeders, DDOT and Pepco followed a five-step process:

Undergrounding Act, Section 308(a)(2).

- Rank power lines (feeders) by historical reliability and customer minutes of interruptions reduced per dollar spent (SAIFI, SAIDI, CMI/\$);
- Identify the highest-ranked feeders in each of the five Wards (Wards 3, 4, 5, 7 and
 of the District of Columbia characterized by a large concentration of overhead power lines and susceptibility to overhead outages;
- 3. Analyze ongoing reliability work as well as current and planned system work;
- 4. Identify opportunities to take advantage of existing or planned DDOT roadway reconstruction projects; and
- 5. Finalize the feeder selection for inclusion in the First Biennial Plan.

Feeder Ranking

The Primary Selection Criteria for selecting the feeders in the First Biennial Plan include three metrics for each feeder—SAIDI, SAIFI and CMI/\$. These Primary Selection Criteria facilitate the selection of feeders that result in the greatest reduction in duration and frequency of outages once the feeders are placed underground as well as the greatest reduction in the minutes of interruption for every dollar spent to place those feeders underground.¹³

DDOT and Pepco began the feeder selection process by ranking each of Pepco's overhead (and combined overhead/underground) feeders according to SAIFI, SAIDI and CMI/\$. The feeder ranking presented in Appendix A is based on reliability performance

Final Report at 61.

data from January 1, 2010 through December 31, 2016, pursuant to Section 308(a)(2) of the Undergrounding Act, and includes Major Service Outages ("MSOs"). The inclusion of MSOs in the outage data upon which the feeder ranking model is based ensures that the resulting feeder ranking accurately reflects the impact of severe weather on the electric distribution system in the District of Columbia and allows DDOT and Pepco to identify the most appropriate feeders to place underground to fulfill the purpose of the DC PLUG initiative—to make the electric distribution system more resilient during severe weather events. Severe weather events that heavily impacted the District of Columbia between 2010 and 2016 include the February 2010 winter storm, the June 2012 Derecho, and the January 2016 blizzard.

Feeder Prioritization

DDOT and Pepco also used Secondary Evaluation Criteria to further optimize the selection, prioritization and sequence of feeders to be placed underground. The Secondary Evaluation Criteria include value of service, coordination with other District projects, community impact and customer impact. Each of the Secondary Evaluation Criterion allows the most reliability benefits to be gained from placing the selected feeders underground. First, value of service represents the economic benefits of reduced outages to customers. DDOT and Pepco will consider value of service as they sequence the feeders for construction and will be reflected in the 90-day supplemental filing, as

¹⁵ D.C.M.R. § 3699.1.

directed by Section 308(b) of the Undergrounding Act. Second, coordination with other District projects (e.g., major road reconstruction work) allows Pepco to reduce paving costs and achieve efficiencies of scale. Third, the community impact of this magnitude of construction work can be significant. By limiting the number of concurrent projects in a Ward at any one time, DDOT and Pepco can minimize that impact. Finally, the evaluation of customers supplied by each feeder allows DDOT and Pepco to consider special needs of customers as they schedule feeders to be placed underground.

In addition to the Primary Selection Criteria and Secondary Evaluation Criteria described above, DDOT and Pepco included other considerations in the selection process. As with the First Triennial Plan approved in Formal Case No. 1116, those additional considerations include the consideration of reliability enhancement programs already being performed, coordination with future economic and infrastructure developments in the feeder area, coordination with other utilities and local governments infrastructure projects, the number of customers served by each feeder, and the overall schedule.

The following steps describe the process by which DDOT and Pepco selected the feeders to be placed underground in the First Biennial Plan.

Step 1: To begin the feeder selection process, DDOT and Pepco ranked each overhead and combined overhead/underground feeder in the District of Columbia using its Feeder Ranking Model. The reliability performance data used in the Feeder

For an example of Pepco's consideration of reliability projects already in-progress, see the "Interties, Future Load and Feeder Conversions" section of the First Biennial Plan.

Ranking Model covered the seven-year period from January 1, 2010 through December 31, 2016, in accordance with the Undergrounding Act. No outage data were excluded from the data set. The result of the Feeder Ranking Model run is a ranking of 187 feeders where the least resilient or least reliable feeder (according to the criteria) is ranked first. That ranking is included as Appendix A to the First Biennial Plan.

- Step 2: DDOT and Pepco then identified the most equitable distribution of DC PLUG initiative improvements across the District of Columbia by selecting the highest-ranked (*i.e.*, least resilient) feeder in each Ward to be placed underground. Wards 3, 4, 5, 7 and 8 represent the Wards where the impact of severe weather on the overhead portion of the electric distribution system is felt most commonly. By dispersing construction work over five Wards, DDOT and Pepco will minimize disruptions to communities around the work sites. Additionally, by spreading out work among five Wards, DDOT and Pepco maximize the number of customers in each Ward who will realize the benefits associated with the First Biennial Plan of the DC PLUG initiative.
- Step 3: DDOT and Pepco analyzed ongoing reliability work as well as current and planned system work on the most highly-ranked feeders in each Ward. As a result, in some Wards, the feeder selected to be placed underground may not have ranked as the highest-ranked feeder in that Ward. Below, for each Ward, is a description of the process by which DDOT and Pepco identified the feeder in

each Ward that was be selected for placement underground in the First Biennial Plan.

Ward 3 - Feeder 308

Rank	Ward	Feeder	VoS	Customers	CMI/\$
3	3	308	\$146,032	595	0.065
6	3	14767	\$373,601	1,044	0.024
13	3	75	\$59,552	364	0.044
17	3	14766	\$365,172	731	0.026
20	3	394	\$28,431	297	0.021

Feeder 308 ranks as the least resilient feeder in Ward 3, as evidenced by the table above. Additionally, Feeder 308 was selected to be placed underground as part of the First Triennial Plan. As a result, DDOT and Pepco have completed final civil and electrical engineering designs for this feeder, expediting its construction upon approval of the First Biennial Plan.

Ward 4 – Feeder 15009

Rank	Ward	Feeder	VoS	Customers	CMI/\$
1	4	14890	\$180,478	1,755	0.298
9	4	15009	\$498,619	1,406	0.027
10	4	467	\$70,538	431	0.063
15	4	15001	\$705,424	1,341	0.026
16	4	14900	\$115,073	1,371	0.021

Feeder 14890 ranks as the least resilient feeder in Ward 4. However, the majority of the customers normally served by Feeder 14890 are currently being served by Feeder 15944 due to the ongoing work at Harrison Substation.

Customers normally served by Feeder 14890 (but currently served by 15944) are planned to be moved back to Feeder 14890 in 2019. For these reasons, DDOT and Pepco intend to take a closer look at Feeder 14890 as they consider candidate feeders for the Second Biennial Plan. At that point, Pepco expects Feeder 14890 will be returned to its "normal" configuration. Should Feeder 14890 be recommended for placement underground as part of the Second Biennial Plan, DDOT and Pepco would recommend that it be placed underground in its "normal" configuration, rather than its current temporary configuration. As a result, DDOT and Pepco selected that the next highest ranked feeder in Ward 4—Feeder 15009—for placement underground in the First Biennial Plan.

Ward 5 – Feeder 14007

Rank	Ward	Feeder	VoS	Customers	CMI/\$
8	5	14007	\$350,141	1,624	0.037
11	5	14014	\$333,784	2,055	0.025
14	5	14093	\$431,033	1,346	0.027
23	5	14008	\$616,600	1,055	0.022
26	5	14200	\$272,997	2,669	0.052

Feeder 14007 ranks as the least resilient feeder in Ward 5. Therefore, DDOT and Pepco selected Feeder 14007 for placement underground in the First Biennial Plan.

Ward 7 – Feeder 368

Rank	Ward	Feeder	VoS	Customers	CMI/\$
2	7	15707	\$1,262,968	3,101	0.082
5	7	15705	\$336,583	2,151	0.032
12	7	14702	\$598,726	1,096	0.022
18	7	368	\$168,293	697	0.026
31	7	14717	\$158,735	4,335	0.024

Feeders 15707 and 15705 rank as the two least resilient feeders in Ward 7. However, Feeders 15707 and 15705 are currently part of the ongoing Benning Area Reliability Plan (ARP) project. As a result, these two feeders will undergo significant changes over the next two years aimed at improving reliability. These two feeders are also part of an existing distribution automation (DA) scheme that will see further configuration changes over the next two years. Thus, Feeders 15707 and 15705 would be better suited for consideration to be placed underground only after an observation period following the completion of the Benning ARP project.

The next highest ranked feeder in Ward 7 is Feeder 14702. However, Feeder 14702's load is planned to be transferred to Feeder 15179 in 2017. Pepco is proactively undertaking this conversion as part of its effort to gradually replace its 4kV distribution system with a 13kV distribution system in response to increasing local load and increased maintenance requirements. Once the conversion to 13 kV is complete, Feeder 14702 will be capable of supplying a greater density of load and is expected to generally produce less electrical loss. Pepco expects the reliability performance of Feeder 14702 to be improved in the near future compared to the seven-year period observed by the Feeder Ranking

Model. Therefore, it is not appropriate to consider that feeder for placement underground as part of the First Biennial Plan. As a result, DDOT and Pepco selected the next highest ranked feeder in Ward 7—Feeder 368—for placement underground in the First Biennial Plan.

Ward 8 – Feeder 14758

Rank	Ward	Feeder	VoS	Customers	CMI/\$
4	8	14758	\$311,981	2,165	0.042
7	8	15166	\$935,812	2,277	0.040
40	8	15172	\$112,759	1,529	0.020
42	8	15171	\$164,114	1,711	0.035
46	8	177	\$67,090	348	0.026

Feeder 14758 ranks as the least resilient feeder in Ward 5. Therefore, DDOT and Pepco selected Feeder 14758 for placement underground in the First Biennial Plan.

Act's directive to minimize total costs and maximize the opportunity for collaboration, DDOT and Pepco have identified Feeder 14900 as an opportunity to collaborate to place the civil infrastructure underground during an existing DDOT project—the Oregon Avenue reconstruction project. This will allow the DC PLUG initiative to take advantage of the minimized cost of placing a large amount of the civil infrastructure underground through DDOT's existing project along Oregon Ave.

Rank	Ward	Feeder	VoS	Customers	CMI/\$
16	4	14900	\$115,073	1,371	0.021

Step 5: Finalize feeder selection for the First Biennial Plan. The above methodology yields the following list of 6 feeders selected for placement underground as part of the First Biennial Plan.

Rank	Ward	Feeder	VoS	Customers	CMI/\$
3	3	308	\$146,032	595	0.065
4	8	14758	\$311,981	2,165	0.042
8	5	14007	\$350,141	1,624	0.037
9	4	15009	\$498,619	1,406	0.027
16	4	14900	\$115,073	1,371	0.021
18	7	368	\$168,293	697	0.026

The Feeder Prioritization for the First Biennial Plan is presented in Appendix B (Feeder Prioritization) of the First Biennial Plan.

Feeder 308

As discussed above, final civil engineering designs for Feeder 308 were completed as part of the First Triennial Plan. ¹⁶ Feeder 308 is also selected to be placed underground as part of the First Biennial Plan. As such, DDOT and Pepco are prepared to begin the procurement process for civil construction services for Feeder 308 shortly after Commission approval of the First Biennial Plan.

Pepco provided to the Commission the final civil engineering designs for Feeder 308 on March 23, 2015 in Formal Case No. 1116.

Feeder Descriptions

The Undergrounding Act requires DDOT and Pepco to present, among other things, a description of each feeder recommended to be placed underground. Appendix C provides two-page summary sheets for each feeder selected to be placed underground during the First Biennial Plan of the DC PLUG initiative. The summary sheets in Appendix C provide a description of the feeder, including feeder number, location (Ward and neighborhood), the proposed scope of work for that feeder that will be funded by the DDOT Charges and the Underground Project Charge ("UPC") as well as other pertinent information. The Undergrounding Act also requires DDOT and Pepco to present:

- A description of the feeder, including feeder number and location (street address, Ward and neighborhood).
 - Please see Appendices C (Feeder Description Summary Sheets) and D (Feeder Locations and One-Line Drawings).
- 2. The overhead electrical cables, fuses, switches, transformers and ancillary equipment, including poles, to be relocated underground or removed.
 - <u>Please see Appendices E (Existing Overhead Electrical Schematics) and F (Preliminary Electrical Schematics).</u>
- The overhead primary and lateral feeders that are currently located parallel to the selected primary and lateral feeders that Pepco recommends to be placed underground.

Please see Appendices D (Feeder Locations and One-Line Drawings) and F (Preliminary Electrical Schematics).

 The proposed Pepco and DDOT infrastructure improvements funded by DDOT Charges and the UPC.

Please see Appendices C (Feeder Description Summary Sheets), F (Preliminary Electrical Schematics) and G (Preliminary Civil Schematics).

5. The interties that will enable the feeder to receive power from multiple directions or sources.

Please see Appendices B (Feeder Prioritization) and F (Preliminary Electrical Schematics). Please also see the "Interties, Future Load and Feeder Conversions" section below.

6. A description of the 10-year load projections.

Please see Appendix C (Feeder Description Summary Sheets). Please also see the "Interties, Future Load and Feeder Conversions" section below.

Remaining Overhead Power Lines and Associated Equipment

After DDOT and Pepco place a selected feeder underground, the overhead secondary lines and associated ancillary equipment and poles will remain overhead. Generally, all overhead equipment associated with the primary lines, such as overhead

fuses, switches, transformers and other associated ancillary equipment associated with the primary lines, will be removed and placed underground.

From the time that DDOT and Pepco file the First Biennial Plan to the time that civil and electrical engineering designs are finalized, DDOT and Pepco will look for opportunities to allow certain limited portions of DC PLUG initiative feeders to remain overhead without impacting the anticipated reliability and resilience gains associated with placing the feeder underground. For instance, if DDOT and Pepco identify a section of a selected feeder's primary lateral line that has neither experienced nor is susceptible to overhead outages, the final engineering designs may call for that section of the feeder to remain overhead. This will allow DDOT and Pepco to apply the cost associated with placing that section of the feeder underground to a future DC PLUG initiative feeder.

In most cases, the poles will remain in place. DDOT and Pepco will remove poles if those poles have only primary feeder cable on them. If poles support other lines, such as telecommunications lines or existing overhead secondary cables, DDOT and Pepco will leave them in place.

Interties, Future Load and Feeder Conversions

Pepco prepared the Preliminary Electrical Schematics in Appendix F according to its standard methodology for designing the 4kV and 13kV electric distribution system. This methodology provides capacity for future load increases as well as limited additional conduit space for replacement of failed cables and additional feeder expansion. Pepco also has created its feeder designs to ensure that loops within the feeder are established and ties to other feeders are maintained so customer disruptions are minimized during

planned and unplanned outages. These loops on the laterals of the feeders represent a significant improvement in resiliency compared to existing overhead laterals, where very limited looped or transfer capability exists.

As part of its commitment to enhance reliability, Pepco continues to convert its 4kV primary feeders to 13kV primary feeders. Pepco's 4kV to 13kV conversion program is intended to address increasing load demands, maintain reliability, replace aging equipment and infrastructure and provide for future demands so that they can be met under adverse conditions. As Pepco prioritized the feeders to be placed underground as part of the DC PLUG initiative, it considered other reliability enhancement programs already being performed in the District of Columbia. As a result, 4kV to 13kV conversion projects and projects that involve placing those same (or associated) feeders underground may impact the selection of feeders to be placed underground as part of the DC PLUG initiative.

As part of future biennial plans, DDOT and Pepco may select 4kV radial feeders for placement underground that will be converted to 13kV as part of the DC PLUG initiative. As part of the conversion process, Pepco will transfer some or all of the load on those 4kV feeders to the 13kV feeder that will be placed underground. DDOT and Pepco will further describe the process in future biennial plans, in which such conversion will occur. Feeders 308 and 368 are the only 4kV networked feeders selected for placement underground in the First Biennial Plan. When these feeders are placed

For additional information on Pepco's conversion projects, please see the 2014 Consolidated Report, pages 179-190.

underground, DDOT and Pepco intend to use cable and associated equipment that is rated for 13kV, but the feeders will continue to operate at 4kV to allow them to remain part of their associated 4kV network once placed underground. By constructing these feeders to 13kV standards, Pepco will be able to convert them to 13kV in the future. The remainder of the feeders selected for placement underground as part of the First Biennial Plan are existing 13kV feeders.

Incorporation of Innovative Methods and Advanced Technology

The Undergrounding Act requires Pepco to report on new DA devices and segmentation capability to be obtained by placing the selected feeders and advanced technology underground to minimize cost.

In September 2014, Pepco initiated its Underground Technology Enhancement Program ("UTEP") by releasing a request for proposals ("RFP") for DA devices as well as configurations that comply with Pepco's standards to be deployed on its 13kV underground distribution system. Pepco considered four responses to its RFP, which included proposals for DA equipment, including switches and interrupters at various stages of development and recommendations for communications protocols. Pepco then met with vendors to discuss their proposed devices and strategies for deploying DA on the underground distribution system and, in some cases, observed the operation of those devices in a test environment. After studying vendors' RFP responses, meeting with vendors, observing tests and researching other companies' practices, Pepco has identified a configuration of DA devices for use on its underground system (including future DC

PLUG feeders) and moved forward with the installation of DA devices on existing underground feeders.

Pepco's underground DA design includes installing one mid-line interrupter and one automated feeder tie switch to adjacent feeders on the main trunk of each feeder chosen for DA installation. The mid-line interrupter allows for automatic isolation of customers in the event of a fault past the location of the interrupter so that customers located between the substation and the interrupter will not experience an outage. In the event a fault occurs between the substation circuit breaker and the mid-line interrupter, the automated tie switch allows restoration of service to customers between the interrupter and the end of the circuit. In this case, the customers between the interrupter and the end of the circuit will only experience a momentary interruption while the switching operation is performed remotely.

Many of Pepco's distribution substations have available fault currents that require devices rated for 40kA. The widely-used interrupting devices are typically rated at 25kA. As a result, many of the responses to Pepco's UTEP RFP included devices that were either not rated for a 40kA fault current or were still under development. To address this issue, Pepco has used fault current analysis to identify the existing underground feeders (and locations thereon) on which it is safe to install interrupting devices that are rated at 25kA. In addition, Pepco continues to work with vendors to develop acceptable non-oil 40kA automated switches for tie points. Thus, under Pepco's underground DA design, switches will be installed in locations on existing underground feeders that are sufficiently far away from the substation to allow Pepco to use a 25kA-rated device. This

serves to further control cost and allow Pepco to use products that are more readily available in the marketplace.

In late 2015, Pepco began the process of procuring interrupting devices from two of the vendors who responded to the UTEP RFP. Pepco received two interrupters in November 2015 and two additional interrupters in January 2016. Pepco has begun the process of installing those devices on three existing 13kV underground feeders—Feeders 14722, 14786 and 15703. Installation of these devices required modifications to the manholes that will house them, including enlarging the size of the manholes. As of this First Biennial Plan, manhole construction and modification is complete.

On December 8, 2015, Pepco successfully placed one of the interrupters in a manhole along Feeder 14722. Thereafter, Pepco programmed the device, completed the required telecommunications connections and performed testing and placed the equipment in service.

Pepco plans to complete the required relay programming and coordination with its control center in preparation for the devices to be deployed. Once complete, Pepco will monitor and evaluate the performance of those devices on its system and further refine its procedures for the safe operation of underground DA devices.

DDOT and Pepco plan to include accommodations for DA in the final civil and electrical engineering designs for three of the feeders selected for placement underground in the First Biennial Plan of the DC PLUG initiative. The three feeders whose final civil and electrical engineering designs will include DA devices are Feeders 14007, 15009 and 14900. All three of these feeders are part of a currently active Automated Sectionalization and Restoration ("ASR") scheme and will continue to operate as a part

of an ASR scheme once placed underground. This configuration will enhance resiliency and reliability as well as improve Pepco's ability to restore power during outages.

Pepco's final civil engineering designs for the construction of Feeder 308 have been revised to allow Pepco to retrofit DA devices on it after the feeder is placed underground. Additionally, for the remaining feeders selected to be placed underground as part of the First Biennial Plan, DDOT and Pepco intend to create final civil engineering designs that will allow Pepco to install DA devices in the future.

DDOT continues to examine the feasibility of using mobile lidar to create the required Computer-Automated Design ("CAD") drawings of the streets and areas around the feeders that will be placed underground. Mobile lidar uses laser scanning equipment mounted on vehicles in combination with GPS and inertial measurement units to rapidly and safely capture large datasets necessary to create accurate digital representations of roadways and their surroundings. These virtual survey datasets can then be used in the planning, design, construction and maintenance of highways and other structures. DDOT is also looking into using Business Information Modeling, which is an intelligent 3-D model-based process for planning, design, construction and management of inventory. These new technologies and processes may potentially expedite and enhance accuracy and reduce costs associated with the field survey activities that are a fundamental part of each project in the DC PLUG initiative.

[&]quot;Guidelines for the Use of Mobile LIDAR in Transportation Applications," Foreward, Transportation Research Board of the National Academies (2013).

Project Cost

The Undergrounding Act outlines the general cost-sharing arrangement between DDOT and Pepco. DDOT/District and Pepco will each cover approximately 50% of the cost to place the overhead feeders underground as set forth in the First Biennial Plan. DDOT primarily will perform the required civil engineering, design and construction work, while Pepco primarily will perform the electrical engineering, design and construction work. However, because of the nature of the work involved, the cost associated with the civil portion of the First Biennial Plan will outweigh the cost associated with the electrical portion of the First Biennial Plan. To achieve the 50/50 cost-sharing arrangement between DDOT and Pepco, Pepco will reimburse DDOT for the Civil Engineering/Program Management Services and other fees DDOT pays to their contractors. Additionally, Pepco will furnish the manhole and conduit material for each DC PLUG initiative project. DDOT and Pepco expect, based on their analysis of the estimated costs of the First Biennial Plan, that when these civil costs are allocated to Pepco, the cost sharing becomes more balanced. The confidential version of Appendix H provides itemized feeder cost estimates in the First Biennial Plan that reflect this reallocation of costs between DDOT and Pepco.

The Undergrounding Act describes the Commission's ability to authorize Pepco to recover underground project costs up to \$250 million, which will be recovered from customers under the UPC through a surcharge on their bills. Additionally, the Undergrounding Act provides for DDOT Charges in the amount of \$187.5 million to finance construction of underground facilities by DDOT. The \$187.5 million will also be recovered from customers through the Underground Rider, which will appear as a

separate surcharge on customers' bills. To supplement the \$187.5 million DDOT, as part of DDOT Capital Improvement funding, can provide up to \$62.5 million.¹⁹ The up to \$62.5 million will not be recovered on Pepco customer bills.

DDOT is currently analyzing its planned resurfacing and reconstruction projects in the District of Columbia in an effort to identify opportunities for coordination with the DC PLUG initiative and potential cost savings. DDOT reconstruction work includes projects that are in DDOT's current Six Year Transportation Improvement Program. The scope of work on these projects typically includes full reconstruction of the road including, but not limited to, new sidewalks, curbs, gutters, full-depth roadway, inlets, landscape, utilities, street lights and traffic signals. DDOT resurfacing work includes projects that are in DDOT's Annual Paving Plans. The scope of this work typically includes milling and paving of the roadway surface only, with some minor roadway repair work. Any opportunity projects DDOT identifies will contribute to the up to \$62.5 million contribution from the DDOT Capital Improvement funding.

DDOT is looking closely at the areas of the District of Columbia that are served by one or more of the top-ranked 20-30 feeders (according to Appendix A) to identify planned resurfacing or reconstruction projects that may coincide with projects to place those feeders underground. Appendix B describes the six feeders selected to be placed underground in the First Biennial Plan. In addition to these selected feeders, Pepco and DDOT may prioritize entire or portions of other feeders to take advantage of these

Final Report at 10.

opportunities, where it is appropriate and cost-effective to do so. If so, DDOT and Pepco will include that information in future biennial plans as they are filed with the Commission as well as at the established semi-annual meetings and in annual reports on the First Biennial Plan.

Feeder 14900, selected to be placed underground in the First Biennial Plan, represents an opportunity for coordination with existing DDOT roadway reconstruction. A section of the primary mainline of Feeder 14900 runs along the same corridor as DDOT's Oregon Avenue reconstruction project (from Military Road to Western Avenue, NW). The scope of this 1.7-mile reconstruction project includes a new roadway, curbs and gutters, sidewalk, Low-Impact Development treatments, storm drain, utility work, etc. The design work for this project started in June 2014. Construction is expected to begin by the second quarter of 2018. DDOT and Pepco will provide a report on the progress of Feeder 14900 in annual reports as well as semi-annual meetings on the First Biennial Plan.

Obstacles to Timely Completion

DDOT and Pepco have not encountered any specific obstacles to the design and construction of the feeders selected for placement underground in the First Biennial Plan. Throughout the DC PLUG initiative, DDOT and Pepco will continue to identify potential risk factors and mitigation techniques. At this stage, DDOT and Pepco recognize that risks commonly associated with this program are the same as the obstacles and risks associated with any large capital project DDOT and/or Pepco may undertake. Common sources of risk include adverse weather, availability of skilled contractor resources and

the availability of materials. DDOT and Pepco intend to take all proper precautions to minimize risk and maintain safety. To the greatest extent possible, DDOT and Pepco will also address the concern of traffic disruptions by prioritizing and scheduling feeders to be placed underground in such a way that the work is spread out among the five Wards.

Although not an obstacle, a feature of the funding structure of the District's portion of the DC PLUG initiative is that the funding will be available to DDOT over time rather than all at once, as would have occurred using securitized bonds. This is a new feature of the Undergrounding Act. DDOT and Pepco do not anticipate this new feature will affect adversely the timing of construction of feeders selected for placement underground in the First Biennial Plan or any subsequent biennial plan.

Alternate Funding Sources

DDOT and Pepco are not aware of available alternate funding sources for the relocation of the overhead equipment and ancillary facilities at this time. Thus, there are no alternate funding sources described in the First Biennial Plan.

Project Cost Estimates Calculation

Cost estimates to place each feeder underground use the following subcategories:

- Cost Estimate for the proposed underground civil infrastructure (Estimated by DDOT)
- Cost Estimate for the proposed underground electrical infrastructure (Estimated by PEPCO)

3. Cost Estimate for the removal of existing overhead infrastructure (Estimated by PEPCO)

DDOT developed the civil cost estimates included in the First Biennial Plan in a manner consistent with standard DDOT practices for estimating the civil cost of a DDOT project in the development phase. Accordingly, DDOT used historical bid-based and cost-based methodologies as well as its engineering judgment and experience to develop the cost estimates. DDOT's cost estimates assume that the stage of design is at approximately 10-25%.

DDOT employed the historical bid-based methodology because it allowed DDOT to leverage its experience bidding the types of pay items and quantities that will be included in the DC PLUG initiative projects to calculate an accurate estimated cost. DDOT maintains a database of contractor's bid prices in its project cost estimating database called AASHTOWare. DDOT analyzed historical bid prices from the previous three years to calculate its cost estimates.

DDOT used the cost-based estimating methodology for specific items that can be calculated using RSMeans Heavy Construction Cost Data ("RSMeans"), which is also used by DDOT contractors. RSMeans uses the cost of materials and the cost of labor to determine total cost. RSMeans also calculates how many crews will be required to perform the work, based on their estimated daily output. DDOT also used the cost-based estimating methodology to verify the accuracy of the civil cost estimates calculated using historical bid-based cost estimating.

Finally, DDOT employed its engineering judgment and experience in conjunction with the methods described above. This includes using sound judgment as well as guidelines, such as DDOT's Standards and Specifications for Highways and Structures.

Pepco's cost estimates are calculated using Pepco's Work Management Information System (WMIS). This is consistent with Pepco's standard method for estimating its cost for constructing new distribution facilities. The price of each unit consists of the following categories:

- Labor The labor cost is the activity-type pricing cost incurred by the craft, management and inspector assigned to oversee the work. This pricing method includes the actual labor cost as well as corporate overheads, vehicle and facility costs for each classification of employee that is assigned to the project.
- 2. Material Material costs are based on the moving average price of the material. The material price depends on the monthly increase and/or decrease in the commodities market price. The purchase price includes the manufacturer's average base cost, inventory services, warehousing (if needed), and inbound freight costs.
- 3. Administrative and General (A&G) A&G Costs are the cost of management employees who support the construction activities indirectly and are limited to those employees who are involved in the capital process. A&G percentages are based on the planned activity of the cost center compared to the distribution capital projects planned for the year. This is consistent with Pepco's standard capitalization policy and procedures.

4. Miscellaneous Costs (Stores) – Stores overhead rates are based on the cost required to operate the stores.

UTILITY COORDINATION

DDOT and Pepco recognize the importance of coordinating work with other utilities. Additionally, Section 308(c)(10) of the Undergrounding Act requires DDOT and Pepco to present the protocol for such coordination in the First Biennial Plan. Appendix O contains that protocol.

DDOT and Pepco have jointly hosted, and will continue hosting, utility coordination meetings with the gas company, water utility and other utilities. The purpose of those meetings is to discuss the planned work associated with the DC PLUG initiative and, together with the attending utilities, to identify conflicts and workarounds as well as opportunities for collaboration or other involvement.

COST RECOVERY

Underground Project Charge

The Underground Project Charge is a surcharge that will be collected from all distribution customers, excluding RAD customers, to recover Pepco's portion of the DC PLUG initiative investments. Section 101(42) of the Undergrounding Act defines the Underground Project Charge as an annually adjusted surcharge paid by all distribution service customers of the electric company (except for customers served under the electric company's residential aid discount or a succeeding discount program) for its recovery of

the Electric Company Infrastructure Improvement Costs, together with the electric company's rate of return as approved by the Commission. The Underground Project Charge will recover Pepco's \$250 million investment in the same manner as approved in Order No. 17697, and as clarified by Order No. 17770, in Formal Case No. 1116, and affirmed by the D.C. Court of Appeals.²⁰

Accounting Treatment

Section 308(c)(6)(B) of the Undergrounding Act requires Pepco to present the proposed accounting treatment for the costs to be recovered through the Underground Project Charges. The accounting treatment for the DC PLUG initiative will follow traditional regulatory accounting for capital projects and development of revenue requirements.

O&M expenses included in the Underground Project Charge

The Underground Project Charge includes recovery of the following O&M expenses:

- Costs associated with the Company's portion of the Customer Education Plan;
- Costs associated with the community outreach stations;
- Costs associated with compliance coordinator;
- Commission costs associated with the Commission's evaluation of DC PLUG initiative filings;

Apt. and Office Bldg. Ass'n of Metro Wash. v. PSC of the Dist. Of Columbia, 129 A.3d 925 (D.C. Jan. 14, 2016).

• OPC costs associated with OPC's review of DC PLUG initiative filings.

All of these cost categories were previously approved in Order No. 17697, as clarified by Order No. 17770, to be included in the Underground Project Charge. In addition, the Underground Project Charge includes recovery of the following additional O&M expenses:

- Costs associated with work on the First Biennial Plan that are not otherwise capitalized;
- Costs associated with work on the First Triennial Plan.

The costs associated with engineering design work on feeders approved in the First Triennial Plan that were not selected in the First Biennial Plan would have been capital costs in the Underground Project Charge had the First Triennial Plan been able to move forward. Because they are no longer being placed underground as part of the DC PLUG initiative but are recoverable under Section 101(21) of the Undergrounding Act, the appropriate accounting treatment is to recover them through the UPC as O&M costs.

Methodology for the development of the Underground Project Charge

The revenue requirement and resulting rates included in the Underground Project Charge are calculated using Pepco's portion of the projected capital cost data including, but not limited to, the actual costs of engineering; design and construction; the cost of removal; and actual labor, materials, and Allowance for Funds Used During Construction. Additionally, the revenue requirement includes the operating and maintenance ("O&M") expenses described above. The revenue requirement includes a

return of investment through depreciation based on the plant investment that is placed in service and that is associated with Electric Company Infrastructure Improvement Activity. Pursuant to Section 310(c)(3) of the Undergrounding Act, the revenue requirement also includes a return on investment based on a rate of return of 7.65%, as authorized in Pepco's last base rate case Formal Case No. 1103. The O&M expenses do not earn a return on investment.

Pursuant to Section 310(c)(1) of the Undergrounding Act, the total revenue requirement is allocated among the customer classes in proportion to non-customer related distribution revenue, as approved in Formal Case No. 1103, which is the Company's most recent distribution base rate case order. This aligns the share of revenues collected from each class under Rider UPC with the share of distribution base revenues assigned to that class in Formal Case No. 1103. As also required by Section 310(c)(1) of the Undergrounding Act, customers served under the Residential Aid Discount ("RAD") program, or a successor program, are excluded from the allocation of the revenue requirement. As approved in Order No. 17697 (at P 187) and affirmed by the D.C. Court of Appeals, customer charge revenues were excluded from the allocation on the basis that the DC PLUG initiative does not include infrastructure, such as meters and services, that would normally be recovered through a customer charge.

For each customer class, a volumetric surcharge is developed on a per-kilowatthour basis by dividing the class revenue requirement by the forecasted billing units for that class for the 12-month period corresponding with that rate year under Rider UPC.

At the time of this filing, Pepco currently has a base rate application pending before the Commission in Formal Case No. 1139. The Underground Project Charges presented in the First Biennial Plan reflect the most recent Commission-approved base rates, which were approved in Order No. 17424, as clarified in Order No. 17539, in Formal Case No. 1103. The Commission will issue an order in Formal Case No. 1139 prior to its approval of the First Biennial Plan. DDOT and Pepco will update and file the revenue requirement and the distribution service customer class cost allocations to reflect the order issued in Formal Case No. 1139 within two weeks of the issuance of that order.

Specific development of the initial Underground Project Charge

The Company proposes to make the initial Underground Project Charge effective within ninety days of the issuance of the Commission's order approving the Underground Project Charge. The charge will be based on forecasted project costs of approximately \$59.6 million that are associated with feeders placed into service through calendar year 2022 under the First Biennial Plan. These costs are detailed in the appendices to this First Biennial Plan. Appendix I provides the development of the annual Underground Project Charge revenue requirement. Appendix J provides the allocation of the revenue requirement among the Company's distribution service customer classes (excluding customer served under RAD Rider) based on the revenue allocation authorized in Order No. 17424 in Formal Case No. 1103. Appendix J also provides the final Underground Project Charge rates, on a per kWh basis, for each distribution service customer class based on calendar years 2018-2019 forecasted sales.

Annual update of the Underground Project Charge

Pursuant to Section 315 of the Undergrounding Act, the Company will file an update to the Underground Project Charge under Rider UPC on or before April 1 of each year following issuance of an order authorizing the imposition and collection of Underground Project Charges and for as long as the order remains in effect. The first update is expected to be made on or before April 1, 2018.

The update will include all of the requirements in Section 315 of the Undergrounding Act. In addition to the forecasted expenditures that are placed into service for the two calendar years for which the update is filed, the annual adjustment will include a true-up of Underground Project Charges for the prior calendar year. For each class, an over- or under-recovery amount will be calculated as the difference between actual Electric Company Infrastructure Improvement Costs incurred during the prior calendar year (based on actual capital expenditures, plant closings, depreciation expense and O&M expenses) and actual booked revenues under Rider UPC during the same time period. For the purpose of calculating each class's true-up amount, actual Electric Company Infrastructure Improvement Costs will be allocated among the classes in proportion to the Underground Project Charge revenue requirement that was in effect during the true-up period. Rider UPC collections are tracked by distribution service customer class and will be directly assigned. For each class, the under-recovery amount will be added to, or the over-recovery amount credited to, that class's revenue requirement for the next rate period.

As part of the base distribution rate case filings following the completion of all Electric Company Infrastructure Improvement Activity, all investments will be incorporated into distribution rate base. At that point, the Company would file a final adjustment to Rider UPC to true-up actual costs and collections for each class as of the effective date of the Company's updated base rates, with refunds or surcharges to occur during the following rate period. At the end of that rate period, Rider UPC will be terminated.

Updated Tariff sheets to reflect the Underground Project Charge

A new tariff rider named the "Underground Project Charge Rider – Rider 'UPC'" is provided Appendix K. Rider "UPC" is applicable to all rate schedules with the exception of customers served under the RAD Rider. The Underground Project Charge will be shown on customer bills as "Underground Charge, Pepco".

DDOT Charge and Underground Rider

The Undergrounding Act defines the financing structure for the District-funded portion of the DC PLUG initiative (*i.e.*, \$187.5 million). Pursuant to Section 301(a)(2)(A) of the Undergrounding Act, the District will assess on Pepco an annual fee equal to the cost of the work to be performed by DDOT in the next two-year period in the form of the DDOT Underground Electric Company Infrastructure Improvement Charge (DDOT Charge). Pursuant to Section 301(a)(2)(B) of the Undergrounding Act, Pepco will remit the funds, equal to 1/24 of the DDOT Charge, within the first 10 days of each month during the applicable billing period. Consistent with Sections 303a(a) and 303a(c) of the Undergrounding Act, the District will establish the DDOT Underground Electric Company Infrastructure Improvement Fund (DDOT Improvement Fund). The Pepco

funds remitted to DDOT to pay the DDOT Charge will be placed in the DDOT Improvement Fund for exclusive use in paying for the DDOT Underground Electric Company Infrastructure Improvement Costs.

To recover the DDOT Charges, the Company will allocate the Underground Rider revenue requirement to its distribution service customer classes, with the exception of RAD customers (Section 301(a)(3) of the Undergrounding Act) on a volumetric basis, and in an amount sufficient to ensure that the Underground Rider reasonably can be expected to generate sufficient revenues to permit Pepco to recover the DDOT Charges. To ensure that the Company recovers aggregate costs equal to the annual DDOT Charges (approximately \$30 million per year), pursuant to Section 314 of the Undergrounding Act, the Underground Rider will be subject to a true-up on, at most, a semi-annual basis to account for over- or under-collection.

DDOT Charge

Pursuant to Section 101(13) of the Undergrounding Act, the DDOT Charge is a charge imposed by the District on Pepco pursuant to a financing order issued by the Commission, which is used by the District to pay the DDOT Underground Electric Company Infrastructure Improvement Costs.

Pursuant to Section 301(a)(2)(B) of the Undergrounding Act, in each month of the applicable two-year period the District will impose on Pepco 1/24th of the DDOT Charges approved for that period pursuant to the financing order to be remitted to the DDOT Improvement Fund established under Section 303a of the Undergrounding Act.

Underground Rider

The Underground Rider is an annually adjusted rider to Pepco's volumetric distribution service rates paid by all of Pepco's distribution service customers (except for customers served through the RAD program) that reasonably can be expected to generate sufficient revenues to permit Pepco to recover the DDOT Charges.

The annual revenue requirement to be collected under the Underground Rider is one-half (or 12/24ths) of the DDOT Charges approved in the financing order. Pursuant to Section 301(a)(3) of the Undergrounding Act, the Underground Rider will allocate costs to Pepco's distribution service customer classes, excluding customers served through the RAD program, in accordance with the distribution service customer class cost allocations in effect pursuant to Pepco's most recently decided base rate case. The distribution service customer class cost allocation methodology for the Underground Rider's revenue requirement is the same as the allocation methodology approved by the Commission in Formal Case Nos. 1116 and 1121 and affirmed in *AOBA v. DCPSC* and is based on the allocations approved in Order No. 17424 in Formal Case No. 1103.²¹ This methodology aligns each class's revenue responsibility under the Underground Rider with that class's base revenue responsibility, as determined by the Commission in Formal Case No. 1103.

The Commission will issue an order in Formal Case No. 1139 prior to its approval of the First Biennial Plan. DDOT and Pepco will update and file the distribution service customer class cost allocations to reflect the order issued in Formal Case No. 1139 within two weeks of the issuance of that order.

Consistent with Section 301(a)(3) of the Undergrounding Act, the rates under the Underground Rider are developed for each applicable customer class as a volumetric surcharge (*i.e.*, on a per kilowatt-hour basis). The billing units used to set the rates are forecasted kWh sales for the time period corresponding to the Underground Rider's rate period, which ensures that the Underground Rider reasonably can be expected to generate sufficient revenues to permit Pepco to recover the DDOT Charges.

Under Section 314(a) of the Undergrounding Act, rates under the Underground Rider will be subject to true-up on, at most, a semi-annual basis. For each customer class subject to the Underground Rider, an over- or under-collection amount will be calculated as that class's Underground Rider collections less actual DDOT Charges attributable to that class during the true-up period. For the purpose of calculating each class's over- or under-collection amount, actual DDOT Charges will be imputed to classes consistent with the distribution service class cost allocation of the revenue requirement that was used to develop the Underground Rider rates that were in effect during the true-up period. Collections from each class under the Underground Rider will be tracked separately and will be directly assigned to the applicable class. The amount of the true-up of the Underground Rider will be allocated to each distribution service customer class in the proportion to which the customer class contributed to the under-collection or overcollection. This methodology will ensure that the true-up is performed consistent with Section 314(f)(1) of the Undergrounding Act. The Underground Rider can be found in Appendix L.

Bill comparisons showing the impact of the UPC and the Underground Rider

Bill comparisons for the UPC and the Underground Rider for the major distribution service customer classes are provided in Appendix M. Based on current base rates, the typical residential customer using an average of 675 kWhs per month would see an estimated monthly bill impact in 2018 of \$0.14 or 0.17% due to the Underground Project Charge and \$1.04 or 1.25% due to the Underground Rider.

DC PLUG EDUCATION PLAN

Education and communication will be critical to the success of the DC PLUG initiative. The DC PLUG initiative is committed to transparency in project planning and implementation. DC PLUG initiative communications will help residents, businesses, and other stakeholders understand the initiative's scope and expected impact, planned activities for the target areas, the infrastructure improvement process and the multi-year implementation schedule. As with all infrastructure improvements, the impact of construction work on daily activity will be a particularly important communication message for residents, businesses, and other stakeholders. Pursuant to Section 308(c)(7), DDOT and Pepco have included in Appendix N the DC PLUG Education Plan (Education Plan), which is the same as the Education Plan approved in Order No. 17697, as clarified in Order No. 17770. Certain changes were necessitated by Order No. 17697 and 17770 and Mayor's Order Nos. 2015-162 and 2015-116. In addition, the Education Plan includes modernized updated such as mobile, pop-up community outreach stations in place of brick-and-mortar facilities, updated digital tactics including removal of a

District-operated listserv and outdated Facebook features, and refreshed key messages to be used for public communication on the benefits of the DC PLUG initiative. While the original Education Plan contemplated physical real estate for outreach locations, the modernized Education Plan included in Appendix N makes a more cost-effective switch to sending Pepco-owned electrical vehicles into communities as mobile, pop-up outreach stations. These mobile, pop-up outreach stations will allow for greater flexibility to best center and conduct outreach with the community. Messaging is also updated in the Education Plan to reflect the DC PLUG initiative's focus on resiliency against storms.

Section 101(21) of the Undergrounding Act includes customer communications among the Electric Company Infrastructure Improvement Costs recoverable through the Underground Project Charge associated with the DC PLUG initiative. As such, the Education Plan includes an estimated annual budget of approximately \$929,000 for Pepco (\$657,000) and DDOT (\$272,000) community outreach and education and associated materials, attached to the First Biennial Plan in Appendix N. The budget can be updated as business and community needs change.

FOCUS ON DISTRICT OF COLUMBIA BUSINESSES AND RESIDENTS

The Undergrounding Act requires that Pepco have a goal of filling 100% of all jobs related to the DC PLUG initiative with District of Columbia residents and awarding 100% of the construction contracts to District businesses, where qualified to perform

such work.²² Pepco intends to comply with the Undergrounding Act through partnership with DDOT, the District Government and various contracting and workforce recruitment activities.

First, Pepco will determine its hiring and contracting needs. The direct hiring opportunities may include journey electrical workers, electrical apprentices, skilled laborers and engineers. Pepco will make every practical effort to identify and hire qualified local residents for all of these positions.

Second, Pepco will identify employment and contracting opportunities. These opportunities may include the installation of cable and other electrical equipment and engineering design.

Third, Pepco will identify local qualified candidates for opportunities. To that end, DDOT and Pepco have jointly hosted forums for contractors during the planning stages of the First Triennial Plan, during which DDOT and Pepco familiarized contractors with the DC PLUG initiative, the work that would be required, the Pepco procurement process, and explained how to register as an approved Pepco supplier or Certified Business Enterprise in the District of Columbia. Pepco also used that opportunity to underscore the District of Columbia-focused goal prescribed by the Undergrounding Act. DDOT and Pepco will continue this work during the First Biennial Plan.

²² Act, § 102(7).

Fourth, Pepco will provide training and internships to prepare additional local candidates to be qualified. To this end, Pepco will also work with local universities to recruit interns for engineering and other roles.

DDOT and Pepco will retain a consultant to track and report on local hiring and contracting throughout the course of the DC PLUG initiative. Additionally, the District will draw on a wide range of resources and initiatives to proactively support District business contracting and resident hiring by DDOT and Pepco. Appropriate information and guidelines will be included in the bid process so that contractors understand the procurement standards for the DC PLUG initiative. DDOT and Pepco will reach out to CBEs and coordinate with key agencies, such as the Department of Small and Local Business Development ("DSLBD") and the Department of Employment Services ("DOES"). Pre-procurement efforts with the District's Office of Contracting and Procurement and DSLBD will promote participation by Certified Business Enterprises.

DDOT and Pepco, with assistance from the National Utility Contractors Association of Washington, the District of Columbia Building Industry Association, and the Greater Washington Chamber of Commerce, convened a contractors forum in March 2014 to reach out to several hundred CBE firms to explain the DC PLUG initiative and the work that will be available as part of this project. Additional contractor forums will be held over the coming months.

Where feasible, work scope may be unbundled or subdivided to expand participation opportunities for smaller District of Columbia businesses, a strategy which also promotes networking and teaming among contractors, including smaller contractors who may not have the resources individually to undertake larger projects.

The parties also expect to employ construction apprenticeship programs administered by the District's Department of Employment Services ("DOES") to enable city residents to learn high-demand skills that can increase employment opportunities in the DC PLUG initiative. DOES is also an important resource for identifying to contractors available District of Columbia workers who are able to perform construction, electrical and engineering jobs. Both DDOT and Pepco have engaged with the Laborer's International Union of North America regarding recruiting, training and placement of District of Columbia residents through its workforce development program. DDOT and Pepco will conduct and participate in job fairs and other community outreach activities directed towards District of Columbia residents and designed to provide notice of employment opportunities and to recruit candidates for employment.

Capability and Capacity Building Program

Although not specified in the Original Act or the Undergrounding Act, Pepco has created a Capability & Capacity Building ("C&C") Program to expand and develop the pool of qualified CBE construction contractors. Pepco's C&C Program creates opportunities for CBE firms to become qualified by setting up and awarding discrete work packages for existing feeders that are similar to the type of work that contractors perform on DC PLUG initiative projects. Through this innovative program, Pepco provides CBE construction contractors the opportunity to demonstrate their capability and capacity to perform work in accordance with Pepco standards on existing Pepco projects and become qualified to bid on and perform DC PLUG initiative construction projects as well as normal Pepco projects. Pepco exclusively invites CBE firms to

respond to its RFPs for C&C Program work. The work packages offered through the C&C Program are funded in the same manner as Pepco's normal capital projects, are outside of the DC PLUG initiative, and are not funded through the DC PLUG initiative's funding mechanism. Therefore, the C&C Program represents additional contracting opportunities for CBE firms beyond those specifically related to the DC PLUG initiative. The type of work that characterizes the C&C Program includes civil and electrical construction work, the installation of conduit and manholes, installation of electrical cable, and civil construction quality assurance and quality control. DDOT and Pepco believe that the C&C Program will increase the number of CBE construction contractors qualified to bid on and perform DC PLUG initiative construction work as well as increase the number of qualified contractors for Pepco's existing feeder work.

Pepco released four C&C Program RFPs in early 2015 and three additional RFPs in late 2015. A total of seven CBE firms entered Pepco's C&C Program and five of those firms have become qualified for work in the DC PLUG initiative and certain aspects of PHI construction work. Additionally, two of those contractors became Contractors of Choice for Pepco.

To date, the total value of the C&C Program contracts is approximately \$4.16 million. Pepco is currently reviewing its upcoming projects to identify future opportunities to further engage CBE firms through its C&C Program.

APPENDIX A

APPENDIX A: Feeder Ranking (SAIFI, SAIDI, CMI/\$)

	Fe	eder Rank	ing (SAIFI	, SAIDI, CI	MI/\$)	
Rank	Feeder	Ward	SAIFI	SAIDI	CMI	CMI/\$
1	14890	4	1.9	1877	3,293,860	0.298
2	15707	7	3.4	1191	3,693,521	0.082
3	308	3	2.9	2091	1,244,346	0.065
4	14758	8	3.3	553	1,196,843	0.042
5	15705	7	3.9	830	1,785,177	0.032
7	14767 15166	3 8	2.5	1119 551	1,168,645	0.024
8	14007	5	1.9	1093	1,255,393 1,775,611	0.040
9	15009	4	2.5	616	866,186	0.037
10	467	4	1.0	1671	720,414	0.063
11	14014	5	3.2	524	1,077,794	0.025
12	14702	7	2.8	776	850,186	0.022
13	75	3	2.4	1364	496,574	0.044
14	14093	5	1.4	658	886,084	0.027
15	15001	4	1.9	903	1,210,387	0.026
16	14900	4	2.5	699	958,497	0.021
17	14766	3	1.5	1273	930,204	0.026
18	368	7	1.4	573	399,479	0.026
19	482	4	2.0	882	463,805	0.054
20	394	3	1.8	1100	326,783	0.021
21	15801	3	1.7	631	1,696,245	0.027
22	14896	4	1.6	657	882,330	0.024
23	14008	. 5	2.8	694	732,091	0.022
24	15264 15199	4	0.8 2.2	777 874	1,284,231	0.041
26	14200	5	1.7	622	1,740,754 1,660,960	0.023 0.052
27	144	3	2.0	1426	393,470	0.032
28	14136	3	2.0	478	1,541,871	0.171
29	65	3	1.5	795	418,359	0.021
30	15021	4	1.3	457	968,944	0.029
31	14717	7	2.1	329	1,424,266	0.024
32	490	4	2.1	845	533,939	0.025
33	14009	5	1.6	298	490,274	0.036
34	14768	3	1.4	748	1,094,604	0.024
35	15943	2	2.3	1096	2,244,283	0.043
36	15701	6	1.4	444	1,427,912	0.085
37	15170	7	1.8	447	736,493	0.031
38	485	4	1.2	644	467,916	0.167
39	14894 15172	3	0.4	719 300	516,263	0.641
40 41	131/2	8	1.5 0.8	1441	458,715 360,136	0.020 0.020
42	15171	8	1.0	467	798,685	0.020
43	118	7	2.0	585	309,038	0.033
44	117	4	1.4	547	166,141	0.013
45	14006	5	1.5	192	384,375	0.036
46	177	8	1.0	599	208,513	0.026
47	15200	4	0.5	535	770,932	0.024
48	165	8	0.8	465	194,323	0.024
49	14135	4	0.9	462	471,825	0.016
50	15014	4	2.4	718	1,365,558	0.017
51	97	7	1.4	285	309,165	0.016
52	15944	4	1.2	863	570,744	0.009
53	15174	8	1.8	198	474,672	0.017
54	14701	8	2.2	214	343,956	0.014
55 56	64	3	1.4	684	197,594	0.008
56 57	348 133	8	1.1	699 1105	169,116 529,156	0.018
5/	133	4	1.4	1105	529,156	0.012

58 414 4 1.0 449 216,012 0.019 59 14015 5 1.7 678 962,680 0.014 60 333 8 1.1 253 140,954 0.019 61 15710 7 2.1 513 1,130,816 0.011 62 495 7 0.6 342 210,790 0.023 63 347 7 1.1 489 403,505 0.018 64 99 7 0.7 936 394,822 0.022 65 385 7 0.5 348 312,373 0.021 66 14023 5 1.3 675 652,081 0.015 67 15945 3 1.6 246 304,838 0.006 68 14016 5 1.3 419 257,827 0.008 69 101 3 0.7 632 139,762 0.008 <		Fe	eeder Rank	ing (SAIFI	, SAIDI, C	MI/\$)	
59 14015 5 1.7 678 962,680 0.014 60 333 8 1.1 253 140,954 0.015 61 15710 7 2.1 513 1,130,816 0.011 62 495 7 0.6 342 210,790 0.023 63 347 7 1.1 489 403,505 0.018 64 99 7 0.7 936 394,822 0.022 65 385 7 0.5 348 312,373 0.021 66 14023 5 1.3 675 652,081 0.015 67 15945 3 1.6 246 304,838 0.06 68 14016 5 1.3 419 257,827 0.008 69 101 3 0.7 632 139,762 0.008 70 15711 7 1.3 580 7,539 0.02 <tr< th=""><th>Rank</th><th>Feeder</th><th>Ward</th><th>SAIFI</th><th>SAIDI</th><th>CMI</th><th>CMI/\$</th></tr<>	Rank	Feeder	Ward	SAIFI	SAIDI	CMI	CMI/\$
60 333 8 1.1 253 144,954 0.013 61 15710 7 2.1 513 1,130,816 0.011 62 495 7 0.6 342 210,790 0.023 63 347 7 1.1 489 403,505 0.018 64 99 7 0.7 936 394,822 0.022 65 385 7 0.5 348 312,373 0.021 66 14023 5 1.3 675 652,081 0.015 67 15945 3 1.6 246 304,838 0.002 68 14016 5 1.3 419 257,827 0.008 69 101 3 0.7 632 139,762 0.008 70 15711 7 1.3 580 7,539 0.002 71 15197 4 1.1 254 462,808 0.012 <	58	414	4	1.0	449	216,012	0.019
61 15710 7 2.1 513 1,130,816 0.011 62 495 7 0.6 342 210,790 0.023 63 347 7 1.1 489 403,505 0.018 64 99 7 0.7 936 394,822 0.022 65 385 7 0.5 348 312,373 0.021 66 14023 5 1.3 675 652,081 0.015 67 15945 3 1.6 246 304,838 0.005 68 14016 5 1.3 419 257,827 0.008 69 101 3 0.7 632 139,762 0.008 70 15711 7 1.3 580 7,539 0.002 71 15197 4 1.1 254 462,808 0.012 72 128 3 0.9 507 272,130 0.012 <	59	14015		1.7	678	962,680	0.014
62 495 7 0.6 342 210,790 0.023 63 347 7 1.1 489 403,505 0.018 64 99 7 0.7 936 394,822 0.022 65 385 7 0.5 348 312,373 0.021 66 14023 5 1.3 675 652,081 0.015 68 14016 5 1.3 419 257,827 0.008 68 14016 5 1.3 419 257,827 0.008 69 101 3 0.7 632 139,762 0.008 70 15711 7 1.3 580 7,539 0.002 71 15197 4 1.1 254 462,808 0.012 72 128 3 0.9 507 272,130 0.012 72 128 3 0.9 507 272,130 0.012	60	333	8	1.1	253	140,954	0.019
63 347 7 1.1 489 403,505 0.018 64 99 7 0.7 936 394,822 0.022 65 385 7 0.5 348 312,373 0.021 66 14023 5 1.3 675 652,081 0.015 67 15945 3 1.6 246 304,838 0.006 68 14016 5 1.3 419 257,827 0.008 69 101 3 0.7 632 139,762 0.008 70 15711 7 1.3 580 7,539 0.002 71 15197 4 1.1 254 462,808 0.012 72 128 3 0.9 507 272,130 0.012 73 15706 7 1.0 166 380,280 0.016 74 14891 4 0.2 561 1,054,183 0.23	61	15710	7	2.1	513	1,130,816	0.011
64 99 7 0.7 936 394,822 0.022 65 385 7 0.5 348 312,373 0.021 66 14023 5 1.3 675 652,081 0.015 67 15945 3 1.6 246 304,838 0.006 68 14016 5 1.3 419 257,827 0.008 69 101 3 0.7 632 139,762 0.008 70 15711 7 1.3 580 7,539 0.002 71 15197 4 1.1 254 462,808 0.012 72 128 3 0.9 507 272,130 0.012 73 15706 7 1.0 166 380,280 0.016 74 14891 4 0.2 561 1,054,183 0.231 75 152 7 0.5 454 151,047 0.014	62	495	7	0.6	342	210,790	0.023
65 385 7 0.5 348 312,373 0.021 66 14023 5 1.3 675 652,081 0.015 67 15945 3 1.6 246 304,838 0.006 68 14016 5 1.3 419 257,827 0.008 69 101 3 0.7 632 139,762 0.008 70 15711 7 1.3 580 7,539 0.002 71 15197 4 1.1 254 462,808 0.012 72 128 3 0.9 507 272,130 0.012 73 15766 7 1.0 166 380,280 0.012 74 14891 4 0.2 561 1,054,183 0.231 75 152 7 0.5 454 151,047 0.014 76 14133 3 1.1 447 363,761 0.012	63	347	7	1.1	489	403,505	0.018
66 14023 5 1.3 675 652,081 0.015 67 15945 3 1.6 246 304,838 0.006 68 14016 5 1.3 419 257,827 0.008 69 101 3 0.7 632 139,762 0.008 70 15711 7 1.3 580 7,539 0.002 71 15197 4 1.1 254 462,808 0.012 72 128 3 0.9 507 272,130 0.012 73 15706 7 1.0 166 380,280 0.016 74 14891 4 0.2 561 1,054,183 0.231 75 152 7 0.5 454 151,047 0.014 76 14133 3 1.1 447 363,761 0.012 77 14055 7 0.2 271 504,335 0.06	64	99	7	0.7	936	394,822	0.022
67 15945 3 1.6 246 304,838 0.006 68 14016 5 1.3 419 257,827 0.008 69 101 3 0.7 632 139,762 0.002 70 15711 7 1.3 580 7,539 0.002 71 15197 4 1.1 254 462,808 0.012 72 128 3 0.9 507 272,130 0.012 73 15706 7 1.0 166 380,280 0.016 74 14891 4 0.2 561 1,054,183 0.231 75 152 7 0.5 454 151,047 0.012 76 14133 3 1.1 447 363,761 0.012 77 14055 7 0.2 271 504,335 0.06 78 14005 5 1.5 393 151,635 0.007	65	385	7	0.5	348	312,373	0.021
68 14016 5 1.3 419 257,827 0.008 69 101 3 0.7 632 139,762 0.008 70 15711 7 1.3 580 7,539 0.002 71 15197 4 1.1 254 462,808 0.012 72 128 3 0.9 507 272,130 0.012 73 15706 7 1.0 166 380,280 0.016 74 14891 4 0.2 561 1,054,183 0.231 75 152 7 0.5 454 151,047 0.012 76 14133 3 1.1 447 363,761 0.012 77 14055 7 0.2 271 504,335 0.060 78 14005 5 1.5 393 151,635 0.007 78 14005 5 1.5 393 151,635 0.004 <td>66</td> <td>14023</td> <td>5</td> <td>1.3</td> <td>675</td> <td>652,081</td> <td>0.015</td>	66	14023	5	1.3	675	652,081	0.015
69 101 3 0.7 632 139,762 0.008 70 15711 7 1.3 580 7,539 0.002 71 15197 4 1.1 254 462,808 0.012 72 128 3 0.9 507 272,130 0.012 73 15706 7 1.0 166 380,280 0.016 74 14891 4 0.2 561 1,054,183 0.231 75 152 7 0.5 454 151,047 0.014 76 14133 3 1.1 447 363,761 0.012 77 14055 7 0.2 271 504,335 0.060 78 14005 5 1.5 393 151,635 0.007 80 15013 4 0.7 178 591,061 0.018 81 14753 8 1.8 340 285,531 0.008 <td>67</td> <td>15945</td> <td>3</td> <td>1.6</td> <td>246</td> <td>304,838</td> <td>0.006</td>	67	15945	3	1.6	246	304,838	0.006
69 101 3 0.7 632 139,762 0.008 70 15711 7 1.3 580 7,539 0.002 71 15197 4 1.1 254 462,808 0.012 72 128 3 0.9 507 272,130 0.012 73 15706 7 1.0 166 380,280 0.016 74 14891 4 0.2 561 1,054,183 0.231 75 152 7 0.5 454 151,047 0.014 76 14133 3 1.1 447 363,761 0.012 77 14055 7 0.2 271 504,335 0.060 78 14005 5 1.5 393 151,635 0.007 78 14005 5 1.5 393 151,635 0.007 80 15013 4 0.7 178 591,661 0.018 <td>68</td> <td>14016</td> <td>5</td> <td>1.3</td> <td>419</td> <td>257,827</td> <td>0.008</td>	68	14016	5	1.3	419	257,827	0.008
71 15197 4 1.1 254 462,808 0.012 72 128 3 0.9 507 272,130 0.012 73 15706 7 1.0 166 380,280 0.016 74 14891 4 0.2 561 1,054,183 0.231 75 152 7 0.5 454 151,047 0.014 76 14133 3 1.1 447 363,761 0.012 77 14055 7 0.2 271 504,335 0.060 78 14005 5 1.5 393 151,635 0.007 79 451 7 1.4 213 48,046 0.004 80 15013 4 0.7 178 591,061 0.018 81 14753 8 1.8 340 285,531 0.008 82 87 3 0.6 518 187,061 0.020	69	101	3	0.7	632		0.008
71 15197 4 1.1 254 462,808 0.012 72 128 3 0.9 507 272,130 0.012 73 15706 7 1.0 166 380,280 0.016 74 14891 4 0.2 561 1,054,183 0.231 75 152 7 0.5 454 151,047 0.014 76 14133 3 1.1 447 363,761 0.012 77 14055 7 0.2 271 504,335 0.060 78 14005 5 1.5 393 151,635 0.007 79 451 7 1.4 213 48,046 0.004 80 15013 4 0.7 178 591,061 0.018 81 14753 8 1.8 340 285,531 0.008 82 87 3 0.6 518 187,091 0.012	70	15711	7	1.3	580	7,539	0.002
72 128 3 0.9 507 272,130 0.012 73 15706 7 1.0 166 380,280 0.016 74 14891 4 0.2 561 1,054,183 0.231 75 152 7 0.5 454 151,047 0.014 76 14133 3 1.1 447 363,761 0.012 77 14055 7 0.2 271 504,335 0.067 78 14005 5 1.5 393 151,635 0.007 79 451 7 1.4 213 48,046 0.004 80 15013 4 0.7 178 591,061 0.018 81 14753 8 1.8 340 285,531 0.008 82 87 3 0.6 518 187,016 0.013 84 15130 7 1.5 109 211,969 0.007	71		4	1.1			0.012
73 15706 7 1.0 166 380,280 0.016 74 14891 4 0.2 561 1,054,183 0.231 75 152 7 0.5 454 151,047 0.014 76 14133 3 1.1 447 363,761 0.012 77 14055 7 0.2 271 504,335 0.060 78 14005 5 1.5 393 151,635 0.007 79 451 7 1.4 213 48,046 0.004 80 15013 4 0.7 178 591,061 0.018 81 14753 8 1.8 340 285,531 0.008 81 14753 8 1.8 340 285,531 0.008 82 87 3 0.6 518 187,019 0.012 83 488 4 1.0 801 680,281 0.02	72	128	3	0.9	507		0.012
74 14891 4 0.2 561 1,054,183 0.231 75 152 7 0.5 454 151,047 0.014 76 14133 3 1.1 447 363,761 0.012 77 14055 7 0.2 271 504,335 0.060 78 14005 5 1.5 393 151,635 0.007 79 451 7 1.4 213 48,046 0.004 80 15013 4 0.7 178 591,061 0.018 81 14753 8 1.8 340 285,531 0.008 81 14753 8 1.8 340 285,531 0.008 82 87 3 0.6 518 187,019 0.012 83 488 4 1.0 801 680,281 0.020 85 499 8 0.5 431 105,053 0.014		15706		1.0	166		0.016
75 152 7 0.5 454 151,047 0.014 76 14133 3 1.1 447 363,761 0.012 77 14055 7 0.2 271 504,335 0.060 79 451 7 1.4 213 48,046 0.004 80 15013 4 0.7 178 591,061 0.018 81 14753 8 1.8 340 285,531 0.008 82 87 3 0.6 518 187,019 0.012 83 488 4 1.0 801 680,281 0.020 84 15130 7 1.5 109 211,969 0.007 85 499 8 0.5 431 105,053 0.014 86 372 7 0.5 244 180,691 0.009 87 328 7 0.5 185 74,533 0.008				-			
76 14133 3 1.1 447 363,761 0.012 77 14055 7 0.2 271 504,335 0.060 78 14005 5 1.5 393 151,635 0.007 79 451 7 1.4 213 48,046 0.004 80 15013 4 0.7 178 591,061 0.018 81 14753 8 1.8 340 285,531 0.008 82 87 3 0.6 518 187,019 0.012 83 488 4 1.0 801 680,281 0.020 84 15130 7 1.5 109 211,969 0.007 85 499 8 0.5 431 105,053 0.014 86 372 7 0.5 244 180,691 0.09 87 328 7 0.5 185 74,533 0.08							
77 14055 7 0.2 271 504,335 0.060 78 14005 5 1.5 393 151,635 0.007 79 451 7 1.4 213 48,046 0.004 80 15013 4 0.7 178 591,061 0.018 81 14753 8 1.8 340 285,531 0.008 82 87 3 0.6 518 187,019 0.012 83 488 4 1.0 801 680,281 0.020 84 15130 7 1.5 109 211,969 0.007 85 499 8 0.5 431 105,053 0.014 86 372 7 0.5 244 180,691 0.009 87 328 7 0.5 185 74,533 0.08 88 15011 4 1.2 172 240,222 0.009	-						
78 14005 5 1.5 393 151,635 0.007 79 451 7 1.4 213 48,046 0.004 80 15013 4 0.7 178 591,061 0.018 81 14753 8 1.8 340 285,531 0.008 82 87 3 0.6 518 187,019 0.012 83 488 4 1.0 801 680,281 0.020 84 15130 7 1.5 109 211,969 0.007 85 499 8 0.5 431 105,053 0.014 86 372 7 0.5 244 180,691 0.09 87 328 7 0.5 185 74,533 0.008 87 328 7 0.5 185 74,533 0.008 89 102 3 1.1 222 128,322 0.004							
79 451 7 1.4 213 48,046 0.004 80 15013 4 0.7 178 591,061 0.018 81 14753 8 1.8 340 285,531 0.008 82 87 3 0.6 518 187,019 0.012 83 488 4 1.0 801 680,281 0.020 84 15130 7 1.5 109 211,969 0.007 85 499 8 0.5 431 105,053 0.014 86 372 7 0.5 244 180,691 0.009 87 328 7 0.5 185 74,533 0.008 88 15011 4 1.2 172 240,222 0.009 89 102 3 1.1 222 128,842 0.004 90 15709 7 1.2 92 238,848 0.013							
80 15013 4 0.7 178 591,061 0.018 81 14753 8 1.8 340 285,531 0.008 82 87 3 0.6 518 187,019 0.012 83 488 4 1.0 801 680,281 0.020 84 15130 7 1.5 109 211,969 0.007 85 499 8 0.5 431 105,053 0.014 86 372 7 0.5 244 180,691 0.009 87 328 7 0.5 185 74,533 0.008 88 15011 4 1.2 172 240,222 0.009 89 102 3 1.1 222 128,322 0.004 90 15709 7 1.2 92 238,848 0.007 91 15008 4 0.8 283 58,911 0.018							
81 14753 8 1.8 340 285,531 0.008 82 87 3 0.6 518 187,019 0.012 83 488 4 1.0 801 680,281 0.020 84 15130 7 1.5 109 211,969 0.007 85 499 8 0.5 431 105,053 0.014 86 372 7 0.5 244 180,691 0.009 87 328 7 0.5 185 74,533 0.008 88 15011 4 1.2 172 240,222 0.009 89 102 3 1.1 222 128,322 0.004 90 15709 7 1.2 92 238,848 0.007 91 15008 4 0.8 283 58,911 0.018 92 365 7 0.5 363 257,489 0.013							
82 87 3 0.6 518 187,019 0.012 83 488 4 1.0 801 680,281 0.020 84 15130 7 1.5 109 211,969 0.007 85 499 8 0.5 431 105,053 0.014 86 372 7 0.5 244 180,691 0.009 87 328 7 0.5 185 74,533 0.008 88 15011 4 1.2 172 240,222 0.009 89 102 3 1.1 222 128,322 0.004 90 15709 7 1.2 92 238,848 0.007 91 15008 4 0.8 283 58,911 0.018 92 365 7 0.5 363 257,489 0.013 93 82 3 0.8 356 219,839 0.009			_				
83 488 4 1.0 801 680,281 0.020 84 15130 7 1.5 109 211,969 0.007 85 499 8 0.5 431 105,053 0.014 86 372 7 0.5 244 180,691 0.009 87 328 7 0.5 185 74,533 0.008 88 15011 4 1.2 172 240,222 0.009 89 102 3 1.1 222 128,322 0.004 90 15709 7 1.2 92 238,848 0.007 91 15008 4 0.8 283 58,911 0.018 92 365 7 0.5 363 257,489 0.013 93 82 3 0.8 356 219,839 0.009 94 15010 4 0.5 150 427,486 0.013	_						
84 15130 7 1.5 109 211,969 0.007 85 499 8 0.5 431 105,053 0.014 86 372 7 0.5 244 180,691 0.009 87 328 7 0.5 185 74,533 0.008 88 15011 4 1.2 172 240,222 0.009 89 102 3 1.1 222 128,322 0.004 90 15709 7 1.2 92 238,848 0.007 91 15008 4 0.8 283 58,911 0.013 92 365 7 0.5 363 257,489 0.013 93 82 3 0.8 356 219,839 0.009 94 15010 4 0.5 150 427,486 0.013 95 205 7 1.1 79 43,215 0.002							
85 499 8 0.5 431 105,053 0.014 86 372 7 0.5 244 180,691 0.009 87 328 7 0.5 185 74,533 0.008 88 15011 4 1.2 172 240,222 0.009 89 102 3 1.1 222 128,322 0.004 90 15709 7 1.2 92 238,848 0.007 91 15008 4 0.8 283 58,911 0.018 92 365 7 0.5 363 257,489 0.013 93 82 3 0.8 356 219,839 0.009 94 15010 4 0.5 150 427,486 0.013 95 205 7 1.1 79 43,215 0.002 96 15085 8 1.2 127 222,202 0.005							
86 372 7 0.5 244 180,691 0.009 87 328 7 0.5 185 74,533 0.008 88 15011 4 1.2 172 240,222 0.009 89 102 3 1.1 222 128,322 0.004 90 15709 7 1.2 92 238,848 0.007 91 15008 4 0.8 283 58,911 0.018 92 365 7 0.5 363 257,489 0.013 93 82 3 0.8 356 219,839 0.009 94 15010 4 0.5 150 427,486 0.013 95 205 7 1.1 79 43,215 0.002 96 15085 8 1.2 127 222,202 0.005 97 494 7 0.8 97 32,281 0.004							
87 328 7 0.5 185 74,533 0.008 88 15011 4 1.2 172 240,222 0.009 89 102 3 1.1 222 128,322 0.004 90 15709 7 1.2 92 238,848 0.007 91 15008 4 0.8 283 58,911 0.018 92 365 7 0.5 363 257,489 0.013 93 82 3 0.8 356 219,839 0.009 94 15010 4 0.5 150 427,486 0.013 95 205 7 1.1 79 43,215 0.002 96 15085 8 1.2 127 222,202 0.005 97 494 7 0.8 97 32,281 0.004 98 14813 7 0.2 338 74,058 0.08							
88 15011 4 1.2 172 240,222 0.009 89 102 3 1.1 222 128,322 0.004 90 15709 7 1.2 92 238,848 0.007 91 15008 4 0.8 283 58,911 0.018 92 365 7 0.5 363 257,489 0.013 93 82 3 0.8 356 219,839 0.009 94 15010 4 0.5 150 427,486 0.013 95 205 7 1.1 79 43,215 0.002 96 15085 8 1.2 127 222,202 0.005 97 494 7 0.8 97 32,281 0.004 98 14813 7 0.2 338 74,058 0.008 99 14150 3 0.6 162 454,359 0.059							
89 102 3 1.1 222 128,322 0.004 90 15709 7 1.2 92 238,848 0.007 91 15008 4 0.8 283 58,911 0.018 92 365 7 0.5 363 257,489 0.013 93 82 3 0.8 356 219,839 0.009 94 15010 4 0.5 150 427,486 0.013 95 205 7 1.1 79 43,215 0.002 96 15085 8 1.2 127 222,202 0.005 97 494 7 0.8 97 32,281 0.004 98 14813 7 0.2 338 74,058 0.008 99 14150 3 0.6 162 454,359 0.059 100 14809 7 0.9 357 3,216 0.000							
90 15709 7 1.2 92 238,848 0.007 91 15008 4 0.8 283 58,911 0.018 92 365 7 0.5 363 257,489 0.013 93 82 3 0.8 356 219,839 0.009 94 15010 4 0.5 150 427,486 0.013 95 205 7 1.1 79 43,215 0.002 96 15085 8 1.2 127 222,202 0.005 97 494 7 0.8 97 32,281 0.004 98 14813 7 0.2 338 74,058 0.008 99 14150 3 0.6 162 454,359 0.059 100 14809 7 0.9 357 3,216 0.000 101 15755 6 0.9 160 140,749 0.009							
91 15008 4 0.8 283 58,911 0.018 92 365 7 0.5 363 257,489 0.013 93 82 3 0.8 356 219,839 0.009 94 15010 4 0.5 150 427,486 0.013 95 205 7 1.1 79 43,215 0.002 96 15085 8 1.2 127 222,202 0.005 97 494 7 0.8 97 32,281 0.004 98 14813 7 0.2 338 74,058 0.008 99 14150 3 0.6 162 454,359 0.059 100 14809 7 0.9 357 3,216 0.000 101 15755 6 0.9 160 140,749 0.009 102 386 7 0.4 131 61,360 0.007			THE R. P. LEWIS CO., LANSING, SALES				
92 365 7 0.5 363 257,489 0.013 93 82 3 0.8 356 219,839 0.009 94 15010 4 0.5 150 427,486 0.013 95 205 7 1.1 79 43,215 0.002 96 15085 8 1.2 127 222,202 0.005 97 494 7 0.8 97 32,281 0.004 98 14813 7 0.2 338 74,058 0.008 99 14150 3 0.6 162 454,359 0.059 100 14809 7 0.9 357 3,216 0.000 101 15755 6 0.9 160 140,749 0.009 102 386 7 0.4 131 61,360 0.007 103 15015 4 0.6 79 304,573 0.010		The same of the sa					
93 82 3 0.8 356 219,839 0.009 94 15010 4 0.5 150 427,486 0.013 95 205 7 1.1 79 43,215 0.002 96 15085 8 1.2 127 222,202 0.005 97 494 7 0.8 97 32,281 0.004 98 14813 7 0.2 338 74,058 0.008 99 14150 3 0.6 162 454,359 0.059 100 14809 7 0.9 357 3,216 0.000 101 15755 6 0.9 160 140,749 0.009 102 386 7 0.4 131 61,360 0.007 103 15015 4 0.6 79 304,573 0.010 104 14158 7 1.9 142 1,139 0.000 <tr< td=""><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td></tr<>	-						
94 15010 4 0.5 150 427,486 0.013 95 205 7 1.1 79 43,215 0.002 96 15085 8 1.2 127 222,202 0.005 97 494 7 0.8 97 32,281 0.004 98 14813 7 0.2 338 74,058 0.008 99 14150 3 0.6 162 454,359 0.059 100 14809 7 0.9 357 3,216 0.000 101 15755 6 0.9 160 140,749 0.009 102 386 7 0.4 131 61,360 0.007 103 15015 4 0.6 79 304,573 0.010 104 14158 7 1.9 142 1,139 0.000 105 383 7 0.6 127 47,662 0.007 <t< td=""><td></td><td></td><td></td><td></td><td>_</td><td></td><td></td></t<>					_		
95 205 7 1.1 79 43,215 0.002 96 15085 8 1.2 127 222,202 0.005 97 494 7 0.8 97 32,281 0.004 98 14813 7 0.2 338 74,058 0.008 99 14150 3 0.6 162 454,359 0.059 100 14809 7 0.9 357 3,216 0.000 101 15755 6 0.9 160 140,749 0.009 102 386 7 0.4 131 61,360 0.007 103 15015 4 0.6 79 304,573 0.010 104 14158 7 1.9 142 1,139 0.000 105 383 7 0.6 127 47,662 0.007 106 292 3 1.1 358 47,993 0.002							
96 15085 8 1.2 127 222,202 0.005 97 494 7 0.8 97 32,281 0.004 98 14813 7 0.2 338 74,058 0.008 99 14150 3 0.6 162 454,359 0.059 100 14809 7 0.9 357 3,216 0.000 101 15755 6 0.9 160 140,749 0.009 102 386 7 0.4 131 61,360 0.007 103 15015 4 0.6 79 304,573 0.010 104 14158 7 1.9 142 1,139 0.000 105 383 7 0.6 127 47,662 0.007 106 292 3 1.1 358 47,993 0.002 107 14752 8 0.6 117 160,979 0.005							
97 494 7 0.8 97 32,281 0.004 98 14813 7 0.2 338 74,058 0.008 99 14150 3 0.6 162 454,359 0.059 100 14809 7 0.9 357 3,216 0.000 101 15755 6 0.9 160 140,749 0.009 102 386 7 0.4 131 61,360 0.007 103 15015 4 0.6 79 304,573 0.010 104 14158 7 1.9 142 1,139 0.000 105 383 7 0.6 127 47,662 0.007 106 292 3 1.1 358 47,993 0.002 107 14752 8 0.6 117 160,979 0.005 108 14765 3 0.7 89 73,308 0.003		_					
98 14813 7 0.2 338 74,058 0.008 99 14150 3 0.6 162 454,359 0.059 100 14809 7 0.9 357 3,216 0.000 101 15755 6 0.9 160 140,749 0.009 102 386 7 0.4 131 61,360 0.007 103 15015 4 0.6 79 304,573 0.010 104 14158 7 1.9 142 1,139 0.000 105 383 7 0.6 127 47,662 0.007 106 292 3 1.1 358 47,993 0.002 107 14752 8 0.6 117 160,979 0.005 108 14765 3 0.7 89 73,308 0.003 109 15012 4 0.6 164 536,428 0.007							
99 14150 3 0.6 162 454,359 0.059 100 14809 7 0.9 357 3,216 0.000 101 15755 6 0.9 160 140,749 0.009 102 386 7 0.4 131 61,360 0.007 103 15015 4 0.6 79 304,573 0.010 104 14158 7 1.9 142 1,139 0.000 105 383 7 0.6 127 47,662 0.007 106 292 3 1.1 358 47,993 0.002 107 14752 8 0.6 117 160,979 0.005 108 14765 3 0.7 89 73,308 0.003 109 15012 4 0.6 164 536,428 0.007							
100 14809 7 0.9 357 3,216 0.000 101 15755 6 0.9 160 140,749 0.009 102 386 7 0.4 131 61,360 0.007 103 15015 4 0.6 79 304,573 0.010 104 14158 7 1.9 142 1,139 0.000 105 383 7 0.6 127 47,662 0.007 106 292 3 1.1 358 47,993 0.002 107 14752 8 0.6 117 160,979 0.005 108 14765 3 0.7 89 73,308 0.003 109 15012 4 0.6 164 536,428 0.007							
101 15755 6 0.9 160 140,749 0.009 102 386 7 0.4 131 61,360 0.007 103 15015 4 0.6 79 304,573 0.010 104 14158 7 1.9 142 1,139 0.000 105 383 7 0.6 127 47,662 0.007 106 292 3 1.1 358 47,993 0.002 107 14752 8 0.6 117 160,979 0.005 108 14765 3 0.7 89 73,308 0.003 109 15012 4 0.6 164 536,428 0.007							
102 386 7 0.4 131 61,360 0.007 103 15015 4 0.6 79 304,573 0.010 104 14158 7 1.9 142 1,139 0.000 105 383 7 0.6 127 47,662 0.007 106 292 3 1.1 358 47,993 0.002 107 14752 8 0.6 117 160,979 0.005 108 14765 3 0.7 89 73,308 0.003 109 15012 4 0.6 164 536,428 0.007							
103 15015 4 0.6 79 304,573 0.010 104 14158 7 1.9 142 1,139 0.000 105 383 7 0.6 127 47,662 0.007 106 292 3 1.1 358 47,993 0.002 107 14752 8 0.6 117 160,979 0.005 108 14765 3 0.7 89 73,308 0.003 109 15012 4 0.6 164 536,428 0.007							
104 14158 7 1.9 142 1,139 0.000 105 383 7 0.6 127 47,662 0.007 106 292 3 1.1 358 47,993 0.002 107 14752 8 0.6 117 160,979 0.005 108 14765 3 0.7 89 73,308 0.003 109 15012 4 0.6 164 536,428 0.007							
105 383 7 0.6 127 47,662 0.007 106 292 3 1.1 358 47,993 0.002 107 14752 8 0.6 117 160,979 0.005 108 14765 3 0.7 89 73,308 0.003 109 15012 4 0.6 164 536,428 0.007							
106 292 3 1.1 358 47,993 0.002 107 14752 8 0.6 117 160,979 0.005 108 14765 3 0.7 89 73,308 0.003 109 15012 4 0.6 164 536,428 0.007			THE RESERVE OF THE PERSON NAMED IN COLUMN 2 IS NOT THE PERSON NAME				
107 14752 8 0.6 117 160,979 0.005 108 14765 3 0.7 89 73,308 0.003 109 15012 4 0.6 164 536,428 0.007							
108 14765 3 0.7 89 73,308 0.003 109 15012 4 0.6 164 536,428 0.007							
109 15012 4 0.6 164 536,428 0.007							
	108	14765	3	0.7	89	73,308	0.003
110 366 7 0.4 144 70,629 0.005		15012	Name and Address of the Owner, where the Owner, while the	0.6	164		0.007
	110	366	7	0.4	144	70,629	0.005

	Feeder Ranking (SAIFI, SAIDI, CMI/\$)									
Rank	Feeder	Ward	SAIFI	SAIDI	CMI	CMI/\$				
111	14755	8	0.5	61	218,572	0.008				
112	380	7	0.6	568	357,152	0.006				
113	14806	7	0.3	55	111,012	0.015				
114	15198	4	0.2	246	412,458	0.011				
115	15867	3	0.7	87	113,857	0.005				
116	327	7	0.5	146	46,896	0.005				
117	367	7	0.5	142	73,429	0.007				
118	14718	8	1.1	175	351	0.000				
119	15947	3	0.9	106	6,974	0.001				
120	329	8	0.6	81	24,562	0.002				
121	167	7	0.7	120	69,532	0.005				
122	15756	6	0.8	91	82,046	0.006				
123	309	3	0.6	130	67,697	0.005				
124	14146	2	0.7	372	216,635	0.004				
125	14031	7	0.8	83	99,472	0.002				
126	14261	7	0.5	53	70,132	0.002				
127	244	7	1.0	381	139,746	0.004				
128	15165	8	0.3	34	44,666	0.016				
129	479	7	0.8	52	39,831	0.002				
130	349	7	0.2	62	36,100	0.006				
131	14145	3	0.4	64	179,270	0.006				
132	15006	4	0.4	105	260,824	0.006				
133	15175	8	0.6	54	99,657	0.004				
134	15016	4	0.6	81	160,483	0.004				
135	388	7	0.6	572	397,604	0.003				
136	120	8	0.3	65	38,336	0.004				
137	228	6	1.3	384	125,091	0.005				
138	178	8	0.8	96	16,187	0.001				
139	15007	4	0.3	206	57,760	0.006				
140	15169	8	0.7	53	53	0.000				
141	52	3	0.4	80	9,303	0.001				
142	491	4	0.7	333	78,904	0.004				
143	14812	7	0.3	67	14,369	0.002				
144	63	3	1.0	174	21,981	0.001				
145	14132	3	0.7	124	139,783	0.003				
146	15949	3	0.4	30	19,826	0.002				
147	14/13	6	0.8	194	620,195	0.011				
148	96	8	0.8	48	1,840	0.000				
149	181	3	0.5	224	57,221	0.001				
150	489	4	0.3	25	11,142	0.002				
151	345	7	0.6	138	48,960	0.003				
152	496	8	0.5	354	205,207	0.001				
153	15173	7	0.5	35	64,776	0.001				
154	476	4	0.8	78	27,494	0.001				
155	15631	8	0.1	68	68	0.001				
156	294	8	0.8 1.7	114	9,012	0.001				
157	66	4		189	46,586	0.004				
158	323	8	0.4	18	10,419	0.001				
159 160	183	8	0.2	45	47,763	0.004				
	324	8 5	0.3	60	15,107	0.001				
161	14017	7	0.3	74	170,431	0.002				
162	369		0.3	27	14,485	0.001				
163	14159	7	0.3	21	757	0.000				

	Feeder Ranking (SAIFI, SAIDI, CMI/\$)											
Rank	Feeder	Ward	SAIFI	SAIDI	CMI	CMI/\$						
164	14035	7	0.8	69	77,626	0.001						
165	15177	7	0.4	17	34,961	0.001						
166	387	7	0.1	18	14,764	0.001						
167	229	6	0.2	85	63,452	0.002						
168	413	3	0.7	178	13,864	0.000						
169	15950	3	0.2	7	2,811	0.000						
170	14021	5	0.7	212	8,699	0.000						
171	14811	7	0.2	22	98,619	0.002						
172	14054	4	0.6	231	349,197	0.002						
173	14716	7	0.3	5	2,158	0.000						
174	227	6	1.4	429	236,705	0.002						
175	14022	5	0.1	9	8,410	0.000						
176	60	3	0.1	17	2,177	0.000						
177	481	4	0.2	9	1,760	0.001						
178	14756	8	0.1	11	11	0.000						
179	14715	7	0.3	842	1,831,739	0.001						
180	14987	4	0.0	3	6,418	0.000						
181	14020	6	0.3	. 25	915	0.000						
182	15094	5	0.26	26	52,315	0.000						
183	14019	5	0.0	1	385	0.000						
184	15702	6	1.3	161	495,444	0.000						
185	14058	7	0.1	221	843,400	0.000						
186	119	8	0.0	4	1,705	0.000						
187	164	8	0.0	2	468	0.000						

APPENDIX B: Feeder Prioritization

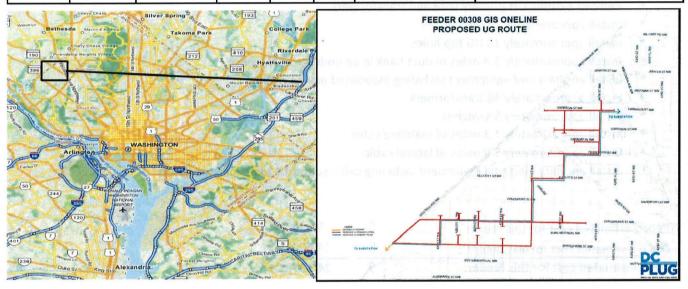
Feeder Prioritization (First Biennial Plan)

Feeder	Ranking	Ward	# Custs Served	Estimated Total Cost	Estimated Pepco Cost	Estimated DDOT Cost	Parallel Feeders	Intertie Feeders
308	3	3	595	\$ 24,137,205	\$ 9,636,937	\$ 14,500,269	144, 394	144
14758	4	8	2,165	\$ 21,607,749	\$ 10,451,583	10,451,583 \$ 11,156,166 14756, 14753		14755
14007	8	5	1,624	\$ 30,968,784	\$ 14,452,290	\$ 16,516,493	14015	14014, 14022, 14015
15009	9	4	1,406	\$ 31,842,466	\$ 15,295,367	\$ 16,547,099		15014, 15199, 15010
14900	16	4	1,371	\$ 7,127,322	\$ 3,031,502	\$ 4,095,820		
368	18	7	697	\$ 18,349,854	\$ 8,813,257	\$ 9,536,597	365, 387, 386, 369, 15130, 118	387
First Bie	nnial Plan To	tal:	7,858	\$ 134,033,381	\$ 61,680,937	\$ 72,352,444		

APPENDIX C: Feeder Description Summary Sheets

308

		Customers	Fee	der Mil	es		
Ward	Voltage	on Feeder	Total	ОН	UG	Neighborhood(s)	Description
3	4kV	595	4.734	75%	25%	American University Park, Friendship Heights	Feeder 00308 serves customers in vicinity of Brandywine Street, NW between Western Avenue, NW and 44th Street, NW and 44th Street, NW between Brandywine Street, NW and Harrison Street NW. Approximately 92% of customers are residential and 8% are commercial.



Cause	CI	% of Total CI	СМІ	% of Total CMI	SAIFI	SAIDI (Minutes)
Animal	0	0.026%	34	0.012%	0.000	ond sectors
Other 1 moitourizmon, noitouva	moo ii no .al 171	31.195%	11,269	3.918%	0.308	20
Equipment Failure	40	7.381%	16,221	5.639%	0.073	29
Tree	280	51.043%	233,420	81.146%	0.505	421
Weather	57	10.355%	26,712	9.286%	0.102	48

¹ Causes include vandalism, motor vehicle, load, foreign contact, employee and other causes

Future Load Projections

	Normal Capacity	Emergency Capacity	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Load (MVA)	4.6	Price 2.5 AVA	2.5	2.5	2.5	2.4	2.4	2.4	2.4	₹ 2.4	2.4	2.4

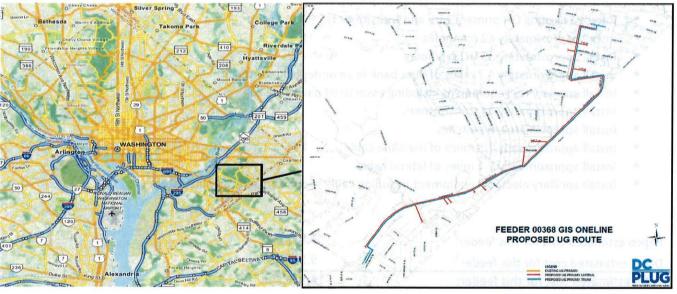
- Remove existing OH primary wire and transformers
- Install approximately 111 manholes
- Install approximately 18 UG tap holes
- Install approximately 5.4 miles of duct bank in an underground trench
- Install ancillary civil equipment including associated paving milling
- Install approximately 48 transformers
- Install approximately 5 switches
- Install approximately 1.3 miles of mainline cable
- Install approximately 5.9 miles of lateral cable
- Install ancillary electrical equipment including cable supports, joints and insulators

Total estimated cost for this feeder:	\$ 24,137,205
DDOT estimated cost for this feeder ³ :	\$ 14,500,269
Pepco estimated cost for this feeder ² :	\$ 9,636,937

² Estimate includes but is not limited to engineering, overhead, equipment, select materials, electrical construction, and overhead removal

³ Estimate includes but is not limited to engineering, overhead, select materials, civil construction, construction management, and program management

Ward	Voltage	Customers	Fee	der Mil	es		Doordination
vvara	Voltage	on Feeder	Total	ОН	UG	Neighborhood(s)	Description
7	4kV	697	3.891	96%	4%	Benning Ridge Fort Dupont Park, Dupont Park, Civic Betterment, Marshall Heights, Fort Davis	Feeder 00368 sserves customers in vicinity of Alabama Avenue, SE between R Street, SE and Bowen Road SE, Bowen Road, SE between Alabama Avenue, SE and Southern Avenue, SE and 51st Street, SE between C Street, SE and Fitch Street, SE. Approximately 86% of customers are residential and 14% are commercial.



Cause	CI	% of Total CI	СМІ	% of Total CMI	SAIFI	SAIDI (Minutes)
Animal	0	0.000%	ove anna o	0.000%	0.000	oni siamitz o
Other 1	45	5.523%	3,501	0.882%	0.071	semevo bino
Equipment Failure	218	26.603%	17,195	4.331%	0.344	27
Tree	263	32.125%	104,008	26.200%	0.416	164
Weather	293	35.749%	272,270	68.586%	0.462	429

¹ Causes include vandalism, motor vehicle, load, foreign contact, employee and other causes

Future Load Projections

nedslA Istomo	Normal Capacity	Emergency Capacity	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Load (MVA)	4.0	and S1st Street	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6

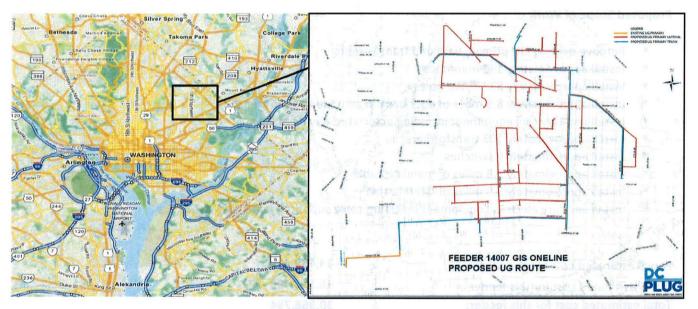
- Remove existing OH primary wire and transformers
- Install approximately 62 manholes
- Install approximately 35 UG tap holes
- Install approximately 4.7 miles of duct bank in an underground trench
- Install ancillary civil equipment including associated paving milling
- Install approximately 44 transformers
- Install approximately 6 switches
- Install approximately 2.5 miles of mainline cable
- Install approximately 2.1 miles of lateral cable
- Install ancillary electrical equipment including cable supports, joints and insulators

Total estimated cost for this feeder:	\$ 18,349,854
DDOT estimated cost for this feeder ³ :	\$ 9,536,597
Pepco estimated cost for this feeder ² :	\$ 8,813,257

² Estimate includes but is not limited to engineering, overhead, equipment, select materials, electrical construction, and overhead removal

³ Estimate includes but is not limited to engineering, overhead, select materials, civil construction, construction management, and program management

Mord	Ward Voltage	Customers	Feeder Miles			Neighborhood(s)	Description	
ward	voitage	on Feeder	Total	ОН	UG	Neignbornood(s)	Description	
0.50 5	13kV	1,624	8.059	91%	9%	Brookland Michigan Park Woodridge	Feeder 14007 serves customers between 14th Street and 25th Place from Webster Street to Lawrence Street. Approximately 73% of customers are residential and 27% are commercial.	



Cause	CI	% of Total CI	СМІ	% of Total CMI	SAIFI	SAIDI (Minutes)
Animal	300	9.816%	21,586	1.216%	0.200	14
Other ¹	531	17.379%	620,618	34.952%	0.353	413
Equipment Failure	32	1.038%	6,974	0.393%	0.021	5
Tree	985	32.219%	289,726	16.317%	0.655	193
Weather	1,209	39.548%	836,710	47.122%	0.804	557

Total	3,056	100%	1,775,613	100%	2.0	1,181

¹ Causes include vandalism, motor vehicle, load, foreign contact, employee and other causes

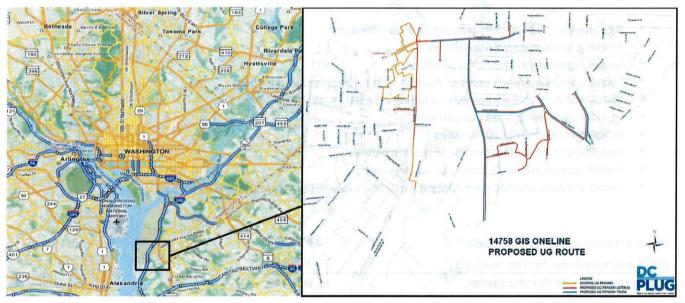
Future Load Projections

e manny Printeres	Normal Capacity	Emergency Capacity	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Load (MVA)	7.5	App 2.8 imatel are residentia	5.3	5.3	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.5

- Remove existing OH primary wire and transformers
- Install approximately 143 manholes
- Install approximately 57 UG tap holes
- Install approximately 8.9 miles of duct bank in an underground trench
- Install ancillary civil equipment including associated paving milling
- Install approximately 103 transformers
- Install approximately 9 switches
- Install approximately 2.8 miles of mainline cable
- Install approximately 9.5 miles of lateral cable
- Install ancillary electrical equipment including cable supports, joints and insulators

DDOT esti	Pepco estimated cost for this feeder ² : DDOT estimated cost for this feeder ³ :			14,452,290 16,516,493	3	
		ost for this feeder:	\$ nuary 2010 - p	30,968,784		

Ward	Valtaga	Voltage Customers Feeder Miles Neighborhood(s		Noighborhood(s)	Description			
vvaru	voitage	on Feeder	Total	ОН	UG	- Neighborhood(s)	Description	
8	13kV	2,165	10.084	66%	34%	Congress Heights, Joint Base Anacostia- Bolling, Washington Highlands, Bellevue	Feeder 14758 serves customers in vicinity of Joint Base Anacostia-Bolling. Between Beyer Road, SW and Livingston Road, SE from Chesapeake Street, SW to Joliet Street, SW. Approximately 93% of customers are residential and 7% are commercial.	



Average Annual Reliability Performance Indices (January 2010 - December 2016) - MSO Inclusive										
Cause	CI	% of Total CI	СМІ	% of Total CMI	SAIFI	SAIDI (Minutes)				
Animal	211	2.985%	36,141	3.020%	0.099	17				
Other ¹	705	9.964%	77,959	6.514%	0.331	37				
Equipment Failure	2,958	41.815%	168,492	14.078%	1.387	79				
Tree	2,540	35.908%	805,424	67.296%	1.191	378				
Weather	660	9.328%	108,828	9.093%	0.310	51				

Total	7,074	100%	1,196,844	100%	3.3	561

¹ Causes include vandalism, motor vehicle, load, foreign contact, employee and other causes

Future Load Projections

We si	Normal Capacity	Emergency Capacity	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Load (MVA)	8.0	10.0	6.7	6.7	6.7	6.8	6.8	6.9	6.9	7.0	7.0	7.1

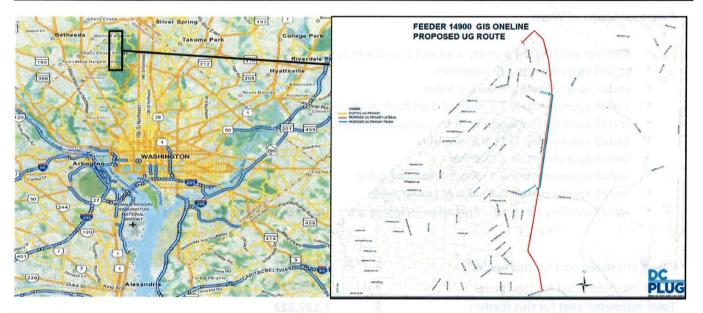
- Remove existing OH primary wire and transformers
- Install approximately 94 manholes
- Install approximately 33 UG tap holes
- Install approximately 5 miles of duct bank in an underground trench
- Install ancillary civil equipment including associated paving milling
- Install approximately 44 transformers
- Install approximately 10 switches
- Install approximately 1.6 miles of mainline cable
- Install approximately 6.2 miles of lateral cable
- Install ancillary electrical equipment including cable supports, joints and insulators

Total estimated cost for this feeder:	\$ 21,607,749
DDOT estimated cost for this feeder ³ :	\$ 11,156,166
Pepco estimated cost for this feeder ² :	\$ 10,451,583

² Estimate includes but is not limited to engineering, overhead, equipment, select materials, electrical construction, and overhead removal

³ Estimate includes but is not limited to engineering, overhead, select materials, civil construction, construction management, and program management

Ward Voltage	Voltage	Customers	Feeder Miles			Noighborbood(s)	Description 1
vvaru	Voltage	on Feeder	Total	ОН	UG	Neighborhood(s)	Description
350: 4	13kV	1,371	13.805	67%	33%	Hawthorne, Barnaby Woods, Chevy Chase, Friendship Heights	Feeder 14900 serves customers in vicinity of Oregon Avenue, NW between Military Road, NW and Western Avenue, NW. Approximately 97% of customers are residential and 3% are commercial.



Cause	CI	% of Total CI	СМІ	% of Total CMI	SAIFI	SAIDI (Minutes)
Animal	102	2.973%	14,225	1.484%	0.075	11
Other ¹	639	18.694%	42,104	4.393%	0.474	31
Equipment Failure	724	21.182%	63,069	6.580%	0.538	47
Tree	1,206	35.309%	710,180	74.093%	0.896	528
Weather	746	21.843%	128,920	13.450%	0.554	96

Total	3,416	100%	958,498	100%	2.5	712

¹ Causes include vandalism, motor vehicle, load, foreign contact, employee and other causes

Future Load Projections

Des W.	Normal Capacity	Emergency Capacity	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Load (MVA)	8.0	App.0.9 mater	7.4	7.5	7.6	7.9	8.0	8.0	6.2	6.3	6.6	6.6

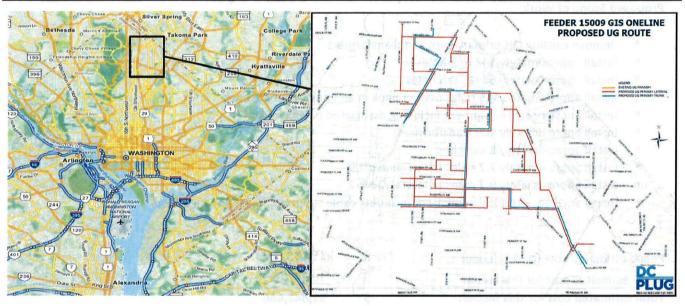
- Remove existing OH primary wire and transformers
- Install approximately 28 manholes
- Install approximately 8 UG tap holes
- Install approximately 2.4 miles of duct bank in an underground trench
- Install ancillary civil equipment including associated paving milling
- Install approximately 16 transformers
- Install approximately 2 switches
- Install approximately 0.4 miles of mainline cable
- Install approximately 2.8 miles of lateral cable
- Install ancillary electrical equipment including cable supports, joints and insulators

Total estimated cost for this feeder:	\$ 7,127,322
DDOT estimated cost for this feeder ³ :	\$ 4,095,820
Pepco estimated cost for this feeder ² :	\$ 3,031,502

² Estimate includes but is not limited to engineering, overhead, equipment, select materials, electrical construction, and overhead removal

³ Estimate includes but is not limited to engineering, overhead, select materials, civil construction, construction management, and program management

Mond	Valtaga	Customers	Fee	der Mil	es	Naishbaubaad(a)	Doowinston		
Ward Voltage	voitage	on Feeder	Total	ОН	UG	Neighborhood(s)	Description		
4	13kV	1,406	8.096	91%	9%	Takoma Park, Manor Park	Feeder 15009 services serves customers between Georgia Avenue, NW and Blair Road, NW from Dahlia Street, NW to Rittenhouse Street, NW. Approximately 95% of customers are residential and 5% are commercial.		



Average Annual Reliability Performance Indices (January 2010 - December 2016) - MSO Inclusive									
Cause	CI	% of Total CI	СМІ	% of Total CMI	SAIFI	SAIDI (Minutes)			
Animal	587	16.509%	65,188	7.526%	0.418	46			
Other ¹	552	15.509%	270,102	31.183%	0.393	192			
Equipment Failure	996	28.000%	91,290	10.539%	0.709	65			
Tree	627	17.629%	366,435	42.304%	0.447	261			
Weather	795	22.353%	73,173	8.448%	0.566	52			

Total	3,557	100%	866,187	100%	2.5	617

¹ Causes include vandalism, motor vehicle, load, foreign contact, employee and other causes

Future Load Projections

WH as	Normal Capacity	Emergency Capacity	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Load (MVA)	9.0	10.0	6.3	6.3	6.3	6.3	6.3	6.4	6.5	6.5	6.6	6.6

- Remove existing OH primary wire and transformers
- Install approximately 142 manholes
- Install approximately 68 UG tap holes
- Install approximately 8.9 miles of duct bank in an underground trench
- Install ancillary civil equipment including associated paving milling
- Install approximately 109 transformers
- Install approximately 8 switches
- Install approximately 2.7 miles of mainline cable
- Install approximately 9.7 miles of lateral cable
- Install ancillary electrical equipment including cable supports, joints and insulators

Total estimated cost for this feeder:	\$ 31,842,466
DDOT estimated cost for this feeder ³ :	\$ 16,547,099
Pepco estimated cost for this feeder ² :	\$ 15,295,367

² Estimate includes but is not limited to engineering, overhead, equipment, select materials, electrical construction, and overhead removal

³ Estimate includes but is not limited to engineering, overhead, select materials, civil construction, construction management, and program management

APPENDIX D: Feeder Locations and One-Line Drawings

See Oversized Tubes Provided

APPENDIX E: Existing Overhead Electrical Schematics

See Oversized Tubes Provided

APPENDIX F: Preliminary Electrical Schematics

See Oversized Tubes Provided

APPENDIX G: Preliminary Civil Schematics

See Oversized Tubes Provided

DISTRICT OF COLUMBIA FORMAL CASE NO. 1145

APPENDIX H CONFIDENTIAL

ITEMIZED COST ESTIMATES APPENDIX I: Revenue Requirement

Potomac Electric Power Company - District of Colum Distribution System Undergrounding Projects First Biennial Plan	nbia			2018 Year 1		2019 Year 2
Rate Base:				10011		TOULE
Gross Plant			\$	-	\$	12,541,908
Accumulated Depreciation			\$	-	\$	109,625
Deferred Tax Asset Deferred Tax Liability			\$	-	\$	(19,191)
Net Rate Base			\$		\$ \$	1,400,022 11,051,452
						11,001,102
Operating Income:						
Operation & Maintenance			\$	1,229,278	\$	906,028
Amortization of deferred costs			\$	2,761,432	\$	-
Depreciation Subtotal			\$ \$ \$ \$ \$ \$ \$ \$	3,990,710	<u>\$</u> \$	109,625
SIT-Current			\$	(101,415)		1,015,653 (126,996)
FIT-Current			\$	(394,752)		(1,749,903)
Deferred Taxes			\$	(1,114,583)		1,400,022
Required Operating Income			\$	2,379,959	\$	538,776
Return Required Revenue Requirement			\$	2 000 740	\$	422,718
Revenue Requirement			D	3,990,710	\$	1,612,230
Income Statement Check Revenue			\$	3,990,710	\$	1,612,230
Oper. & Maint.			\$	1,229,278	\$	906,028
Depreciation & Amortization				2,761,432	\$	109,625
Other Taxes			\$ \$ \$	-	\$	=
Interest Expense				-	\$	167,430
Net income before Taxes			\$	-	\$	429,148
Income Tax - Current - State			\$	227,818	\$	6,013
Income Tax - Current - Federal			\$	886,765	\$	(1,232,175)
Income Tax - Deferred			\$	(1,114,583)		1,400,022
Earnings			\$	-	\$	255,289
Return on Equity per WACC			\$	-	\$	255,289
MACRS - Federal (Includes Bonus Depreciation)			\$	_	\$	4,053,260
MACRS - State (Excludes Bonus Depreciation)			\$	-	\$	465,891
					•	
CALCULATION OF DEFERRED INCOME TAX LIABILIT	<u>Y:</u>					
FEDERAL:						
Plus: Book Depreciation of AFUDC-Equity				-		1,597
Book Depreciation (Less Book Depr on AFUDC-Equity)			\$	-	\$	108,028
State Deferred Income Taxes (from below) Tax Depreciation				-		29,524
Net Temporary Differences (Before NOLC)						(4,053,260) (3,915,708)
Deferred Income Taxes @		35.00000%		-		(1,370,498)
Cumulative Deferred Income Tax Liability				-		(1,370,498)
STATE:						
OTATE:						
Plus: Book Depreciation of AFUDC-Equity				-		1,597
Book Depreciation (Less Book Depr on AFUDC-Equity)			\$	-	\$	108,028
Tax Depreciation		9				(465,891)
Net Temporary Differences (Before NOLC) Deferred Income Taxes @		8.25000%				(357,863)
Cumulative Deferred Income Tax Liability		0.2000076				(29,524)
•						,,,
	Check					-
Effective Tay Bate Cheeks						
Effective Tax Rate Check: Pre-tax Book Income			\$	9001.	\$	400 440
Plus: Book Depreciation of AFUDC-Equity			Ψ	-	Ψ	429,148 1,597
Book Taxable Income/(Loss)			\$	-	\$	430,745
Calculated Income Tax Expense				-		173,860
Tax Expense as a Percentage of BTI				0.0000%		40.3626%
Expected Statutory Combined Income Tax Rate				0.0000%		40.3625%

APPENDIX J: Rate Design

Potomac Electric Power Company - District of Columbia Year 1 Distribution Undergrounding Charge Rate Design Based on FC 1103 Order No. 17424

Distribution Demand/Energy Revenue Requirements	Year	1 TOTAL	Residential	RAD	RTM		RES - A E		*GS-ND		GS-D-LV	GS-3A	GT-LV	GT-3A		GT-3B		RT	s∟∕⊤s	11	TN
Total Authorized Base Revenue Requirement	\$	333,943,208 \$	56,431,472 \$	802,185	\$ 884,72	9 \$	13,569,517	\$	12,694,826	\$	33,553,959	\$ 53,838	\$ 160,518,514	\$ 46,619,57	0 \$	448,743	\$ 6,4	442,548	\$ 1,845,040	\$	78,265
Authorized Demand/Energy Charge Recovery	\$	272,658,959 \$	23,982,584 \$		\$ 799,30	2 \$	5,619,801	\$	8,738,904	\$	31,767,790	\$ 39,205	\$ 147,804,194	\$ 46,351,69	8 \$	435,131	\$ 6,4	442,548	\$ 637,468	\$	40,333
Distribution Undergrounding Revenue Requirement	\$	3,990,710	8.80%	0.00%	0.29	9%	2.06%		3.21%		11.65%	0.01%	54.21%	17.00	%	0.16%		2.36%	0.23%		0.01%
Rate Class Revenue Requirement	\$	- \$	351,016 \$	-	\$ 11,69	9 \$	82,253	\$	127,905	\$	464,962	\$ 574	\$ 2,163,302	\$ 678,41	6 \$	6,369	\$	94,295	\$ 9,330	\$	590
Class Billing Determinants and Rate Calculation Forecasted Sales (kWh) Energy (\$/kWhr)			1,700,498,008 \$0.00021	\$0.00000	18,264,96 \$0.000		498,820,003 \$0.00016	32	24,657,550 \$0.00039	e	\$15,267,471 \$0.00076	1,495,801 \$0.00038	4,614,489,054 \$0.00047	2,437,965,31 \$0.0002		237,220,514 \$0.00003		417,440 50.00029	89,477,428 \$0.00010		2,605,837 \$0.00023
Percentage Increase in Distribution Revenue			0.6%	0.0%	1.3	3%	0.6%		1.0%		1.4%	1.1%	1.3%	1.5	%	1.4%		1.5%	0.5%		0.8%

^{**} GS-ND (Includes Temporary Service Schedule T)

Potomac Electric Power Company - District of Columbia Year 1 Distribution Undergrounding Charge Rate Design Based on FC 1103 Order No. 17424

sase	d on FC 1103 Order No. 1/424 Distribution Demand/Energy Revenue Requirements	Year	2 TOTAL	Residential	RAD	RTM	RES - A E	**GS-ND	GS-D-LV	GS-3A	GT-LV	GT-3A	GT-3B	RT	SL/TS	TN
	Total Authorized Base Revenue Requirement	\$	333,943,208 \$	56,431,472 \$	802,185 \$	884,729	\$ 13,569,517	\$ 12,694,826	\$ 33,553,959 \$	53,838	\$ 160,518,514	\$ 46,619,570	\$ 448,743 \$	6,442,548	\$ 1,845,040	\$ 78,265
	Authorized Demand/Energy Charge Recovery	\$	272,658,959 \$	23,982,584 \$	- \$	799,302	\$ 5,619,801	\$ 8,738,904	\$ 31,767,790 \$	39,205	\$ 147,804,194	\$ 46,351,698	\$ 435,131 \$	6,442,548	\$ 637,468	\$ 40,333
	Distribution Undergrounding Revenue Requirement	\$	1,612,230	8.8%	0.0%	0.3%	2.1%	3.2%	11.7%	0.0%	54.2%	17.0%	0.2%	2.4%	0.2%	0.0%
	Rate Class Revenue Requirement	\$	- \$	141,809 \$	- \$	4,726	\$ 33,230	\$ 51,673	\$ 187,843 \$	232	\$ 873,965	\$ 274,077	\$ 2,573 \$	38,095	\$ 3,769	\$ 238
	Class Billing Determinants and Rate Calculation Forecasted Sales (kWh) Energy (\$/kWhr)			1,682,274,195 \$0.00008	\$0.00000	17,976,740 \$0.00026	523,124,818 \$0.00006	323,871,458 \$0.00016	613,806,237 \$0.00031	1,492,355 \$0.00016	4,603,462,990 \$0.00019	2,432,233,761 \$0.00011	236,657,968 \$0.00001	325,912,550 \$0.00012	89,495,085 \$0.00004	2,599,607 \$0.00009
	Percentage Increase in Distribution Revenue			0.3%	0.0%	0.5%	0.2%	0.4%	0.6%	0.4%	0.5%	0.6%	0.6%	0.6%	0.2%	0.3%

^{**} GS-ND (Includes Temporary Service Schedule T)

Potomac Electric Power Company - District of Columbia Underground Rider - Rate Design - Year 1 Based on FC 1103 Order No. 17424

	TOTAL	Residential	RAD	RTM	RES - A E	**GS-ND	GS-D-LV	GS-3A	GT-LV	GT-3A	GT-3B	RT	SL/TS	TN
Total Authorized Base Revenue Requirement	\$333,943,208	\$ 56,431,472	\$802,185	\$ 884,729	\$13,569,517	\$12,694,826	\$33,553,959	\$ 53,838	\$ 160,518,514	\$ 46,619,570	\$ 448,743	\$ 6,442,548	\$1,845,040	\$ 78,265
Authorized Demand/Energy Charge Recovery	\$272,658,959	\$ 23,982,584	\$ -	\$ 799,302	\$ 5,619,801	\$ 8,738,904	\$31,767,790	\$ 39,205	\$ 147,804,194	\$ 46,351,698	\$ 435,131	\$ 6,442,548	\$ 637,468	\$ 40,333
Distribution Undergrounding Revenue Requirement	\$ 30,000,000	8.80%	0.00%	0.29%	2.06%	3.21%	11.65%	0.01%	54.21%	17.00%	0.16%	2.36%	0.23%	0.01%
Rate Class Revenue Requirement	\$ -	\$ 2,638,745	\$ -	\$ 87,945	\$ 618,333	\$ 961,520	\$ 3,495,332	\$ 4,314	\$ 16,262,535	\$ 5,099,964	\$ 47,876	\$ 708,858	\$ 70,139	\$ 4,438
Class Billing Determinants and Rate Calculation Forecasted Sales (kWh) Energy (\$/kWhr)		1,700,498,008 \$0.00155	\$0.00000	18,264,962 \$0.00481	498,820,003 \$0.00124	324,657,550 \$0.00296	615,267,471 \$0.00568	1,495,801 \$0.00288	4,614,489,054 \$0.00352	2,437,965,317 \$0.00209	237,220,514 \$0.00020	325,417,440 \$0.00218	89,477,428 \$0.00078	2,605,837 \$0.00170
Percentage Increase in Distribution Revenue		4.7%	0.0%	9.9%	4.6%	7.6%	10.4%	8.0%	10.1%	10.9%	10.7%	11.0%	3.8%	5.7%

^{**} GS-ND (Includes Temporary Service Schedule T)

Potomac Electric Power Company - District of Columbia Underground Rider - Rate Design - Year 2 Based on FC 1103 Order No. 17424

	TOTAL	Residential	RAD	RTM	RES - A E	**GS-ND	GS-D-LV	GS-3A	GT-LV	GT-3A	GT-3B	RT	SL/TS	TN
Total Authorized Base Revenue Requirement	\$333,943,208	\$ 56,431,472	\$802,185	\$ 884,729	\$13,569,517	\$12,694,826	\$33,553,959	\$ 53,838	\$ 160,518,514	\$ 46,619,570	\$ 448,743	\$ 6,442,548	\$1,845,040	\$ 78,265
Authorized Demand/Energy Charge Recovery	\$272,658,959	\$ 23,982,584	\$ -	\$ 799,302	\$ 5,619,801	\$ 8,738,904	\$31,767,790	\$ 39,205	\$ 147,804,194	\$ 46,351,698	\$ 435,131	\$ 6,442,548	\$ 637,468	\$ 40,333
Distribution Undergrounding Revenue Requirement	\$ 30,000,000	8.8%	0.0%	0.3%	2.1%	3.2%	11.7%	0.0%	54.2%	17.0%	0.2%	2.4%	0.2%	0.0%
Rate Class Revenue Requirement	\$ -	\$ 2,638,745	\$ -	\$ 87,945	\$ 618,333	\$ 961,520	\$ 3,495,332	\$ 4,314	\$ 16,262,535	\$ 5,099,964	\$ 47,876	\$ 708,858	\$ 70,139	\$ 4,438
Class Billing Determinants and Rate Calculation Forecasted Sales (kWh) Energy (\$/kWhr)		1,682,274,195 \$0.00157	\$0.00000	17,976,740 \$0.00489	523,124,818 \$0.00118	323,871,458 \$0.00297	613,806,237 \$0.00569	1,492,355 \$0.00289	4,603,462,990 \$0.00353	2,432,233,761 \$0.00210	236,657,968 \$0.00020	325,912,550 \$0.00217	89,495,085 \$0.00078	2,599,607 \$0.00171
Percentage Increase in Distribution Revenue		4.7%	0.0%	9.9%	4.6%	7.6%	10.4%	8.0%	10.1%	10.9%	10.7%	11.0%	3.8%	5.7%

^{**} GS-ND (Includes Temporary Service Schedule T)

APPENDIX K: Rider "UPC" Tariff Sheets

UNDERGROUND PROJECT CHARGE RIDER "UPC"

AVAILABILITY

The Distribution Charges billed under the Schedules "R", "AE", "R-TM", "GS ND", "GS LV", "GS 3A", "T", "GT LV", "GT 3A", "GT 3B", "RT", "SL", "TS", and "TN" shall be subject to the Underground Project Charge as specified in the terms of this Rider UPC. Customers who take service under "Rider RAD – Residential Aid Discount" shall not be subject to Rider UPC.

The Underground Project Charge is intended to recover costs associated with work performed by Pepco to place underground certain electric power lines in the District of Columbia to be used by Pepco to provide electric distribution service in the District of Columbia.

Amounts payable with respect to Rider UPC (including any true-up of such amounts as described in "Adjustment to Charge" below) will be shown on customer bills as a separate line item "Underground Charge, Pepco".

DETERMINATION OF CHARGE

The Underground Project Charge will be based on revenue requirements calculated using projected annual expenditures and other authorized items and adjustments as follows:

- 1. Return on capital expenditures placed into service during the period at the authorized rate of return.
- 2. Recovery of capital expenditures placed into service during the period through depreciation expense.
- 3. Incremental operating and maintenance expenses and other authorized costs and charges.
- 4. Reconciliation of the deferred balance on an annual basis. (See "Adjustment to Charge")

MONTHLY CHARGES AND RATES:

Rate Schedule	<u>January 1, 2018</u>	
R	\$0.00021	per kWh
AE	\$0.00016	per kWh
RTM	\$0.00064	per kWh
GS ND	\$0.00039	per kWh
Т	\$0.00039	per kVVh
GS LV	\$0.00076	per kWh
GS 3A	\$0.00038	per kWh
GT LV	\$0.00047	per kWh
GT 3A	\$0.00028	per kWh
GT 3B	\$0.00003	per kWh
RT	\$0.00029	per kVVh
SL/TS	\$0.00010	per kVVh
TN	\$0.00023	per kWh

ADJUSTMENT TO CHARGE

The Company will file an update to the Underground Project Charge on or before April 1 of each year that Rider UPC is in effect. The update will include (1) forecasted expenditures for the calendar year in which the update is filed, and (2) a true-up of the UPC cost and collections for the prior calendar year. The true-up shall be difference between actual cost for the prior calendar year (based on actual capital expenditures, plant closings and depreciation expense, incremental operating and other authorizing costs and charges) and actual booked Underground Project Charge revenue. The true-up will be added to (for under-collection), and deducted from (for over-collection), the forecasted revenue requirement for the upcoming year.

Date of Issue: July 3, 2017 Date Effective: January 1, 2018

APPENDIX L: Underground Rider Tariff Sheets

DDOT UNDERGROUND ELECTRIC COMPANY INFRASTRUCTURE IMPROVEMENT CHARGE RECOVERY – UNDERGROUND RIDER

APPLICABILITY

The Distribution Charges billed under the Schedules "R", "AE", "R-TM", "GS ND", "GS LV", "GS 3A", "T", "GT LV", "GT 3A", "GT 3B", "RT", "SL", "TS", and "TN" shall be subject to the Underground Rider as specified in the terms of this Underground Rider. Customers who take service under "Rider RAD - Residential Aid Discount" shall not be subject to this Underground Rider.

The Underground Rider is intended to recover DDOT Underground Electric Company Infrastructure Improvement Charges imposed on Pepco to pay costs associated with work performed by the District Department of Transportation ("DDOT") to place underground certain electric power lines in the District of Columbia to be used by Pepco to provide electric distribution service in the District of Columbia.

Amounts payable with respect to the Underground Rider (including any true-up of such amounts as described in "Adjustment to Charge" below) will be included in the distribution energy charge on customer bills.

DETERMINATION OF CHARGE

Amounts payable with respect to the Underground Rider will be calculated based on the DDOT Underground Electric Company Infrastructure Improvement Charges imposed on Pepco in the applicable year.

MONTHLY CHARGES AND RATES:

Rate Schedule	January 1, 2018	
R	\$0.00155	per kWh
AE	\$0.00124	per kWh
RTM	\$0.00481	per kWh
GS ND	\$0.00296	per kWh
Т	\$0.00296	per kWh
GS LV	\$0.00568	per kWh
GS 3A	\$0.00288	per kWh
GT LV	\$0.00352	per kWh
GT 3A	\$0.00209	per kWh
GT 3B	\$0.00020	per kWh
RT	\$0.00218	per kWh
SL/TS	\$0.00078	per kWh
TN	\$0.00170	per kWh

ADJUSTMENT TO UNDERGROUND RIDER

The Company will file an update to true-up amounts collected with respect to the Underground Rider not more frequently than twice per calendar year. The true-up shall be the difference between DDOT Underground Electric Company Infrastructure Improvement Charges imposed on Pepco for the period for which the update is filed and actual amounts collected by Pepco through the Underground Rider for the corresponding period. The true-up will be added to (for under-collection) or deducted from (for over-collection) the revenue requirement for the applicable period and will be allocated to each distribution service customer class in the proportion to the customer classes' contribution to the under-collection or over-collection.

Date of Issue: July 3, 2017 Date Effective: January 1, 2018

APPENDIX M: Customer Bill Impact

POTOMAC ELECTRIC POWER COMPANY BILL IMPACT OF UNDERGROUND PROJECT CHARGE - YEAR 1 SCHEDULE "R" DISTRICT OF COLUMBIA

		RESENT SCH					SCHEDULE R		INCREASE							
KWH	\$ AMOUNT			WH	\$ AMOUN	T OF BILL	\$/K	WH	(\$)	(\$)	(%)	(%)	(\$)	(%)		
	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	ANNUAL	ANNUAL		
0	15.21	15.40	_	-	15.21	15.40	-	_	0.00	0.00	0.00%	0.00%	0.00	0.00%		
10	15.39	15.58	1.53900	1.55800	15.39	15.58	1.53900	1.55800	0.00	0.00	0.00%	0.00%	0.00	0.00%		
20	15.57	15.76	0.77850	0.78800	15.57	15.76	0.77850	0.78800	0.00	0.00	0.00%	0.00%	0.00	0.00%		
30	15.75	15.94	0.52500	0.53133	15.75	15.94	0.52500	0.53133	0.00	0.00	0.00%	0.00%	0.00	0.00%		
40	16.75	16.94	0.41875	0.42350	16.76	16.95	0.41900	0.42375	0.01	0.01	0.06%	0.06%	0.01	0.06%		
50	17.76	17.95	0.35520	0.35900	17.77	17.96	0.35540	0.35920	0.01	0.01	0.06%	0.06%	0.01	0.06%		
100	22.78	22.97	0.22780	0.22970	22.80	22.99	0.22800	0.22990	0.02	0.02	0.09%	0.09%	0.02	0.09%		
200	32.82	33.01	0.16410	0.16505	32.86	33.05	0.16430	0.16525	0.04	0.04	0.12%	0.12%	0.02	0.09%		
300	42.86	43.05	0.14287	0.14350	42.93	43.12	0.14310	0.14373	0.07	0.07	0.16%	0.16%	0.04	0.12%		
400	52.91	53.10	0.13228	0.13275	52.99	53.18	0.13248	0.13295	0.08	0.08	0.15%	0.15%	0.08	0.15%		
500	64.36	63.89	0.12872	0.12778	64.46	64.00	0.12892	0.12800	0.10	0.11	0.16%	0.17%	0.11	0.17%		
600	75.81	74.69	0.12635	0.12448	75.93	74.82	0.12655	0.12470	0.12	0.13	0.16%	0.17%	0.13	0.17%		
700	87.26	85.49	0.12466	0.12213	87.41	85.63	0.12487	0.12233	0.15	0.14	0.17%	0.16%	0.14	0.17%		
750	92.98	90.88	0.12397	0.12117	93.14	91.04	0.12419	0.12139	0.16	0.16	0.17%	0.18%	0.14	0.17%		
800	98.71	96.28	0.12339	0.12035	98.88	96.45	0.12360	0.12056	0.17	0.17	0.17%	0.18%	0.17	0.17%		
850	104.43	101.68	0.12286	0.11962	104.61	101.86	0.12307	0.11984	0.18	0.18	0.17%	0.18%	0.18	0.18%		
900	110.16	107.08	0.12240	0.11898	110.35	107.27	0.12261	0.11919	0.19	0.19	0.17%	0.18%	0.19	0.18%		
950	115.88	112.48	0.12198	0.11840	116.08	112.68	0.12219	0.11861	0.20	0.20	0.17%	0.18%	0.20	0.18%		
1,000	121.61	117.88	0.12161	0.11788	121.82	118.09	0.12182	0.11809	0.21	0.21	0.17%	0.18%	0.21	0.18%		
1,250	150.24	144.87	0.12019	0.11590	150.50	145.13	0.12040	0.11610	0.26	0.26	0.17%	0.18%	0.26	0.18%		
1,500	178.86	171.86	0.11924	0.11457	179.18	172.17	0.11945	0.11478	0.32	0.31	0.18%	0.18%	0.31	0.18%		
1,750	207.49	198.85	0.11857	0.11363	207.86	199.22	0.11878	0.11384	0.37	0.37	0.18%	0.19%	0.37	0.18%		
2,000	236.11	225.84	0.11806	0.11292	236.53	226.26	0.11827	0.11313	0.42	0.42	0.18%	0.19%	0.42	0.18%		
2,250	264.74	252.83	0.11766	0.11237	265.21	253.30	0.11787	0.11258	0.47	0.47	0.18%	0.19%	0.47	0.18%		
2,500	293.37	279.82	0.11735	0.11193	293.89	280.35	0.11756	0.11214	0.52	0.53	0.18%	0.19%	0.53	0.18%		
3,000	350.62	333.80	0.11687	0.11127	351.25	334.43	0.11708	0.11148	0.63	0.63	0.18%	0.19%	0.63	0.18%		
3,500	407.87	387.79	0.11653	0.11080	408.61	388.52	0.11675	0.11101	0.74	0.73	0.18%	0.19%	0.73	0.10%		
4,000	465.12	441.77	0.11628	0.11044	465.96	442.61	0.11649	0.11065	0.84	0.84	0.18%	0.19%	0.73	0.19%		
5,000	579.63	549.73	0.11593	0.10995	580.68	550.78	0.11614	0.11016	1.05	1.05	0.18%	0.19%	1.05	0.19%		

	PRES	SENT	PRO	POSED
BLOCK	SUMMER	WINTER	SUMMER	WINTER
* Customer &				
Minimum				
Charges	15.44	15.63	15.44	15.63
Next 370 kWh	0.09014	0.09014	0.09014	0.09014
Excess kWh	0.10421	0.09767	0.10421	0.09767
Surcharges	0.01030	0.01030	0.01051	0.01051

^{*} Includes Distribution Customer Charge, Generation Minimum Charge and Transmission Minimum Charge (Distribution Customer Charge includes the first 30 kWh of consumption at the initial block of volumetric rate)

675 0.00021 12

0.0046603

POTOMAC ELECTRIC POWER COMPANY BILL IMPACT OF LINDERGROUND PROJECT

BILL IMPACT OF UNDERGROUND PROJECT CHARGE - YEAR 1 SCHEDULE "AE"

DISTRICT OF COLUMBIA

	PF	RESENT SC	HEDULE AE		PROPOSED SCHEDULE AE			INCREASE						
KWH	\$ AMOUNT	OF BILL	\$/KV	VH	\$ AMOUN	T OF BILL	\$/K\	VH	(\$)	(\$)	(%)	(%)	(\$)	(%)
	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER		ANNUAL	ANNÚAL
0	15.18	15.33	-	-	15.18	15.33	-		0.00	0.00	0.00%	0.00%	0.00	0.00%
10	15.34	15.49	1.53400	1.54900	15.34	15.49	1.53400	1.54900	0.00	0.00	0.00%	0.00%	0.00	0.00%
20	15.51	15.66	0.77550	0.78300	15.51	15.66	0.77550	0.78300	0.00	0.00	0.00%	0.00%	0.00	0.00%
30	15.67	15.82	0.52233	0.52733	15.67	15.82	0.52233	0.52733	0.00	0.00	0.00%	0.00%	0.00	0.00%
40	16.56	16.76	0.41400	0.41900	16.57	16.77	0.41425	0.41925	0.01	0.01	0.06%	0.06%	0.01	0.06%
50	17.45	17.71	0.34900	0.35420	17.46	17.72	0.34920	0.35440	0.01	0.01	0.06%	0.06%	0.01	0.06%
100	21.92	22.43	0.21920	0.22430	21.93	22.44	0.21930	0.22440	0.01	0.01	0.05%	0.04%	0.01	0.05%
200	30.84	31.87	0.15420	0.15935	30.87	31.90	0.15435	0.15950	0.03	0.03	0.10%	0.09%	0.03	0.10%
300	39.76	41.31	0.13253	0.13770	39.81	41.36	0.13270	0.13787	0.05	0.05	0.13%	0.12%	0.05	0.12%
400	48.68	50.75	0.12170	0.12688	48.75	50.82	0.12188	0.12705	0.07	0.07	0.14%	0.14%	0.07	0.14%
500	59.18	60.71	0.11836	0.12142	59.26	60.79	0.11852	0.12158	0.08	0.08	0.14%	0.13%	0.08	0.13%
600	69.67	70.67	0.11612	0.11778	69.77	70.76	0.11628	0.11793	0.10	0.09	0.14%	0.13%	0.09	0.13%
80.00	Transaction Control													
700	80.17	80.63	0.11453	0.11519	80.28	80.74	0.11469	0.11534	0.11	0.11	0.14%	0.14%	0.11	0.14%
750	85.42	85.60	0.11389	0.11413	85.54	85.72	0.11405	0.11429	0.12	0.12	0.14%	0.14%	0.12	0.14%
800	90.67	90.58	0.11334	0.11323	90.79	90.71	0.11349	0.11339	0.12	0.13	0.13%	0.14%	0.13	0.14%
850	95.91	95.56	0.11284	0.11242	96.05	95.70	0.11300	0.11259	0.14	0.14	0.15%	0.15%	0.14	0.15%
900	101.16	100.54	0.11240	0.11171	101.31	100.69	0.11257	0.11188	0.15	0.15	0.15%	0.15%	0.15	0.15%
950	106.41	105.52	0.11201	0.11107	106.56	105.67	0.11217	0.11123	0.15	0.15	0.14%	0.14%	0.15	0.14%
1,000	111.66	110.50	0.11166	0.11050	111.82	110.66	0.11182	0.11066	0.16	0.16	0.14%	0.14%	0.16	0.14%
1,250	137.90	135.39	0.11032	0.10831	138.10	135.59	0.11048	0.10847	0.20	0.20	0.15%	0.15%	0.20	0.15%
1,500	164.14	160.29	0.10943	0.10686	164.38	160.53	0.10959	0.10702	0.24	0.24	0.15%	0.15%	0.24	0.15%
1,750	190.38	185.18	0.10879	0.10582	190.66	185.46	0.10895	0.10598	0.28	0.28	0.15%	0.15%	0.28	0.15%
2,000	216.62	210.08	0.10831	0.10504	216.94	210.40	0.10847	0.10520	0.32	0.32	0.15%	0.15%	0.32	0.15%
2,250	242.86	234.97	0.10794	0.10443	243.22	235.33	0.10810	0.10459	0.36	0.36	0.15%	0.15%	0.36	0.15%
2,500	269.10	259.87	0.10764	0.10395	269.50	260.27	0.10780	0.10411	0.40	0.40	0.15%	0.15%	0.40	0.15%
3,000	321.58	309.66	0.10719	0.10322	322.06	310.14	0.10735	0.10338	0.48	0.48	0.15%	0.16%	0.48	0.15%
3,500	374.06	359.45	0.10687	0.10270	374.62	360.01	0.10703	0.10286	0.56	0.56	0.15%	0.16%	0.56	0.15%
4,000	426.54	409.24	0.10664	0.10231	427.18	409.88	0.10680	0.10247	0.64	0.64	0.15%	0.16%	0.64	0.15%
5,000	531.49	508.82	0.10630	0.10176	532.29	509.62	0.10646	0.10192	0.80	0.80	0.15%	0.16%	0.80	0.15%

	PRE	SENT	PROPOSED				
BLOCK	SUMMER	WINTER	SUMMER	WINTER			
* Customer & Minimum							
Charges	15.43	15.58	15.43	15.58			
Next 370 kWh	0.08112	0.08631	0.08112	0.08631			
Excess kWh	0.09686	0.09148	0.09686	0.09148			
Surcharges	0.00810	0.00810	0.00826	0.00826			

^{*} Includes Distribution Customer Charge, Generation Minimum Charge and Transmission Minimum Charge (Distribution Customer Charge includes the first 30 kWh of consumption at the initial block of volumetric rate)

POTOMAC ELECTRIC POWER COMPANY

BILL IMPACT OF UNDERGROUND PROJECT CHARGE - YEAR 1

SCHEDULE "R-TM"

DISTRICT OF COLUMBIA

PRESENT R-TM PROPOSED R-TM **INCREASE KWH** \$ AMOUNT OF BILL \$/KWH \$ AMOUNT OF BILL \$/KWH (\$) (\$) (%)(%) (\$) (%) SUMMER WINTER SUMMER WINTER SUMMER WINTER SUMMER WINTER SUMMER WINTER SUMMER WINTER ANNUAL ANNUAL 1,000 150.58 156.18 0.15058 0.15618 151.22 156.82 0.15122 0.15682 0.64 0.64 0.43% 0.41% 0.64 0.42% 1,500 225.52 217.11 0.14474 0.15035 218.07 226.48 0.14538 0.15099 0.96 0.96 0.44% 0.43% 0.96 0.43% 2,000 283.64 294.85 0.14182 0.14743 284.92 296.13 0.14246 0.14807 1.28 1.28 0.45% 0.43% 1.28 0.44% 2.500 350.16 364.18 0.14006 0.14567 351.76 365.78 0.14070 0.14631 1.60 1.60 0.46% 0.44% 1.60 0.45% 3,000 416.69 433.51 0.13890 0.14450 418.61 435.43 0.13954 0.14514 1.92 1.92 0.46% 0.44% 1.92 0.45% 3,500 483.22 502.85 0.13806 0.14367 485.46 505.09 0.13870 0.14431 2.24 2.24 0.46% 0.45% 2.24 0.45% 4,000 549.75 572.18 0.13744 0.14305 552.31 574.74 0.13808 0.14369 2.56 2.56 0.47% 0.45% 2.56 0.45% 4,500 616.28 641.51 0.13695 0.14256 619.16 644.39 0.13759 0.14320 2.88 2.88 0.47% 0.45% 2.88 0.46% 5,000 682.81 710.84 0.13656 0.14217 686.01 714.04 0.13720 0.14281 3.20 3.20 0.47% 0.45% 3.20 0.46% 5,500 749.34 780.17 0.13624 0.14185 752.86 783.69 0.13688 0.14249 3.52 3.52 0.47% 0.45% 3.52 0.46% 6,000 815.87 849.51 0.13598 0.14159 819.71 853.35 0.13662 0.14223 3.84 3.84 0.47% 0.45% 3.84 0.46% 6,500 882.40 918.84 0.13575 0.14136 886.56 923.00 0.13639 0.14200 4.16 4.16 0.47% 0.45% 4.16 0.46% 7,000 948.92 988.17 0.13556 0.14117 953.40 992.65 0.13620 0.14181 4.48 4.48 0.47% 0.45% 4.48 0.46% 7,500 1,015.45 1,057.50 0.13539 0.14100 4.80 1,020.25 1,062.30 0.13603 0.14164 4.80 0.47% 0.45% 4.80 0.46% 8,000 1,081.98 1,126.83 0.13525 0.14085 1,087.10 1,131.95 0.13589 0.14149 5.12 5.12 0.47% 0.45% 5.12 0.46% 8,500 1,148.51 1,196.17 0.13512 0.14073 1,153.95 1,201.61 0.13576 0.14137 5.44 5.44 0.47% 0.45% 5.44 0.46% 9,000 1,215.04 1,265.50 0.13500 0.14061 1,220.80 1,271.26 0.13564 0.14125 5.76 5.76 0.47% 0.46% 5.76 0.46% 9,500 1,281.57 1,334.83 0.13490 0.14051 1,287.65 0.13554 1,340.91 0.14115 6.08 6.08 0.47% 0.46% 6.08 0.46% 10,000 1,348.10 1,404.16 0.13481 0.14042 1.354.50 1,410.56 0.13545 0.14106 6.40 6.40 0.47% 0.46% 6.40 0.46% 11,000 1,481.16 1,542.83 0.13465 0.14026 1,488.20 1,549.87 0.13529 0.14090 7.04 7.04 0.48% 0.46% 7.04 0.46% 12,000 1,614.21 1.681.49 0.13452 0.14012 1,621.89 1,689.17 0.13516 0.14076 7.68 7.68 0.48% 0.46% 7.68 0.46% 13,000 1,747.27 1,820.16 0.13441 0.14001 1,755.59 1,828.48 0.13505 0.14065 8.32 8.32 0.48% 0.46% 8.32 0.46% 14,000 1,880.33 1,958.82 0.13431 0.13992 1,889.29 1,967.78 0.13495 0.14056 8.96 8.96 0.48% 0.46% 8.96 0.47% 15,000 2,013.39 0.13423 2,097.49 0.13983 2,022.99 2,107.09 0.13487 0.14047 9.60 9.60 0.48% 0.46% 9.60 0.47% 17,500 2,346.03 0.13406 0.13967 2,444.15 2,357.23 2,455.35 0.13470 0.14031 11.20 11.20 0.48% 0.46% 0.47% 11.20 20,000 0.13393 0.13954 2,678.68 2,790.81 2,691.48 2,803.61 0.13457 0.14018 12.80 12.80 0.48% 0.46% 0.47% 12.80 22,500 3.011.32 3.137.47 0.13384 0.13944 3.025.72 3,151.87 0.13448 0.14008 14.40 14.40 0.48% 0.46% 14.40 0.47% 25,000 3,343,97 3,484,13 0.13376 0.13937 3,359.97 3,500.13 0.13440 0.14001 16.00 16.00 0.48% 0.46% 16.00 0.47%

INVITIBIOTINDO HON				
	ON PK	INT	OF	FPK
ALL SUMMER HOURS USE	299	6	25%	46%
ALL WINTER HOURS USE	22%	6	25%	53%

KWH DISTRIBUTION

	PRESENT			PROPOSE	D
	SUMMER	WINTER		SUMMER	WINTER
CUSTOMER	17.52	17.52	CUSTOMER	17.52	17.52
ENERGY (kWh	1)		ENERGY (kW	/h)	
On Peak	0.12905	0.12810	On Peak	0.12905	0.12810
Intermediate	0.11885	0.12706	Intermediat	0.11885	0.12706
Off Peak	0.11474	0.12373	Off Peak	0.11474	0.12373
Surcharges	0.01314	0.01314	Surcharges	0.01378	0.01378

Appendix M Page 3 of 40

POTOMAC ELECTRIC POWER COMPANY

BILL IMPACT OF UNDERGROUND PROJECT CHARGE - YEAR 1

SCHEDULE "GS ND"

DISTRICT OF COLUMBIA

PRESENTGS ND PROPOSED GS_ND **INCREASE KWH** \$ AMOUNT OF BILL \$/KWH \$ AMOUNT OF BILL \$/KWH (\$) (\$) (%) (\$) (%)(%) SUMMER WINTER SUMMER WINTER SUMMER WINTER SUMMER WINTER SUMMER WINTER SUMMER WINTER ANNUAL ANNUAL 0 23.39 23.39 23.39 23.39 0.00 0.00 0.00% 0.00% 0.00 0.00% 10 24.51 24.49 2.45100 2.44900 24.52 24.49 2.45200 2.44900 0.01 0.00 0.04% 0.00% 0.00 0.02% 20 25.63 25.59 1.28150 1.27950 25.64 25.60 1.28200 1.28000 0.01 0.01 0.04% 0.04% 0.01 0.04% 30 26.76 26.69 0.89200 0.88967 26.77 26.70 0.89233 0.89000 0.01 0.01 0.04% 0.04% 0.01 0.04% 40 27.88 27.79 0.69700 0.69475 27.89 27.81 0.69725 0.69525 0.01 0.02 0.04% 0.07% 0.02 0.06% 50 29.00 28.89 0.58000 0.57780 29.02 28.91 0.58040 0.57820 0.02 0.02 0.07% 0.07% 0.02 0.07% 100 34.61 34.40 0.34610 0.34400 34.65 34.44 0.34650 0.34440 0.04 0.04 0.12% 0.12% 0.04 0.12% 150 40.22 39.90 0.26813 0.26600 40.28 39.96 0.26853 0.26640 0.06 0.06 0.15% 0.15% 0.06 0.15% 200 45.83 45.41 0.22915 0.22705 45.90 45.48 0.22950 0.22740 0.07 0.07 0.15% 0.15% 0.07 0.15% 250 51.44 50.91 0.20576 0.20364 51.53 51.01 0.20612 0.20404 0.09 0.10 0.17% 0.20% 0.10 0.19% 300 57.04 0.19013 56.41 0.18803 57.16 56.53 0.19053 0.18843 0.12 0.12 0.21% 0.21% 0.12 0.21% 400 68.26 67.42 0.17065 0.16855 68.42 67.58 0.17105 0.16895 0.16 0.16 0.23% 0.24% 0.16 0.24% 500 79.48 78.43 0.15896 0.15686 79.68 78.63 0.15936 0.15726 0.20 0.20 0.25% 0.26% 0.20 0.25% 600 90.70 89.44 0.15117 0.14907 90.93 89.67 0.15155 0.14945 0.23 0.23 0.25% 0.26% 0.23 0.26% 700 101.92 100.45 0.14560 0.14350 102.19 100.72 0.14599 0.14389 0.27 0.27 0.26% 0.27% 0.27 0.27% 800 113.14 111.46 0.14143 0.13933 113.45 111.77 0.14181 0.13971 0.31 0.31 0.27% 0.28% 0.31 0.28% 900 124.35 122.46 0.13817 0.13607 124.70 122.81 0.13856 0.13646 0.35 0.35 0.28% 0.29% 0.35 0.28% 1,000 135.57 133.47 0.13557 0.13347 135.96 133.86 0.13596 0.13386 0.39 0.39 0.29% 0.29% 0.39 0.29% 1,250 163.62 160.99 0.13090 0.12879 164,10 161.48 0.13128 0.12918 0.48 0.49 0.29% 0.30% 0.49 0.30% 1,500 191.66 188.51 0.12777 0.12567 192.25 189.10 0.12817 0.12607 0.59 0.59 0.31% 0.31% 0.59 0.31% 1.750 219.71 216.03 0.12555 0.12345 220.39 216.72 0.12594 0.12384 0.68 0.69 0.31% 0.32% 0.69 0.32% 2,000 247.75 243.55 0.12388 0.12178 248.53 244.33 0.12427 0.12217 0.78 0.78 0.31% 0.32% 0.78 0.32% 2,500 303.84 298.59 0.12154 0.11944 304.82 299.57 0.12193 0.11983 0.98 0.98 0.32% 0.33% 0.98 0.33% 3.000 359.94 353.64 0.11998 0.11788 361.11 354.81 0.12037 0.11827 1.17 1.17 0.33% 0.33% 1.17 0.33% 3,500 416.03 408.68 0.11887 0.11677 417.39 410.04 0.11925 0.11715 1.36 1.36 0.33% 0.33% 1.36 0.33% 4.000 472.12 463.72 0.11803 0.11593 473.68 465.28 0.11842 0.11632 1.56 1.56 0.33% 0.34% 1.56 0.33% 5,000 584.30 573.80 0.11686 0.11476 586.25 575.75 0.11725 0.11515 1.95 1.95 0.33% 0.34% 1.95 0.34% 6.000 696.48 683.88 0.11608 0.11398 698.82 686.22 0.11647 0.11437 2.34 2.34 0.34% 0.34% 2.34 0.34%

	PRE	SENT	PROPO	SED
	SUMMER	WINTER	SUMMER	WINTER
CUSTOMER	23.39	23.39	23.39	23.39
ENERGY (kWh)				
All Kilowatt-hours	0.10888	0.10678	0.10888	0.10678
Surcharges	0.003302	0.003302	0.003692	0.00369

Appendix M Page 4 of 40

POTOMAC ELECTRIC POWER COMPANY

BILL IMPACT OF UNDERGROUND PROJECT CHARGE - YEAR 1

SCHEDULE "GS D LV" DISTRICT OF COLUMBIA Appendix M Page 5 of 40

-1011		COLUMBIA												
			PRESENT	GS_D_LV			PROPOSED	GS_D_LV				INCR	EASE	
KW	Hours I	KWH	\$ AMOUN		1.41.21.41.4	:WH	\$ AMOUN	T OF BILL	\$/KV	VH	(\$)	(\$)	(%)	(%)
			SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER
						1150 Doublest wat								
10	100	1000	195.07	192.48	0.19507	0.19248	195.83	193.24	0.19583	0.19324	0.76	0.76	0.39%	0.39%
	200	2000	317.74	312.56	0.15887	0.15628	319.26	314.08	0.15963	0.15704	1.52	1.52	0.48%	0.49%
	300	3000	440.40	432.63	0.14680	0.14421	442.68	434.91	0.14756	0.14497	2.28	2.28	0.52%	0.53%
	400	4000	563.06	552.70	0.14077	0.13818	566.10	555.74	0.14153	0.13894	3.04	3.04	0.54%	0.55%
	500	5000	685.73	672.78	0.13715	0.13456	689.53	676.58	0.13791	0.13532	3.80	3.80	0.55%	0.56%
	600	6000	808.39	792.85	0.13473	0.13214	812.95	797.41	0.13549	0.13290	4.56	4.56	0.56%	0.58%
0.5	400	0.500	447.00											
25	100	2,500	447.02	440.54	0.17881	0.17622	448.92	442.44	0.17957	0.17698	1.90	1.90	0.43%	0.43%
	200	5,000	753.68	740.73	0.15074	0.14815	757.48	744.53	0.15150	0.14891	3.80	3.80	0.50%	0.51%
	300	7,500	1,060.33	1,040.91	0.14138	0.13879	1,066.03	1,046.61	0.14214	0.13955	5.70	5.70	0.54%	0.55%
	400	10,000	1,366.99	1,341.09	0.13670	0.13411	1,374.59	1,348.69	0.13746	0.13487	7.60	7.60	0.56%	0.57%
	500	12,500	1,673.65	1,641.28	0.13389	0.13130	1,683.15	1,650.78	0.13465	0.13206	9.50	9.50	0.57%	0.58%
	600	15,000	1,980.31	1,941.46	0.13202	0.12943	1,991.71	1,952.86	0.13278	0.13019	11.40	11.40	0.58%	0.59%
50	100	5,000	866.93	853.98	0.47220	0.47000	070.70	057.70	0.47445	0.45450			5 10 100	
50	200	10,000			0.17339	0.17080	870.73	857.78	0.17415	0.17156	3.80	3.80	0.44%	0.44%
			1,480.24	1,454.34	0.14802	0.14543	1,487.84	1,461.94	0.14878	0.14619	7.60	7.60	0.51%	0.52%
	300	15,000	2,093.56	2,054.71	0.13957	0.13698	2,104.96	2,066.11	0.14033	0.13774	11.40	11.40	0.54%	0.55%
	400	20,000	2,706.87	2,655.07	0.13534	0.13275	2,722.07	2,670.27	0.13610	0.13351	15.20	15.20	0.56%	0.57%
	500	25,000	3,320.19	3,255.44	0.13281	0.13022	3,339.19	3,274.44	0.13357	0.13098	19.00	19.00	0.57%	0.58%
	600	30,000	3,933.51	3,855.81	0.13112	0.12853	3,956.31	3,878.61	0.13188	0.12929	22.80	22.80	0.58%	0.59%
75	100	7,500	1,286.83	1,267.41	0.17158	0.16899	1,292.53	1,273.11	0.17234	0.16975	5.70	5.70	0.44%	0.450/
, 0	200	15,000	2,206.81	2,167.96	0.14712	0.14453	2,218.21	2,179.36	0.14788	0.14529	11.40			0.45%
	300	22,500	3,126.78	3,068.51	0.13897	0.13638	3,143.88	3,085.61	0.13973	0.13714		11.40	0.52%	0.53%
	400	30,000	4,046.76	3,969.06	0.13489	0.13230	4,069.56	3,991.86			17.10	17.10	0.55%	0.56%
	500	37,500	4,966.73	4,869.60	0.13469	0.12986	4,995.23	4,898.10	0.13565	0.13306	22.80	22.80	0.56%	0.57%
	600	45,000	5,886.70	5,770.15	0.13245	0.12823	5,920.90	5,804.35	0.13321	0.13062	28.50	28.50	0.57%	0.59%
	000	70,000	0,000.70	5,770.15	0.13002	0.12023	5,920.90	5,604.55	0.13158	0.12899	34.20	34.20	0.58%	0.59%

	PRE	ESENT	PROPOSED			
	SUMMER	WINTER	SUMMER	WINTER		
CUSTOMER	27.11	27.11	27.11	27.11		
ENERGY (kWh)						
first 6000	0.11520	0.11261	0.11520	0.11261		
additional	0.11520	0.11261	0.11520	0.11261		
Surcharges	0.007463	0.0074632	0.008223	0.0082232		
DEMAND (kW)	4.53	4.53	4.53	4.53		

POTOMAC ELECTRIC POWER COMPANY BILL IMPACT OF UNDERGROUND PROJECT CHARGE - YEAR 1 SCHEDULE "GT LV" DISTRICT OF COLUMBIA

400 HOURS USE =

500 HOURS USE =

600 HOURS USE =

30%

27%

25%

26%

25%

24%

44%

48%

51%

HOURS		-		RESENT '				PROPOSED	'GT- LV'				INCRE	ASE	
USE	KWH	\$ AMOU	JNT C	F BILL	\$/KV	VΗ	\$ AMOUN	NT OF BILL	\$/	WH	-	(\$)	(\$)	(%)	(%)
		SUMMER	3	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER		SUMMER	WINTER	SUMMER	
							MAXIMUM A	ND ON PEAK	DEMAND =	100	KW				
200		3,349.51	1	3,353.61	0.16748	0.16768	3,358.91	3,363.01	0.16795	0.16815		9.40	9.40	0.28%	0.28%
300	30,000	4,272.36	3	4,329.68	0.14241	0.14432	4,286.46	4,343.78	0.14288	0.14479		14.10	14.10	0.33%	0.33%
400	40,000	5,164.13	3	5,298.09	0.12910	0.13245	5,182.93	5,316.89	0.12957	0.13292		18.80	18.80		0.35%
500		6,043.00)	6,262.77	0.12086	0.12526	6,066.50	6,286.27	0.12133	0.12573		23.50	23.50	0.39%	0.38%
600	60,000	6,920.61		7,226.58	0.11534	0.12044	6,948.81	7,254.78	0.11581	0.12091		28.20	28.20	0.41%	0.39%
										300	KW				
200	60,000	9,290.46	6	9,302.77	0.15484	0.15505	9,318.66	9,330.97	0.15531	0.15552		28.20	28.20	0.30%	0.30%
300	90,000	12,059.00		12,230.96	0.13399	0.13590	12,101.30	12,273.26	0.13446	0.13637		42.30	42.30	0.35%	0.35%
400	120,000	14,734.32	2	15,136.21	0.12279	0.12614	14,790.72	15,192.61	0.12326	0.12661		56.40	56.40	0.38%	0.37%
500	150,000	17,370.93	3	18,030.24	0.11581	0.12020	17,441.43	18,100.74	0.11628	0.12067		70.50	70.50	0.41%	0.39%
600	180,000	20,003.77	,	20,921.66	0.11113	0.11623	20,088.37	21,006.26	0.11160	0.11670		84.60	84.60	0.42%	0.40%
										500	LOM				
200	100,000	15,231.40	١	15,251.93	0.15231	0.15252	1E 270 40	45 000 00	0.45070		KW	47.00	47.00		
300	150,000	19,845.64		20,132.25	0.13231	0.13422	15,278.40	15,298.93	0.15278	0.15299		47.00	47.00	0.31%	0.31%
400	200,000	24,304.51		24,974.32	0.13230	0.13422	19,916.14	20,202.75	0.13277	0.13469		70.50	70.50	0.36%	0.35%
500	250,000	28,698.86		29,797.71	0.12132	0.12467	24,398.51	25,068.32	0.12199	0.12534		94.00	94.00	0.39%	0.38%
600	300,000	33,086.93		34,616.74	0.11460		28,816.36	29,915.21	0.11527	0.11966		117.50	117.50	0.41%	0.39%
000	300,000	33,066.93)	34,010.74	0.11029	0.11539	33,227.93	34,757.74	0.11076	0.11586		141.00	141.00	0.43%	0.41%
										1,000	KW				
200	200,000	30,083.77		30,124.83	0.15042	0.15062	30,177.77	30,218.83	0.15089	0.15109		94.00	94.00	0.31%	0.31%
300	300,000	39,312.24		39,885.46	0.13104	0.13295	39,453.24	40,026.46	0.13151	0.13342		141.00	141.00	0.36%	0.35%
400	400,000	48,229.99		49,569.61	0.12057	0.12392	48,417.99	49,757.61	0.12104	0.12439		188.00	188.00	0.39%	0.38%
500	500,000	57,018.68		59,216.38	0.11404	0.11843	57,253.68	59,451.38	0.11451	0.11890		235.00	235.00	0.41%	0.40%
600	600,000	65,794.83		68,854.45	0.10966	0.11476	66,076.83	69,136.45	0.11013	0.11523		282.00	282.00	0.43%	0.41%
KWH	DISTRIBUTION								PRESENT				PROPOSED		
		ON PK	INT		OFF PK								o. COLD		
200	HOURS USE =	31%		29%	40%				SUMMER	WINTER			SUMMER	WINTER	
300	HOURS USE =	33%		27%	40%			CUSTOMER	379.03	379.03		CUSTOMER	379.03	379.03	
				120 2000	151000000				0.0.00	0.0.00	1	JOO I OINLIN	0,0.00	010.00	

	PRESENT		PROPOSED
	SUMMER	WINTER	SUMMER WINTER
CUSTOMER	379.03	379.03	CUSTOMER 379.03 379.03
DEMAND (kW)			DEMAND (kW)
On Peak	1.1759	0.0000	On Peak 1.1759 0.0000
Maximum	10.2297	10.2297	Maximum 10.2297 10.2297
ENERGY (kWh	1)		ENERGY (kWh)
On Peak	0.08644	0.08298	On Peak 0.08644 0.08298
Int Peak	0.07329	0.08255	Int Peak 0.07329 0.08255
Off Peak	0.06702	0.07820	Off Peak 0.06702 0.07820
SURCHARGE	0.01664	0.01664	SURCHARGI 0.01711 0.01711

POTOMAC ELECTRIC POWER COMPANY BILL IMPACT OF UNDERGROUND PROJECT CHARGE - YEAR 1 SCHEDULE "GT LV" DISTRICT OF COLUMBIA

HOURS			PRESENT 'G	ST-LV'		PROPOSED 'GT- LV' INCREASE								
USE	KWH	\$ AMOU	NT OF BILL	\$/KV	VΗ	\$ AMOU	NT OF BILL	\$/	(WH		(\$)	(\$)	(%)	(%)
		SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER			SUMMER	WINTER	SUMMER	
						BA A VIBALIBA A	ND ON PEAK D	EMAND -	0.000	LCIAL				
200	400,000	59,788.51	59,870.63	0.14947	0.14968	59,976.51			2,000	K WV	100.00			
300	20120-041 (10130306) (78,245.45	79,391.89	0.13041	0.13232	78,527.45	60,058.63	0.14994	0.15015		188.00	188.00	0.31%	0.31%
400		96,080.95	98,760.19	0.12010	0.13232			0.13088	0.13279		282.00	282.00	0.36%	0.36%
500		113,658.33	118,053.73	0.12010		96,456.95		0.12057	0.12392		376.00	376.00	0.39%	0.38%
600		131,210.63	137,329.87		0.11805	114,128.33	118,523.73	0.11413	0.11852		470.00	470.00	0.41%	0.40%
000	1,200,000	131,210.63	137,329.87	0.10934	0.11444	131,774.63	137,893.87	0.10981	0.11491		564.00	564.00	0.43%	0.41%
									4,000	KW				
200		119,197.99	119,362.23	0.14900	0.14920	119,573.99	119,738.23	0.14947	0.14967		376.00	376.00	0.32%	0.32%
300	1,200,000	156,111.87	158,404.75	0.13009	0.13200	156,675.87	158,968.75	0.13056	0.13247		564.00	564.00	0.36%	0.36%
400	1,600,000	191,782.87	197,141.35	0.11986	0.12321	192,534.87	197,893.35	0.12033	0.12368		752.00	752.00	0.39%	0.38%
500	2,000,000	226,937.63	235,728.43	0.11347	0.11786	227,877.63	236,668.43	0.11394	0.11833		940.00	940.00	0.41%	0.40%
600	2,400,000	262,042.23	274,280.71	0.10918	0.11428	263,170.23	275,408.71	0.10965	0.11475		1,128.00	1,128.00	0.43%	0.41%
200	1,200,000	470 007 47	470.050.00	0.44004	0.44004	400 404 40			6,000	KW				
		178,607.47	178,853.83	0.14884	0.14904	179,171.47	179,417.83	0.14931	0.14951		564.00	564.00	0.32%	0.32%
300		233,978.29	237,417.61	0.12999	0.13190	234,824.29	238,263.61	0.13046	0.13237		846.00	846.00	0.36%	0.36%
400		287,484.79	295,522.51	0.11979	0.12313	288,612.79	296,650.51	0.12026	0.12360		1,128.00	1,128.00	0.39%	0.38%
500		340,216.93	353,403.13	0.11341	0.11780	341,626.93	354,813.13	0.11388	0.11827		1,410.00	1,410.00	0.41%	0.40%
600	3,600,000	392,873.83	411,231.55	0.10913	0.11423	394,565.83	412,923.55	0.10960	0.11470		1,692.00	1,692.00	0.43%	0.41%
									8,000	ĸw				
200	1,600,000	238,016.95	238,345.43	0.14876	0.14897	238,768.95	239,097.43	0.14923	0.14944		752.00	752.00	0.32%	0.32%
300	2,400,000	311,844.71	316,430.47	0.12994	0.13185	312,972.71	317,558.47	0.13041	0.13232		1,128.00	1,128.00	0.36%	0.36%
400	3,200,000	383,186.71	393,903.67	0.11975	0.12309	384,690.71	395,407.67	0.12022	0.12356		1,504.00	1,504.00	0.39%	0.38%
500		453,496.23	471,077.83	0.11337	0.11777	455,376.23	472,957.83	0.11384	0.11824		1,880.00	1,880.00	0.39%	0.40%
600	4,800,000	523,705.43	548,182.39	0.10911	0.11420	525,961.43	550,438.39	0.10958	0.11467		2,256.00	2,256.00	0.41%	0.41%
10.401								1000 00 00 000 000	mosessia promerve		,	_,	0.1070	0.1170
KVVH	DISTRIBUTION	ON PK	INT	OFF DIV				PRESENT			F	PROPOSED		
200	HOURS USE =	31%	29%	OFF PK				0						
	HOURS USE =	33%	29% 27%	40%			Comment of the Commen	SUMMER	200000000000000000000000000000000000000		The second control of		WINTER	
	HOURS USE =	30%		40%			CUSTOMER	379.03	379.03		CUSTOMER	379.03	379.03	
	HOURS USE =	27%	26%	44%			DEMAND (kW)		ed var weeren		DEMAND (kW)			
	HOURS USE =		25%	48%			On Peak	1.1759	0.0000		On Peak	1.1759	0.0000	
000	HOURS USE -	25%	24%	51%			Maximum	10.2297	10.2297		Maximum	10.2297	10.2297	
							ENERGY (kWr	,			ENERGY (kWh	•		
							On Peak	0.08644	0.08298		On Peak	0.08644	0.08298	
							Int Peak	0.07329	0.08255		Int Peak	0.07329	0.08255	
							Off Peak	0.06702	0.07820		Off Peak	0.06702	0.07820	
							SURCHARGE	0.01664	0.01664		SURCHARGI	0.01711	0.01711	

Appendix M Page 8 of 40

POTOMAC ELECTRIC POWER COMPANY BILL IMPACT OF UNDERGROUND PROJECT CHARGE - YEAR 1 SCHEDULE "GT 3A" DISTRICT OF COLUMBIA

HOURS			PRESENT 'G		PROPOSED 'GT- 3A' INCREASE									
USE	KWH		NT OF BILL	\$/K	ΛΉ	\$ AMOU	NT OF BILL	\$/}	(WH		(\$)	(\$)	(%)	(%)
		SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER		SUMMER	WINTER	SUMMER	WINTER
						MAXIMUM AN	ID ON PEAK DEN	MAND =	1,000	KW				
200	200,000	24,599.37	24,513.69	0.12300	0.12257	24,655.37	24,569.69	0.12328	0.12285		56.00	56.00	0.23%	0.23%
300	300,000	32,776.44	33,146.38	0.10925	0.11049	32,860.44	33,230.38	0.10953	0.11077		84.00	84.00	0.26%	0.25%
400	400,000	40,592.07	41,648.35	0.10148	0.10412	40,704.07	41,760.35	0.10176	0.10440		112.00	112.00	0.28%	0.27%
500	500,000	48,255.48	50,088.78	0.09651	0.10018	48,395.48	50,228.78	0.09679	0.10046		140.00	140.00	0.29%	0.28%
600	600,000	55,902.21	58,516.69	0.09317	0.09753	56,070.21	58,684.69	0.09345	0.09781		168.00	168.00	0.30%	0.29%
									2,000	KW				
200	400,000	49,046.11	48,874.75	0.12262	0.12219	49,158.11	48,986.75	0.12290	0.12247		112.00	112.00	0.23%	0.23%
300	600,000	65,400.25	66,140.13	0.10900	0.11023	65,568.25	66,308.13	0.10928	0.11051		168.00	168.00	0.26%	0.25%
400	800,000	81,031.51	83,144.07	0.10129	0.10393	81,255.51	83,368.07	0.10157	0.10421		224.00	224.00	0.28%	0.27%
500	1,000,000	96,358.33	100,024.93	0.09636	0.10002	96,638.33	100,304.93	0.09664	0.10030		280.00	280.00	0.29%	0.28%
600	1,200,000	111,651.79	116,880.75	0.09304	0.09740	111,987.79	117,216.75	0.09332	0.09768		336.00	336.00	0.30%	0.29%
									5,000	ĸw				
200	1,000,000	122,386.33	121,957.93	0.12239	0.12196	122,666.33	122,237.93	0.12267	0.12224		280.00	280.00	0.23%	0.23%
300	1,500,000	163,271.68	165,121.38	0.10885	0.11008	163,691.68	165,541.38	0.10913	0.11036		420.00	420.00	0.26%	0.25%
400	2,000,000	202,349.83	207,631.23	0.10117	0.10382	202,909.83	208,191.23	0.10145	0.10410		560.00	560.00	0.28%	0.27%
500	2,500,000	240,666.88	249,833.38	0.09627	0.09993	241,366.88	250,533.38	0.09655	0.10021		700.00	700.00	0.29%	0.28%
600	3,000,000	278,900.53	291,972.93	0.09297	0.09732	279,740.53	292,812.93	0.09325	0.09760		840.00	840.00	0.30%	0.29%
									7,500	kW				
200	1,500,000	183,503.18	182,860.58	0.12234	0.12191	183,923.18	183,280.58	0.12262	0.12219		420.00	420.00	0.23%	0.23%
300	2,250,000	244,831.21	247,605.76	0.10881	0.11005	245,461.21	248,235.76	0.10909	0.11033		630.00	630.00	0.26%	0.25%
400	3,000,000	303,448.43	311,370.53	0.10115	0.10379	304,288.43	312,210.53	0.10143	0.10407		840.00	840.00	0.28%	0.27%
500	3,750,000	360,924.01	374,673.76	0.09625	0.09991	361,974.01	375,723.76	0.09653	0.10019		1,050.00	1,050.00	0.29%	0.28%
600	4,500,000	418,274.48	437,883.08	0.09295	0.09731	419,534.48	439,143.08	0.09323	0.09759		1,260.00	1,260.00	0.30%	0.29%
KWH	DISTRIBUTION							PRESENT				PROPOSED		
		ON PK	INT	OFF PK				TRECEIVI				KOI OOLD		
200	HOURS USE =	31%	29%	40%				SUMMER	MINTER			SUMMER	WINTER	
300	HOURS USE =	33%	27%	40%			CUSTOMER	152.63	152.63		CUSTOMER	152.63	152.63	
	HOURS USE =	30%	26%	44%			DEMAND (kW)	102.00	102.00		DEMAND (kW)		152.63	
	HOURS USE =	27%	25%	48%			On Peak	1.1450	0.0000		On Peak	1.1450	0.0000	
	HOURS USE =	25%	24%	51%			Maximum	7.1186	7.1186		Maximum		0.0000	
				0170			TNEDOX (LAAT)	7.1100	7.1100		IVIAXIIIIUIII	7.1186	7.1186	

ENERGY (kWh)

SURCHARGES

0.07900

0.06475

0.05641

0.01508

0.07495

0.07304

0.06678

0.01508

On Peak

Int Peak

Off Peak

ENERGY (kWh)

0.07900

0.06475

0.05641

0.01536

0.07495

0.07304

0.06678

0.01536

On Peak

Int Peak

Off Peak

SURCHARG

POTOMAC ELECTRIC POWER COMPANY BILL IMPACT OF UNDERGROUND PROJECT CHARGE - YEAR 1 SCHEDULE "GT 3A" DISTRICT OF COLUMBIA

HOURS			PRESENT 'G	T-3A'	PROPOSED 'GT- 3A' INCREASE									
USE	KWH	\$ AMOUN	IT OF BILL	\$/KV	ΛΗ	\$ AMOU	NT OF BILL	\$/	KWH		(\$)	(\$)	(%)	(%)
		SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER		SUMMER	WINTER	SUMMER	WINTER
						MAXIMUM AN	ID ON PEAK DEN	IAND =	10,000	KW				
200	2,000,000	244,620.03	243,763.23	0.12231	0.12188	245,180.03	244,323.23	0.12259	0.12216		560.00	560.00	0.23%	0.23%
300	3,000,000	326,390.73	330,090.13	0.10880	0.11003	327,230.73	330,930.13	0.10908	0.11031		840.00	840.00	0.26%	0.25%
400	4,000,000	404,547.03	415,109.83	0.10114	0.10378	405,667.03	416,229.83	0.10142	0.10406		1,120.00	1,120.00	0.28%	0.27%
500	5,000,000	481,181.13	499,514.13	0.09624	0.09990	482,581.13	500,914.13	0.09652	0.10018		1,400.00	1,400.00	0.29%	0.28%
600	6,000,000	557,648.43	583,793.23	0.09294	0.09730	559,328.43	585,473.23	0.09322	0.09758		1,680.00	1,680.00	0.30%	0.29%
									20,000	ĸw				
200	4,000,000	489,087.43	487,373.83	0.12227	0.12184	490,207.43	488,493.83	0.12255	0.12212		1,120.00	1,120.00	0.23%	0.23%
300	6,000,000	652,628.83	660,027.63	0.10877	0.11000	654,308.83	661,707.63	0.10905	0.11028		1,680.00	1,680.00	0.26%	0.25%
400	8,000,000	808,941.43	830,067.03	0.10112	0.10376	811,181.43	832,307.03	0.10140	0.10404		2,240.00	2,240.00	0.28%	0.27%
500	10,000,000	962,209.63	998,875.63	0.09622	0.09989	965,009.63	1,001,675.63	0.09650	0.10017		2,800.00	2,800.00	0.29%	0.27%
600	12,000,000	1,115,144.23	1,167,433.83	0.09293	0.09729	1,118,504.23	1,170,793.83	0.09321	0.09757		3,360.00	3,360.00	0.30%	0.28%
									20.000	IZM.				
200	6,000,000	733,554.83	730,984.43	0.12226	0.12183	735,234.83	700 004 40	0.40054	30,000	KVV	4 000 00			
300	9,000,000	978,866.93	989,965.13	0.12226	0.12103		732,664.43	0.12254	0.12211		1,680.00	1,680.00	0.23%	0.23%
400	12,000,000	1,213,335.83	1,245,024.23			981,386.93	992,485.13	0.10904	0.11028		2,520.00	2,520.00	0.26%	0.25%
500	and the second s		The second secon	0.10111	0.10375	1,216,695.83	1,248,384.23	0.10139	0.10403		3,360.00	3,360.00	0.28%	0.27%
600	15,000,000	1,443,238.13	1,498,237.13	0.09622	0.09988	1,447,438.13	1,502,437.13	0.09650	0.10016		4,200.00	4,200.00	0.29%	0.28%
600	18,000,000	1,672,640.03	1,751,074.43	0.09292	0.09728	1,677,680.03	1,756,114.43	0.09320	0.09756		5,040.00	5,040.00	0.30%	0.29%
									40,000	KW				
200	8,000,000	978,022.23	974,595.03	0.12225	0.12182	980,262.23	976,835.03	0.12253	0.12210		2,240.00	2,240.00	0.23%	0.23%
300	12,000,000	1,305,105.03	1,319,902.63	0.10876	0.10999	1,308,465.03	1,323,262.63	0.10904	0.11027		3,360.00	3,360.00	0.26%	0.25%
400	16,000,000	1,617,730.23	1,659,981.43	0.10111	0.10375	1,622,210.23	1,664,461.43	0.10139	0.10403		4,480.00	4,480.00	0.28%	0.27%
500	20,000,000	1,924,266.63	1,997,598.63	0.09621	0.09988	1,929,866.63	2,003,198.63	0.09649	0.10016		5,600.00	5,600.00	0.29%	0.28%
600	24,000,000	2,230,135.83	2,334,715.03	0.09292	0.09728	2,236,855.83	2,341,435.03	0.09320	0.09756		6,720.00	6,720.00	0.30%	0.29%
KWH	DISTRIBUTION							PRESENT		Т		PROPOSED		
		ON PK		OFF PK										
200	HOURS USE =	31%	29%	40%				SUMMER	WINTER			SUMMER	WINTER	
300	HOURS USE =	33%	27%	40%			CUSTOMER	152.63	152.63	- 1	CUSTOMER	152.63	152.63	
	HOURS USE =	30%	26%	44%			DEMAND (kW)		3		DEMAND (kV)	N		
500	HOURS USE =	27%	25%	48%			On Peak	1.1450	0.0000		On Peak	1.1450	0.0000	
600	HOURS USE =	25%	24%	51%			Maximum	7.1186	7.1186		Maximum	7.1186	7.1186	
							ENERGY (kWh)				ENERGY (kW			
							On Peak	0.07900	0.07495		On Peak	0.07900	0.07495	
							Int Peak	0.06475	0.07304		Int Peak	0.06475	0.07304	
							Off Peak	0.05641	0.06678		Off Peak	0.05641	0.06678	
							SURCHARGES	0.01508	0.01508		SURCHARG	0.01536	0.01536	

POTOMAC ELECTRIC POWER COMPANY BILL IMPACT OF UNDERGROUND PROJECT CHARGE - YEAR 1 SCHEDULE "GT 3B" DISTRICT OF COLUMBIA

HOURS		-	PRESENT 'G'				PROPOSED 'G	T- 3B'				INCREA	SE	
USE	KWH		NT OF BILL	\$/K	₩	\$ AMOUN	IT OF BILL	\$/1	(WH		(\$)	(\$)	(%)	(%)
		SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER		SUMMER	WINTER	SUMMER	WINTER
						MAXIMUM AND	ON PEAK DEM	AND =	10,000	KW				
200	2,000,000	275,474.77	275,474.77	0.13774	0.13774	275,534.77	275,534.77	0.13777	0.13777		60.00	60.00	0.02%	0.02%
300	3,000,000	396,850.97	396,850.97	0.13228	0.13228	396,940.97		0.13231	0.13231		90.00		0.02%	0.02%
400	4,000,000	518,227.17	518,227.17	0.12956	0.12956	518,347.17		0.12959	0.12959		120.00	120.00	0.02%	0.02%
500	5,000,000	639,603.37	639,603.37	0.12792	0.12792	639,753.37	639,753.37	0.12795	0.12795		150.00		0.02%	0.02%
600	6,000,000	760,979.57	760,979.57	0.12683	0.12683	761,159.57	761,159.57	0.12686	0.12686		180.00		0.02%	0.02%
									20,000	KW				
200	4,000,000	549,815.17	549,815.17	0.13745	0.13745	549,935.17	549,935.17	0.13748	0.13748		120.00	120.00	0.02%	0.02%
300	6,000,000	792,567.57	792,567.57	0.13209	0.13209	792,747.57	792,747.57	0.13212	0.13212		180.00	180.00	0.02%	0.02%
400	8,000,000	1,035,319.97	1,035,319.97	0.12941	0.12941	1,035,559.97	1,035,559.97	0.12944	0.12944		240.00	240.00	0.02%	0.02%
500	10,000,000	1,278,072.37	1,278,072.37	0.12781	0.12781	1,278,372.37	1,278,372.37	0.12784	0.12784		300.00		0.02%	0.02%
600	12,000,000	1,520,824.77	1,520,824.77	0.12674	0.12674	1,521,184.77	1,521,184.77	0.12677	0.12677		360.00	360.00	0.02%	0.02%
									30,000	ĸw				
200	6,000,000	824,155.57	824,155.57	0.13736	0.13736	824,335.57	824,335.57	0.13739	0.13739		180.00	180.00	0.02%	0.02%
300	9,000,000	1,188,284.17	1,188,284.17	0.13203	0.13203	1,188,554.17	1,188,554.17	0.13206	0.13206		270.00		0.02%	0.02%
400	12,000,000	1,552,412.77	1,552,412.77	0.12937	0.12937	1,552,772.77	1,552,772.77	0.12940	0.12940		360.00	360.00	0.02%	0.02%
500	15,000,000	1,916,541.37	1,916,541.37	0.12777	0.12777	1,916,991.37	1,916,991.37	0.12780	0.12780		450.00	450.00	0.02%	0.02%
600	18,000,000	2,280,669.97	2,280,669.97	0.12670	0.12670	2,281,209.97	2,281,209.97	0.12673	0.12673		540.00	540.00	0.02%	0.02%
									40,000	ĸw				
200	8,000,000	1,098,495.97	1,098,495.97	0.13731	0.13731	1,098,735.97	1,098,735.97	0.13734	0.13734		240.00	240.00	0.02%	0.02%
300	12,000,000	1,584,000.77	1,584,000.77	0.13200	0.13200	1,584,360.77	1,584,360.77	0.13203	0.13203		360.00	360.00	0.02%	0.02%
400	16,000,000	2,069,505.57	2,069,505.57	0.12934	0.12934	2,069,985.57	2,069,985.57	0.12937	0.12937		480.00	480.00	0.02%	0.02%
500	20,000,000	2,555,010.37	2,555,010.37	0.12775	0.12775	2,555,610.37	2,555,610.37	0.12778	0.12778		600.00	600.00	0.02%	0.02%
600	24,000,000	3,040,515.17	3,040,515.17	0.12669	0.12669	3,041,235.17	3,041,235.17	0.12672	0.12672		720.00	720.00	0.02%	0.02%
KW	/H DISTRIBUTION							PRESENT				PROPOSED		
		ON PK	INT	OFF PK										
200	HOURS USE =	31%	29%	40%				SUMMER	WINTER			SUMMER	WINTER	
	HOURS USE =	33%	27%	40%			CUSTOMER	1134.37	1134.37		CUSTOMER	1134.37	1134.37	
400	HOURS USE =	30%	26%	44%			DEMAND (kW)				DEMAND (kW)		110-1.07	
500	HOURS USE =	27%	25%	48%			On Peak	1.0636	1.0636		On Peak	1.0636	1.0636	
600	HOURS USE =	25%	24%	51%			Maximum	2.0952	2.0952		Maximum	2.0952	2.0952	
							ENERGY (kWh)		2.0002		ENERGY (kWh)	2.0932	2.0802	
							On Peak	0.10790	0.10790		On Peak	0.10700	0.10700	
							Int Peak	0.10790	0.10790		Int Peak	0.10790 0.10790	0.10790	
							Off Peak	0.10790	0.10790		Off Peak		0.10790	
							SURCHARGES		0.10790		SURCHARGES	0.10790	0.10790	
							CONCIANGES	0.01346	0.01348		SURCHARGES	0.01351	0.01351	

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND PROJECT CHARGE - YEAR 2 SCHEDULE "R" DISTRICT OF COLUMBIA

DISTRICT	OF COLUMBIA													
	PRESENT SCHEDULE R \$ AMOUNT OF BILL \$/KWH				SCHEDULE R				INCRE	EASE				
KWH						IT OF BILL	\$/KW	+	(\$)	(\$)	(%)	(%)	(\$)	(%)
	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	ANNUAL	ANNUAL
0	15.21	15.40		-	15.21	15.40	-	-	0.00	0.00	0.00%	0.00%	0.00	0.00%
10	15.39	15.58		1.55800	15.39	15.58	1.53900	1.55800	0.00	0.00	0.00%	0.00%	0.00	0.00%
20	15.57	15.76		0.78800	15.57	15.76	0.77850	0.78800	0.00	0.00	0.00%	0.00%	0.00	0.00%
30	15.75	15.94		0.53133	15.75	15.94	0.52500	0.53133	0.00	0.00	0.00%	0.00%	0.00	0.00%
40	16.75	16.94		0.42350	16.75	16.94	0.41875	0.42350	0.00	0.00	0.00%	0.00%	0.00	0.00%
50	17.76	17.95	0.35520	0.35900	17.76	17.95	0.35520	0.35900	0.00	0.00	0.00%	0.00%	0.00	0.00%
100	22.78	22.97	0.22780	0.22970	22.78	22.97	0.22780	0.22970	0.00	0.00	0.00%	0.00%	0.00	0.00%
200	32.82	33.01	0.16410	0.16505	32.84	33.03	0.16420	0.16515	0.02	0.02	0.06%	0.06%	0.02	0.06%
300	42.86	43.05		0.14350	42.89	43.08	0.14297	0.14360	0.03	0.03	0.07%	0.07%	0.03	0.07%
400	52.91	53.10		0.13275	52.94	53.13	0.13235	0.13283	0.03	0.03	0.06%	0.06%	0.03	0.06%
500	64.36	63.89		0.12778	64.40	63.93	0.12880	0.12786	0.04	0.04	0.06%	0.06%	0.04	0.06%
600	75.81	74.69	0.12635	0.12448	75.86	74.74	0.12643	0.12457	0.05	0.05	0.07%	0.07%	0.05	0.07%
700	87.26	85.49		0.12213	87.31	85.54	0.12473	0.12220	0.05	0.05	0.06%	0.06%	0.05	0.06%
750	92.98	90.88		0.12117	93.04	90.94	0.12405	0.12125	0.06	0.06	0.06%	0.07%	0.06	0.07%
800	98.71	96.28		0.12035	98.77	96.35	0.12346	0.12044	0.06	0.07	0.06%	0.07%	0.07	0.07%
850	104.43	101.68		0.11962	104.50	101.75	0.12294	0.11971	0.07	0.07	0.07%	0.07%	0.07	0.07%
900	110.16	107.08		0.11898	110.23	107.15	0.12248	0.11906	0.07	0.07	0.06%	0.07%	0.07	0.06%
950	115.88	112.48	0.12198	0.11840	115.96	112.55	0.12206	0.11847	0.08	0.07	0.07%	0.06%	0.07	0.07%
1,000	121.61	117.88	0.12161	0.11788	121.69	117.96	0.12169	0.11796	0.08	0.08	0.07%	0.07%	0.08	0.07%
1,250	150.24	144.87	0.12019	0.11590	150.34	144.97	0.12027	0.11598	0.10	0.10	0.07%	0.07%	0.10	0.07%
1,500	178.86	171.86	0.11924	0.11457	178.98	171.98	0.11932	0.11465	0.12	0.12	0.07%	0.07%	0.12	0.07%
1,750	207.49	198.85	0.11857	0.11363	207.63	198.99	0.11865	0.11371	0.14	0.14	0.07%	0.07%	0.14	0.07%
2,000	236.11	225.84	0.11806	0.11292	236.27	226.00	0.11814	0.11300	0.16	0.16	0.07%	0.07%	0.16	0.07%
2,250	264.74	252.83	0.11766	0.11237	264.92	253.01	0.11774	0.11245	0.18	0.18	0.07%	0.07%	0.18	0.07%
2,500	293.37	279.82	0.11735	0.11193	293.57	280.02	0.11743	0.11201	0.20	0.20	0.07%	0.07%	0.20	0.07%
3,000	350.62	333.80	0.11687	0.11127	350.86	334.04	0.11695	0.11135	0.24	0.24	0.07%	0.07%	0.24	0.07%
3,500	407.87	387.79	0.11653	0.11080	408.15	388.07	0.11661	0.11088	0.28	0.24	0.07%	0.07%	0.24	0.07%
4,000	465.12	441.77	0.11628	0.11044	465.44	442.09	0.11636	0.11052	0.32	0.32	0.07%	0.07%	0.28	0.07%
5,000	579.63	549.73		0.10995	580.03	550.13	0.11601	0.11003	0.40	0.32	0.07%	0.07%	0.32	0.07%

	PRESE	ENT	PROPOSED				
BLOCK	SUMMER	WINTER	SUMMER	WINTER			
*							
Customer &							
Minimum Charges	15.44	15.63	15.44	15.63			
Next 370 kWh	0.09014	0.09014	0.09014	0.09014			
Excess kWh	0.10421	0.09767	0.10421	0.09767			
Surcharges	0.01030	0.01030	0.01038	0.01038			

^{*} Includes Distribution Customer Charge, Generation Minimum Charge and Transmission Minimum Charge (Distribution Customer Charge includes the first 30 kWh of consumption at the initial block of volumetric rate)

675 0.00008 12 365 0.00177534

POTOMAC ELECTRIC POWER COMPANY

BILL IMPACTS - UNDERGROUND PROJECT CHARGE - YEAR 2

SCHEDULE "AE"

DISTRICT OF COLUMBIA

Appendix M Page 12 of 40

	OCCUMENT.													
10101		ESENT SCH	And the second second				SED SCHEDULE AE				INCREA	SE		
KWH	\$ AMOUNT		\$/K		\$ AMOUNT		\$/K	WH	(\$)	(\$)	(%)	(%)	(\$)	(%)
	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER			ANNUAL
0	15.18	15.33	-	-	15.18	15.33	-	-	0.00	0.00	0.00%	0.00%	0.00	0.00%
10	15.34	15.49	1.53400	1.54900	15.34	15.49	1.53400	1.54900	0.00	0.00	0.00%	0.00%	0.00	0.00%
20	15.51	15.66	0.77550	0.78300	15.51	15.66	0.77550	0.78300	0.00	0.00	0.00%	0.00%	0.00	0.00%
30	15.67	15.82	0.52233	0.52733	15.67	15.82	0.52233	0.52733	0.00	0.00	0.00%	0.00%	0.00	0.00%
40	16.56	16.76	0.41400	0.41900	16.56	16.77	0.41400	0.41925	0.00	0.01	0.00%	0.06%	0.01	0.03%
50	17.45	17.71	0.34900	0.35420	17.46	17.71	0.34920	0.35420	0.01	0.00	0.06%	0.00%	0.00	0.02%
											0.0070	0.0070	0.00	0.0270
100	21.92	22.43	0.21920	0.22430	21.92	22.43	0.21920	0.22430	0.00	0.00	0.00%	0.00%	0.00	0.00%
200	30.84	31.87	0.15420	0.15935	30.85	31.88	0.15425	0.15940	0.01	0.01	0.03%	0.03%	0.01	0.03%
300	39.76	41.31	0.13253	0.13770	39.78	41.33	0.13260	0.13777	0.02	0.02	0.05%	0.05%	0.02	0.05%
400	48.68	50.75	0.12170	0.12688	48.71	50.78	0.12178	0.12695	0.03	0.03	0.06%	0.06%	0.03	0.06%
500	59.18	60.71	0.11836	0.12142	59.21	60.74	0.11842	0.12148	0.03	0.03	0.05%	0.05%	0.03	0.05%
600	69.67	70.67	0.11612	0.11778	69.71	70.70	0.11618	0.11783	0.04	0.03	0.06%	0.04%	0.03	0.05%
											0.0070	0.0170	0.00	0.0070
700	80.17	80.63	0.11453	0.11519	80.21	80.67	0.11459	0.11524	0.04	0.04	0.05%	0.05%	0.04	0.05%
750	85.42	85.60	0.11389	0.11413	85.46	85.65	0.11395	0.11420	0.04	0.05	0.05%	0.06%	0.05	0.05%
800	90.67	90.58	0.11334	0.11323	90.71	90.63	0.11339	0.11329	0.04	0.05	0.04%	0.06%	0.05	0.05%
850	95.91	95.56	0.11284	0.11242	95.96	95.61	0.11289	0.11248	0.05	0.05	0.05%	0.05%	0.05	0.05%
900	101.16	100.54	0.11240	0.11171	101.22	100.60	0.11247	0.11178	0.06	0.06	0.06%	0.06%	0.06	0.06%
950	106.41	105.52	0.11201	0.11107	106.47	105.58	0.11207	0.11114	0.06	0.06	0.06%	0.06%	0.06	0.06%
											0.0070	0.0070	0.00	0.0070
1,000	111.66	110.50	0.11166	0.11050	111.72	110.56	0.11172	0.11056	0.06	0.06	0.05%	0.05%	0.06	0.05%
1,250	137.90	135.39	0.11032	0.10831	137.97	135.47	0.11038	0.10838	0.07	0.08	0.05%	0.06%	0.08	0.06%
1,500	164.14	160.29	0.10943	0.10686	164.23	160.38	0.10949	0.10692	0.09	0.09	0.05%	0.06%	0.09	0.06%
1,750	190.38	185.18	0.10879	0.10582	190.48	185.29	0.10885	0.10588	0.10	0.11	0.05%	0.06%	0.11	0.06%
2,000	216.62	210.08	0.10831	0.10504	216.74	210.20	0.10837	0.10510	0.12	0.12	0.06%	0.06%	0.12	0.06%
2,250	242.86	234.97	0.10794	0.10443	242.99	235.11	0.10800	0.10449	0.13	0.14	0.05%	0.06%	0.14	0.06%
										.	0.0070	0.0070	0.14	0.0070
2,500	269.10	259.87	0.10764	0.10395	269.25	260.02	0.10770	0.10401	0.15	0.15	0.06%	0.06%	0.15	0.06%
3,000	321.58	309.66	0.10719	0.10322	321.76	309.84	0.10725	0.10328	0.18	0.18	0.06%	0.06%	0.13	0.06%
3,500	374.06	359.45	0.10687	0.10270	374.27	359.66	0.10693	0.10276	0.21	0.10	0.06%	0.06%	0.10	0.06%
4,000	426.54	409.24	0.10664	0.10231	426.78	409.48	0.10670	0.10270	0.24	0.21	0.06%	0.06%	0.21	
5,000	531.49	508.82	0.10630	0.10176	531.79	509.12	0.10636	0.10237	0.24	0.24	0.06%			0.06%
-,			50000	5.10110	001.70	000.12	0.10030	0. 10 102	0.30	0.30	0.06%	0.06%	0.30	0.06%

	PRE	SENT	PROF	POSED
BLOCK	SUMMER	WINTER	SUMMER	WINTER
* Customer & Minimum				
Charges	15.43	15.58	15.43	15.58
Next 370 kWh	0.08112	0.08631	0.08112	0.08631
Excess kWh	0.09686	0.09148	0.09686	0.09148
Surcharges	0.00810	0.00810	0.00816	0.00816

^{*} Includes Distribution Customer Charge, Generation Minimum Charge and Transmission Minimum Charge (Distribution Customer Charge includes the first 30 kWh of consumption at the initial block of volumetric rate)

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND PROJECT CHARGE - YEAR 2 SCHEDULE "RTM" DISTRICT OF COLUMBIA

DISTRICTOR	COLUMBIA	PRESENT	R-TM			PROPOSED	O R-TM				INCREASE			
KWH	\$ AMOUN	T OF BILL	\$/K\	WH	\$ AMOUN	T OF BILL	\$/K	WH	(\$)	(\$)	(%)	(%)	(\$)	(%)
	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER		SUMMER	WINTER	SUMMER	WINTER		ANNUAL
1,000	150.58	156.18	0.15058	0.15618	150.84	156.44	0.15084	0.15644	0.26	0.26	0.17%	0.17%	0.26	0.17%
1,500	217.11	225.52	0.14474	0.15035	217.50	225.91	0.14500	0.15061	0.39	0.39	0.18%	0.17%	0.39	0.18%
2,000	283.64	294.85	0.14182	0.14743	284.16	295.37	0.14208	0.14769	0.52	0.52	0.18%	0.18%	0.52	0.18%
2,500	350.16	364.18	0.14006	0.14567	350.81	364.83	0.14032	0.14593	0.65	0.65	0.19%	0.18%	0.65	0.18%
3,000	416.69	433.51	0.13890	0.14450	417.47	434.29	0.13916	0.14476	0.78	0.78	0.19%	0.18%	0.78	0.18%
3,500	483.22	502.85	0.13806	0.14367	484.13	503.76	0.13832	0.14393	0.91	0.91	0.19%	0.18%	0.91	0.18%
4,000	549.75	572.18	0.13744	0.14305	550.79	573.22	0.13770	0.14331	1.04	1.04	0.19%	0.18%	1.04	0.18%
4,500	616.28	641.51	0.13695	0.14256	617.45	642.68	0.13721	0.14282	1.17	1.17	0.19%	0.18%	1.17	0.19%
5,000	682.81	710.84	0.13656	0.14217	684.11	712.14	0.13682	0.14243	1.30	1.30	0.19%	0.18%	1.30	0.19%
5,500	749.34	780.17	0.13624	0.14185	750.77	781.60	0.13650	0.14211	1.43	1.43	0.19%	0.18%	1.43	0.19%
6,000	815.87	849.51	0.13598	0.14159	817.43	851.07	0.13624	0.14185	1.56	1.56	0.19%	0.18%	1.56	0.19%
6,500	882.40	918.84	0.13575	0.14136	884.09	920.53	0.13601	0.14162	1.69	1.69	0.19%	0.18%	1.69	0.19%
7,000	948.92	988.17	0.13556	0.14117	950.74	989.99	0.13582	0.14143	1.82	1.82	0.19%	0.18%	1.82	0.19%
7,500	1,015.45	1,057.50	0.13539	0.14100	1,017.40	1,059.45	0.13565	0.14126	1.95	1.95	0.19%	0.18%	1.95	0.19%
8,000	1,081.98	1,126.83	0.13525	0.14085	1,084.06	1,128.91	0.13551	0.14111	2.08	2.08	0.19%	0.18%	2.08	0.19%
8,500	1,148.51	1,196.17	0.13512	0.14073	1,150.72	1,198.38	0.13538	0.14099	2.21	2.21	0.19%	0.18%	2.21	0.19%
9,000	1,215.04	1,265.50	0.13500	0.14061	1,217.38	1,267.84	0.13526	0.14087	2.34	2.34	0.19%	0.18%	2.34	0.19%
9,500	1,281.57	1,334.83	0.13490	0.14051	1,284.04	1,337.30	0.13516	0.14077	2.47	2.47	0.19%	0.19%	2.47	0.19%
10,000	1,348.10	1,404.16	0.13481	0.14042	1,350.70	1,406.76	0.13507	0.14068	2.60	2.60	0.19%	0.19%	2.60	0.19%
11,000	1,481.16	1,542.83	0.13465	0.14026	1,484.02	1,545.69	0.13491	0.14052	2.86	2.86	0.19%	0.19%	2.86	0.19%
12,000	1,614.21	1,681.49	0.13452	0.14012	1,617.33	1,684.61	0.13478	0.14038	3.12	3.12	0.19%	0.19%	3.12	0.19%
13,000	1,747.27	1,820.16	0.13441	0.14001	1,750.65	1,823.54	0.13467	0.14027	3.38	3.38	0.19%	0.19%	3.38	0.19%
14,000	1,880.33	1,958.82	0.13431	0.13992	1,883.97	1,962.46	0.13457	0.14018	3.64	3.64	0.19%	0.19%	3.64	0.19%
15,000	2,013.39	2,097.49	0.13423	0.13983	2,017.29	2,101.39	0.13449	0.14009	3.90	3.90	0.19%	0.19%	3.90	0.19%
17,500	2,346.03	2,444.15	0.13406	0.13967	2,350.58	2,448.70	0.13432	0.13993	4.55	4.55	0.19%	0.19%	4.55	0.19%
20,000	2,678.68	2,790.81	0.13393	0.13954	2,683.88	2,796.01	0.13419	0.13980	5.20	5.20	0.19%	0.19%	5.20	0.19%
22,500	3,011.32	3,137.47	0.13384	0.13944	3,017.17	3,143.32	0.13410	0.13970	5.85	5.85	0.19%	0.19%	5.85	0.19%
25,000	3,343.97	3,484.13	0.13376	0.13937	3,350.47	3,490.63	0.13402	0.13963	6.50	6.50	0.19%	0.19%	6.50	0.19%
IOMI DIOT	DIBLITION					_								

KWH DISTRIBUTION					
		ON PK	INT	0	FF PK
ALL SUMMER HOURS USE	=	299	%	25%	46%
ALL WINTER HOURS USE	=	229	%	25%	53%

	PRESENT			PROPOSED		
	SUMMER	WINTER		SUMMER	WINTER	
CUSTOMER	17.52	17.52	CUSTOMER	17.52	17.52	
ENERGY (kWh)		ENERGY (kWh)			
On Peak	0.12905	0.12810	On Peak	0.12905	0.12810	
Intermediate	0.11885	0.12706	Intermediate	0.11885	0.12706	
Off Peak	0.11474	0.12373	Off Peak	0.11474	0.12373	
Surcharges	0.01314	0.01314	Surcharges	0.01340	0.01340	

Appendix M Page 14 of 40

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND PROJECT CHARGE - YEAR 2 SCHEDULE "GS ND" DISTRICT OF COLUMBIA

	PRESENT GS_ND					PROPOSED GS_ND				INCREASE						
KWH	\$ AMOUN	T OF BILL	\$/K	WH	\$ AMOUN	T OF BILL	\$/KWH		(\$)	(\$)	(%)	(%)	(\$)	(%)		
	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER		ANNUAL			
0	23.39	23.39	-	-	23.39	23.39	:-	-	0.00	0.00	0.00%	0.00%	0.00	0.00%		
10	24.51	24.49	2.45100	2.44900	24.51	24.49	2.45100	2.44900	0.00	0.00	0.00%	0.00%	0.00	0.00%		
20	25.63	25.59	1.28150	1.27950	25.64	25.59	1.28200	1.27950	0.01	0.00	0.04%	0.00%	0.00	0.02%		
30	26.76	26.69	0.89200	0.88967	26.76	26.70	0.89200	0.89000	0.00	0.01	0.00%	0.04%	0.01	0.02%		
40	27.88	27.79	0.69700	0.69475	27.88	27.80	0.69700	0.69500	0.00	0.01	0.00%	0.04%	0.01	0.02%		
50	29.00	28.89	0.58000	0.57780	29.01	28.90	0.58020	0.57800	0.01	0.01	0.03%	0.03%	0.01	0.03%		
100	34.61	34.40	0.34610	0.34400	34.62	34.41	0.34620	0.34410	0.01	0.01	0.03%	0.03%	0.01	0.03%		
150	40.22	39.90	0.26813	0.26600	40.24	39.93	0.26827	0.26620	0.02	0.03	0.05%	0.08%	0.03	0.06%		
200	45.83	45.41	0.22915	0.22705	45.86	45.44	0.22930	0.22720	0.03	0.03	0.07%	0.07%	0.03	0.07%		
250	51.44	50.91	0.20576	0.20364	51.48	50.95	0.20592	0.20380	0.04	0.04	0.08%	0.08%	0.04	0.08%		
300	57.04	56.41	0.19013	0.18803	57.09	56.46	0.19030	0.18820	0.05	0.05	0.09%	0.09%	0.05	0.09%		
400	68.26	67.42	0.17065	0.16855	68.33	67.49	0.17083	0.16873	0.07	0.07	0.10%	0.10%	0.07	0.10%		
500	79.48	78.43	0.15896	0.15686	79.56	78.51	0.15912	0.15702	0.08	0.08	0.10%	0.10%	0.08	0.10%		
600	90.70	89.44	0.15117	0.14907	90.80	89.54	0.15133	0.14923	0.10	0.10	0.11%	0.11%	0.10	0.11%		
700	101.92	100.45	0.14560	0.14350	102.03	100.56	0.14576	0.14366	0.11	0.11	0.11%	0.11%	0.11	0.11%		
800	113.14	111.46	0.14143	0.13933	113.26	111.58	0.14158	0.13948	0.12	0.12	0.11%	0.11%	0.12	0.11%		
900	124.35	122.46	0.13817	0.13607	124.50	122.61	0.13833	0.13623	0.15	0.15	0.12%	0.12%	0.15	0.12%		
1,000	135.57	133.47	0.13557	0.13347	135.73	133.63	0.13573	0.13363	0.16	0.16	0.12%	0.12%	0.16	0.12%		
1,250	163.62	160.99	0.13090	0.12879	163.82	161.19	0.13106	0.12895	0.20	0.20	0.12%	0.12%	0.20	0.12%		
1,500	191.66	188.51	0.12777	0.12567	191.90	188.75	0.12793	0.12583	0.24	0.24	0.13%	0.13%	0.24	0.13%		
1,750	219.71	216.03	0.12555	0.12345	219.99	216.31	0.12571	0.12361	0.28	0.28	0.13%	0.13%	0.28	0.13%		
2,000	247.75	243.55	0.12388	0.12178	248.07	243.87	0.12404	0.12194	0.32	0.32	0.13%	0.13%	0.32	0.13%		
2,500	303.84	298.59	0.12154	0.11944	304.24	298.99	0.12170	0.11960	0.40	0.40	0.13%	0.13%	0.40	0.13%		
3,000	359.94	353.64	0.11998	0.11788	360.42	354.12	0.12014	0.11804	0.48	0.48	0.13%	0.14%	0.48	0.13%		
3,500	416.03	408.68	0.11887	0.11677	416.59	409.24	0.11903	0.11693	0.56	0.56	0.13%	0.14%	0.56	0.14%		
4,000	472.12	463.72	0.11803	0.11593	472.76	464.36	0.11819	0.11609	0.64	0.64	0.14%	0.14%	0.64	0.14%		
5,000	584.30	573.80	0.11686	0.11476	585.10	574.60	0.11702	0.11492	0.80	0.80	0.14%	0.14%	0.80	0.14%		
6,000	696.48	683.88	0.11608	0.11398	697.44	684.84	0.11624	0.11414	0.96	0.96	0.14%	0.14%	0.96	0.14%		

	PRE	SENT	PROPO	OSED
	SUMMER	WINTER	SUMMER	WINTER
CUSTOMER ENERGY (kWh)	23.39	23.39	23.39	23.39
All Kilowatt-hours Surcharges	0.10888 0.003302	0.10678 0.003302	0.10888 0.003462	0.10678 0.003462

Appendix M Page 15 of 40

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND PROJECT CHARGE - YEAR 2 SCHEDULE "GS D LV" DISTRICT OF COLUMBIA

			PRESENT	GS_D_LV			PROPOSED	GS_D_LV				INCRE	ASE	
KW	Hours Use	KWH		IT OF BILL	\$/K	NΗ	\$ AMOUNT	OF BILL	\$/KWH		(\$)	(\$)	(%)	(%)
			SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER
	10 100	4000	405.07	100.10				Market Market						
	10.00	1000	195.07	192.48	0.19507	0.19248	195.38	192.79	0.19538	0.19279	0.31	0.31	0.16%	0.16%
	200	2000	317.74	312.56	0.15887	0.15628	318.36	313.18	0.15918	0.15659	0.62	0.62	0.20%	0.20%
	300	3000	440.40	432.63	0.14680	0.14421	441.33	433.56	0.14711	0.14452	0.93	0.93	0.21%	0.21%
	400	4000	563.06	552.70	0.14077	0.13818	564.30	553.94	0.14108	0.13849	1.24	1.24	0.22%	0.22%
	500	5000	685.73	672.78	0.13715	0.13456	687.28	674.33	0.13746	0.13487	1.55	1.55	0.23%	0.23%
	600	6000	808.39	792.85	0.13473	0.13214	810.25	794.71	0.13504	0.13245	1.86	1.86	0.23%	0.23%
	25 100	2,500	447.02	440.54	0.17881	0.17622	447.70	444.00	0.47040	0.47050				
	200	5,000	753.68	740.73			447.79	441.32	0.17912	0.17653	0.77	0.78	0.17%	0.18%
	300	7,500	1,060.33		0.15074	0.14815	755.23	742.28	0.15105	0.14846	1.55	1.55	0.21%	0.21%
	400	10,000	1,366.99	1,040.91	0.14138	0.13879	1,062.66	1,043.23	0.14169	0.13910	2.33	2.32	0.22%	0.22%
	500	12,500		1,341.09	0.13670	0.13411	1,370.09	1,344.19	0.13701	0.13442	3.10	3.10	0.23%	0.23%
	600		1,673.65	1,641.28	0.13389	0.13130	1,677.52	1,645.15	0.13420	0.13161	3.87	3.87	0.23%	0.24%
	600	15,000	1,980.31	1,941.46	0.13202	0.12943	1,984.96	1,946.11	0.13233	0.12974	4.65	4.65	0.23%	0.24%
	50 100	5,000	866.93	853.98	0.17339	0.17080	868.48	855.53	0.17370	0.17111	1 55	4 5 5	0.400/	0.400/
	200	10,000	1,480.24	1,454.34	0.14802	0.14543	1,483.34	1,457.44	0.17370	0.17111	1.55	1.55	0.18%	0.18%
	300	15,000	2,093.56	2.054.71	0.13957	0.13698	2,098.21	2,059.36	0.13988	0.13729	3.10	3.10	0.21%	0.21%
	400	20,000	2,706.87	2,655.07	0.13534	0.13275	2,713.07	2,661.27	0.13565	0.13729	4.65	4.65	0.22%	0.23%
	500	25,000	3,320.19	3,255.44	0.13281	0.13022	3,327.94	3,263.19	0.13312		6.20	6.20	0.23%	0.23%
	600	30,000	3,933.51	3,855.81	0.13201	0.13022	3,942.81	3,865.11		0.13053	7.75	7.75	0.23%	0.24%
	000	00,000	0,000.01	0,000.01	0.10112	0.12000	3,342.01	3,003.11	0.13143	0.12884	9.30	9.30	0.24%	0.24%
7	75 100	7,500	1,286.83	1,267.41	0.17158	0.16899	1,289.16	1,269.73	0.17189	0.16930	2.33	2.32	0.18%	0.18%
	200	15,000	2,206.81	2,167.96	0.14712	0.14453	2,211.46	2,172.61	0.14743	0.14484	4.65	4.65	0.21%	0.21%
	300	22,500	3,126.78	3,068.51	0.13897	0.13638	3,133.76	3,075.48	0.13928	0.13669	6.98	6.97	0.22%	0.23%
	400	30,000	4,046.76	3,969.06	0.13489	0.13230	4,056.06	3,978.36	0.13520	0.13261	9.30	9.30	0.23%	0.23%
	500	37,500	4,966.73	4,869.60	0.13245	0.12986	4,978.36	4,881.23	0.13276	0.13017	11.63	11.63	0.23%	0.23%
	600	45,000	5,886.70	5,770.15	0.13082	0.12823	5,900.65	5,784.10	0.13113	0.12854	13.95	13.95	0.24%	0.24%
									51.151.15		10.00	10.00	0.2470	0.2470

	PRE	SENT	PROP	OSED
	SUMMER	WINTER	SUMMER	WINTER
CUSTOMER	27.11	27.11	27.11	27.11
ENERGY (kWh)				
first 6000	0.11520	0.11261	0.11520	0.11261
additional	0.11520	0.11261	0.11520	0.11261
Surcharges	0.0074632	0.0074632	0.007773	0.0077732
DEMAND (kW)	4.53	4.53	4.53	4.53

Appendix M Page 16 of 40

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND PROJECT CHARGE - YEAR 2 SCHEDULE "GT LV" DISTRICT OF COLUMBIA

500 HOURS USE =

600 HOURS USE =

27%

25%

25%

24%

48%

51%

HOURS			PRESENT 'C	ST-LV'			PROPOSED 'C	GT- LV				INCREASE	Ξ	
USE	KWH	\$ AMOUN	T OF BILL	\$/K	WH	\$ AMOU	JNT OF BILL	\$/H	(WH	-	(\$)	(\$)	(%)	(%)
		SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER		SUMMER	WINTER	SUMMER	
						MAXIMUM A	ND ON PEAK DE	MAND =	100	KW				
200	10-11-11-11-11-11-11-11-11-11-11-11-11-1	3,349.51	3,353.61	0.16748	0.16768	3,353.31	3,357.41	0.16767	0.16787		3.80	3.80	0.11%	0.11%
300	30,000	4,272.36	4,329.68	0.14241	0.14432	4,278.06	4,335.38	0.14260	0.14451		5.70	5.70	0.13%	0.13%
400	40,000	5,164.13	5,298.09	0.12910	0.13245	5,171.73	5,305.69	0.12929	0.13264		7.60	7.60	0.15%	0.14%
500	50,000	6,043.00	6,262.77	0.12086	0.12526	6,052.50	6,272.27	0.12105	0.12545		9.50	9.50	0.16%	0.15%
600	60,000	6,920.61	7,226.58	0.11534	0.12044	6,932.01	7,237.98	0.11553	0.12063		11.40	11.40	0.16%	0.16%
									300	KW				
200	60,000	9,290.46	9,302.77	0.15484	0.15505	9,301.86	9,314.17	0.15503	0.15524		11.40	11.40	0.12%	0.12%
300	90,000	12,059.00	12,230.96	0.13399	0.13590	12,076.10	12,248.06	0.13418	0.13609		17.10	17.10	0.14%	0.14%
400	120,000	14,734.32	15,136.21	0.12279	0.12614	14,757.12	15,159.01	0.12298	0.12633		22.80	22.80	0.15%	0.15%
500	150,000	17,370.93	18,030.24	0.11581	0.12020	17,399.43	18,058.74	0.11600	0.12039		28.50	28.50	0.16%	0.16%
600	180,000	20,003.77	20,921.66	0.11113	0.11623	20,037.97	20,955.86	0.11132	0.11642		34.20	34.20	0.17%	0.16%
									500	KW				
200	100,000	15,231.40	15,251.93	0.15231	0.15252	15,250.40	15,270.93	0.15250	0.15271		19.00	19.00	0.12%	0.12%
300	150,000	19,845.64	20,132.25	0.13230	0.13422	19,874.14	20,160.75	0.13249	0.13441		28.50	28.50	0.14%	0.14%
400	200,000	24,304.51	24,974.32	0.12152	0.12487	24,342.51	25,012.32	0.12171	0.12506		38.00	38.00	0.16%	0.15%
500	250,000	28,698.86	29,797.71	0.11480	0.11919	28,746.36	29,845.21	0.11499	0.11938		47.50	47.50	0.17%	0.16%
600	300,000	33,086.93	34,616.74	0.11029	0.11539	33,143.93	34,673.74	0.11048	0.11558		57.00	57.00	0.17%	0.16%
														100,000
									1,000	KW				
200	200,000	30,083.77	30,124.83	0.15042	0.15062	30,121.77	30,162.83	0.15061	0.15081		38.00	38.00	0.13%	0.13%
300	300,000	39,312.24	39,885.46	0.13104	0.13295	39,369.24	39,942.46	0.13123	0.13314		57.00	57.00	0.14%	0.14%
400	400,000	48,229.99	49,569.61	0.12057	0.12392	48,305.99	49,645.61	0.12076	0.12411		76.00	76.00	0.16%	0.15%
500	500,000	57,018.68	59,216.38	0.11404	0.11843	57,113.68	59,311.38	0.11423	0.11862		95.00	95.00	0.17%	0.16%
600	600,000	65,794.83	68,854.45	0.10966	0.11476	65,908.83	68,968.45	0.10985	0.11495		114.00	114.00	0.17%	0.17%
KWH I	DISTRIBUTION							PRESENT				PROPOSED		
		ON PK	NT	OFF PK										
200	HOURS USE =	31%	29%	40%				SUMMER	WINTER			SUMMER	WINTER	
300	HOURS USE =	33%	27%	40%			CUSTOMER	379.03	379.03		CUSTOMER	379.03	379.03	
400	HOURS USE =	30%	26%	44%			DEMAND (kW)				DEMAND (kW)	0,0.00	0,0.00	
											()			

	PRESENT			PROPOSED					
	SUMMER	WINTER		SUMMER	WINTER				
CUSTOMER	379.03	379.03	CUSTOMER	379.03	379.03				
DEMAND (kW)			DEMAND (kW)						
On Peak	1.1759	0.0000	On Peak	1.1759	0.0000				
Maximum	10.2297	10.2297	Maximum	10.2297	10.2297				
ENERGY (kWh)			ENERGY (kWh)		1				
On Peak	0.08644	0.08298	On Peak	0.08644	0.08298				
Int Peak	0.07329	0.08255	Int Peak	0.07329	0.08255				
Off Peak	0.06702	0.07820	Off Peak	0.06702	0.07820				
SURCHARGES	0.01664	0.01664	SURCHARGES	0.01683	0.01683				

Appendix M Page 17 of 40

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND PROJECT CHARGE - YEAR 2 SCHEDULE "GT LV" DISTRICT OF COLUMBIA

HOURS			PRESENT 'G	The second second			PROPOSED 'C	GT- LV			INCREASE			
USE	KWH	\$ AMOUN	IT OF BILL		WH	\$ AMOU	JNT OF BILL	\$/}	<wh< th=""><th>-//-</th><th>(\$)</th><th>(\$)</th><th>(%)</th><th>(%)</th></wh<>	-//-	(\$)	(\$)	(%)	(%)
		SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER		SUMMER	WINTER	SUMMER	
						MAXIMUM A	ND ON PEAK DE	MAND =	2,000	ĸw				
200	400,000	59,788.51	59,870.63	0.14947	0.14968	59,864.51	59,946.63		0.14987		76.00	76.00	0.13%	0.13%
300	600,000	78,245.45	79,391.89	0.13041	0.13232	78,359.45	79,505.89		0.13251		114.00		0.15%	
400	800,000	96,080.95	98,760.19	0.12010	0.12345	96,232.95	98,912.19		0.12364		152.00		0.16%	
500	1,000,000	113,658.33	118,053.73	0.11366	0.11805	113,848.33	118,243.73		0.11824		190.00		0.17%	
600	1,200,000	131,210.63	137,329.87	0.10934	0.11444	131,438.63	137,557.87		0.11463		228.00	228.00	0.17%	
									4,000	ĸw				
200	800,000	119,197.99	119,362.23	0.14900	0.14920	119,349.99	119,514.23	0.14919	0.14939		152.00	152.00	0.13%	0.13%
300	1,200,000	156,111.87	158,404.75	0.13009	0.13200	156,339.87	158,632.75		0.13219		228.00	228.00	0.15%	
400	1,600,000	191,782.87	197,141.35	0.11986	0.12321	192,086.87	197,445.35	0.12005	0.12340		304.00	304.00	0.16%	
500	2,000,000	226,937.63	235,728.43	0.11347	0.11786	227,317.63	236,108.43	0.11366	0.11805		380.00	380.00	0.17%	0.16%
600	2,400,000	262,042.23	274,280.71	0.10918	0.11428	262,498.23	274,736.71	0.10937	0.11447		456.00	456.00	0.17%	
									6,000	ĸw				
200	1,200,000	178,607.47	178,853.83	0.14884	0.14904	178,835.47	179,081.83	0.14903	0.14923		228.00	228.00	0.13%	0.13%
300	1,800,000	233,978.29	237,417.61	0.12999	0.13190	234,320.29	237,759.61	0.13018	0.13209		342.00	342.00	0.15%	0.14%
400	2,400,000	287,484.79	295,522.51	0.11979	0.12313	287,940.79	295,978.51	0.11998	0.12332		456.00	456:00	0.16%	0.15%
500	3,000,000	340,216.93	353,403.13	0.11341	0.11780	340,786.93	353,973.13	0.11360	0.11799		570.00	570.00	0.17%	0.16%
600	3,600,000	392,873.83	411,231.55	0.10913	0.11423	393,557.83	411,915.55	0.10932	0.11442		684.00	684.00	0.17%	0.17%
									8,000	ĸw				
200	1,600,000	238,016.95	238,345.43	0.14876	0.14897	238,320.95	238,649.43	0.14895	0.14916		304.00	304.00	0.13%	0.13%
300	2,400,000	311,844.71	316,430.47	0.12994	0.13185	312,300.71	316,886.47	0.13013	0.13204		456.00	456.00	0.15%	0.14%
400	3,200,000	383,186.71	393,903.67	0.11975	0.12309	383,794.71	394,511.67	0.11994	0.12328		608.00	608.00	0.16%	0.15%
500	4,000,000	453,496.23	471,077.83	0.11337	0.11777	454,256.23	471,837.83	0.11356	0.11796		760.00	760.00	0.17%	0.16%
600	4,800,000	523,705.43	548,182.39	0.10911	0.11420	524,617.43	549,094.39	0.10930	0.11439		912.00	912.00	0.17%	0.17%
KWH	DISTRIBUTION					1		PRESENT				PROPOSED		
			INT	OFF PK										
	HOURS USE =	31%	29%	40%				SUMMER	WINTER			SUMMER	WINTER	
	HOURS USE =	33%	27%	40%			CUSTOMER	379.03	379.03		CUSTOMER	379.03	379.03	
	HOURS USE =	30%	26%	44%			DEMAND (kW)				DEMAND (kW)			
	HOURS USE =	27%	25%	48%			On Peak	1.1759	0.0000		On Peak	1.1759	0.0000	
600	HOURS USE =	25%	24%	51%			Maximum	10.2297	10.2297		Maximum	10.2297	10.2297	
							ENERGY (kWh)				ENERGY (kWh)			
							On Peak	0.08644	0.08298		On Peak	0.08644	0.08298	
							Int Peak	0.07329	0.08255		Int Peak	0.07329	0.08255	
							Off Peak	0.06702	0.07820		Off Peak	0.06702	0.07820	
							SURCHARGES	0.01664	0.01664		SURCHARGES	0.01683	0.01683	

Appendix M Page 18 of 40

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND PROJECT CHARGE - YEAR 2 SCHEDULE "GT 3A" DISTRICT OF COLUMBIA

27%

25%

500 HOURS USE =

600 HOURS USE =

25%

24%

48%

51%

HOURS	TALESCIAL CLOCK						PROPOSED 'G'	Г- 3A'			INCREASE			
USE	KWH	\$ AMOUN	NT OF BILL	\$/K	WH	\$ AMOU	NT OF BILL		(WH	_	(\$)	(\$)	(%)	(%)
		SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER			SUMMER	WINTER	SUMMER	
							0.000,000,000				COMMEN	VVIIVILIX	COMMINICA	VVIIVILIX
						MAXIMUM AND	ON PEAK DEMAN	1D =	1,000	KW				
200		24,599.37	24,513.69	0.12300	0.12257	24,621.37	24,535.69	0.12311	0.12268		22.00	22.00	0.09%	0.09%
300		32,776.44	33,146.38	0.10925	0.11049	32,809.44	33,179.38	0.10936	0.11060		33.00			
400		40,592.07	41,648.35	0.10148	0.10412	40,636.07	41,692.35	0.10159	0.10423		44.00			0.11%
500	(m) 100 / 40 M (m) (m) (m)	48,255.48	50,088.78	0.09651	0.10018	48,310.48	50,143.78	0.09662	0.10029		55.00			0.11%
600	600,000	55,902.21	58,516.69	0.09317	0.09753	55,968.21	58,582.69	0.09328	0.09764		66.00			
											00.00	00.00	0.1270	0.1170
200	400,000	40.040.44	10 071 75	0.40000					2,000	KW				
300		49,046.11	48,874.75	0.12262	0.12219	49,090.11	48,918.75	0.12273	0.12230		44.00	44.00	0.09%	0.09%
		65,400.25	66,140.13	0.10900	0.11023	65,466.25	66,206.13	0.10911	0.11034		66.00	66.00	0.10%	0.10%
400		81,031.51	83,144.07	0.10129	0.10393	81,119.51	83,232.07	0.10140	0.10404		88.00	88.00	0.11%	0.11%
500		96,358.33	100,024.93	0.09636	0.10002	96,468.33	100,134.93	0.09647	0.10013		110.00	110.00	0.11%	0.11%
600	1,200,000	111,651.79	116,880.75	0.09304	0.09740	111,783.79	117,012.75	0.09315	0.09751		132.00	132.00	0.12%	0.11%
000	4 000 000								5,000	KW				
200	The second secon	122,386.33	121,957.93	0.12239	0.12196	122,496.33	122,067.93	0.12250	0.12207		110.00	110.00	0.09%	0.09%
300	1,500,000	163,271.68	165,121.38	0.10885	0.11008	163,436.68	165,286.38	0.10896	0.11019		165.00	165.00	0.10%	0.10%
400	2,000,000	202,349.83	207,631.23	0.10117	0.10382	202,569.83	207,851.23	0.10128	0.10393		220.00	220.00	0.11%	0.11%
500	2,500,000	240,666.88	249,833.38	0.09627	0.09993	240,941.88	250,108.38	0.09638	0.10004		275.00	275.00	0.11%	0.11%
600	3,000,000	278,900.53	291,972.93	0.09297	0.09732	279,230.53	292,302.93	0.09308	0.09743		330.00	330.00	0.12%	0.11%

200	4 500 000				To the second				7,500	KW				
200	1,500,000	183,503.18	182,860.58	0.12234	0.12191	183,668.18	183,025.58	0.12245	0.12202		165.00	165.00	0.09%	0.09%
300	2,250,000	244,831.21	247,605.76	0.10881	0.11005	245,078.71	247,853.26	0.10892	0.11016		247.50	247.50	0.10%	0.10%
400	3,000,000	303,448.43	311,370.53	0.10115	0.10379	303,778.43	311,700.53	0.10126	0.10390		330.00	330.00	0.11%	0.11%
500	3,750,000	360,924.01	374,673.76	0.09625	0.09991	361,336.51	375,086.26	0.09636	0.10002		412.50	412.50	0.11%	0.11%
600	4,500,000	418,274.48	437,883.08	0.09295	0.09731	418,769.48	438,378.08	0.09306	0.09742		495.00	495.00	0.12%	0.11%
KWH	DISTRIBUTION							DDECENT						
137711	DIOTRIDOTION	ON PK	INT	OFF PK				PRESENT				PROPOSED		
200	HOURS USE =	31%	29%											
	HOURS USE =			40%					WINTER			SUMMER	WINTER	
		33%	27%	40%			CUSTOMER	152.63	152.63		CUSTOMER	152.63	152.63	
400	HOURS USE =	30%	26%	44%			DEMAND (kW)				DEMAND (kW)			

	PRESENT		PROPOSE	D
	SUMMER	WINTER	SUMMER	WINTER
CUSTOMER	152.63	152.63	CUSTOMER 152.	63 152.63
DEMAND (kW)			DEMAND (kW)	
On Peak	1.1450	0.0000	On Peak 1.14	50 0.0000
Maximum	7.1186	7.1186	Maximum 7.11	36 7.1186
ENERGY (kWh)			ENERGY (kWh)	NO.
On Peak	0.07900	0.07495	On Peak 0.079	0.07495
Int Peak	0.06475	0.07304	Int Peak 0.064	75 0.07304
Off Peak	0.05641	0.06678	Off Peak 0.056	the second second
SURCHARGES	0.01508	0.01508	SURCHARGES 0.015	19 0.01519

Appendix M Page 19 of 40

POTOMAC ELECTRIC POWER COMPANY **BILL IMPACTS - UNDERGROUND PROJECT CHARGE - YEAR 2** SCHEDULE "GT 3A" DISTRICT OF COLUMBIA

HOURS		PRESENT 'GT-3A' \$ AMOUNT OF BILL \$/KWH					PROPOSED 'G'	T- 3A'			INCREASE			
USE	KWH	\$ AMOUN	IT OF BILL	\$/K	WH	\$ AMOU	NT OF BILL	\$/K	CWH	-	(\$)	(\$)	(%)	(%)
		SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER		WINTER		SUMMER	WINTER	SUMMER	
						MAXIMUM AND	ON PEAK DEMAN	ND =	10,000	KW				
200	2,000,000	244,620.03	243,763.23	0.12231	0.12188	244,840.03	243,983.23	0.12242	0.12199		220.00	220.00	0.09%	0.09%
300	3,000,000	326,390.73	330,090.13	0.10880	0.11003	326,720.73	330,420.13	0.10891	0.11014		330.00	330.00	0.10%	0.10%
400	4,000,000	404,547.03	415,109.83	0.10114	0.10378	404,987.03	415,549.83	0.10125	0.10389		440.00	440.00	0.11%	
500	5,000,000	481,181.13	499,514.13	0.09624	0.09990	481,731.13	500,064.13	0.09635	0.10001		550.00	550.00	0.11%	
600	6,000,000	557,648.43	583,793.23	0.09294	0.09730	558,308.43	584,453.23		0.09741		660.00	660.00	0.12%	
									20,000	KW				
200	4,000,000	489,087.43	487,373.83	0.12227	0.12184	489,527.43	487,813.83	0.12238	0.12195	144	440.00	440.00	0.000/	0.000/
300	6,000,000	652,628.83	660,027.63	0.10877	0.11000	653,288.83	660,687.63	0.12230	0.12193		660.00	440.00 660.00	0.09%	0.09%
400	8,000,000	808,941.43	830,067.03	0.10112	0.10376	809,821.43	830,947.03	0.10123	0.11011		880.00		0.10%	0.10%
500	10,000,000	962,209.63	998,875.63	0.09622	0.09989	963,309.63	999.975.63	0.10123	0.10000			880.00	0.11%	0.11%
600	12,000,000	1,115,144.23	1,167,433.83	0.09293	0.09729	1,116,464.23	1,168,753.83	0.09334	0.09740		1,100.00	1,100.00	0.11%	0.11%
	,,	1,110,111.20	1,107,100.00	0.00200	0.00720	1,110,404.23	1,100,755.65	0.09304	0.09740		1,320.00	1,320.00	0.12%	0.11%
									30,000	KW				
200	6,000,000	733,554.83	730,984.43	0.12226	0.12183	734,214.83	731,644.43	0.12237	0.12194		660.00	660.00	0.09%	0.09%
300	9,000,000	978,866.93	989,965.13	0.10876	0.11000	979,856.93	990,955.13	0.10887	0.11011		990.00	990.00	0.10%	0.10%
400	12,000,000	1,213,335.83	1,245,024.23	0.10111	0.10375	1,214,655.83	1,246,344.23	0.10122	0.10386		1,320.00	1,320.00	0.11%	0.11%
500	15,000,000	1,443,238.13	1,498,237.13	0.09622	0.09988	1,444,888.13	1,499,887.13	0.09633	0.09999		1,650.00	1,650.00	0.11%	0.11%
600	18,000,000	1,672,640.03	1,751,074.43	0.09292	0.09728	1,674,620.03	1,753,054.43	0.09303	0.09739		1,980.00	1,980.00	0.12%	0.11%
									40,000	KW				
200	8,000,000	978,022.23	974,595.03	0.12225	0.12182	978,902.23	975,475.03	0.12236	0.12193	PLVV	880.00	000.00	0.000/	0.000/
300	12,000,000	1,305,105.03	1,319,902.63	0.10876	0.10999	1,306,425.03	1,321,222.63	0.12230	0.12193		1,320.00	880.00	0.09%	0.09%
400	16,000,000	1,617,730.23	1,659,981.43	0.10111	0.10375	1,619,490.23	1,661,741.43	0.10007	0.11010			1,320.00	0.10%	0.10%
500	20,000,000	1,924,266.63	1,997,598.63	0.09621	0.09988	1,926,466.63	1,999,798.63	0.10122	0.09999		1,760.00	1,760.00	0.11%	0.11%
600	24,000,000	2,230,135.83	2,334,715.03	0.09292	0.09728	2,232,775.83	2,337,355.03	0.09303	0.09999		2,200.00 2,640.00	2,200.00 2,640.00	0.11% 0.12%	0.11% 0.11%
K/V/U	DISTRIBUTION												0.1270	0.1170
KVVIII	DISTRIBUTION	ON PK	INT	OFF DI				PRESENT				PROPOSED		
200	HOURS USE =		INT	OFF PK										
		31%	29%	40%					WINTER			SUMMER	WINTER	
	HOURS USE =	33%	27%	40%			CUSTOMER	152.63	152.63		CUSTOMER	152.63	152.63	
	HOURS USE =	30%	26%	44%			DEMAND (kW)				DEMAND (kW)			
	HOURS USE =	27%	25%	48%			On Peak	1.1450	0.0000		On Peak	1.1450	0.0000	
600	HOURS USE =	25%	24%	51%			Maximum	7.1186	7.1186		Maximum	7.1186	7.1186	

On Peak

Int Peak

Off Peak

ENERGY (kWh)

SURCHARGES

0.07900

0.06475

0.05641

0.01508

0.07495

0.07304

0.06678

0.01508

On Peak

Int Peak

Off Peak

ENERGY (kWh)

SURCHARGES

0.06475

0.07900 0.07495

0.05641 0.06678

0.01519 0.01519

0.07304

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND PROJECT CHARGE - YEAR 2 SCHEDULE "GT 3B" DISTRICT OF COLUMBIA

HOURS				PRESENT 'GT-	B'			'GT- 3B'			INCREASE				
USE	KWH		\$ AMOUN		\$/K\		\$ AMOUI	NT OF BILL		(WH	-	(\$)	(\$)	(%)	(%)
			SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER		SUMMER	WINTER	SUMMER	WINTER
							MAXIMUM AND C	N PEAK DEMAND	=	10,000	KW				
200		2,000,000	275,474.77	275,474.7		0.13774	275,494.77	275,494.77	0.13775	0.13775		20.00	20.0	0.01%	0.01%
300		3,000,000	396,850.97	396,850.9			396,880.97	396,880.97	0.13229	0.13229		30.00	30.0		0.01%
400		4,000,000	518,227.17	518,227.1			518,267.17	518,267.17	0.12957	0.12957		40.00			0.01%
500		5,000,000	639,603.37	639,603.3			639,653.37	639,653.37	0.12793	0.12793		50.00			0.01%
600	0	6,000,000	760,979.57	760,979.5	0.12683	0.12683	761,039.57	761,039.57	0.12684	0.12684		60.00			0.019
										20,000	KW				
200		4,000,000	549,815.17	549,815.1		0.13745	549,855.17			0.13746		40.00	40.0	0.01%	0.01%
300		6,000,000	792,567.57	792,567.5			792,627.57			0.13210		60.00	60.0	0.01%	0.01%
400		8,000,000	1,035,319.97	1,035,319.9			1,035,399.97			0.12942		80.00	80.0	0.01%	0.01%
500		10,000,000	1,278,072.37	1,278,072.3			1,278,172.37		0.12782	0.12782		100.00	100.0	0.01%	0.01%
600	D .	12,000,000	1,520,824.77	1,520,824.7	0.12674	0.12674	1,520,944.77	1,520,944.77	0.12675	0.12675		120.00	120.0	0.01%	0.01%
										30,000	KW				
200		6,000,000	824,155.57	824,155.5			824,215.57			0.13737		60.00	60.0	0.01%	0.01%
300		9,000,000	1,188,284.17	1,188,284.1			1,188,374.17			0.13204		90.00	90.0	0.01%	0.01%
400		12,000,000	1,552,412.77	1,552,412.7			1,552,532.77			0.12938		120.00	120.0	0.01%	0.01%
500		15,000,000	1,916,541.37	1,916,541.3			1,916,691.37			0.12778		150.00	150.0	0.01%	0.01%
600)	18,000,000	2,280,669.97	2,280,669.9	0.12670	0.12670	2,280,849.97	2,280,849.97	0.12671	0.12671		180.00	180.0	0.01%	0.01%
										40,000	KW				
200		8,000,000	1,098,495.97	1,098,495.9			1,098,575.97			0.13732		80.00	80.0	0.01%	0.01%
300		12,000,000	1,584,000.77	1,584,000.7			1,584,120.77			0.13201		120.00		0.01%	0.01%
400		16,000,000	2,069,505.57	2,069,505.5			2,069,665.57			0.12935		160.00	160.0	0.01%	0.01%
500		20,000,000	2,555,010.37	2,555,010.3			2,555,210.37			0.12776		200.00	200.0	0.01%	0.01%
600)	24,000,000	3,040,515.17	3,040,515.1	0.12669	0.12669	3,040,755.17	3,040,755.17	0.12670	0.12670		240.00	240.0	0.01%	0.01%
K	WH DISTRIE		-						PRESENT				PROPOSED		
200	HOURS US		ON PK 31%	INT 29%	OFF PK 40%				SUMMER	WINTER				3 200000000	
	HOURS US		33%	27%	40%			CUSTOMER					SUMMER	WINTER	
	HOURS US		30%	26%	44%				1134.37	1134.37		CUSTOMER	1134.3	7 1134.37	
	HOURS US		27%	25%	48%			DEMAND (kW)				DEMAND (kW)			
	HOURS US		25%	24%	51%			On Peak	1.0636	1.0636		On Peak	1.063		
000	HOURS US	-	25%	24%	51%			Maximum	2.0952	2.0952		Maximum	2.095	2 2.0952	
								ENERGY (kWh)	- Control Edward		Ш	ENERGY (kWh)			
								On Peak	0.10790	0.10790		On Peak	0.1079		
								Int Peak	0.10790	0.10790		Int Peak	0.1079		
								Off Peak	0.10790	0.10790		Off Peak	0.1079	0.10790	
								SURCHARGES	0.01348	0.01348		SURCHARGES	0.0134	9 0.01349	

POTOMAC ELECTRIC POWER COMPANY
BILL IMPACTS - UNDERGROUND RIDER - YEAR 1
SCHEDULE "R"
DISTRICT OF COLUMBIA

	PRESENT SCHEDULE R				PROPOSEI	PROPOSED SCHEDULE R INCREASE								
KWH	\$ AMOUN	T OF BILL	\$/K\	WH	\$ AMOUN	T OF BILL	\$/K	ΛΗ	(\$)	(\$)	(%)	(%)	(\$)	(%)
	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER		ANNUAL	ANNUAL
0	15.21	15.40	-	-	15.21	15.40	-	-	0.00	0.00	0.00%	0.00%	0.00	0.00%
10	15.39	15.58	1.53900	1.55800	15.40	15.59	1.54000	1.55900	0.01	0.01	0.06%	0.06%	0.01	0.06%
20	15.57	15.76	0.77850	0.78800	15.60	15.79	0.78000	0.78950	0.03	0.03	0.19%	0.19%	0.03	0.19%
30	15.75	15.94	0.52500	0.53133	15.79	15.98	0.52633	0.53267	0.04	0.04	0.25%	0.25%	0.04	0.25%
40	16.75	16.94	0.41875	0.42350	16.81	17.00	0.42025	0.42500	0.06	0.06	0.36%	0.35%	0.06	0.36%
50	17.76	17.95	0.35520	0.35900	17.83	18.02	0.35660	0.36040	0.07	0.07	0.39%	0.39%	0.07	0.39%
100	22.78	22.07	0.00700	0.00070	00.00	00.40				81.00				
200	32.82	22.97 33.01	0.22780 0.16410	0.22970	22.93	23.12	0.22930	0.23120	0.15	0.15	0.66%	0.65%	0.15	0.66%
300	42.86	43.05		0.16505	33.13	33.32	0.16565	0.16660	0.31	0.31	0.94%	0.94%	0.31	0.94%
400	52.91	53.10	0.14287 0.13228	0.14350	43.33	43.52	0.14443	0.14507	0.47	0.47	1.10%	1.09%	0.47	1.09%
500	64.36	63.89	0.13228	0.13275 0.12778	53.53	53.72	0.13383	0.13430	0.62	0.62	1.17%	1.17%	0.62	1.17%
600	75.81	74.69	0.12672	0.12778	65.13	64.67	0.13026	0.12934	0.77	0.78	1.20%	1.22%	0.78	1.21%
000	75.01	74.09	0.12035	0.12440	76.74	75.62	0.12790	0.12603	0.93	0.93	1.23%	1.25%	0.93	1.24%
700	87.26	85.49	0.12466	0.12213	88.34	86.57	0.12620	0.12367	1.08	1.08	1.24%	4 000/	4.00	4.050/
750	92.98	90.88	0.12397	0.12117	94.15	92.05	0.12553	0.12307	1.17	1.17	1.24%	1.26%	1.08	1.25%
800	98.71	96.28	0.12339	0.12035	99.95	97.52	0.12494	0.12190	1.24	1.17	1.26%	1.29% 1.29%	1.17	1.28%
850	104.43	101.68	0.12286	0.11962	105.75	103.00	0.12441	0.12130	1.32	1.32	1.26%	1.29%	1.24	1.27%
900	110.16	107.08	0.12240	0.11898	111.55	108.47	0.12394	0.12110	1.39	1.32	1.26%	1.30%	1.32 1.39	1.28%
950	115.88	112.48	0.12198	0.11840	117.36	113.95	0.12354	0.11995	1.48	1.47	1.28%	1.31%		1.28%
	, ,,,,,,		0.12100	0.11010	117.00	110.00	0.12004	0.11995	1.40	1.47	1.20%	1.31%	1.47	1.29%
1,000	121.61	117.88	0.12161	0.11788	123.16	119.43	0.12316	0.11943	1.55	1.55	1.27%	1.31%	1.55	1.30%
1,250	150.24	144.87	0.12019	0.11590	152.17	146.80	0.12174	0.11744	1.93	1.93	1.28%	1.33%	1.93	1.31%
1,500	178.86	171.86	0.11924	0.11457	181.19	174.18	0.12079	0.11612	2.33	2.32	1.30%	1.35%	2.32	1.33%
1,750	207.49	198.85	0.11857	0.11363	210.20	201.56	0.12011	0.11518	2.71	2.71	1.31%	1.36%	2.71	1.34%
2,000	236.11	225.84	0.11806	0.11292	239.21	228.94	0.11961	0.11447	3.10	3.10	1.31%	1.37%	3.10	1.35%
2,250	264.74	252.83	0.11766	0.11237	268.23	256.32	0.11921	0.11392	3.49	3.49	1.32%	1.38%	3.49	1.35%
											1.0270	1.0070	0.40	1.00 /0
2,500	293.37	279.82	0.11735	0.11193	297.24	283.70	0.11890	0.11348	3.87	3.88	1.32%	1.39%	3.88	1.36%
3,000	350.62	333.80	0.11687	0.11127	355.27	338.45	0.11842	0.11282	4.65	4.65	1.33%	1.39%	4.65	1.36%
3,500	407.87	387.79	0.11653	0.11080	413.30	393.21	0.11809	0.11235	5.43	5.42	1.33%	1.40%	5.42	1.37%
4,000	465.12	441.77	0.11628	0.11044	471.32	447.97	0.11783	0.11199	6.20	6.20	1.33%	1.40%	6.20	1.37%
5,000	579.63	549.73	0.11593	0.10995	587.38	557.48	0.11748	0.11150	7.75	7.75	1.34%	1.41%	7.75	1.38%

	PRE	SENT	PROPOSED				
BLOCK	SUMMER	WINTER	SUMMER	WINTER			
*							
Customer &							
Minimum Charges	15.44	15.63	15.44	15.63			
Next 370 kWh	0.09014	0.09014	0.09014	0.09014			
Excess kWh	0.10421	0.09767	0.10421	0.09767			
Surcharges	0.01030	0.01030	0.01185	0.01185			

^{*} Includes Distribution Customer Charge, Generation Minimum Charge and Transmission Minimum Charge (Distribution Customer Charge includes the first 30 kWh of consumption at the initial block of volumetric rate)

75 0.00155 12

2 3

365 0.03439726

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 1 SCHEDULE "AE" DISTRICT OF COLUMBIA

	PRESENT SCHEDULE AE				PROPOSED SCHEDULE AE				INCREASE					
KWH	\$ AMOUNT		\$/K		\$ AMOUNT	OF BILL	\$/K\	WH .	(\$)	(\$)	(%)	(%)	(\$)	(%)
	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER		ANNUAL	
	90.00													
0	15.18	15.33	-	-	15.18	15.33	-	-	0.00	0.00	0.00%	0.00%	0.00	0.00%
10	15.34	15.49	1.53400	1.54900	15.36	15.51	1.53600	1.55100	0.02	0.02	0.13%	0.13%	0.02	0.13%
20	15.51	15.66	0.77550	0.78300	15.53	15.68	0.77650	0.78400	0.02	0.02	0.13%	0.13%	0.02	0.13%
30	15.67	15.82	0.52233	0.52733	15.71	15.86	0.52367	0.52867	0.04	0.04	0.26%	0.25%	0.04	0.25%
40	16.56	16.76	0.41400	0.41900	16.61	16.81	0.41525	0.42025	0.05	0.05	0.30%	0.30%	0.05	0.30%
50	17.45	17.71	0.34900	0.35420	17.52	17.77	0.35040	0.35540	0.07	0.06	0.40%	0.34%	0.06	0.36%
100	21.92	22.43	0.21920	0.22430	22.04	22.55	0.22040	0.22550	0.12	0.12	0.55%	0.53%	0.12	0.54%
200	30.84	31.87	0.15420	0.15935	31.09	32.12	0.15545	0.16060	0.25	0.25	0.81%	0.78%	0.12	0.80%
300	39.76	41.31	0.13253	0.13770	40.13	41.68	0.13377	0.13893	0.23	0.23	0.93%	0.76%	0.23	0.80%
400	48.68	50.75	0.12170	0.12688	49.18	51.25	0.12295	0.12813	0.50	0.50	1.03%	0.99%	0.50	1.00%
500	59.18	60.71	0.11836	0.12142	59.80	61.33	0.11960	0.12266	0.62	0.62	1.05%	1.02%	0.62	1.03%
600	69.67	70.67	0.11612	0.11778	70.42	71.41	0.11737	0.11902	0.75	0.74	1.08%	1.05%	0.74	1.06%
										•	1.0070	1.0070	0.74	1.0070
700	80.17	80.63	0.11453	0.11519	81.04	81.49	0.11577	0.11641	0.87	0.86	1.09%	1.07%	0.86	1.07%
750	85.42	85.60	0.11389	0.11413	86.35	86.53	0.11513	0.11537	0.93	0.93	1.09%	1.09%	0.93	1.09%
800	90.67	90.58	0.11334	0.11323	91.66	91.58	0.11458	0.11448	0.99	1.00	1.09%	1.10%	1.00	1.10%
850	95.91	95.56	0.11284	0.11242	96.97	96.62	0.11408	0.11367	1.06	1.06	1.11%	1.11%	1.06	1.11%
900	101.16	100.54	0.11240	0.11171	102.28	101.66	0.11364	0.11296	1.12	1.12	1.11%	1.11%	1.12	1.11%
950	106.41	105.52	0.11201	0.11107	107.59	106.70	0.11325	0.11232	1.18	1.18	1.11%	1.12%	1.18	1.11%
1,000	111.66	110.50	0.11166	0.11050	112.90	111.74	0.11290	0.11174	1.24	1.24	1.11%	1.12%	1.24	1.12%
1,250	137.90	135.39	0.11032	0.10831	139.45	136.94	0.11156	0.10955	1.55	1.55	1.12%	1.14%	1.55	1.14%
1,500	164.14	160.29	0.10943	0.10686	166.00	162.15	0.11067	0.10810	1.86	1.86	1.13%	1.16%	1.86	1.15%
1,750	190.38	185.18	0.10879	0.10582	192.55	187.35	0.11003	0.10706	2.17	2.17	1.14%	1.17%	2.17	1.16%
2,000	216.62	210.08	0.10831	0.10504	219.10	212.56	0.10955	0.10628	2.48	2.48	1.14%	1.18%	2.48	1.17%
2,250	242.86	234.97	0.10794	0.10443	245.65	237.76	0.10918	0.10567	2.79	2.79	1.15%	1.19%	2.79	1.17%
2,500	269.10	259.87	0.10764	0.10395	272.20	262.97	0.10888	0.10519	3.10	3.10	1.15%	1.19%	3.10	1.18%
3,000	321.58	309.66	0.10719	0.10322	325.30	313.38	0.10843	0.10446	3.72	3.72	1.16%	1.20%	3.72	1.18%
3,500	374.06	359.45	0.10687	0.10270	378.40	363.79	0.10811	0.10394	4.34	4.34	1.16%	1.21%	4.34	1.19%
4,000	426.54	409.24	0.10664	0.10231	431.50	414.20	0.10711	0.10354	4.96	4.96	1.16%	1.21%	4.96	1.19%
5,000	531.49	508.82	0.10630	0.10176	537.69	515.02	0.10754	0.10300	6.20	6.20	1.17%	1.21%		
-,		000.02	3. 10000	5.10170	007.00	313.02	0.10754	0.10300	0.20	0.20	1.17%	1.2270	6.20	1.20%

	PRE	SENT	PROPOSED			
BLOCK	SUMMER	WINTER	SUMMER	WINTER		
*						
Customer & Minimum						
Charges	15.43	15.58	15.43	15.58		
Next 370 kWh	0.08112	0.08631	0.08112	0.08631		
Excess kWh	0.09686	0.09148	0.09686	0.09148		
Surcharges	0.00810	0.00810	0.00934	0.00934		

^{*} Includes Distribution Customer Charge, Generation Minimum Charge and Transmission Minimum Charge (Distribution Customer Charge includes the first 30 kWh of consumption at the initial block of volumetric rate)

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 1 SCHEDULE "R-TM" DISTRICT OF COLUMBIA

		PRESENT					POSED R-TM					INCREASE			
KWH	\$ AMOUNT		\$/K			IT OF BILL			WH	(\$)	(\$)	(%)	(%)	(\$)	(%)
	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUI	MMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	ANNUAL	
1,000	150.58	156.18	0.15058	0.15618	155.39	160.99		15539	0.16099	4.81	4.81	3.19%	3.08%	4.81	3.13%
1,500	217.11	225.52	0.14474	0.15035	224.32	232.73	0.	14955	0.15515	7.21	7.21	3.32%	3.20%	7.21	3.25%
2,000	283.64	294.85	0.14182	0.14743	293.26	304.47		14663	0.15224	9.62	9.62	3.39%	3.26%	9.62	3.32%
2,500	350.16	364.18	0.14006	0.14567	362.19	376.21		14488	0.15048	12.03	12.03	3.44%	3.30%	12.03	3.36%
3,000	416.69	433.51	0.13890	0.14450	431.12	447.94		14371	0.14931	14.43	14.43	3.46%	3.33%	14.43	3.38%
3,500	483.22	502.85	0.13806	0.14367	500.06	519.68	0.	14287	0.14848	16.84	16.83	3.48%	3.35%	16.83	3.40%
4,000	549.75	572.18	0.13744	0.14305	568.99	591.42	0	14225	0.14786	19.24	19.24	3.50%	3.36%	19.24	3.42%
4,500	616.28	641.51	0.13695	0.14256	637.93	663.15	0.	14176	0.14737	21.65	21.64	3.51%		21.64	3.43%
5,000	682.81	710.84	0.13656	0.14217	706.86	734.89	0.1	14137	0.14698	24.05	24.05	3.52%		24.05	3.44%
5,500	749.34	780.17	0.13624	0.14185	775.79	806.63	0.1	14105	0.14666	26.45	26.46	3.53%		26.46	3.45%
6,000	815.87	849.51	0.13598	0.14159	844.73	878.37	0.1	14079	0.14640	28.86	28.86	3.54%		28.86	3.45%
6,500	882.40	918.84	0.13575	0.14136	913.66	950.10	0.	14056	0.14617	31.26	31.26	3.54%		31.26	3.46%
7,000	948.92	988.17	0.13556	0.14117	982.59	1,021.84	0.	14037	0.14598	33.67	33.67	3.55%	3.41%	33.67	3.46%
7,500	1,015.45	1,057.50	0.13539	0.14100	1,051.53	1,093.58		14020	0.14581	36.08	36.08	3.55%		36.08	3.47%
8,000	1,081.98	1,126.83	0.13525	0.14085	1,120.46	1,165.31		14006	0.14566	38.48	38.48	3.56%		38.48	3.47%
8,500	1,148.51	1,196.17	0.13512	0.14073	1,189.40	1,237.05		13993	0.14554	40.89	40.88	3.56%		40.88	3.48%
9,000	1,215.04	1,265.50	0.13500	0.14061	1,258.33	1,308.79	0.1	13981	0.14542	43.29	43.29	3.56%		43.29	3.48%
9,500	1,281.57	1,334.83	0.13490	0.14051	1,327.26	1,380.53	0.	13971	0.14532	45.69	45.70	3.57%		45.70	3.48%
10,000	1,348.10	1,404.16	0.13481	0.14042	1,396.20	1,452.26	0.	13962	0.14523	48.10	48.10	3.57%	3.43%	48.10	3.48%
11,000	1,481.16	1,542.83	0.13465	0.14026	1,534.07	1,595.74		13946	0.14507	52.91	52.91	3.57%	3.43%	52.91	3.49%
12,000	1,614.21	1,681.49	0.13452	0.14012	1,671.93	1,739.21		13933	0.14493	57.72	57.72	3.58%	3.43%	57.72	3.49%
13,000	1,747.27	1,820.16	0.13441	0.14001	1,809.80	1,882.69		13922	0.14482	62.53	62.53	3.58%	3.44%	62.53	3.49%
14,000	1,880.33	1,958.82	0.13431	0.13992	1,947.67	2,026.16		13912	0.14473	67.34	67.34	3.58%	3.44%	67.34	3.50%
15,000	2,013.39	2,097.49	0.13423	0.13983	2,085.54	2,169.64	0.1	13904	0.14464	72.15	72.15	3.58%	3.44%	72.15	3.50%
17,500	2,346.03	2,444.15	0.13406	0.13967	2,430.21	2,528.32	0.	13887	0.14448	84.18	84.17	3.59%	3.44%	84.17	3.50%
20,000	2,678.68	2,790.81	0.13393	0.13954	2,774.88	2,887.01		13874	0.14435	96.20	96.20	3.59%	3.45%	96.20	3.51%
22,500	3,011.32	3,137.47	0.13384	0.13944	3,119.55	3,245.69		13865	0.14425	108.23	108.22	3.59%	3.45%	108.22	3.51%
25,000	3,343.97	3,484.13	0.13376	0.13937	3,464.22	3,604.38		13857	0.14418	120.25	120.25	3.60%	3.45%	120.25	3.51%
KWH DIST	TRIBUTION								PRESENT			PROPOSED	1		
				OFF PK					TALOLINI			I NOFUSED			
	R HOURS USE =	29%		46%					SUMMER	WINTER		SUMMER	WINTER		
ALL WINTER	HOURS USE =	22%	25%	53%			CUSTOMER		17.52	17.52	CUSTOMER	17.52	17.52		
							ENERGY (kWh)		0.40005	0.40040	ENERGY (kWh)				

On Peak

Off Peak

Intermediate

Surcharges

0.12905

0.11885

0.11474

0.01314

0.12810

0.12706

0.12373

0.01314

On Peak

Off Peak

Intermediate

Surcharges

0.12905 0.12810

0.11885 0.12706

0.11474 0.12373 0.01795 0.01795

Appendix M Page 24 of 40

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 1 SCHEDULE "GS ND" DISTRICT OF COLUMBIA PRESENT GS ND

SAMOLINT OF BILL SAWJH SAMOLINT OF BILL SAWJH SAMOLINT OF BILL SAWJHER SUMMER WINTER	PRESENT GS ND						PROPOSED	OC ND							
SUMMER WINTER SUMMER WINTER SUMMER WINTER SUMMER WINTER SUMMER WINTER SUMMER WINTER ANNUAL 0 23.39 23.39 23.39 23.39 20.39 0.00 0.00 0.00 0.00 0.00 0.00% 0	KWH	S AMOUNT			\A/L	C AMOUN		GS_ND				INCREASE			
0	IXVIII					AGENTAL TO STREET TO SELECT									
10		SOMMEN	VVIIVIER	SUMMER	VVIIVIER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	ANNUAL	ANNUAL
10	0	23 30	23 30			22.20	22.20			0.00		2.222			
20				2 45100	2 44000			0.45400	- 45000						1100 100 40 40 40 40 40
30 28.76 26.69 0.89200 0.88967 28.84 28.78 0.89467 0.89267 0.00 0.00 0.27, 40 0.27,															
40 27.88 27.79 0.69700 0.69475 28.00 27.91 0.70000 0.99775 0.12 0.12 0.43% 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12														0.06	0.23%
50														0.09	0.32%
100 34.61 34.40 0.34610 0.34400 34.90 34.69 0.34690 0.34690 0.29 0.29 0.29 0.84% 0.84% 0.29 0.84% 150 40.22 39.90 0.28813 0.26800 40.66 40.35 0.27107 0.26900 0.44 0.45 1.09% 1.13% 0.45 1.11% 200 45.83 45.41 0.22915 0.22705 46.42 46.00 0.23210 0.23000 0.59 0.59 1.29% 1.30% 0.59 1.29% 1.50% 1.50% 0.50%														0.12	0.43%
150 40.22 39.90 0.28613 0.28610 40.86 40.35 0.27107 0.28800 0.44 0.45 1.09% 1.13% 0.45 1.11% 200 45.83 45.41 0.22915 0.22705 46.42 46.00 0.23210 0.23010 0.59 0.59 1.29% 1.39% 0.45 1.11% 250 51.44 50.91 0.20576 0.20864 52.18 51.65 0.20866 0.74 0.74 1.44% 1.45% 0.74 1.45% 300 57.04 56.41 0.19013 0.18803 57.93 57.30 0.19310 0.19100 0.89 0.89 1.569% 1.58% 0.89 1.56	50	29.00	28.89	0.58000	0.57780	29.15	29.04	0.58300	0.58080	0.15	0.15	0.52%	0.52%	0.15	0.52%
150 40.22 39.90 0.28613 0.28610 40.86 40.35 0.27107 0.28800 0.44 0.45 1.09% 1.13% 0.45 1.11% 200 45.83 45.41 0.22915 0.22705 46.42 46.00 0.23210 0.23010 0.59 0.59 1.29% 1.39% 0.45 1.11% 250 51.44 50.91 0.20576 0.20864 52.18 51.65 0.20866 0.74 0.74 1.44% 1.45% 0.74 1.45% 300 57.04 56.41 0.19013 0.18803 57.93 57.30 0.19310 0.19100 0.89 0.89 1.569% 1.58% 0.89 1.56	100	34.61	34.40	0.24640	0.24400	24.00	24.00	0.04000	0.01000						
200 45.83 45.41 0.22915 0.22705 46.42 46.00 0.23210 0.23000 0.59 0.59 1.09% 1.130% 0.59 1.29% 250 51.44 50.91 0.20576 0.20384 52.18 51.65 0.20872 0.20660 0.74 0.74 1.44% 1.45% 0.74 1.45% 0.74 1.46% 1.69% 0.78 1.19% 1.19 0.159% 1.39% 1.19% 1.19 1.74% 1.77% 1.19 1.76% 400 68.25 67.42 0.17065 0.16855 69.45 68.61 0.17363 0.17153 1.19 1.19 1.74% 1.77% 1.19 1.76% 1.68 1.09% 1.19% 1.19 1.79 1.74% 1.77% 1.19 1.76% 1.19% 1.19 1.19 1.74% 1.77% 1.19 1.76% 1.19% 1.19 1.19 1.74% 1.77% 1.19 1.76% 1.19% 1.19 1.19 1.74% 1.77% 1.19 1.76% 1.19% 1.19 1.19 1.74% 1.77% 1.19 1.76% 1.19% 1.19 1.19 1.74% 1.77% 1.19 1.76% 1.19% 1			35. 55 (8.50)											0.29	0.84%
250 51.44 50.91 0.20576 0.20364 52.18 51.65 0.20672 0.20660 0.74 0.74 1.44% 1.45% 0.74 1.45% 0.75% 0.74 1.45% 0.75														0.45	1.11%
300 57.04 56.41 0.19013 0.18803 57.93 57.30 0.19310 0.19100 0.89 0.89 1.56% 1.58% 0.89 1.55% 400 68.26 67.42 0.17065 0.16855 69.45 68.61 0.17363 0.17163 1.19 1.19 1.74% 1.77% 1.19 1.76% 500 79.48 78.43 0.15896 0.15686 80.96 79.91 0.16192 0.15982 1.48 1.48 1.86% 1.88% 1.88% 600 99.70 89.44 0.15117 0.14907 92.48 91.22 0.15413 0.15203 1.78 1.78 1.78 1.96% 1.99% 1.78 1.99% 1.78 1.99% 1.78 1.99% 1.78 1.99% 1.78 1.99% 1.78 1.99% 1.18 1.96% 1.99% 1.78 1.99% 1.18 1.96% 1.99% 1.78 1.99% 1.18 1.96% 1.99% 1.78 1.99% 1.78 1.99% 1.78 1.99% 1.18 1.96% 1.99% 1.78 1.99%														0.59	1.29%
400 68.26 67.42 0.17065 0.16855 69.45 68.61 0.17363 0.17153 1.19 1.19 1.74% 1.77% 1.99 1.19 1.76% 1.76														0.74	1.45%
500 79.48 78.43 0.15896 0.15686 80.96 79.91 0.16192 0.15982 1.48 1.48 1.86% 1.89% 1.48 1.88% 600 90.70 89.44 0.15117 0.14907 92.48 91.22 0.15413 0.15203 1.78 1.78 1.99% 1.78 1.99% 1.78 1.99% 700 101.92 100.45 0.14580 0.14350 103.99 102.52 0.14856 0.14646 2.07 2.07 2.03% 2.06% 2.07 2.05% 800 113.14 111.46 0.14143 0.13933 115.50 113.82 0.14428 0.14228 2.36 2.36 2.09% 2.12% 2.36 2.10% 900 124.35 122.46 0.13817 0.13607 127.02 125.13 0.14113 0.13903 2.67 2.67 2.15% 2.18% 2.27 2.77 1.000 135.57 133.47 0.13557 0.13347 138.53 136.43 0.13853 0.13643 2.96 2.96 2.18% 2.22% 2.96 2.20% 1.250 13.8												1.56%	1.58%	0.89	1.57%
600 90.70 89.44 0.15117 0.14907 92.48 91.22 0.15413 0.15203 1.78 1.78 1.98% 1.99% 1.78 1.98% 700 101.92 100.45 0.14560 0.14350 103.99 102.52 0.14856 0.14646 2.07 2.07 2.07 2.03% 2.06% 2.07 2.05% 800 113.14 111.46 0.14143 0.13933 115.50 113.82 0.14438 0.14228 2.36 2.36 2.36 2.09% 2.12% 2.36 2.10% 900 124.35 122.46 0.13817 0.13607 127.02 125.13 0.14113 0.13903 2.67 2.67 2.67 2.15% 2.18% 2.27 2.96 2.10% 135.57 133.47 0.13557 0.13347 138.53 136.43 0.13853 0.138643 2.96 2.96 2.18% 2.22% 2.96 2.20% 1.500 191.66 188.51 0.12777 0.12567 196.10 192.95 0.13073 0.12863 4.44 4.44 2.32% 2.38% 4.44 2.34% 1.750 219.71 216.03 0.12555 0.12345 224.89 221.21 0.12851 0.12641 5.18 5.18 5.18 2.36% 2.40% 2.40% 2.500 247.75 243.55 0.12388 0.12178 253.67 249.47 0.12684 0.12474 5.92 5.92 2.39% 2.40% 5.18 2.38% 2.40% 3.500 33.84 298.59 0.12158 0.11788 368.82 362.52 0.12240 7.40 7.40 2.44% 2.43% 5.92 2.41% 3.500 359.94 353.64 0.11998 0.11788 368.82 362.52 0.12240 7.40 7.40 7.40 2.44% 2.48% 7.40 2.46% 3.500 472.12 463.72 0.11803 0.11593 483.96 475.56 0.12099 0.11889 11.84 11.84 2.51% 2.55% 10.36 2.52% 4.000 472.12 463.72 0.11803 0.11593 483.96 475.56 0.12099 0.11889 11.84 11.84 2.51% 2.55% 11.84 2.55% 5.000 584.30 573.80 0.11686 0.11476 599.10 588.60 0.11962 0.11772 14.80 14.80 2.53% 2.56% 14.80 2.56% 6.000 696.48 683.88 0.11608 0.11398 714.24 701.64 0.11904 0.11694 17.76 17.76 2.55% 2.60% 17.76 2.55%	400	68.26	67.42	0.17065	0.16855	69.45	68.61	0.17363	0.17153	1.19	1.19	1.74%	1.77%	1.19	1.76%
600 90.70 89.44 0.15117 0.14907 92.48 91.22 0.15413 0.15203 1.78 1.78 1.98% 1.99% 1.78 1.98% 700 101.92 100.45 0.14560 0.14350 103.99 102.52 0.14856 0.14646 2.07 2.07 2.07 2.03% 2.06% 2.07 2.05% 800 113.14 111.46 0.14143 0.13933 115.50 113.82 0.14438 0.14228 2.36 2.36 2.36 2.09% 2.12% 2.36 2.10% 900 124.35 122.46 0.13817 0.13607 127.02 125.13 0.14113 0.13903 2.67 2.67 2.67 2.15% 2.18% 2.27 2.96 2.10% 135.57 133.47 0.13557 0.13347 138.53 136.43 0.13853 0.138643 2.96 2.96 2.18% 2.22% 2.96 2.20% 1.500 191.66 188.51 0.12777 0.12567 196.10 192.95 0.13073 0.12863 4.44 4.44 2.32% 2.38% 4.44 2.34% 1.750 219.71 216.03 0.12555 0.12345 224.89 221.21 0.12851 0.12641 5.18 5.18 5.18 2.36% 2.40% 2.40% 2.500 247.75 243.55 0.12388 0.12178 253.67 249.47 0.12684 0.12474 5.92 5.92 2.39% 2.40% 5.18 2.38% 2.40% 3.500 33.84 298.59 0.12158 0.11788 368.82 362.52 0.12240 7.40 7.40 2.44% 2.43% 5.92 2.41% 3.500 359.94 353.64 0.11998 0.11788 368.82 362.52 0.12240 7.40 7.40 7.40 2.44% 2.48% 7.40 2.46% 3.500 472.12 463.72 0.11803 0.11593 483.96 475.56 0.12099 0.11889 11.84 11.84 2.51% 2.55% 10.36 2.52% 4.000 472.12 463.72 0.11803 0.11593 483.96 475.56 0.12099 0.11889 11.84 11.84 2.51% 2.55% 11.84 2.55% 5.000 584.30 573.80 0.11686 0.11476 599.10 588.60 0.11962 0.11772 14.80 14.80 2.53% 2.56% 14.80 2.56% 6.000 696.48 683.88 0.11608 0.11398 714.24 701.64 0.11904 0.11694 17.76 17.76 2.55% 2.60% 17.76 2.55%	500	70.49	70 42	0.45000	0.45000	22.00	70.04								
700 101.92 100.45 0.14560 0.14350 103.99 102.52 0.14856 0.14646 2.07 2.07 2.03% 2.06% 2.07 2.05% 800 113.14 111.46 0.14143 0.13933 115.50 113.82 0.14438 0.14228 2.36 2.36 2.36 2.09% 2.12% 2.36 2.10% 900 124.35 122.46 0.13817 0.136607 127.02 125.13 0.14113 0.13903 2.67 2.67 2.67 2.15% 2.18% 2.22% 2.96 2.18% 2.22% 2.96 2.18% 2.22% 2.96 2.10% 135.57 133.47 0.13557 0.13347 138.53 136.43 0.13853 0.13643 2.96 2.96 2.18% 2.22% 2.96 2.20% 1,500 191.66 188.51 0.12777 0.12567 196.10 192.95 0.13073 0.12863 4.44 4.44 2.32% 2.36% 4.44 2.34% 1,750 219.71 216.03 0.1255 0.12345 224.89 221.21 0.12851 0.12641 5.18 5.18 2.36% 2.40% 5.18 2.38% 2,000 247.75 243.55 0.12388 0.12178 253.67 249.47 0.12684 0.12474 5.92 5.92 2.39% 2.43% 5.92 2.41% 2,500 303.84 298.59 0.12154 0.11944 311.24 305.99 0.12450 0.12240 7.40 7.40 7.40 2.44% 2.46% 7.40 2.46% 3,000 359.94 353.64 0.11998 0.11768 368.82 362.52 0.12294 0.12084 8.88 8.88 2.47% 2.51% 8.88 2.49% 3,500 416.03 408.68 0.11887 0.11677 426.39 419.04 0.12183 0.11973 10.36 10.36 2.49% 2.55% 11.84 2.53% 5,000 584.30 573.80 0.11686 0.11476 599.10 588.60 0.11982 0.11772 14.80 14.80 2.55% 2.55% 14.80 2.56% 6,000 696.48 683.88 0.11608 0.11398 714.24 701.64 0.11904 0.11694 17.76 17.76 2.55% 2.60% 17.76 2.55%															
800															
900 124.35 122.46 0.13817 0.13607 127.02 125.13 0.14113 0.13903 2.67 2.67 2.15% 2.18% 2.27% 2.96 2.17% 1,000 135.57 133.47 0.13557 0.13347 138.53 136.43 0.13853 0.13643 2.96 2.96 2.18% 2.22% 2.96 2.20% 1,250 163.62 160.99 0.13090 0.12879 167.32 164.69 0.13386 0.13175 3.70 3.70 2.26% 2.30% 3.70 2.28% 1,500 191.66 188.51 0.12777 0.12567 196.10 192.95 0.13073 0.12863 4.44 4.44 2.32% 2.36% 4.44 2.34% 1,750 219.71 216.03 0.12555 0.12345 224.89 221.21 0.12851 0.12641 5.18 5.18 2.38% 2.40% 5.18 2.38% 2.40% 5.18 2.38% 2.40% 5.18 2.38% 2.500 247.75 243.55 0.12388 0.12178 253.67 249.47 0.12684 0.12474 5.92 5.92 2.39% 2.43% 5.92 2.41% 2.500 303.84 298.59 0.12154 0.11944 311.24 305.99 0.12450 0.12240 7.40 7.40 2.44% 2.48% 7.40 2.46% 3,000 359.94 353.64 0.11998 0.11788 368.82 362.52 0.12294 0.12084 8.88 8.88 2.47% 2.51% 8.88 2.49% 3,500 416.03 408.68 0.11887 0.11677 426.39 419.04 0.12183 0.11973 10.36 10.36 2.49% 2.53% 10.36 2.52% 4,000 472.12 463.72 0.11803 0.11593 483.96 475.56 0.12099 0.11889 11.84 11.84 2.51% 2.55% 10.84 2.59% 6,000 696.48 683.88 0.11608 0.11398 714.24 701.64 0.11904 0.11694 11.76 11.76 17.76 2.55% 2.60% 17.76 2.58%												2.03%	2.06%	2.07	2.05%
1,000 135.57 133.47 0.13557 0.13347 138.53 136.43 0.13853 0.13643 2.96 2.96 2.18% 2.22% 2.96 2.20% 1.1800 1													2.12%	2.36	2.10%
1,250												2.15%	2.18%	2.67	2.17%
1,500	1,000	135.57	133.47	0.13557	0.13347	138.53	136.43	0.13853	0.13643	2.96	2.96	2.18%	2.22%	2.96	2.20%
1,500	1 250	163 63	160.00	0.12000	0.12070	407.00	404.00	0.40000	0.40475						
1,750 219.71 216.03 0.12555 0.12345 224.89 221.21 0.12851 0.12604 5.18 5.18 5.18 2.36% 2.40% 5.18 2.38% 2,000 247.75 243.55 0.12388 0.12178 253.67 249.47 0.12684 0.12474 5.92 5.92 2.39% 2.43% 5.92 2.41% 2,500 303.84 298.59 0.12154 0.11944 311.24 305.99 0.12450 0.12240 7.40 7.40 2.44% 2.48% 7.40 2.46% 3,000 359.94 353.64 0.11998 0.11788 368.82 362.52 0.12294 0.12084 8.88 8.88 2.47% 2.51% 8.88 2.49% 3,500 416.03 408.68 0.11887 0.11677 426.39 419.04 0.12183 0.11973 10.36 10.36 2.49% 2.53% 10.36 2.52% 4,000 472.12 463.72 0.11803 0.11593 483.96 475.56 0.12099 0.11889 11.84 11.84 2.51% 2.55% 11.84 2.53% 5,000 584.30 573.80 0.11686 0.11476 599.10 588.60 0.11982 0.11772 14.80 14.80 2.53% 2.58% 14.80 2.56% 6,000 696.48 683.88 0.11608 0.11398 714.24 701.64 0.11904 0.11694 17.76 17.76 2.55% 2.60% 17.76 2.58%											05/07/05/0				
2,000 247.75 243.55 0.12388 0.12178 253.67 249.47 0.12684 0.12474 5.92 5.92 2.39% 2.43% 5.92 2.41% 2,500 303.84 298.59 0.12154 0.11944 311.24 305.99 0.12450 0.12240 7.40 7.40 2.44% 2.48% 7.40 2.46% 3,000 359.94 353.64 0.11998 0.11788 368.82 362.52 0.12294 0.12084 8.88 8.88 2.47% 2.51% 8.88 2.49% 3,500 416.03 408.68 0.11887 0.11677 426.39 419.04 0.12183 0.11973 10.36 10.36 2.49% 2.53% 10.36 2.52% 4,000 472.12 463.72 0.11803 0.11593 483.96 475.56 0.12099 0.11889 11.84 11.84 2.51% 2.55% 11.84 2.53% 5,000 584.30 573.80 0.11686 0.11476 599.10 588.60 0.11982 0.11772 14.80 14.80 2.53% 2.58% 14.80 2.56% 6,000 696.48 683.88 0.11608 0.11398 714.24 701.64 0.11904 0.11694 17.76 17.76 2.55% 2.60% 17.76 2.58% PRESENT PROPOSED SUMMER WINTER															
2,500 303.84 298.59 0.12154 0.11944 311.24 305.99 0.12450 0.12240 7.40 7.40 2.44% 2.48% 7.40 2.46% 3,000 359.94 353.64 0.11998 0.11788 368.82 362.52 0.12294 0.12084 8.88 8.88 2.47% 2.51% 8.88 2.49% 3,500 416.03 408.68 0.11887 0.11677 426.39 419.04 0.12183 0.11973 10.36 10.36 2.49% 2.53% 10.36 2.52% 4,000 472.12 463.72 0.11803 0.11593 483.96 475.56 0.12099 0.11889 11.84 11.84 2.51% 2.55% 11.84 2.53% 5,000 584.30 573.80 0.11686 0.11476 599.10 588.60 0.11982 0.11772 14.80 14.80 2.53% 2.58% 14.80 2.56% 6,000 696.48 683.88 0.11608 0.11398 714.24 701.64 0.11904 0.11694 17.76 17.76 2.55% 2.60% 17.76 2.58% PRESENT PROPOSED SUMMER WINTER															
3,000 359.94 353.64 0.11998 0.11788 368.82 362.52 0.12294 0.12084 8.88 8.88 2.47% 2.51% 8.88 2.49% 3,500 416.03 408.68 0.11887 0.11677 426.39 419.04 0.12183 0.11973 10.36 10.36 2.49% 2.53% 10.36 2.52% 4,000 472.12 463.72 0.11803 0.11593 483.96 475.56 0.12099 0.11889 11.84 11.84 2.51% 2.55% 11.84 2.53% 5,000 584.30 573.80 0.11686 0.11476 599.10 588.60 0.11982 0.11772 14.80 14.80 2.53% 2.58% 14.80 2.56% 6,000 696.48 683.88 0.11608 0.11398 714.24 701.64 0.11904 0.11694 17.76 17.76 2.55% 2.60% 17.76 2.58% PRESENT PROPOSED SUMMER WINTER															
3,500 416.03 408.68 0.11887 0.11677 426.39 419.04 0.12183 0.11973 10.36 10.36 2.49% 2.53% 10.36 2.52% 4,000 472.12 463.72 0.11803 0.11593 483.96 475.56 0.12099 0.11889 11.84 11.84 2.51% 2.55% 11.84 2.53% 5,000 584.30 573.80 0.11686 0.11476 599.10 588.60 0.11982 0.11772 14.80 14.80 2.53% 2.58% 14.80 2.56% 6,000 696.48 683.88 0.11608 0.11398 714.24 701.64 0.11904 0.11694 17.76 17.76 2.55% 2.60% 17.76 2.58% PRESENT PROPOSED SUMMER WINTER															
4,000 472.12 463.72 0.11803 0.11593 483.96 475.56 0.12099 0.11889 11.84 11.84 2.51% 2.55% 11.84 2.53% 5,000 584.30 573.80 0.11686 0.11476 599.10 588.60 0.11982 0.11772 14.80 14.80 2.53% 2.58% 14.80 2.56% 6,000 696.48 683.88 0.11608 0.11398 714.24 701.64 0.11904 0.11694 17.76 17.76 2.55% 2.60% 17.76 2.58% PRESENT PROPOSED SUMMER WINTER	3,000	359.94	333.04	0.11998	0.11788	368.82	362.52	0.12294	0.12084	8.88	8.88	2.47%	2.51%	8.88	2.49%
4,000 472.12 463.72 0.11803 0.11593 483.96 475.56 0.12099 0.11889 11.84 11.84 2.51% 2.55% 11.84 2.53% 5,000 584.30 573.80 0.11686 0.11476 599.10 588.60 0.11982 0.11772 14.80 14.80 2.53% 2.58% 14.80 2.56% 6,000 696.48 683.88 0.11608 0.11398 714.24 701.64 0.11904 0.11694 17.76 17.76 2.55% 2.60% 17.76 2.58% PRESENT PROPOSED SUMMER WINTER	3.500	416 03	408 68	0 11887	0.11677	126 30	410.04	0 10100	0.44072	10.20	40.00	0.400/	0.500/		
5,000 584.30 573.80 0.11686 0.11476 599.10 588.60 0.11982 0.11772 14.80 14.80 2.53% 2.58% 14.80 2.56% 6,000 696.48 683.88 0.11608 0.11398 714.24 701.64 0.11904 0.11694 17.76 17.76 2.55% 2.60% 17.76 2.58% PRESENT PROPOSED SUMMER WINTER															
6,000 696.48 683.88 0.11608 0.11398 714.24 701.64 0.11904 0.11694 17.76 17.76 2.55% 2.60% 17.76 2.58% PRESENT PROPOSED SUMMER WINTER SUMMER WINTER															
PRESENT PROPOSED SUMMER WINTER SUMMER WINTER	and the same of th														
SUMMER WINTER SUMMER WINTER	0,000	030.40	003.00	0.11006	0.11396	714.24	701.64	0.11904	0.11694	17.76	17.76	2.55%	2.60%	17.76	2.58%
SUMMER WINTER SUMMER WINTER															
SUMMER WINTER SUMMER WINTER										PRES	SENT	PROPOS	SED		
OUDTOLIED.															
								CUSTOMER		23.39	23.39	23.39	23.39		

ENERGY (kWh)
All Kilowatt-hours

Surcharges

0.10888

0.003302

0.10678

0.003302

0.10888

0.006262 0.006262

0.10678

Appendix M Page 25 of 40

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 1 SCHEDULE "GS D LV" DISTRICT OF COLUMBIA

			PRESENT	GS_D_LV			PROPOSED	GS D LV				INCRE	ASF	
KW	Hours Use	KWH	\$ AMOUN	IT OF BILL	\$/K	WH	\$ AMOUNT	OF BILL	\$/KWH		(\$)	(\$)	(%)	(%)
			SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER
1	0 100	1000	195.07	192.48	0.19507	0.19248	200.75	198.16	0.20075	0.19816	5.68	5.68	2.91%	2.95%
	200	2000	317.74	312.56	0.15887	0.15628	329.10	323.92	0.16455	0.16196	11.36	11.36	3.58%	3.63%
	300	3000	440.40	432.63	0.14680	0.14421	457.44	449.67	0.15248	0.14989	17.04	17.04	3.87%	3.94%
	400	4000	563.06	552.70	0.14077	0.13818	585.78	575.42	0.14645	0.14386	22.72	22.72	4.04%	4.11%
	500	5000	685.73	672.78	0.13715	0.13456	714.13	701.18	0.14283	0.14024	28.40	28.40	4.14%	4.22%
	600	6000	808.39	792.85	0.13473	0.13214	842.47	826.93	0.14041	0.13782	34.08	34.08	4.22%	4.30%
2	1,000	2,500	447.02	440.54	0.17881	0.17622	461.22	454.74	0.18449	0.18190	14.20	14.20	3.18%	3.22%
	200	5,000	753.68	740.73	0.15074	0.14815	782.08	769.13	0.15642	0.15383	28.40	28.40	3.77%	3.83%
	300	7,500	1,060.33	1,040.91	0.14138	0.13879	1,102.93	1,083.51	0.14706	0.14447	42.60	42.60	4.02%	4.09%
	400	10,000	1,366.99	1,341.09	0.13670	0.13411	1,423.79	1,397.89	0.14238	0.13979	56.80	56.80	4.16%	4.24%
	500	12,500	1,673.65	1,641.28	0.13389	0.13130	1,744.65	1,712.28	0.13957	0.13698	71.00	71.00	4.24%	4.33%
	600	15,000	1,980.31	1,941.46	0.13202	0.12943	2,065.51	2,026.66	0.13770	0.13511	85.20	85.20	4.30%	4.39%
		and the second												
5		5,000	866.93	853.98	0.17339	0.17080	895.33	882.38	0.17907	0.17648	28.40	28.40	3.28%	3.33%
	200	10,000	1,480.24	1,454.34	0.14802	0.14543	1,537.04	1,511.14	0.15370	0.15111	56.80	56.80	3.84%	3.91%
	300	15,000	2,093.56	2,054.71	0.13957	0.13698	2,178.76	2,139.91	0.14525	0.14266	85.20	85.20	4.07%	4.15%
	400	20,000	2,706.87	2,655.07	0.13534	0.13275	2,820.47	2,768.67	0.14102	0.13843	113.60	113.60	4.20%	4.28%
	500	25,000	3,320.19	3,255.44	0.13281	0.13022	3,462.19	3,397.44	0.13849	0.13590	142.00	142.00	4.28%	4.36%
	600	30,000	3,933.51	3,855.81	0.13112	0.12853	4,103.91	4,026.21	0.13680	0.13421	170.40	170.40	4.33%	4.42%
_														
7		7,500	1,286.83	1,267.41	0.17158	0.16899	1,329.43	1,310.01	0.17726	0.17467	42.60	42.60	3.31%	3.36%
	200	15,000	2,206.81	2,167.96	0.14712	0.14453	2,292.01	2,253.16	0.15280	0.15021	85.20	85.20	3.86%	3.93%
	300	22,500	3,126.78	3,068.51	0.13897	0.13638	3,254.58	3,196.31	0.14465	0.14206	127.80	127.80	4.09%	4.16%
	400	30,000	4,046.76	3,969.06	0.13489	0.13230	4,217.16	4,139.46	0.14057	0.13798	170.40	170.40	4.21%	4.29%
	500	37,500	4,966.73	4,869.60	0.13245	0.12986	5,179.73	5,082.60	0.13813	0.13554	213.00	213.00	4.29%	4.37%
	600	45,000	5,886.70	5,770.15	0.13082	0.12823	6,142.30	6,025.75	0.13650	0.13391	255.60	255.60	4.34%	4.43%

	PRES	SENT	PROPOSED			
	SUMMER	WINTER	SUMMER	WINTER		
CUSTOMER	27.11	27.11	27.11	27.11		
ENERGY (kWh)						
first 6000	0.11520	0.11261	0.11520	0.11261		
additional	0.11520	0.11261	0.11520	0.11261		
Surcharges	0.0074632	0.0074632	0.013143	0.0131432		
DEMAND (kW)	4.53	4.53	4.53	4.53		

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 1 SCHEDULE "GT LV" DISTRICT OF COLUMBIA

HOURS				PRESENT 'G	T-LV'			PROPOSED 'GT-LV'				INCREASE		E	
USE	KWH		\$ AMOUN	T OF BILL	\$/K	WH	\$ AMOU	INT OF BILL		WH	•	(\$)	(\$)	(%)	(%)
			SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER		SUMMER	WINTER	SUMMER	
							BAAVIBALIBA AA	ID ON PEAK DEM	AND -	400	LOM				
200	20	,000	3,349.51	3,353.61	0.16748	0.16768	3,419.91			100 0.17 1 20	KVV	70.40	70.10		
300		,000	4,272.36	4,329.68	0.14241	0.14432		3,424.01	0.17100			70.40	70.40	2.10%	
400		,000	5,164.13	1916 C-121 DARKERS			4,377.96			0.14784		105.60	105.60	2.47%	
500		,000		5,298.09	0.12910	0.13245	5,304.93	THE PARTY OF THE PARTY OF THE PARTY.		0.13597		140.80	140.80	2.73%	
600	60.0000	* Designation of the second	6,043.00	6,262.77	0.12086	0.12526	6,219.00	and the same and t	0.12438	0.12878		176.00	176.00	2.91%	
600	60	,000	6,920.61	7,226.58	0.11534	0.12044	7,131.81	7,437.78	0.11886	0.12396		211.20	211.20	3.05%	2.92%
										300	KW				
200	60	,000	9,290.46	9,302.77	0.15484	0.15505	9,501.66	9,513.97	0.15836	0.15857		211.20	211.20	2.27%	2.27%
300	90	,000	12,059.00	12,230.96	0.13399	0.13590	12,375.80	12,547.76	0.13751	0.13942		316.80	316.80	2.63%	
400	120	,000	14,734.32	15,136.21	0.12279	0.12614	15,156.72	The state of the s	0.12631	0.12966		422.40	422.40	2.87%	
500	150	,000	17,370.93	18,030.24	0.11581	0.12020	17,898.93		0.11933	0.12372		528.00	528.00	3.04%	
600	180	,000	20,003.77	20,921.66	0.11113	0.11623	20,637.37	21,555.26	0.11465	0.11975		633.60	633.60	3.17%	
										500	KW				
200		,000	15,231.40	15,251.93	0.15231	0.15252	15,583.40	,	0.15583	0.15604		352.00	352.00	2.31%	2.31%
300	150		19,845.64	20,132.25	0.13230	0.13422	20,373.64	20,660.25	0.13582	0.13774		528.00	528.00	2.66%	2.62%
400	200		24,304.51	24,974.32	0.12152	0.12487	25,008.51	25,678.32	0.12504	0.12839		704.00	704.00	2.90%	2.82%
500	250	,000	28,698.86	29,797.71	0.11480	0.11919	29,578.86	30,677.71	0.11832	0.12271		880.00	880.00	3.07%	2.95%
600	300	,000	33,086.93	34,616.74	0.11029	0.11539	34,142.93	35,672.74	0.11381	0.11891		1,056.00	1,056.00	3.19%	3.05%
										1,000	KW				
200	200	000	30,083.77	30,124.83	0.15042	0.15062	30,787.77	30,828.83	0.15394	0.15414	LAA	704.00	704.00	2.34%	0.040/
300	300		39,312.24	39,885.46	0.13104	0.13295	40,368.24	40,941.46	0.13394	0.13647		1,056.00			
400	400		48,229.99	49,569.61	0.12057	0.12392	49,637.99	50,977.61	0.13430	0.13047			1,056.00	2.69%	
500	500		57,018.68	59,216.38	0.12037	0.12392	58,778.68	60,976.38	0.12409			1,408.00	1,408.00	2.92%	
600	600		65,794.83	68,854.45	0.10966	0.11476	67,906.83	70,966.45	0.11738	0.12195 0.11828		1,760.00 2,112.00	1,760.00 2,112.00	3.09% 3.21%	
			55,7555	50,001.10	0.10000	0.11110	07,000.00	70,000.40	0.11010	0.11020		2,112.00	2,112.00	3.2170	3.07 76
KWI	H DISTRIBU		- was a reason						PRESENT				PROPOSED		
12.0.01					OFF PK										
	HOURS US		31%	29%	40%				SUMMER	WINTER			SUMMER	WINTER	
300	HOURS US	SE =	33%	27%	40%			CUSTOMER	379.03	379.03		CUSTOMER	379.03	379.03	
	HOURS US		30%	26%	44%			DEMAND (kW)				DEMAND (kW)			
	HOURS US		27%	25%	48%			On Peak	1.1759	0.0000		On Peak	1.1759	0.0000	
600	HOURS US	SE =	25%	24%	51%			Maximum	10.2297	10.2297		Maximum	10.2297	10.2297	
								ENERGY (kWh)				ENERGY (kWh)			
								On Peak	0.08644	0.08298		On Peak	0.08644	0.08298	
								Int Peak	0.07329	0.08255		Int Peak	0.07329	0.08255	
								Off Peak	0.06702	0.07820		Off Peak	0.06702	0.07820	
								SURCHARGES	0.01664	0.01664		SURCHARGES	0.02016	0.02016	
															L.

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 1 SCHEDULE "GT LV" DISTRICT OF COLUMBIA

HOURS			PRESENT 'G	ST-LV'		PROPOSED 'GT-LV'					INCREASE			
USE	KWH	\$ AMOUN	T OF BILL	\$/K	WH	\$ AMOU	NT OF BILL	\$/K	CVVH	-	(\$)	(\$)	(%)	(%)
		SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER		SUMMER	WINTER	SUMMER	
						MAXIMUM AN	ID ON PEAK DEMA	AND =	2,000	KW				
200	400,000	59,788.51	59,870.63	0.14947	0.14968	61,196.51	61,278.63	0.15299	0.15320		1,408.00	1,408.00	2.35%	2.35%
300	600,000	78,245.45	79,391.89	0.13041	0.13232	80,357.45	81,503.89	0.13393	0.13584		2,112.00	2,112.00	2.70%	2.66%
400	800,000	96,080.95	98,760.19	0.12010	0.12345	98,896.95	101,576.19	0.12362	0.12697		2,816.00	2,816.00	2.93%	2.85%
500	1,000,000	113,658.33	118,053.73	0.11366	0.11805	117,178.33	121,573.73	0.11718	0.12157		3,520.00	3,520.00	3.10%	2.98%
600	1,200,000	131,210.63	137,329.87	0.10934	0.11444	135,434.63	141,553.87	0.11286	0.11796		4,224.00	4,224.00	3.22%	3.08%
									4,000	ĸw				
200	800,000	119,197.99	119,362.23	0.14900	0.14920	122,013.99	122,178.23	0.15252	0.15272		2,816.00	2,816.00	2.36%	2.36%
300	1,200,000	156,111.87	158,404.75	0.13009	0.13200	160,335.87	162,628.75	0.13361	0.13552		4,224.00	4,224.00	2.71%	2.67%
400	1,600,000	191,782.87	197,141.35	0.11986	0.12321	197,414.87	202,773.35	0.12338	0.12673		5,632.00	5,632.00	2.94%	2.86%
500	2,000,000	226,937.63	235,728.43	0.11347	0.11786	233,977.63	242,768.43	0.11699	0.12138		7,040.00	7,040.00	3.10%	2.99%
600	2,400,000	262,042.23	274,280.71	0.10918	0.11428	270,490.23	282,728.71	0.11270	0.11780		8,448.00	8,448.00	3.22%	3.08%
									6,000	KW				
200	1,200,000	178,607.47	178,853.83	0.14884	0.14904	182,831.47	183,077.83	0.15236	0.15256		4,224.00	4,224.00	2.36%	2.36%
300	1,800,000	233,978.29	237,417.61	0.12999	0.13190	240,314.29	243,753.61	0.13351	0.13542		6,336.00	6,336.00	2.71%	2.67%
400	2,400,000	287,484.79	295,522.51	0.11979	0.12313	295,932.79	303,970.51	0.12331	0.12665		8,448.00	8,448.00	2.94%	2.86%
500	3,000,000	340,216.93	353,403.13	0.11341	0.11780	350,776.93	363,963.13	0.11693	0.12132		10,560.00	10,560.00	3.10%	2.99%
600	3,600,000	392,873.83	411,231.55	0.10913	0.11423	405,545.83	423,903.55	0.11265	0.11775		12,672.00	12,672.00	3.23%	3.08%
									8,000	ĸw				
200	1,600,000	238,016.95	238,345.43	0.14876	0.14897	243,648.95	243,977.43	0.15228	0.15249		5,632.00	5,632.00	2.37%	2.36%
300	2,400,000	311,844.71	316,430.47	0.12994	0.13185	320,292.71	324,878.47	0.13346	0.13537		8,448.00	8,448.00	2.71%	2.67%
400	3,200,000	383,186.71	393,903.67	0.11975	0.12309	394,450.71	405,167.67	0.12327	0.12661		11,264.00	11,264.00	2.94%	2.86%
500	4,000,000	453,496.23	471,077.83	0.11337	0.11777	467,576.23	485,157.83	0.11689	0.12129		14,080.00	14,080.00	3.10%	2.99%
600	4,800,000	523,705.43	548,182.39	0.10911	0.11420	540,601.43	565,078.39	0.11263	0.11772		16,896.00	16,896.00	3.23%	3.08%
KWI	H DISTRIBUTION							PRESENT				PROPOSED		ı
		ON PK	INT	OFF PK				TRECEIVI				THOI COLD		
200	HOURS USE =	31%	29%	40%				SUMMER	WINTER			SUMMER	WINTER	
300	HOURS USE =	33%	27%	40%			CUSTOMER	379.03	379.03		CUSTOMER	379.03	379.03	
400	HOURS USE =	30%	26%	44%			DEMAND (kW)	0,0.00	0,0.00		DEMAND (kW)	070.00	070.00	
	HOURS USE =	27%	25%	48%			On Peak	1.1759	0.0000		On Peak	1.1759	0.0000	
	HOURS USE =	25%	24%	51%			Maximum	10.2297	10.2297		Maximum	10.2297	10.2297	
							ENERGY (kWh)	10.2207	10.2207		ENERGY (kWh)	10.2237	10.2237	
							On Peak	0.08644	0.08298		On Peak	0.08644	0.08298	
							Int Peak	0.07329	0.08255		Int Peak	0.07329	0.08255	
							Off Peak	0.06702	0.07820		Off Peak	0.06702	0.07820	
							SURCHARGES	0.01664	0.01664		SURCHARGES	0.02016	0.02016	
								0.0.001	0.0.00		CONCIDENCE	0.02010	0.02010	

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 1 SCHEDULE "GT 3A" DISTRICT OF COLUMBIA

600 HOURS USE =

25%

24%

51%

HOURS		-	PRESENT 'G'	T-3A'			PROPOSED 'G	T- 3A'				INCREASE		
USE	KWH	\$ AMOUN	NT OF BILL	\$/K	WH	\$ AMOU	NT OF BILL		(WH	-	(\$)	(\$)	(%)	(%)
		SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER		SUMMER	WINTER	SUMMER	
						MAXIMUM AND	ON PEAK DEMA	ND =	1,000	KW				
200		24,599.37	24,513.69	0.12300	0.12257	25,017.37	24,931.69	0.12509	0.12466		418.00	418.00	1.70%	1.71%
300	0 300,000	32,776.44	33,146.38	0.10925	0.11049	33,403.44	33,773.38	0.11134	0.11258		627.00	627.00	1.91%	1.89%
400	0 400,000	40,592.07	41,648.35	0.10148	0.10412	41,428.07	42,484.35	0.10357	0.10621		836.00	836.00	2.06%	2.01%
500	500,000	48,255.48	50,088.78	0.09651	0.10018	49,300.48	51,133.78	0.09860	0.10227		1,045.00	1,045.00	2.17%	2.09%
600	600,000	55,902.21	58,516.69	0.09317	0.09753	57,156.21	59,770.69				1,254.00	1,254.00	2.24%	2.14%
									2,000	ĸw				
200	0 400,000	49,046.11	48,874.75	0.12262	0.12219	49,882.11	49,710,75	0.12471	0.12428		836.00	836.00	1.70%	1.71%
300	600,000	65,400.25	66,140.13	0.10900	0.11023	66,654.25	67,394.13		0.11232		1,254.00	1,254.00	1.92%	1.90%
400	0 800,000	81,031.51	83,144.07	0.10129	0.10393	82,703.51	84,816.07		0.10602		1,672.00	1,672.00	2.06%	2.01%
500	1,000,000	96,358.33	100,024.93	0.09636	0.10002	98,448.33	102,114.93		0.10211		2,090.00	2,090.00	2.17%	2.09%
600	1,200,000	111,651.79	116,880.75	0.09304	0.09740	114,159.79	119,388.75		0.09949		2,508.00	2,508.00	2.25%	2.15%
									5 000	12141				
200	1,000,000	122,386.33	121,957.93	0.12239	0.12196	124,476.33	404 047 00	0.40440	5,000	KVV	0.000.00			
300		163,271.68	165,121.38	0.12239	1000 1000 1000		124,047.93		0.12405		2,090.00	2,090.00	1.71%	1.71%
400	A STATE OF THE PARTY OF THE PAR	202.349.83	207,631.23	0.10005	0.11008	166,406.68	168,256.38		0.11217		3,135.00	3,135.00	1.92%	1.90%
500		240.666.88	249,833.38	0.10117	0.10382 0.09993	206,529.83	211,811.23		0.10591		4,180.00	4,180.00	2.07%	2.01%
600						245,891.88	255,058.38		0.10202		5,225.00	5,225.00	2.17%	2.09%
600	3,000,000	278,900.53	291,972.93	0.09297	0.09732	285,170.53	298,242.93	0.09506	0.09941		6,270.00	6,270.00	2.25%	2.15%
			NO. 100 P. 100 P						7,500	KW				
200		183,503.18	182,860.58	0.12234	0.12191	186,638.18	185,995.58		0.12400		3,135.00	3,135.00	1.71%	1.71%
300	and the second second	244,831.21	247,605.76	0.10881	0.11005	249,533.71	252,308.26		0.11214		4,702.50	4,702.50	1.92%	1.90%
400		303,448.43	311,370.53	0.10115	0.10379	309,718.43	317,640.53	0.10324	0.10588		6,270.00	6,270.00	2.07%	2.01%
500		360,924.01	374,673.76	0.09625	0.09991	368,761.51	382,511.26	0.09834	0.10200		7,837.50	7,837.50	2.17%	2.09%
600	4,500,000	418,274.48	437,883.08	0.09295	0.09731	427,679.48	447,288.08	0.09504	0.09940		9,405.00	9,405.00	2.25%	2.15%
KWH	H DISTRIBUTION							PRESENT				PROPOSED		
		ON PK	INT	OFF PK										
200	HOURS USE =	31%	29%	40%				SUMMER	WINTER			SUMMER	WINTER	
300	HOURS USE =	33%	27%	40%			CUSTOMER	152.63	152.63		CUSTOMER	152.63	152.63	
400	HOURS USE =	30%	26%	44%			DEMAND (kW)				DEMAND (kW)	.02.00	.02.00	
500	HOURS USE =	27%	25%	48%			On Peak	1.1450	0.0000		On Peak	1.1450	0.0000	
000	HOURSHIEF								0.0000		J.II OUIL	1.1-100	0.0000	

	PRESENT			PROPOSED	
	SUMMER	WINTER		SUMMER	WINTER
CUSTOMER	152.63	152.63	CUSTOMER	152.63	152.63
DEMAND (kW)			DEMAND (kW)		
On Peak	1.1450	0.0000	On Peak	1.1450	0.0000
Maximum	7.1186	7.1186	Maximum	7.1186	7.1186
ENERGY (kWh)			ENERGY (kWh)		
On Peak	0.07900	0.07495	On Peak	0.07900	0.07495
Int Peak	0.06475	0.07304	Int Peak	0.06475	0.07304
Off Peak	0.05641	0.06678	Off Peak	0.05641	0.06678
SURCHARGES	0.01508	0.01508	SURCHARGES	0.01717	0.01717

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 1 SCHEDULE "GT 3A" DISTRICT OF COLUMBIA

USE KWH SAMOUNT OF BILL SAWOH SAMOUNT OF BILL SUMMER WINTER SUMMER W	HOURS			PRESENT 'G'				PROPOSED 'G'	T- 3A'				INCREASE		
SUMMER	USE	KWH					\$ AMOU	NT OF BILL	\$/k	(WH	-	(\$)			(%)
200 2,000,000 244,650.03 243,768.28 0.12231 0.12188 248,800.03 247,943.23 0.12440 0.12397 4.180.00 4,180.00 1.7319, 17.196, 300,000 328,390.73 330,900.13 0.10190 1.1212 6.270.00 6.270.00 1.2014, 400,000 404,47.03 415,190.83 0.10140 1.01378 412,907.03 422,489.83 0.10323 0.10587 8.380.00 8.380.00 2.0794 2.0194, 500 5,000,000 440,447.03 495,141.31 0.0823 0.0923 0.0963 0.09939 1.0450.00			SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER					
300 3,000,000 326,380,73 330,060.13 0.10880 0.11003 332,880,73 32,380,801 3.0.11022 0.1122 6,270.00 6,270.00 1.0294 1.008,780							MAXIMUM AND	ON PEAK DEMA	ND =	10,000	KW				
400 4,000,000 401,647.03 415,108.13 0.10114 0.10378 412,907.03 423,489.83 0.10322 0.10587 8,360.00 8,360.00 2.07% 2.01% 600 6,000,000 657,648.43 583,793.23 0.09624 0.09730 570,188.43 598,333.23 0.09803 0.10192 0.10587 8,360.00 12,450.00 12,75% 2.09% 600 6,000,000 657,648.43 583,793.23 0.09694 0.09730 570,188.43 598,333.23 0.09803 0.10190 10,450.00 12,400							248,800.03	247,943.23	0.12440	0.12397		4,180.00	4,180.00	1.71%	1.71%
500 5,000,000 481,181.13 49,914.13 0,09824 0,09930 570,188.43 596,333.23 0,09930 10,490.00 10,450.00 12,54				330,090.13			332,660.73	336,360.13	0.11089	0.11212		6,270.00	6,270.00	1.92%	1.90%
600 6,000,000 557,648.43 583,793.23 0,09294 0,09730 570,188.43 596,333.23 0,09508 10,540.00 12,5			School Schieber Street Street	PER PER CHANGE SECURIOR SECURITION SECURITIO			412,907.03	423,469.83	0.10323	0.10587		8,360.00	8,360.00	2.07%	2.01%
600 6,000,000 557,648.43 593,793.23 0,09294 0,09730 570,188.43 596,333.23 0,09939 12,540.00 12,540.00 2,25% 2,15% 200 4,000,000 489,087.43 487,373.83 0,12227 0,12184 497,447.43 495,733.83 0,12436 0,12393 8,360.00 8,360.00 17,71% 1,72% 300 6,000,000 652,628.83 60,007.63 0,10172 0,10376 855,681.43 486,787.03 0,10321 0,10585 16,720.00 12,540.00 12				499,514.13	0.09624	0.09990	491,631.13	509,964.13	0.09833	0.10199		10,450.00	10,450.00	2.17%	2.09%
200 4,000,000 489,087,43 487,378,83 0,12227 0,12184 497,474,74 495,733,83 0,12436 0,12393 8,380,00 8,380,00 1,71% 1,72% 400 8,000,000 652,628,83 660,027,63 0,1087 0,1100 685,168,83 672,587,63 0,11086 0,11209 12,540,00 12,540,00 12,540,00 1,92% 1,90% 600 12,000,000 982,208,63 998,565,3 0,0822 0,09899 983,108,83 1,018,75,83 0,08931 0,11086 20,000,00 2,50% 0,00 2,	600	6,000,000	557,648.43	583,793.23	0.09294	0.09730	570,188.43	596,333.23	0.09503	0.09939		12,540.00			
300 6,000,000 682,628.83 660,027.63 0.10877 0.11000 685,168.83 672,567.63 0.11086 0.11209 12,540.00 12,540										20,000	KW				
300 6,000,000 652,628.83 660,027.63 0.1087 0.11000 695,168.83 672,567.63 0.11086 0.11209 12,540.00 12,400.00 19,22% 1.90% 1.000,000 808,941.43 830,067.03 0.10121 0.10365 16,720.00 12,100.00 16,720.00 12,100.00 16,720.00 12,100.00 16,720	200	4,000,000		487,373.83	0.12227	0.12184	497,447.43	495,733.83	0.12436	0.12393		8,360.00	8,360.00	1.71%	1.72%
400	300	6,000,000	652,628.83	660,027.63	0.10877	0.11000	665,168.83	672,567.63	0.11086	0.11209					
500 10,000,000 962,209,63 998,675,63 0.09622 0.09889 993,109.63 1,119,775,63 0.09851 0.10198 20,900.00 2,900.00 2,17% 2,09% 2,15% 2,09% 2,09% 2,114,024,23 1,192,513.83 0.09502 0.09938 25,080.00 25,080.00 2,25% 2,15% 2,09% 2,		8,000,000	808,941.43	830,067.03	0.10112	0.10376	825,661.43	846,787.03	0.10321	0.10585					
1,140,200,000	500	10,000,000	962,209.63	998,875.63	0.09622	0.09989	983,109.63	1,019,775.63	0.09831	0.10198		20,900.00			
200 6,000,000 733,554.83 730,984.43 0.12226 0.12163 746,094.83 743,524.43 0.12392 12,540.00 12,540.00 17,71% 1.72% 300 9,000,000 978,866.93 989,965.13 0.10876 0.11000 997,676.93 1,008,775.13 0.11050 0.11209 18,810.00 18,810.00 19,20% 1.90% 19,000,000 1,213,335.83 1,245,024.23 0.10111 0.10375 1,238,415.83 1,270,104.23 0.10320 0.10584 25,080.00 25,080.00 2.07% 2.01%	600	12,000,000	1,115,144.23	1,167,433.83	0.09293	0.09729	1,140,224.23	1,192,513.83	0.09502	0.09938		25,080.00			
200 6,000,000 733,554.83 730,984.43 0.12226 0.12163 746,094.83 743,524.43 0.12392 12,540.00 12,540.00 17,71% 1.72% 300 9,000,000 978,866.93 989,965.13 0.10876 0.11000 997,676.93 1,008,775.13 0.11050 0.11209 18,810.00 18,810.00 19,20% 1.90% 19,000,000 1,213,335.83 1,245,024.23 0.10111 0.10375 1,238,415.83 1,270,104.23 0.10320 0.10584 25,080.00 25,080.00 2.07% 2.01%										30,000	KW				
300 9,000,000 978,866,93 989,965,13 0,10876 0,11000 997,676,93 1,008,775,13 0,11085 0,11209 18,810.00 18,810.00 1,29% 1,009, 20.09% 10,000 12,000,000 1,213,335,83 1,245,024,23 0,10111 0,10375 1,238,415.83 1,270,104.23 0,10320 0,10584 25,080.00 25,080.00 2,07% 2,01% 2,09% 400 18,000,000 1,672,640.03 1,751,074.43 0,09292 0,09728 1,710,260.03 1,788,694.43 0,09501 0,09937 37,620.00 31,350.00 2,17% 2,09% 40% 400 16,000,000 1,305,105.03 1,319,902.63 0,10876 0,10999 1,330,185.03 1,344,982.63 0,11085 0,11208 25,080.00 25,080.00 1,92% 1,90% 400 16,000,000 1,817,730.23 1,659,981.43 0,10111 0,10375 1,651,170.23 1,693,421.43 0,10320 0,10584 33,440.00 2,07% 2,01% 500 24,000,000 1,242,266.63 1,997,598.63 0,09821 0,09988 1,966,066.63 2,039,398.63 0,09830 0,10197 41,800.00 2,17% 2,09% 600 24,000,000 2,230,135.83 2,334,715.03 0,09292 0,09728 2,280,295.83 2,384,875.03 0,09501 0,09937 50,160.00 50,160.00 2,25% 2,15% 150.00 HOURS USE = 33% 27% 40% 40% 1000 HOURS USE = 33% 27% 40% 40% 1000 HOURS USE = 33% 27% 40% 1000 HOURS USE = 30% 26% 44% 51% 1000 HOURS USE = 25% 24% 51% 1000 HOURS USE	200	6,000,000	733,554.83	730,984.43	0.12226	0.12183	746,094.83	743,524.43	0.12435			12.540.00	12.540.00	1.71%	1.72%
400 12,000,000 1,213,335.83 1,245,024.23 0.10111 0.10375 1,238,415.83 1,270,104.23 0.10320 0.10584 25,080.00 25,080.00 2,07% 2.01% 500 15,000,000 1,443,238.13 1,498,237.13 0.09622 0.09988 1,474,588.13 1,529,587.13 0.09831 0.10197 31,350.00 37,620.00 2,17% 2.09% 600 18,000,000 1,672,640.03 1,751,074.43 0.09292 0.09728 1,710,260.03 1,788,694.43 0.09501 0.09937 37,620.00 37,620.00 2,25% 2.15% 2.15% 2.09% 600 12,000,000 1,000,100.00 1	300	9,000,000	978,866.93	989,965.13	0.10876	0.11000	997,676.93	1,008,775.13	0.11085	0.11209					
500 15,000,000 1,443,238.13 1,498,237.13 0,09622 0,09988 1,474,588.13 1,529,587.13 0,09831 0,10197 31,350.00 31,350.00 2,17% 2,09% 600 18,000,000 978,022.23 974,595.03 0,12225 0,12182 994,742.23 991,315.03 0,12434 0,12391 16,720.00 16,720.00 1,72% 1,90% 1,90% 400 16,000,000 1,305,105.03 1,319,902.63 0,10876 0,10999 1,330,185.03 1,344,982.63 0,11085 0,11208 25,080.00 25,080.00 25,080.00 1,924,286.63 1,997,598.63 0,09621 0,09988 1,865,1470.23 1,865,1470.23 1,869,881.43 0,10320 0,10584 33,440.00 33,440.00 2,07% 2,01% 600 24,000,000 1,924,286.63 1,997,598.63 0,09621 0,09988 1,866,086.63 2,039,398.63 0,09830 0,10197 41,800.00 41,800.00 2,17% 2,09% 600 24,000,000 2,230,135.83 2,334,715.03 0,09922 0,09728 2,280,295.83 2,384,875.03 0,09501 0,09937 50,160.00 50,160.00 2,25% 2,15% 0,000 1,00	400	12,000,000	1,213,335.83	1,245,024.23	0.10111	0.10375	1,238,415.83	1,270,104.23	0.10320	0.10584					
600 18,000,000 1,672,640.03 1,751,074.43 0.0929 0.09728 1,710,260.03 1,788,694.43 0.09501 0.09937 37,620.00 37,620.00 2.25% 2.15% 200 8,000,000 978,022.23 974,595.03 0.1225 0.12182 994,742.23 991,315.03 0.12434 0.12391 16,720.00 16,720.00 1.71% 1.72% 300 12,000,000 1,305,105.03 1,319,902.63 0.10876 0.10999 1,330,185.03 1,344,982.63 0.11085 0.11208 25,080.00 25,080.00 1.92% 1,90% 1	500	15,000,000	1,443,238.13	1,498,237.13	0.09622	0.09988	1,474,588.13	1,529,587.13	0.09831	0.10197		31,350.00	31,350.00	2.17%	
200 8,000,000 978,022.23 974,595.03 0.12225 0.12182 994,742.23 991,315.03 0.12434 0.12391 16,720.00 16,720.00 1.71% 1.72% 300 12,000,000 1,305,105.03 1,319,902.63 0.10876 0.10999 1,330,185.03 1,344,982.63 0.11085 0.11208 25,080.00 25,080.00 1,92% 1,90% 400 16,000,000 1,617,730.23 1,659,981.43 0.10111 0.10375 1,651,170.23 1,693,421.43 0.10320 0.10584 33,440.00 32,440.00 2.07% 2.01% 500 20,000,000 1,924,266.63 1,997,598.63 0.09988 1,966,066.63 2,039,398.63 0.09830 0.10197 41,800.00 2.17% 2.09% 600 24,000,000 2,230,135.83 2,334,715.03 0.09292 0.09728 2,280,295.83 2,384,875.03 0.09501 0.09937 50,160.00 50,160.00 2.25% 2.15%	600	18,000,000	1,672,640.03	1,751,074.43	0.09292	0.09728	1,710,260.03	1,788,694.43	0.09501	0.09937		37,620.00	37,620.00	2.25%	2.15%
200 8,000,000 978,022.23 974,595.03 0.12225 0.12182 994,742.23 991,315.03 0.12434 0.12391 16,720.00 16,720.00 1.71% 1.72% 300 12,000,000 1,305,105.03 1,319,902.63 0.10876 0.10999 1,330,185.03 1,344,982.63 0.11085 0.11208 25,080.00 25,080.00 1,92% 1,90% 400 16,000,000 1,617,730.23 1,659,981.43 0.10111 0.10375 1,651,170.23 1,693,421.43 0.10320 0.10584 33,440.00 32,440.00 2.07% 2.01% 500 20,000,000 1,924,266.63 1,997,598.63 0.09988 1,966,066.63 2,039,398.63 0.09830 0.10197 41,800.00 2.17% 2.09% 600 24,000,000 2,230,135.83 2,334,715.03 0.09292 0.09728 2,280,295.83 2,384,875.03 0.09501 0.09937 50,160.00 50,160.00 2.25% 2.15%										40,000	ĸw				
300 12,000,000 1,305,105.03 1,319,902.63 0.10876 0.10999 1,330,185.03 1,344,982.63 0.11085 0.11208 25,080.00 25,080.00 1.92% 1,90% 400 16,000,000 1,617,730.23 1,659,981.43 0.10111 0.10375 1,651,170.23 1,693,421.43 0.10320 0.10584 33,440.00 33,440.00 2.07% 2.01% 500 20,000,000 1,924,266.63 1,997,598.63 0.09621 0.09988 1,966,066.63 2,039,398.63 0.09830 0.10197 41,800.00 41,800.00 2.17% 2.09% 600 24,000,000 2,230,135.83 2,334,715.03 0.09292 0.09728 2,280,295.83 2,384,875.03 0.09501 0.09937 50,160.00 50,160.00 2.25% 2.15%	200	8,000,000	978,022.23	974,595.03	0.12225	0.12182	994,742.23	991,315.03	0.12434			16.720.00	16.720.00	1.71%	1 72%
400 16,000,000 1,617,730.23 1,659,981.43 0.10111 0.10375 1,651,170.23 1,693,421.43 0.10320 0.10584 33,440.00 33,440.00 2.07% 2.01% 500 20,000,000 1,924,266.63 1,997,598.63 0.09621 0.09988 1,966,066.63 2,039,398.63 0.09630 0.10197 41,800.00 41,800.00 2.17% 2.09% 600 24,000,000 2,230,135.83 2,334,715.03 0.09292 0.09728 2,280,295.83 2,384,875.03 0.09501 0.09937 50,160.00 50,160.00 2.25% 2.15% KWH DISTRIBUTION	300	12,000,000	1,305,105.03	1,319,902.63	0.10876	0.10999	1,330,185.03	1,344,982.63	0.11085						
500 20,000,000 1,924,266.63 1,997,598.63 0.09621 0.09988 1,966,066.63 2,039,398.63 0.09830 0.10197 41,800.00 41,800.00 2.17% 2.09% 600 24,000,000 2,230,135.83 2,334,715.03 0.09292 0.09728 2,280,295.83 2,384,875.03 0.09501 0.09937 50,160.00 50,160.00 2.25% 2.15% KWH DISTRIBUTION	400	16,000,000	1,617,730.23	1,659,981.43	0.10111	0.10375	1,651,170.23	1,693,421.43	0.10320	0.10584		100 mar			
Customer	500	20,000,000	1,924,266.63	1,997,598.63	0.09621	0.09988	1,966,066.63	2,039,398.63							
ON PK INT OFF PK 200 HOURS USE = 31% 29% 40% 300 HOURS USE = 33% 27% 40% 400 HOURS USE = 30% 26% 44% 500 HOURS USE = 27% 25% 48% 600 HOURS USE = 25% 24% 51% ENERGY (kWh) On Peak 0.07900 0.07495 Int Peak 0.06475 0.07304 Off Peak 0.05641 0.06678 ON PK SUMMER WINTER CUSTOMER 152.63 152.63 DEMAND (kW) On Peak 1.1450 0.0000 Maximum 7.1186 7.1186 ENERGY (kWh) On Peak 0.07900 0.07495 Int Peak 0.05641 0.06678 Off Peak 0.05641 0.06678	600	24,000,000	2,230,135.83	2,334,715.03	0.09292	0.09728	2,280,295.83	2,384,875.03	0.09501			The Section Control of			
ON PK INT OFF PK 200 HOURS USE = 31% 29% 40% 300 HOURS USE = 33% 27% 40% 400 HOURS USE = 30% 26% 44% 500 HOURS USE = 30% 25% 48% 600 HOURS USE = 27% 25% 48% Maximum 7.1186 7.1186 ENERGY (kWh) On Peak 0.07900 0.07495 Int Peak 0.06475 0.07304 Off Peak 0.05641 0.06678 Off Peak 0.05641 0.06678	KWH	DISTRIBUTION							PRESENT				PROPOSED		
300 HOURS USE = 33% 27% 40% CUSTOMER 152.63 152.63 DEMAND (kW) Demand 1.1450 0.0000 Maximum 7.1186 7.1186 ENERGY (kWh) On Peak 0.07900 0.07495 Int Peak 0.05641 0.06678 CUSTOMER 152.63 152.63 DEMAND (kW) On Peak 0.05641 0.06678 CUSTOMER 152.63 152.63 DEMAND (kW) On Peak 1.1450 0.0000 Maximum 7.1186 7.1186 ENERGY (kWh) On Peak 0.07900 0.07495 Int Peak 0.05641 0.06678 CUSTOMER 152.63 152.63 DEMAND (kW) On Peak 1.1450 0.0000 Maximum 7.1186 7.1186 ENERGY (kWh) On Peak 0.07900 0.07495 Int Peak 0.06475 0.07304 Off Peak 0.05641 0.06678				INT	OFF PK										
300 HOURS USE = 33% 27% 40% CUSTOMER 152.63 152.63 152.63 400 HOURS USE = 30% 26% 44% DEMAND (kW) 500 HOURS USE = 27% 25% 48% On Peak 1.1450 0.0000 Maximum 7.1186 7.1186 ENERGY (kWh) On Peak 0.07900 0.07495 Int Peak 0.06475 0.07304 Off Peak 0.05641 0.06678 CUSTOMER 152.63 152.63 DEMAND (kW) On Peak 1.1450 0.0000 Maximum 7.1186 7.1186 ENERGY (kWh) On Peak 0.07900 0.07495 Int Peak 0.06475 0.07304 Off Peak 0.05641 0.06678			31%	29%	40%				SUMMER	WINTER			SUMMER	WINTER	
400 HOURS USE = 30% 26% 44% 500 HOURS USE = 27% 25% 48% 600 HOURS USE = 25% 24% 51% DEMAND (kW) On Peak 1.1450 0.0000 Maximum 7.1186 7.1186 ENERGY (kWh) On Peak 0.07900 0.07495 Int Peak 0.06475 0.07304 Off Peak 0.05641 0.06678 DEMAND (kW) On Peak 1.1450 0.0000 Maximum 7.1186 7.1186 ENERGY (kWh) On Peak 0.07900 0.07495 Int Peak 0.05641 0.06678 Off Peak 0.05641 0.06678			33%	27%	40%			CUSTOMER	152.63	152.63		CUSTOMER		The second secon	
600 HOURS USE = 25% 24% 51% Maximum 7.1186 7.1186 ENERGY (kWh) On Peak 0.07900 0.07495 Int Peak 0.06475 0.07304 Off Peak 0.05641 0.06678 Maximum 7.1186 7.1186 ENERGY (kWh) On Peak 0.06475 0.07304 Off Peak 0.05641 0.06678				26%	44%			DEMAND (kW)				DEMAND (kW)		1.000.0	
600 HOURS USE = 25% 24% 51% Maximum 7.1186 7.1186 ENERGY (kWh) On Peak 0.07900 0.07495 Int Peak 0.06475 0.07304 Off Peak 0.05641 0.06678 Maximum 7.1186 7.1186 ENERGY (kWh) On Peak 0.07900 0.07495 Int Peak 0.06475 0.07304 Off Peak 0.05641 0.06678				25%				On Peak	1.1450	0.0000			1.1450	0.0000	
ENERGY (kWh) On Peak 0.07900 0.07495 Int Peak 0.06475 0.07304 Off Peak 0.05641 0.06678 ENERGY (kWh) On Peak 0.07900 0.07495 Int Peak 0.06475 0.07304 Off Peak 0.05641 0.06678	600	HOURS USE =	25%	24%	51%			Maximum	7.1186	7.1186		Maximum			
On Peak 0.07900 0.07495 On Peak 0.07900 0.07495 Int Peak 0.06475 0.07304 Int Peak 0.06475 0.07304 Off Peak 0.05641 0.06678 Off Peak 0.05641 0.06678								ENERGY (kWh)					0.0.0.0.0.0	more seed	
Int Peak 0.06475 0.07304 Int Peak 0.06475 0.07304 Off Peak 0.05641 0.06678 Off Peak 0.05641 0.06678								On Peak	0.07900	0.07495			0.07900	0.07495	
Off Peak 0.05641 0.06678 Off Peak 0.05641 0.06678								Int Peak	0.06475	0.07304				The state of the s	
								Off Peak	0.05641	0.06678		Off Peak			
								SURCHARGES	0.01508			The state of the s			

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 1 SCHEDULE "GT 3B" DISTRICT OF COLUMBIA

HOURS				PROPOSED 'GT-3B'				INCREASE						
USE	1	KWH	\$ AMOUN	T OF BILL	\$/K\	WH .	\$ AMOUN	T OF BILL	\$/I	KWH	(\$)	(\$)	(%)	(%)
			SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER
							MAXIMUM AND	ON PEAK DEMAN	ND =	10,000 KV	ı			
	200	2,000,000	275,474.77	275,474,77	0.13774	0.13774	275,874.77	275,874.77	0.13794	The second second second	400.00	400.00	0.15%	0.15%
	300	3,000,000	396,850.97	396,850.97	0.13228	0.13228	397,450.97	397,450.97	0.13248		600.00	600.00	0.15%	0.15%
	400	4,000,000	518,227.17	518,227.17	0.12956	0.12956	519,027.17	519,027.17	0.12976		800.00	800.00	0.15%	0.15%
	500	5,000,000	639,603.37	639,603.37	0.12792	0.12792	640,603.37	640,603.37	0.12812		1,000.00	1,000.00	0.16%	0.16%
	600	6,000,000	760,979.57	760,979.57	0.12683	0.12683	762,179.57	762,179.57	0.12703		1,200.00	1,200.00	0.16%	0.16%
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,		0.12000	0.12000	702,170.07	702,170.07	0.12703	0.12703	1,200.00	1,200.00	0.16%	0.16%
										20,000 KW	1			
	200	4,000,000	549,815.17	549,815.17	0.13745	0.13745	550,615.17	550,615.17	0.13765	0.13765	800.00	800.00	0.15%	0.15%
	300	6,000,000	792,567.57	792,567.57	0.13209	0.13209	793,767.57	793,767.57	0.13229	0.13229	1,200.00	1,200.00	0.15%	0.15%
	400	8,000,000	1,035,319.97	1,035,319.97	0.12941	0.12941	1,036,919.97	1,036,919.97	0.12961	0.12961	1,600.00	1,600.00	0.15%	0.15%
	500	10,000,000	1,278,072.37	1,278,072.37	0.12781	0.12781	1,280,072.37	1,280,072,37	0.12801	0.12801	2,000.00	2,000.00	0.16%	0.16%
	600	12,000,000	1,520,824.77	1,520,824.77	0.12674	0.12674	1,523,224.77	1,523,224.77	0.12694		2,400.00	2,400.00	0.16%	0.16%
	200	6,000,000	824,155.57	824,155.57	0.40700	0.40700	005 055 57	005 055 55		30,000 KW			662 6930 500	
	300	9,000,000	1,188,284.17		0.13736	0.13736	825,355.57	825,355.57	0.13756		1,200.00	1,200.00	0.15%	0.15%
	400	12,000,000		1,188,284.17	0.13203	0.13203	1,190,084.17	1,190,084.17	0.13223		1,800.00	1,800.00	0.15%	0.15%
			1,552,412.77	1,552,412.77	0.12937	0.12937	1,554,812.77	1,554,812.77	0.12957	0.12957	2,400.00	2,400.00	0.15%	0.15%
	500	15,000,000	1,916,541.37	1,916,541.37	0.12777	0.12777	1,919,541.37	1,919,541.37	0.12797		3,000.00	3,000.00	0.16%	0.16%
	600	18,000,000	2,280,669.97	2,280,669.97	0.12670	0.12670	2,284,269.97	2,284,269.97	0.12690	0.12690	3,600.00	3,600.00	0.16%	0.16%
										40,000 KW	ı			
	200	8,000,000	1,098,495.97	1,098,495.97	0.13731	0.13731	1,100,095,97	1,100,095.97	0.13751	0.13751	1,600.00	1,600.00	0.15%	0.15%
	300	12,000,000	1,584,000.77	1,584,000.77	0.13200	0.13200	1.586,400,77	1,586,400.77	0.13220	0.13220	2,400.00	2,400.00	0.15%	0.15%
	400	16,000,000	2,069,505.57	2,069,505.57	0.12934	0.12934	2,072,705.57	2,072,705.57	0.12954	0.12954	3,200.00	3,200.00	0.15%	0.15%
	500	20,000,000	2,555,010.37	2,555,010.37	0.12775	0.12775	2,559,010.37	2,559,010.37	0.12795		4,000.00	4,000.00	0.16%	0.16%
	600	24,000,000	3,040,515.17	3,040,515.17	0.12669	0.12669	3,045,315.17	3,045,315.17	0.12689		4,800.00	4,800.00	0.16%	0.16%
											0.000			
KWI-	DIST	RIBUTION	_		purposes in the latest of the				PRESENT			PROPOSED		
					OFF PK									
		IOURS USE =	31%	29%	40%				SUMMER	WINTER		SUMMER	WINTER	
		IOURS USE =	33%	27%	40%			CUSTOMER	1134.37	1134.37	CUSTOMER	1134.37	1134.37	
4	400 H	IOURS USE =	30%	26%	44%			DEMAND (kW)			DEMAND (kW			
5	500 H	IOURS USE =	27%	25%	48%			On Peak	1.0636	1.0636	On Peak	1.0636	1.0636	
6	600 H	IOURS USE =	25%	24%	51%			Maximum	2.0952		Maximum	2.0952	2.0952	
								ENERGY (kWh)		2.0002	ENERGY (kW		2.0002	
								On Peak	0.10790	0.10790	On Peak	0.10790	0.10790	
								Int Peak	0.10790	0.10790	Int Peak	0.10790	0.10790	
								Off Peak	0.10790	0.10790	Off Peak	0.10790	0.10790	
								SURCHARGES		0.01348	SURCHARGE			
								CONTINUES	0.01340	0.01040	JUNCHARGE	0.01308	0.01368	

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 2 SCHEDULE "R" DISTRICT OF COLUMBIA

	P	RESENT SC	HEDULE R		PROPOSED SCHEDULE R				INCREASE					
KWH	\$ AMOUNT	Γ OF BILL	\$/K\	NΗ	\$ AMOUNT	OF BILL	\$/K	WH	(\$)	(\$)	(%)	(%)	(\$)	(%)
	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	ANNUAL	ANNUAL
0	15.21	15.40	-	-	15.21	15.40	-	-	0.00	0.00	0.00%	0.00%	0.00	0.00%
10	15.39	15.58	1.53900	1.55800	15.40	15.59	1.54000	1.55900	0.01	0.01	0.06%	0.06%	0.01	0.06%
20	15.57	15.76	0.77850	0.78800	15.60	15.79	0.78000	0.78950	0.03	0.03	0.19%	0.19%	0.03	0.19%
30	15.75	15.94	0.52500	0.53133	15.79	15.98	0.52633	0.53267	0.04	0.04	0.25%	0.25%	0.04	0.25%
40	16.75	16.94	0.41875	0.42350	16.81	17.00	0.42025	0.42500	0.06	0.06	0.36%	0.35%	0.06	0.36%
50	17.76	17.95	0.35520	0.35900	17.83	18.02	0.35660	0.36040	0.07	0.07	0.39%	0.39%	0.07	0.39%
100	22.78	22.97	0.22780	0.22970	22.93	23.12	0.22930	0.23120	0.15	0.15	0.66%	0.65%	0.15	0.66%
200	32.82	33.01	0.16410	0.16505	33.13	33.32	0.16565	0.16660	0.31	0.31	0.94%	0.94%	0.31	0.94%
300	42.86	43.05	0.14287	0.14350	43.33	43.52	0.14443	0.14507	0.47	0.47	1.10%	1.09%	0.47	1.09%
400	52.91	53.10	0.13228	0.13275	53.54	53.73	0.13385	0.13433	0.63	0.63	1.19%	1.19%	0.63	1.19%
500	64.36	63.89	0.12872	0.12778	65.14	64.68	0.13028	0.12936	0.78	0.79	1.21%	1.24%	0.79	1.23%
600	75.81	74.69	0.12635	0.12448	76.75	75.63	0.12792	0.12605	0.94	0.94	1.24%	1.26%	0.94	1.25%
700	87.26	85.49	0.12466	0.12213	88.36	86.59	0.12623	0.12370	1.10	1.10	1.26%	1.29%	1.10	1.28%
750	92.98	90.88	0.12397	0.12117	94.16	92.06	0.12555	0.12275	1.18	1.18	1.27%	1.30%	1.18	1.29%
800	98.71	96.28	0.12339	0.12035	99.97	97.54	0.12496	0.12193	1.26	1.26	1.28%	1.31%	1.26	1.30%
850	104.43	101.68	0.12286	0.11962	105.77	103.02	0.12444	0.12120	1.34	1.34	1.28%	1.32%	1.34	1.30%
900	110.16	107.08	0.12240	0.11898	111.57	108.49	0.12397	0.12054	1.41	1.41	1.28%	1.32%	1.41	1.30%
950	115.88	112.48	0.12198	0.11840	117.38	113.97	0.12356	0.11997	1.50	1.49	1.29%	1.32%	1.49	1.31%
1,000	121.61	117.88	0.12161	0.11788	123.18	119.45	0.12318	0.11945	1.57	1.57	1.29%	1.33%	1.57	1.31%
1,250	150.24	144.87	0.12019	0.11590	152.20	146.83	0.12176	0.11746	1.96	1.96	1.30%	1.35%	1.96	1.33%
1,500	178.86	171.86	0.11924	0.11457	181.22	174.21	0.12081	0.11614	2.36	2.35	1.32%	1.37%	2.35	1.35%
1,750	207.49	198.85	0.11857	0.11363	210.24	201.60	0.12014	0.11520	2.75	2.75	1.33%	1.38%	2.75	1.36%
2,000	236.11	225.84	0.11806	0.11292	239.25	228.98	0.11963	0.11449	3.14	3.14	1.33%	1.39%	3.14	1.36%
2,250	264.74	252.83	0.11766	0.11237	268.27	256.36	0.11923	0.11394	3.53	3.53	1.33%	1.40%	3.53	1.37%
							0020	0.11001	0.00	0.00	1.0070	1.4070	3.55	1.57 70
2,500	293.37	279.82	0.11735	0.11193	297.29	283.75	0.11892	0.11350	3.92	3.93	1.34%	1.40%	3.93	1.38%
3,000	350.62	333.80	0.11687	0.11127	355.33	338.51	0.11844	0.11284	4.71	4.71	1.34%	1.41%	4.71	1.38%
3,500	407.87	387.79	0.11653	0.11080	413.37	393.28	0.11811	0.11237	5.50	5.49	1.35%	1.42%	5.49	1.39%
4,000	465.12	441.77	0.11628	0.11044	471.40	448.05	0.11785	0.11201	6.28	6.28	1.35%	1.42%		
5,000	579.63	549.73	0.11593	0.11044	587.48	557.58	0.11765						6.28	1.39%
5,500	01 3.03	J -1 3.73	0.11595	0.10990	307.40	557.56	0.11750	0.11152	7.85	7.85	1.35%	1.43%	7.85	1.40%

	PRE	SENT	PROF	POSED
BLOCK customer &	SUMMER	WINTER	SUMMER	WINTER
Minimum				
Charges	15.44	15.63	15.44	15.63
Next 370 kWh	0.09014	0.09014	0.09014	0.09014
Excess kWh	0.10421	0.09767	0.10421	0.09767
Surcharges	0.01030	0.01030	0.01187	0.01187

^{*} Includes Distribution Customer Charge, Generation Minimum Charge and Transmission Minimum Charge (Distribution Customer Charge includes the first 30 kWh of consumption at the initial block of volumetric rate)

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 2 SCHEDULE "AE" DISTRICT OF COLUMBIA

	PRESENT SCHEDULE AE				PROPOSED SCHEDULE AE				INCREASE					
KWH	\$ AMOUNT	OF BILL	\$/K	WH	\$ AMOUN	T OF BILL	\$/K	WH	(\$)	(\$)	(%)	(%)	(\$)	(%)
	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER			ANNUAL
0	15.18	15.33	-	-	15.18	15.33	-	-	0.00	0.00	0.00%	0.00%	0.00	0.00%
10	15.34	15.49	1.53400	1.54900	15.36	15.51	1.53600	1.55100	0.02	0.02	0.13%	0.13%	0.02	0.13%
20	15.51	15.66	0.77550	0.78300	15.53	15.68	0.77650	0.78400	0.02	0.02	0.13%	0.13%	0.02	0.13%
30	15.67	15.82	0.52233	0.52733	15.71	15.86	0.52367	0.52867	0.04	0.04	0.26%	0.25%	0.04	0.25%
40	16.56	16.76	0.41400	0.41900	16.61	16.81	0.41525	0.42025	0.05	0.05	0.30%	0.30%	0.05	0.30%
50	17.45	17.71	0.34900	0.35420	17.51	17.77	0.35020	0.35540	0.06	0.06	0.34%	0.34%	0.06	0.34%
100	21.92	22.43	0.21920	0.22430	22.03	22.55	0.22030	0.22550	0.11	0.12	0.50%	0.53%	0.12	0.52%
200	30.84	31.87	0.15420	0.15935	31.07	32.11	0.15535	0.16055	0.23	0.24	0.75%	0.75%	0.24	0.75%
300	39.76	41.31	0.13253	0.13770	40.11	41.66	0.13370	0.13887	0.35	0.35	0.88%	0.85%	0.35	0.86%
400	48.68	50.75	0.12170	0.12688	49.15	51.22	0.12288	0.12805	0.47	0.47	0.97%	0.93%	0.47	0.94%
500	59.18	60.71	0.11836	0.12142	59.77	61.30	0.11954	0.12260	0.59	0.59	1.00%	0.97%	0.59	0.98%
600	69.67	70.67	0.11612	0.11778	70.38	71.38	0.11730	0.11897	0.71	0.71	1.02%	1.00%	0.71	1.01%
700	80.17	80.63	0.11453	0.11519	81.00	81.45	0.11571	0.11636	0.83	0.82	1.04%	1.02%	0.82	1.02%
750	85.42	85.60	0.11389	0.11413	86.30	86.49	0.11507	0.11532	0.88	0.89	1.03%	1.04%	0.89	1.04%
800	90.67	90.58	0.11334	0.11323	91.61	91.53	0.11451	0.11441	0.94	0.95	1.04%	1.05%	0.95	1.04%
850	95.91	95.56	0.11284	0.11242	96.92	96.57	0.11402	0.11361	1.01	1.01	1.05%	1.06%	1.01	1.06%
900	101.16	100.54	0.11240	0.11171	102.22	101.60	0.11358	0.11289	1.06	1.06	1.05%	1.05%	1.06	1.05%
950	106.41	105.52	0.11201	0.11107	107.53	106.64	0.11319	0.11225	1.12	1.12	1.05%	1.06%	1.12	1.06%
1,000	111.66	110.50	0.11166	0.11050	112.84	111.68	0.11284	0.11168	1.18	1.18	1.06%	1.07%	1.18	1.06%
1,250	137.90	135.39	0.11032	0.10831	139.37	136.87	0.11150	0.10950	1.47	1.48	1.07%	1.09%	1.48	1.08%
1,500	164.14	160.29	0.10943	0.10686	165.91	162.06	0.11061	0.10804	1.77	1.77	1.08%	1.10%	1.77	1.09%
1,750	190.38	185.18	0.10879	0.10582	192.44	187.25	0.10997	0.10700	2.06	2.07	1.08%	1.12%	2.07	1.10%
2,000	216.62	210.08	0.10831	0.10504	218.98	212.44	0.10949	0.10622	2.36	2.36	1.09%	1.12%	2.36	1.11%
2,250	242.86	234.97	0.10794	0.10443	245.51	237.63	0.10912	0.10561	2.65	2.66	1.09%	1.13%	2.66	1.11%
2,500	269.10	259.87	0.10764	0.10395	272.05	262.82	0.10882	0.10513	2.95	2.95	1.10%	1.14%	2.95	1.12%
3,000	321.58	309.66	0.10719	0.10322	325.12	313.20	0.10837	0.10440	3.54	3.54	1.10%	1.14%	3.54	1.13%
3,500	374.06	359.45	0.10687	0.10270	378.19	363.58	0.10805	0.10388	4.13	4.13	1.10%	1.15%	4.13	1.13%
4,000	426.54	409.24	0.10664	0.10231	431.26	413.96	0.10782	0.10349	4.72	4.72	1.11%	1.15%	4.72	1.13%
5,000	531.49	508.82	0.10630	0.10176	537.39	514.72	0.10748	0.10294	5.90	5.90	1.11%	1.16%	5.90	1.14%
												11/0 17 5 30/5		

	PRE	SENT	PROF	POSED
BLOCK	SUMMER	WINTER	SUMMER	WINTER
* Customer & Minimum				
Charges	15.43	15.58	15.43	15.58
Next 370 kWh	0.08112	0.08631	0.08112	0.08631
Excess kWh	0.09686	0.09148	0.09686	0.09148
Surcharges	0.00810	0.00810	0.00928	0.00928

^{*} Includes Distribution Customer Charge, Generation Minimum Charge and Transmission Minimum Charge (Distribution Customer Charge includes the first 30 kWh of consumption at the initial block of volumetric rate)

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 2 SCHEDULE "R-TM" DISTRICT OF COLUMBIA

	PRESENT R-TM KWH \$AMOUNT OF BILL \$/KWH				_	PROPOSE	D R-TM				INCREASE			
KWH					\$ AMOUN			WH	(\$)	(\$)	(%)	(%)	(\$)	(%)
	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	ANNUAL	ANNUAL
1,000	150.58	156.18		0.15618	155.47	161.07	0.15547	0.16107	4.89	4.89	3.25%	3.13%	4.89	3.18%
1,500	217.11	225.52		0.15035	224.44	232.85	0.14963	0.15523	7.33	7.33	3.38%	3.25%	7.33	3.30%
2,000	283.64	294.85		0.14743	293.42	304.63	0.14671	0.15232	9.78	9.78	3.45%	3.32%	9.78	3.37%
2,500	350.16	364.18		0.14567	362.39	376.41	0.14496	0.15056	12.23	12.23	3.49%	3.36%	12.23	3.41%
3,000	416.69	433.51	0.13890	0.14450	431.36	448.18	0.14379	0.14939	14.67	14.67	3.52%	3.38%	14.67	3.44%
3,500	483.22	502.85	0.13806	0.14367	500.34	519.96	0.14295	0.14856	17.12	17.11	3.54%	3.40%	17.11	3.46%
4,000	549.75	572.18		0.14305	569.31	591.74	0.14233	0.14794	19.56	19.56	3.56%	3.42%	19.56	3.48%
4,500	616.28	641.51	0.13695	0.14256	638.29	663.51	0.14184	0.14745	22.01	22.00	3.57%	3.43%	22.00	3.49%
5,000	682.81	710.84	0.13656	0.14217	707.26	735.29	0.14145	0.14706	24.45	24.45	3.58%	3.44%	24.45	3.50%
5,500	749.34	780.17	0.13624	0.14185	776.23	807.07	0.14113	0.14674	26.89	26.90	3.59%	3.45%	26.90	3.51%
6,000	815.87	849.51	0.13598	0.14159	845.21	878.85	0.14087	0.14648	29.34	29.34	3.60%	3.45%	29.34	3.51%
6,500	882.40	918.84	0.13575	0.14136	914.18	950.62	0.14064	0.14625	31.78	31.78	3.60%	3.46%	31.78	3.52%
7,000	948.92	988.17	0.13556	0.14117	983.15	1,022.40	0.14045	0.14606	34.23	34.23	3.61%	3.46%	34.23	3.52%
7,500	1,015.45	1,057.50	0.13539	0.14100	1,052.13	1,094.18	0.14028	0.14589	36.68	36.68	3.61%	3.47%	36.68	3.53%
8,000	1,081.98	1,126.83	0.13525	0.14085	1,121.10	1,165.95	0.14014	0.14574	39.12	39.12	3.62%	3.47%	39.12	3.53%
8,500	1,148.51	1,196.17	0.13512	0.14073	1,190.08	1,237.73	0.14001	0.14562	41.57	41.56	3.62%	3.47%	41.56	3.53%
9,000	1,215.04	1,265.50	0.13500	0.14061	1,259.05	1,309.51	0.13989	0.14550	44.01	44.01	3.62%	3.48%	44.01	3.54%
9,500	1,281.57	1,334.83	0.13490	0.14051	1,328.02	1,381.29	0.13979	0.14540	46.45	46.46	3.62%	3.48%	46.46	3.54%
10,000	1,348.10	1,404.16	0.13481	0.14042	1,397.00	1,453.06	0.13970	0.14531	48.90	48.90	3.63%	3.48%	48.90	3.54%
11,000	1,481.16	1,542.83	0.13465	0.14026	1,534.95	1,596.62	0.13954	0.14515	53.79	53.79	3.63%	3.49%	53.79	3.55%
12,000	1,614.21	1,681.49	0.13452	0.14012	1,672.89	1,740.17	0.13941	0.14501	58.68	58.68	3.64%	3.49%	58.68	3.55%
13,000	1,747.27	1,820.16	0.13441	0.14001	1,810.84	1,883.73	0.13930	0.14490	63.57	63.57	3.64%	3.49%	63.57	3.55%
14,000	1,880.33	1,958.82		0.13992	1,948.79	2,027.28	0.13920	0.14481	68.46	68.46	3.64%	3.49%	68.46	3.55%
15,000	2,013.39	2,097.49	0.13423	0.13983	2,086.74	2,170.84	0.13912	0.14472	73.35	73.35	3.64%	3.50%	73.35	3.56%
17,500	2,346.03	2,444.15	0.13406	0.13967	2,431.61	2,529.72	0.13895	0.14456	85.58	85.57	3.65%	3.50%	85.57	3.56%
20,000	2,678.68	2,790.81	0.13393	0.13954	2,776.48	2,888.61	0.13882	0.14443	97.80	97.80	3.65%	3.50%	97.80	3.56%
22,500	3,011.32	3,137.47	0.13384	0.13944	3,121.35	3,247.49	0.13873	0.14433	110.03	110.02	3.65%	3.51%	110.02	3.57%
25,000	3,343.97	3,484.13	0.13376	0.13937	3,466.22	3,606.38	0.13865	0.14426	122.25	122.25	3.66%	3.51%	122.25	3.57%
KWH DIST	RIBUTION					Г		PRESENT			PROPOSED			
ALL CUMMED!	1011001100	ON PK		OFF PK										

KWH DISTRIBUTION					
		ON PK	INT	C	OFF PK
ALL SUMMER HOURS USE	=	29%)	25%	46%
ALL WINTER HOURS USE	=	22%	,	25%	53%

	PRESENT		PROPOSED						
	SUMMER	WINTER	S	UMMER	WINTER				
CUSTOMER	17.52	17.52	CUSTOMER	17.52	17.52				
ENERGY (kWh)			ENERGY (kWh)						
On Peak	0.12905	0.12810	On Peak	0.12905	0.12810				
Intermediate	0.11885	0.12706	Intermediate	0.11885	0.12706				
Off Peak	0.11474	0.12373	Off Peak	0.11474	0.12373				
Surcharges	0.01314	0.01314	Surcharges	0.01803	0.01803				

Appendix M Page 34 of 40

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 2 SCHEDULE "GS ND" DISTRICT OF COLUMBIA

	The state of the s	PRESENT	GS_ND			PROPOSED	INCREASE							
KWH	\$ AMOUN	T OF BILL	\$/K	WH	\$ AMOUN	T OF BILL	\$/KWH	I	(\$)	(\$)	(%)	(%)	(\$)	(%)
	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER		
0	23.39	23.39	-	-	23.39	23.39	-	-	0.00	0.00	0.00%	0.00%	0.00	0.00%
10	24.51	24.49	2.45100	2.44900	24.54	24.52	2.45400	2.45200	0.03	0.03	0.12%	0.12%	0.03	0.12%
20	25.63	25.59	1.28150	1.27950	25.69	25.65	1.28450	1.28250	0.06	0.06	0.23%	0.23%	0.06	0.23%
30	26.76	26.69	0.89200	0.88967	26.84	26.78	0.89467	0.89267	0.08	0.09	0.30%	0.34%	0.09	0.32%
40	27.88	27.79	0.69700	0.69475	28.00	27.91	0.70000	0.69775	0.12	0.12	0.43%	0.43%	0.12	0.43%
50	29.00	28.89	0.58000	0.57780	29.15	29.04	0.58300	0.58080	0.15	0.15	0.52%	0.52%	0.15	0.52%
100	34.61	34.40	0.34610	0.34400	34.91	34.70	0.34910	0.34700	0.30	0.30	0.87%	0.87%	0.30	0.87%
150	40.22	39.90	0.26813	0.26600	40.66	40.35	0.27107	0.26900	0.44	0.45	1.09%	1.13%	0.45	1.11%
200	45.83	45.41	0.22915	0.22705	46.42	46.00	0.23210	0.23000	0.59	0.59	1.29%	1.30%	0.59	1.29%
250	51.44	50.91	0.20576	0.20364	52.18	51.65	0.20872	0.20660	0.74	0.74	1.44%	1.45%	0.74	1.45%
300	57.04	56.41	0.19013	0.18803	57.94	57.31	0.19313	0.19103	0.90	0.90	1.58%	1.60%	0.90	1.59%
400	68.26	67.42	0.17065	0.16855	69.45	68.61	0.17363	0.17153	1.19	1.19	1.74%	1.77%	1.19	1.76%
500	79.48	78.43	0.15896	0.15686	80.97	79.92	0.16194	0.15984	1.49	1.49	1.87%	1.90%	1.49	1.89%
600	90.70	89.44	0.15117	0.14907	92.48	91.22	0.15413	0.15203	1.78	1.78	1.96%	1.99%	1.78	1.98%
700	101.92	100.45	0.14560	0.14350	104.00	102.53	0.14857	0.14647	2.08	2.08	2.04%	2.07%	2.08	2.06%
800	113.14	111.46	0.14143	0.13933	115.51	113.83	0.14439	0.14229	2.37	2.37	2.09%	2.13%	2.37	2.11%
900	124.35	122.46	0.13817	0.13607	127.03	125.14	0.14114	0.13904	2.68	2.68	2.16%	2.19%	2.68	2.17%
1,000	135.57	133.47	0.13557	0.13347	138.54	136.44	0.13854	0.13644	2.97	2.97	2.19%	2.23%	2.97	2.21%
1,250	163.62	160.99	0.13090	0.12879	167.33	164.70	0.13386	0.13176	3.71	3.71	2.27%	2.30%	3.71	2.29%
1,500	191.66	188.51	0.12777	0.12567	196.12	192.97	0.13075	0.12865	4.46	4.46	2.33%	2.37%	4.46	2.35%
1,750	219.71	216.03	0.12555	0.12345	224.91	221.23	0.12852	0.12642	5.20	5.20	2.37%	2.41%	5.20	2.39%
2,000	247.75	243.55	0.12388	0.12178	253.69	249.49	0.12685	0.12475	5.94	5.94	2.40%	2.44%	5.94	2.42%
2,500	303.84	298.59	0.12154	0.11944	311.27	306.02	0.12451	0.12241	7.43	7.43	2.45%	2.49%	7.43	2.47%
3,000	359.94	353.64	0.11998	0.11788	368.85	362.55	0.12295	0.12085	8.91	8.91	2.48%	2.52%	8.91	2.50%
3,500	416.03	408.68	0.11887	0.11677	426.42	419.07	0.12183	0.11973	10.39	10.39	2.50%	2.54%	10.39	2.52%
4,000	472.12	463.72	0.11803	0.11593	484.00	475.60	0.12100	0.11890	11.88	11.88	2.52%	2.56%	11.88	2.54%
5,000	584.30	573.80	0.11686	0.11476	599.15	588.65	0.11983	0.11773	14.85	14.85	2.54%	2.59%	14.85	2.57%
6,000	696.48	683.88	0.11608	0.11398	714.30	701.70	0.11905	0.11695	17.82	17.82	2.56%	2.61%	17.82	2.59%

	PRES	SENT	PROPOSED				
	SUMMER	WINTER	SUMMER	WINTER			
CUSTOMER	23.39	23.39	23.39	23.39			
ENERGY (kWh)							
All Kilowatt-hours	0.10888	0.10678	0.10888	0.10678			
Surcharges	0.003302	0.003302	0.006272	0.006272			

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 2 SCHEDULE "GS D LV" DISTRICT OF COLUMBIA

			PRESENT	GS_D_LV			PROPOSED	GS_D_LV	INCREASE					
KW	Hours Use	KWH		NT OF BILL	\$/K	WH	\$ AMOUN	T OF BILL	\$/KWH	1	(\$)	(\$)	(%)	(%)
			SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER
40	100	4000	405.07	100.10	0.40507	0.40040	200 70					200	00/75013/990	
10			195.07	192.48	0.19507	0.19248	200.76	198.17	0.20076	0.19817	5.69	5.69	2.92%	2.96%
	200		317.74	312.56	0.15887	0.15628	329.12	323.94	0.16456	0.16197	11.38	11.38	3.58%	3.64%
	300		440.40	432.63	0.14680	0.14421	457.47	449.70	0.15249	0.14990	17.07	17.07	3.88%	3.95%
	400	4000	563.06	552.70	0.14077	0.13818	585.82	575.46	0.14646	0.14387	22.76	22.76	4.04%	4.12%
	500	5000	685.73	672.78	0.13715	0.13456	714.18	701.23	0.14284	0.14025	28.45	28.45	4.15%	4.23%
	600	6000	808.39	792.85	0.13473	0.13214	842.53	826.99	0.14042	0.13783	34.14	34.14	4.22%	4.31%
25	100	2,500	447.02	140 E4	0.47004	0.47000	404.04	454.77	0.40450	0.40404	4400			
20	200			440.54	0.17881	0.17622	461.24	454.77	0.18450	0.18191	14.22	14.23	3.18%	3.23%
		5,000	753.68	740.73	0.15074	0.14815	782.13	769.18	0.15643	0.15384	28.45	28.45	3.77%	3.84%
	300	7,500	1,060.33	1,040.91	0.14138	0.13879	1,103.01	1,083.58	0.14707	0.14448	42.68	42.67	4.03%	4.10%
	400	10,000	1,366.99	1,341.09	0.13670	0.13411	1,423.89	1,397.99	0.14239	0.13980	56.90	56.90	4.16%	4.24%
	500	12,500	1,673.65	1,641.28	0.13389	0.13130	1,744.78	1,712.40	0.13958	0.13699	71.13	71.12	4.25%	4.33%
	600	15,000	1,980.31	1,941.46	0.13202	0.12943	2,065.66	2,026.81	0.13771	0.13512	85.35	85.35	4.31%	4.40%
50	100	5,000	866.93	853.98	0.17339	0.17080	895.38	882.43	0.17908	0.17649	20.45	20.45	2 2201	0.000/
50	200	10,000	1,480.24	1.454.34	0.17339	0.17660	1,537.14	1,511.24			28.45	28.45	3.28%	3.33%
	300	15,000	2,093.56	2,054.71	0.13957	0.14543	2,178.91	TO DESCRIPTION OF THE PERSON	0.15371	0.15112	56.90	56.90	3.84%	3.91%
	400	20,000	2,706.87	2,655.07	0.13534	0.13096		2,140.06	0.14526	0.14267	85.35	85.35	4.08%	4.15%
	500	25,000	3,320.19	3,255.44	0.13334	0.13275	2,820.67	2,768.87	0.14103	0.13844	113.80	113.80	4.20%	4.29%
	600	30,000	3,933.51	3,855.81	0.13261	0.13022	3,462.44	3,397.69	0.13850	0.13591	142.25	142.25	4.28%	4.37%
	600	30,000	3,933.51	3,000.01	0.13112	0.12003	4,104.21	4,026.51	0.13681	0.13422	170.70	170.70	4.34%	4.43%
75	100	7,500	1,286.83	1,267.41	0.17158	0.16899	1,329.51	1,310.08	0.17727	0.17468	42.68	42.67	3.32%	3.37%
	200	15,000	2,206.81	2,167.96	0.14712	0.14453	2,292.16	2,253.31	0.15281	0.15022	85.35	85.35	3.87%	3.94%
	300	22,500	3,126.78	3,068.51	0.13897	0.13638	3,254.81	3,196.53	0.14466	0.14207	128.03	128.02	4.09%	4.17%
	400	30,000	4,046.76	3,969.06	0.13489	0.13230	4,217.46	4,139.76	0.14058	0.13799	170.70	170.70	4.22%	4.30%
	500	37,500	4,966.73	4,869.60	0.13245	0.12986	5,180.10	5,082.98	0.13814	0.13555	213.37	213.38	4.30%	4.38%
	600	45,000	5,886.70	5,770.15	0.13082	0.12823	6,142.75	6,026.20	0.13651	0.13392	256.05	256.05	4.35%	4.44%
			46/-	10.0	2012 6 6 6 6		-,	-,	5. 1000 1	J JOUL	230.00	200.00	-1.0070	7.77 /0

	PRE	SENT	PROP	OSED
	SUMMER	WINTER	SUMMER	WINTER
CUSTOMER	27.11	27.11	27.11	27.11
ENERGY (kWh)				
first 6000	0.11520	0.11261	0.11520	0.11261
additional	0.11520	0.11261	0.11520	0.11261
Surcharges	0.0074632	0.0074632	0.013153	0.0131532
DEMAND (kW)	4.53	4.53	4.53	4.53

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 2 SCHEDULE "GT LV" DISTRICT OF COLUMBIA

HOURS		-		PROPOSED 'GT- LV'				INCREASE						
USE	KWH	\$ AMOUN		\$/K	WH	\$ AMOU	NT OF BILL	\$/k	WH		(\$)	(\$)	(%)	(%)
		SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER		SUMMER	WINTER	SUMMER	
						MAXIMUM AN	ID ON PEAK DEM	AND =	100	KW				
200		3,349.51	3,353.61	0.16748	0.16768	3,420.11	3,424.21	0.17101	0.17121		70.60	70.60	2.11%	2.11%
300	A STATE OF THE STA	4,272.36	4,329.68	0.14241	0.14432	4,378.26	4,435.58	0.14594	0.14785		105.90	105.90	2.48%	
400		5,164.13	5,298.09	0.12910	0.13245	5,305.33	5,439.29	0.13263	0.13598		141.20	141.20	2.73%	2.67%
500		6,043.00	6,262.77	0.12086	0.12526	6,219.50	6,439.27	0.12439	0.12879		176.50	176.50	2.92%	
600	60,000	6,920.61	7,226.58	0.11534	0.12044	7,132.41	7,438.38	0.11887	0.12397		211.80	211.80	3.06%	
									300	KW				
200	60,000	9,290.46	9,302.77	0.15484	0.15505	9,502.26	9,514.57	0.15837	0.15858		211.80	211.80	2.28%	2.28%
300	90,000	12,059.00	12,230.96	0.13399	0.13590	12,376.70	12,548.66	0.13752	0.13943		317.70	317.70	2.63%	2.60%
400	120,000	14,734.32	15,136.21	0.12279	0.12614	15,157.92	15,559.81	0.12632	0.12967		423.60	423.60	2.87%	2.80%
500	150,000	17,370.93	18,030.24	0.11581	0.12020	17,900.43	18,559.74		0.12373		529.50	529.50	3.05%	2.94%
600	180,000	20,003.77	20,921.66	0.11113	0.11623	20,639.17	21,557.06		0.11976		635.40	635.40	3.18%	3.04%
									500	kw				
200	100,000	15,231.40	15,251.93	0.15231	0.15252	15,584.40	15,604.93	0.15584	0.15605		353.00	353.00	2.32%	2.31%
300	150,000	19,845.64	20,132.25	0.13230	0.13422	20,375.14	20,661.75		0.13775		529.50	529.50	2.67%	2.63%
400	200,000	24,304.51	24,974.32	0.12152	0.12487	25,010.51	25,680.32		0.12840		706.00	706.00	2.90%	2.83%
500	250,000	28,698.86	29,797.71	0.11480	0.11919	29,581.36	30,680.21		0.12272		882.50	882.50	3.08%	2.96%
600	300,000	33,086.93	34,616.74	0.11029	0.11539	34,145.93	35,675.74		0.11892		1,059.00	1,059.00	3.20%	3.06%
			•			,	,	0.11002			1,000.00	1,000.00	0.2070	0.0070
									1,000	KW				
200	200,000	30,083.77	30,124.83	0.15042	0.15062	30,789.77	30,830.83	0.15395	0.15415		706.00	706.00	2.35%	2.34%
300	300,000	39,312.24	39,885.46	0.13104	0.13295	40,371.24	40,944.46	0.13457	0.13648		1,059.00	1,059.00	2.69%	2.66%
400	400,000	48,229.99	49,569.61	0.12057	0.12392	49,641.99	50,981.61	0.12410	0.12745		1,412.00	1,412.00	2.93%	2.85%
500	500,000	57,018.68	59,216.38	0.11404	0.11843	58,783.68	60,981.38		0.12196		1,765.00	1,765.00	3.10%	2.98%
600	600,000	65,794.83	68,854.45	0.10966	0.11476	67,912.83	70,972.45	0.11319	0.11829		2,118.00	2,118.00	3.22%	3.08%
KWH	DISTRIBUTION							PRESENT				PROPOSED		
		ON PK	INT	OFF PK										
200	HOURS USE =	31%	29%	40%				SUMMER	WINTER			SUMMER	WINTER	
300	HOURS USE =	33%	27%	40%			CUSTOMER	379.03	379.03		CUSTOMER	379.03	379.03	
400	HOURS USE =	30%	26%	44%			DEMAND (kW)				DEMAND (kW)	-, -, -, -	0.000	
500	HOURS USE =	27%	25%	48%			On Peak	1.1759	0.0000		On Peak	1.1759	0.0000	
600	HOURS USE =	25%	24%	51%			Maximum	10.2297	10.2297		Maximum	10.2297	10.2297	
							ENERGY (kWh)				ENERGY (kWh)	10.2291	10.2231	
							On Peak	0.08644	0.08298		On Peak	0.08644	0.08298	
							Int Peak	0.07329	0.08255		Int Peak	0.00044	0.08255	
							Off Peak	0.06702	0.08233		Off Peak	0.07329	0.08255	
							SURCHARGES	0.00762	0.01664		SURCHARGES	0.00702	0.07820	
							- STOTE TOLO	0.01004	0.01004		CONCILANGES	0.02017	0.02017	

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 2 SCHEDULE "GT LV" DISTRICT OF COLUMBIA

HOURS			PRESENT '				PROPOSED 'C	GT- LV'			INCREASE			
USE	KWH		IT OF BILL	\$/K		\$ AMOU	NT OF BILL	\$/K	WH		(\$)	(\$)	(%)	(%)
		SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER		SUMMER	WINTER	SUMMER	WINTER
						MAXIMUM AN	D ON PEAK DEM	AND =	2,000	KW				
200	400,000	59,788.51	59,870.63	0.14947	0.14968	61,200.51	61,282.63		0.15321		1,412.00	1,412.00	2.36%	2.36%
300	600,000	78,245.45	79,391.89	0.13041	0.13232	80,363.45	81,509.89	0.13394	0.13585		2,118.00	2,118.00	2.71%	2.67%
400	800,000	96,080.95	98,760.19	0.12010	0.12345	98,904.95	101,584.19	0.12363	0.12698		2,824.00	2,824.00	2.94%	2.86%
500	1,000,000	113,658.33	118,053.73	0.11366	0.11805	117,188.33	121,583.73	0.11719	0.12158		3,530.00	3,530.00	3.11%	2.99%
600	1,200,000	131,210.63	137,329.87	0.10934	0.11444	135,446.63	141,565.87	0.11287	0.11797		4,236.00	4,236.00	3.23%	3.08%
									4,000	ĸw				
200	800,000	119,197.99	119,362.23	0.14900	0.14920	122,021.99	122,186.23	0.15253	0.15273		2,824.00	2,824.00	2.37%	2.37%
300	1,200,000	156,111.87	158,404.75	0.13009	0.13200	160,347.87	162,640.75		0.13553		4,236.00	4,236.00	2.71%	2.67%
400	1,600,000	191,782.87	197,141.35	0.11986	0.12321	197,430.87	202,789.35		0.12674		5,648.00	5,648.00	2.94%	2.86%
500	2,000,000	226,937.63	235,728.43	0.11347	0.11786	233,997.63	242,788.43		0.12139		7,060.00	7,060.00	3.11%	2.99%
600	2,400,000	262,042.23	274,280.71	0.10918	0.11428	270,514.23	282,752.71	0.11271	0.11781		8,472.00	8,472.00	3.23%	3.09%
									6,000	ĸw				
200	1,200,000	178,607.47	178,853.83	0.14884	0.14904	182,843.47	183,089.83	0.15237	0.15257	1444	4,236.00	4,236.00	2.37%	2.37%
300		233,978.29	237,417.61	0.12999	0.13190	240,332.29	243,771.61	0.13352	0.13543		6,354.00	6,354.00	2.72%	2.68%
400		287,484.79	295,522.51	0.11979	0.12313	295,956.79	303,994.51	0.12332	0.12666		8,472.00	8,472.00	2.72%	2.87%
500		340,216,93	353,403.13	0.11341	0.11780	350,806.93	363,993.13	0.11694	0.12133		10,590.00	10,590.00	3.11%	3.00%
600		392,873.83	411,231.55	0.10913	0.11423	405,581.83	423,939.55	0.11266	0.12100		12,708.00	12,708.00	3.23%	3.09%
						•	,		10.1 0 10.01.0		,,	,	0.2070	0.0070
									8,000	KW				
200	WINDOWS AND AND ADDRESS AND AD	238,016.95	238,345.43	0.14876	0.14897	243,664.95	243,993.43	0.15229	0.15250		5,648.00	5,648.00	2.37%	2.37%
300		311,844.71	316,430.47	0.12994	0.13185	320,316.71	324,902.47	0.13347	0.13538		8,472.00	8,472.00	2.72%	2.68%
400		383,186.71	393,903.67	0.11975	0.12309	394,482.71	405,199.67	0.12328	0.12662		11,296.00	11,296.00	2.95%	2.87%
500		453,496.23	471,077.83	0.11337	0.11777	467,616.23	485,197.83	0.11690	0.12130		14,120.00	14,120.00	3.11%	3.00%
600	4,800,000	523,705.43	548,182.39	0.10911	0.11420	540,649.43	565,126.39	0.11264	0.11773		16,944.00	16,944.00	3.24%	3.09%
KWH	DISTRIBUTION							PRESENT				PROPOSED		
	WW.		INT	OFF PK										
	HOURS USE =	31%	29%	40%				SUMMER	WINTER			SUMMER	WINTER	
	HOURS USE =	33%	27%	40%			CUSTOMER	379.03	379.03		CUSTOMER	379.03	379.03	
	HOURS USE =	30%	26%	44%			DEMAND (kW)				DEMAND (kW)			
	HOURS USE =	27%	25%	48%			On Peak	1.1759	0.0000		On Peak	1.1759	0.0000	
600	HOURS USE =	25%	24%	51%			Maximum	10.2297	10.2297		Maximum	10.2297	10.2297	
							ENERGY (kWh)				ENERGY (kWh)			
							On Peak	0.08644	0.08298		On Peak	0.08644	0.08298	
							Int Peak	0.07329	0.08255		Int Peak	0.07329	0.08255	
							Off Peak	0.06702	0.07820		Off Peak	0.06702	0.07820	
							SURCHARGES	0.01664	0.01664		SURCHARGES	0.02017	0.02017	

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 2 SCHEDULE "GT 3A" DISTRICT OF COLUMBIA

HOURS				PRESENT 'G'				PROPOSED 'G				INCREASE			
USE	KWH		The state of the s	NT OF BILL	\$/K			NT OF BILL	\$/K	WH		(\$)	(\$)	(%)	(%)
			SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER		SUMMER	WINTER	SUMMER	WINTER
							MAXIMUM AND	ON PEAK DEMA	ND =	1,000	ĸw				
20	00 200	0,000	24,599.37	24,513.69	0.12300	0.12257	25,019.37	24,933.69		0.12467		420.00	420.00	1.71%	1.71%
30	00 300	0,000	32,776.44		0.10925	0.11049	33,406.44	33,776.38		0.11259		630.00		1.92%	
40	00 400	0,000	40,592.07	41,648.35	0.10148	0.10412	41,432.07	42,488.35		0.10622		840.00		2.07%	
50	500	0,000	48,255.48	50,088.78	0.09651	0.10018	49,305.48	51,138.78		0.10228		1,050.00		2.18%	
60	00 600	0,000	55,902.21	58,516.69	0.09317	0.09753	57,162.21	59,776.69		0.09963		1,260.00	A. C. C. Leave Control of the Contro	2.25%	
										2,000	ĸw				
20	00 400	0,000	49,046.11	48,874.75	0.12262	0.12219	49,886.11	49,714.75	0.12472	0.12429		840.00	840.00	1.71%	1.72%
30		,000	65,400.25	The state of the s	0.10900	0.11023	66,660.25	67,400.13		0.11233		1,260.00		1.93%	
40		0,000	81,031.51	83,144.07	0.10129	0.10393	82,711.51	84,824.07		0.10603		1,680.00	1.1.1	2.07%	
50			96,358.33		0.09636	0.10002	98,458.33	102,124.93		0.10212		2,100.00		2.18%	
60			111,651.79			0.09740	114,171.79	119,400.75		0.09950		2,520.00		2.26%	
										5,000	KM				
20	0 1,000	000	122,386.33	121,957.93	0.12239	0.12196	124,486.33	124,057.93	0.12449	0.12406	LCAA	2,100.00	2,100.00	1.72%	1.72%
30	1111		163,271.68		0.10885	0.11008	166,421.68	168,271.38		0.11218		3,150.00	3,150.00	1.72%	
40		• 00000000	202,349.83		0.10117	0.10382	206,549.83	211,831.23		0.11218		4,200.00		2.08%	
50			240,666.88		0.09627	0.09993	245,916.88	255,083.38		0.10392		5,250.00	5,250.00	2.08%	
60			278,900.53	THE SERVICE STREET	0.09297	0.09732	285,200.53	298,272.93		0.10203		6,300.00	6,300.00	2.16%	
										W 180 19 10 1000.00		(1) Free CP / (1) 12 (1) (1)	50.		
00	0 4500		400 500 40	100 000 50	0.4000.4	0.40404				7,500	KW	121.0 25 1010			
20			183,503.18		0.12234	0.12191	186,653.18	186,010.58		0.12401		3,150.00		1.72%	
30			244,831.21	247,605.76	0.10881	0.11005	249,556.21	252,330.76		0.11215		4,725.00	and the second second	1.93%	
40 50			303,448.43	311,370.53	0.10115	0.10379	309,748.43	317,670.53		0.10589		6,300.00	6,300.00	2.08%	
60			360,924.01 418,274.48	374,673.76 437,883.08	0.09625 0.09295	0.09991 0.09731	368,799.01 427,724.48	382,548.76 447,333.08		0.10201 0.09941		7,875.00 9,450.00		2.18% 2.26%	
0.0	4,500	,,000	410,274.40	437,000.00	0.09293	0.09731	421,124.40	447,333.06	0.09505	0.09941		9,450.00	9,450.00	2.26%	2.16%
KW	I DISTRIBUT								PRESENT				PROPOSED		
			ON PK	INT	OFF PK										
	HOURS US		31%	29%	40%				SUMMER	WINTER			SUMMER	WINTER	
	HOURS		33%	27%	40%			CUSTOMER	152.63	152.63		CUSTOMER	152.63	152.63	
	HOURS US		30%	26%	44%			DEMAND (kW)				DEMAND (kW)			
	HOURS US		27%	25%	48%			On Peak	1.1450	0.0000		On Peak	1.1450	0.0000	
60	HOURS US	SE =	25%	24%	51%			Maximum	7.1186	7.1186		Maximum	7.1186	7.1186	
								ENERGY (kWh)				ENERGY (kWh)			
								On Peak	0.07900	0.07495		On Peak	0.07900	0.07495	
								Int Peak	0.06475	0.07304		Int Peak	0.06475	0.07304	
								Off Peak	0.05641	0.06678		Off Peak	0.05641	0.06678	
								SURCHARGES	0.01508	0.01508		SURCHARGES	0.01718	0.01718	

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 2 SCHEDULE "GT 3A" DISTRICT OF COLUMBIA

HOURS			PRESENT 'GT	-3A'			PROPOSED 'GT- 3A'				INCREASE			
USE	KWH	\$ AMOUN	T OF BILL	\$/K\	ΛΗ	\$ AMOUN	IT OF BILL	\$/K	WH	(\$)	(\$)	(%)	(%)	
		SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	
						MAXIMUM AND	ON PEAK DEMAN	ND =	10,000 K	N				
200	2,000,000	244,620.03	243,763.23	0.12231	0.12188	248,820.03	247,963.23	0.12441	0.12398	4,200.00	4,200.00	1.72%	1.72%	
300		326,390.73	330,090.13	0.10880	0.11003	332,690.73	336,390.13	0.11090	0.11213	6,300.00	6,300.00	1.93%		
400		404,547.03	415,109.83	0.10114	0.10378	412,947.03	423,509.83	0.10324	0.10588	8,400.00	8,400.00	2.08%		
500		481,181.13	499,514.13	0.09624	0.09990	491,681.13	510,014.13	0.09834	0.10200	10,500.00	10,500.00	2.18%		
600		557,648.43	583,793.23	0.09294	0.09730	570,248,43	596,393.23	0.09504	0.09940	12,600.00	12,600.00	2.26%		
	5,000,000					0.0,2.0.10				12,000.00	12,000.00	2.2070	2.1070	
									20,000 K	N				
200	4,000,000	489,087.43	487,373.83	0.12227	0.12184	497,487.43	495,773.83	0.12437	0.12394	8,400.00	8,400.00	1.72%	1.72%	
300	6,000,000	652,628.83	660,027.63	0.10877	0.11000	665,228.83	672,627.63	0.11087	0.11210	12,600.00	12,600.00	1.93%	1.91%	
400	8,000,000	808,941.43	830,067.03	0.10112	0.10376	825,741.43	846,867.03	0.10322	0.10586	16,800.00	16,800.00	2.08%	2.02%	
500	10,000,000	962,209.63	998,875.63	0.09622	0.09989	983,209.63	1,019,875.63	0.09832	0.10199	21,000.00	21,000.00	2.18%	2.10%	
600	12,000,000	1,115,144.23	1,167,433.83	0.09293	0.09729	1,140,344.23	1,192,633.83	0.09503	0.09939	25,200.00	25,200.00	2.26%	2.16%	
									30,000 K					
200		733,554.83	730,984.43	0.12226	0.12183	746,154.83	743,584.43	0.12436	0.12393	12,600.00	12,600.00	1.72%		
300		978,866.93	989,965.13	0.10876	0.11000	997,766.93	1,008,865.13	0.11086	0.11210	18,900.00	18,900.00	1.93%		
400	12,000,000	1,213,335.83	1,245,024.23	0.10111	0.10375	1,238,535.83	1,270,224.23	0.10321	0.10585	25,200.00	25,200.00	2.08%		
500	15,000,000	1,443,238.13	1,498,237.13	0.09622	0.09988	1,474,738.13	1,529,737.13	0.09832	0.10198	31,500.00	and the second second	2.18%		
600	18,000,000	1,672,640.03	1,751,074.43	0.09292	0.09728	1,710,440.03	1,788,874.43	0.09502	0.09938	37,800.00	37,800.00	2.26%	2.16%	
									40,000 K	N				
200	8,000,000	978,022.23	974,595.03	0.12225	0.12182	994,822.23	991,395.03	0.12435	0.12392	16,800.00	16,800.00	1.72%	1.72%	
300		1,305,105.03	1,319,902.63	0.10876	0.10999	1,330,305.03	1,345,102.63	0.11086	0.11209	25,200.00	2 - 10 to 10 de	1.93%		
400		1,617,730.23	1,659,981.43	0.10111	0.10375	1,651,330.23	1,693,581.43	0.10321	0.10585	33,600.00		2.08%		
500		1,924,266.63	1,997,598.63	0.09621	0.09988	1,966,266.63	2,039,598.63	0.09831	0.10198	42,000.00	The state of the s	2.18%		
600		2,230,135.83	2,334,715.03	0.09292	0.09728	2,280,535.83	2,385,115.03		0.09938	50,400.00	50,400.00	2.26%		
													i	
KWH	DISTRIBUTION							PRESENT			PROPOSED			
			INT	OFF PK										
	HOURS USE =	31%	29%	40%			0110701455	SUMMER	CALLESTON CONTRACTOR	0110701155		WINTER		
	HOURS USE =	33%	27%	40%			CUSTOMER	152.63	152.63	CUSTOMER	152.63	152.63		
	HOURS USE =	30%	26%	44%			DEMAND (kW)			DEMAND (kW)				
	HOURS USE =	27%	25%	48%			On Peak	1.1450	0.0000	On Peak	1.1450	0.0000		
600	HOURS USE =	25%	24%	51%			Maximum	7.1186	7.1186	Maximum	7.1186	7.1186		

ENERGY (kWh)

SURCHARGES

0.07900

0.06475

0.05641

0.01508

0.07495

0.07304

0.06678

0.01508

On Peak

Int Peak

Off Peak

ENERGY (kWh)

SURCHARGES

0.07900 0.07495

0.05641 0.06678 0.01718 0.01718

0.07304

0.06475

On Peak

Int Peak

Off Peak

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 2 SCHEDULE "GT 3B" DISTRICT OF COLUMBIA

MAXIMUM AND ON PEAK DEMAND	INCREASE			
MAXIMUM AND ON PEAK DEMAND	(%)			
200 2,000,000 275,474.77 275,474.77 0.13774 0.13774 275,874.77 0.13794 0.13794 400.00 400.00 3000 3000.000 386,850.97 38,850.97 38,850.97 31228 397,860.97 31745.99 0.13724 0.13248 0.13248 800.00 600.00 400.00 400.00 400.00 518,227.17 518,227.17 518,227.17 0.12956 0.12956 519,027.17 519,027.17 0.12976 0.12976 800.00 800.00 600.00	ER WINTER			
200 2,000,000 275,474.77 275,474.77 0.13774 0.13774 275,874.77 0.13794 0.13794 400.00 400.00 3000 3000.000 386,850.97 38,850.97 38,850.97 31228 397,860.97 31745.99 0.13724 0.13248 0.13248 800.00 600.00 400.00 400.00 400.00 518,227.17 518,227.17 518,227.17 0.12956 0.12956 519,027.17 519,027.17 0.12976 0.12976 800.00 800.00 600.00				
300 3,000,000 548,850.97 396,850.97 0,13228 0,13228 397,450.97 397,450.97 0,12976 0,12976 0,12976 800.00 600.00 518,227.17 518,227.17 0,12956 0,12956 519,027.17 519,027.17 0,12976 0,12976 0,12976 800.00 600 5,000,000 639,603.37 639,603.37 0,12792 0,12792 640,603.37 640,603.37 0,12812 0,12812 1,000.00 1,000.00 600 6,000,000 760,979.57 760,979.57 0,12683 0,12683 762,179.57 762,179.57 0,12703 0,12703 1,200.00 1,200.0	5% 0.15%			
500 \$,000,000 639,603.37 639,603.37 0.12792 0.12792 0.12792 760,979.57 760,979.57 0.12683 0.12683 762,179.57 762,179.57 0.12703 0.12703 0.12812 1,000.00 1,0	5% 0.15%			
600 6,000,000 760,979.57 760,979.57 0.12683 0.12683 762,179.57 762,179.57 0.12703 0.12703 1,200.00 1,2	5% 0.15%			
200 4,000,000 549,815.17 549,815.17 0.13745 0.13745 550,615.17 550,615.17 0.13765 0.13765 800.00 800.00 300 6,000,000 792,567.57 792,567.57 0.13229 0.13229 793,767.57 793,767.57 0.13229 0.13229 1,200.00 1,200.00 1,005,319.97 1,035,319.97 1,035,319.97 1,035,319.97 1,035,319.97 1,035,319.97 1,035,319.97 1,035,319.97 1,026,000 1,200.00 1,276,072.37 0.12761 0.12761 0.12761 0.12801 0.	0.16%			
200	0.16%			
200				
300 6,000,000 792,567,57 792,567,57 0.13209 0.13209 793,767.57 793,767.57 0.13229 0.13229 1,200.00 1,200.00 400 8,000,000 1,278,072.37 1,235,319.97 1,035,319.97 1,035,319.97 1,035,319.97 1,035,319.97 1,278,072.37 0.12941 1,280,072.37 1,280,072.37 0.12801 1,200.00 1,200.00 1,000.00 1,520,824.77 1,520,824	5% 0.15%			
400 8,000,000 1,035,319.97 1,035,319.97 0.12941 0.12941 1,036,919.97 1,036,919.97 0.12961 0.12961 1,600.00 1,600.00 1,078,072.37 1,278,072.37 0.12781 0.12781 1,280,072.37 1,280,072.37 0.12801 0.12801 2,000.00 2,000.00 2,000.00 1,000.00 1,520,824.77 1,520,824.77 0.12674 1,523,224.77 1,523,224.77 0.12694 0.12694 2,400.00 2,400.00 2,400.00 2,000.00 1,500.00 1,500.00 1,500.00 1,188,284.17 1,188,284.17 0.13203 0.13203 1,190,084.17 1,190,084.17 0.13223 0.13223 1,800.00 1,800.00 4,000.00 1,552,412.77 1,552,412.77 0.12937 0.12937 1,554,812.77 1,554,812.77 0.12957 0.12957 2,400.00 2,400.00 1,180,000.00 1,180,000 1,180	5% 0.15%			
500 10,000,000 1,278,072.37 1,278,072.37 0.12781 0.12781 1,280,072.37 1,280,072.37 0.12801 0.12801 2,000.00 2,000.00 1,520,824.77 1,520,824.77 0.12674 0.12674 1,523,224.77 1,523,224.77 0.12694 0.12694 0.12694 0.12694 0.12690 0.126	5% 0.15%			
600 12,000,000 1,520,824.77 1,520,824.77 0.12674 0.12674 1,523,224.77 1,523,224.77 0.12694 0.12694 2,400.00 2,400.00 30,000 KW 200 6,000,000 824,155.57 824,155.57 0.13736 0.13736 825,355.57 825,355.57 0.13756 0.13756 0.13756 1,200.00 1,200.00 400 12,000,000 1,552,412.77 1,552,412.77 0.12937 0.12937 1,554,812.77 1,554,812.77 0.12957 0.12957 2,400.00 2,400.00 500 15,000,000 1,916,541.37 0,12777 0.12937 0.12777 1,919,541.37 0,12957 0.12797 0.12797 3,000.00 600 18,000,000 2,280,669.97 2,280,669.97 0.12670 0.12670 2,284,269.97 0.1364,000.77 0.13200 0.1360.00 400 12,000,000 1,584,000.77 1,584,000.77 0.13200 0.13201 1,500,95.97 1,100,095.97 0.13751 0.13751 1,600.00 1,600.00 300 12,000,000 1,584,000.77 1,584,000.77 0.13200 0.13200 1,586,400.77 0.13220 0.13220 2,400.00 2,400.00 400 16,000,000 2,069,505.57 2,069,505.57 0.12934 0	0.16%			
200 6,000,000 824,155.57 824,155.57 0.13736 0.13736 825,355.57 825,355.57 0.13756 0.13756 1,200.00 1,200.00 300 9,000,000 1,188,284.17 1,188,284.17 0.13203 0.13203 1,190,084.17 1,190,084.17 0.13223 0.13223 1,800.00 1,800.00 1,000,000 1,552,412.77 1,552,412.77 0.12937 0.12937 1,554,812.77 1,554,812.77 0.12957 0.12957 2,400.00 2,400.00 500 15,000,000 1,916,541.37 1,916,541.37 0.12777 0.12777 1,919,541.37 1,919,541.37 0.12797 0.12797 3,000.00 3,000.00 600 18,000,000 2,280,669.97 2,280,669.97 0.12670 0.12670 2,284,269.97 2,284,269.97 0.12690 0.12690 0.12690 3,600.00 3,600.00 500 12,000,000 1,584,000.77 1,584,000.77 0.13200 0.13200 1,586,400.77 1,586,400.77 0.13220 0.13220 2,400.00 2,400.00 500 20,000,000 2,069,505.57 2,069,505.57 0.12934 0.12934 2,072,705.57 2,072,705.57 0.12954 0.12954 3,200.00 3,200.00 500 20,000,000 2,655,010.37 2,555,010.37 0.12775 0.12775 2,559,010.37 2,555,010.37 0.12795 0.12690	6% 0.16%			
200 6,000,000 824,155.57 824,155.57 0.13736 0.13736 825,355.57 825,355.57 0.13756 0.13756 1,200.00 1,200.00 300 9,000,000 1,188,284.17 1,188,284.17 0.13203 0.13203 1,190,084.17 1,190,084.17 0.13223 0.13223 1,800.00 1,800.00 1,000,000 1,552,412.77 1,552,412.77 0.12937 0.12937 1,554,812.77 1,554,812.77 0.12957 0.12957 2,400.00 2,400.00 500 15,000,000 1,916,541.37 1,916,541.37 0.12777 0.12777 1,919,541.37 1,919,541.37 0.12797 0.12997 3,000.00 3,000.00 600 18,000,000 2,280,669.97 2,280,669.97 0.12670 0.12670 2,284,269.97 2,284,269.97 0.12690 0.12690 0.12690 3,600.00 3,600.00 500 12,000,000 1,584,000.77 1,584,000.77 0.13200 0.13200 0.13200 1,586,400.77 1,586,400.77 0.13220 0.13220 2,400.00 2,400.00 400 16,000,000 2,069,505.57 2,069,505.57 0.12934 0.12934 2,072,705.57 2,072,705.57 0.12954 0.12954 3,200.00 3,200.00 500 20,000,000 3,040,515.17 0.12669 0.12669 0.12669 3,045,315.17 0.12689 0.12690 0.12689 4,800.00 4,800.00 600 24,000,000 3,040,515.17 0.12669 0.12669 0.12669 3,045,315.17 0.12689 0.12689 4,800.00 4,800.00 600 24,000,000 3,040,515.17 0.12669 0.12669 0.12669 3,045,315.17 0.12689 0.12689 4,800.00 4,800.00 600 24,000,000 3,040,515.17 0.12669 0.12669 0.12669 3,045,315.17 0.12689 0.12689 4,800.00 4,800.00 600 24,000,000 3,040,515.17 0.12669 0.12669 0.12669 3,045,315.17 0.12689 0.12689 4,800.00 4,800.00 600 24,000,000 3,040,515.17 0.12669 0.12669 0.12669 3,045,315.17 0.12689 0.12689 4,800.00 4,800.00 600 24,000,000 3,040,515.17 0.12669 0.12669 0.12669 3,045,315.17 0.12689 0.12689 4,800.00 4,800.00 600 24,000,000 3,040,515.17 0.12669 0.12669 0.12669 3,045,315.17 0.12689 0.12689 4,800.00 4,800.00 600 600 600 600 600 600 600 600 60				
300 9,000,000 1,188,284.17 1,188,284.17 0.13203 0.13203 1,190,084.17 1,190,084.17 0.13223 0.13223 1,800.00 1,800.00 1,000,000 1,552,412.77 1,552,412.77 0.12937 0.12937 1,554,812.77 1,554,812.77 0.12957 0.12957 2,400.00 2,400.00 500 15,000,000 1,916,541.37 1,916,541.37 0.12777 0.12777 1,919,541.37 1,919,541.37 0.12797 0.12797 3,000.00 3,000.00 600 18,000,000 2,280,669.97 2,280,669.97 0.12670 0.12670 2,284,269.97 2,284,269.97 0.12690 0.	5% 0.15%			
400 12,000,000 1,552,412.77 1,552,412.77 0.12937 0.12937 1,554,812.77 1,554,812.77 0.12957 0.12957 2,400.00 2,400.00 500 15,000,000 1,916,541.37 1,916,541.37 0.12777 0.12777 1,919,541.37 1,919,541.37 0.12797 0.12797 3,000.00 3,000.00 600 18,000,000 2,280,669.97 2,280,669.97 0.12670 0.12670 2,284,269.97 2,284,269.97 0.12690 0.12690 3,600.00 3,600.00 600 18,000,000 1,000,000 1,000,000 1,000,000 1,000,000	5% 0.15%			
500 15,000,000 1,916,541.37 1,916,541.37 0.12777 0.12777 1,919,541.37 1,919,541.37 0.12797 0.12797 3,000.00 3,000.00 600 18,000,000 2,280,669.97 2,280,669.97 0.12670 0.12670 2,284,269.97 2,284,269.97 0.12690 0.12690 3,600.00 3,600.00 600 18,000,000 1,000,000 1,000,000 1,000,000 1,584,000.77 1,584,000.77 0.13200 0.13731 0.13731 1,100,095.97 1,100,095.97 0.13751 0.13751 1,600.00 1,600.00 1,584,000.77 1,584,000.77 0.13200 0.13200 1,586,400.77 0.13220 0.	5% 0.15%			
600 18,000,000 2,280,669.97 2,280,669.97 0.12670 0.12670 2,284,269.97 2,284,269.97 0.12690 0.12690 3,600.00 3,600.00 40,000 KW 200 8,000,000 1,098,495.97 1,098,495.97 0.13731 0.13731 1,100,095.97 1,100,095.97 0.13751 0.13751 1,600.00 1,600.00 300 12,000,000 1,584,000.77 1,584,000.77 0.13200 0.13200 1,586,400.77 1,586,400.77 0.13220 0.13220 2,400.00 2,400.00 400 16,000,000 2,069,505.57 2,069,505.57 0.12934 0.12934 2,072,705.57 2,072,705.57 0.12954 0.12954 3,200.00 3,200.00 500 20,000,000 2,555,010.37 2,555,010.37 0.12775 0.12775 2,559,010.37 2,559,010.37 0.12795 0.12795 4,000.00 4,000.00 600 24,000,000 3,040,515.17 0.12669 0.12669 3,045,315.17 3,045,315.17 0.12689 0.12689 4,800.00 4,800.00 600 24,000,000 500 500 500 500 500 500 500 500	6% 0.16%			
200 8,000,000 1,098,495.97 1,098,495.97 0.13731 0.13731 1,100,095.97 1,100,095.97 0.13751 0.13751 1,600.00 1,600.00 300 12,000,000 1,584,000.77 1,584,000.77 0.13200 0.13200 1,586,400.77 1,586,400.77 0.13220 0.13220 2,400.00 2,400.00 400 16,000,000 2,069,505.57 2,069,505.57 0.12934 0.12934 2,072,705.57 2,072,705.57 0.12954 0.12954 3,200.00 3,200.00 500 20,000,000 2,555,010.37 2,555,010.37 0.12775 0.12775 2,559,010.37 2,559,010.37 0.12795 0.12795 0.12795 4,000.00 4,000.00 600 24,000,000 3,040,515.17 0.12669 0.12669 3,045,315.17 0.12689 0.	0.16%			
200 8,000,000 1,098,495.97 1,098,495.97 0.13731 0.13731 1,100,095.97 1,100,095.97 0.13751 0.13751 1,600.00 1,600.00 300 12,000,000 1,584,000.77 1,584,000.77 0.13200 0.13200 1,586,400.77 1,586,400.77 0.13220 0.13220 2,400.00 2,400.00 400 16,000,000 2,069,505.57 2,069,505.57 0.12934 0.12934 2,072,705.57 2,072,705.57 0.12954 0.12954 3,200.00 3,200.00 500 20,000,000 2,555,010.37 2,555,010.37 0.12775 0.12775 2,559,010.37 2,559,010.37 0.12795 0.12795 0.12795 4,000.00 4,000.00 600 24,000,000 3,040,515.17 0.12669 0.12669 3,045,315.17 0.12689 0.				
300 12,000,000 1,584,000.77 1,584,000.77 0.13200 0.13200 1,586,400.77 1,586,400.77 0.13220 0.13220 2,400.00 2,400.00 400 16,000,000 2,069,505.57 2,069,505.57 0.12934 0.12934 2,072,705.57 2,072,705.57 0.12954 0.12954 3,200.00 3,200.00 500 20,000,000 2,555,010.37 2,555,010.37 0.12775 0.12775 2,559,010.37 2,559,010.37 0.12795 0.12795 4,000.00 4,000.00 600 24,000,000 3,040,515.17 3,040,515.17 0.12669 0.12669 3,045,315.17 0.12689 0.12689 0.12689 4,800.00 4,800.00 600 600 600 600 600 600 600 600 60	5% 0.15%			
400 16,000,000 2,069,505.57 2,069,505.57 0.12934 0.12934 2,072,705.57 2,072,705.57 0.12954 0.12954 3,200.00 3,200.00 500 20,000,000 2,555,010.37 2,555,010.37 0.12775 0.12775 2,559,010.37 2,559,010.37 0.12795 0.12795 4,000.00 4,000.00 600 24,000,000 3,040,515.17 3,040,515.17 0.12669 0.12669 3,045,315.17 0.12689 0.1268	5% 0.15%			
500 20,000,000 2,555,010.37 2,555,010.37 0.12775 0.12775 2,559,010.37 0.12795 0.12795 4,000.00 4,000.00 600 24,000,000 3,040,515.17 3,040,515.17 0.12669 0.12669 3,045,315.17 0.12689 0.12689 0.12689 4,800.00 4,800.00 600 600 600 600 600 600 600 600 60	5% 0.15%			
600 24,000,000 3,040,515.17 3,040,515.17 0.12669 0.12669 3,045,315.17 0.12689 0.12689 0.12689 4,800.00 4,800.00 KWH DISTRIBUTION	0.16%			
ON PK INT OFF PK 200 HOURS USE = 31% 29% 40% SUMMER WINTER SUMMER WIN	0.16%			
ON PK INT OFF PK 200 HOURS USE = 31% 29% 40% SUMMER WINTER SUMMER WIN	\neg			
	7			
The state of the s	₹			
	POS			
400 HOURS USE = 30% 26% 44% DEMAND (kW) DEMAND (kW)				
	36			
	52			
ENERGY (kWh) ENERGY (kWh)				
On Peak 0.10790 0.10790 On Peak 0.10790 0.	90			
Int Peak 0.10790 0.10790 Int Peak 0.10790 0.	10.100			
Off Peak 0.10790 0.10790 Off Peak 0.10790 0.				
SURCHARGES 0.01348				

APPENDIX N: DC PLUG Education Plan and Budget









INTEGRATED COMMUNICATIONS STRATEGY

DC Power Line Undergrounding Education Plan

July 3, 2017

By participating agencies and utilities:









INTRODUCTION

The Mayor's Power Line Undergrounding Task Force ("Task Force") recommended a unique public-private partnership between Potomac Electric Power Company ("Pepco") and the District that would result in a "game changer" to dramatically improve grid resiliency and reliability in the District of Columbia. As storms have increased in frequency and severity, the importance of placing parts of the electric system underground has grown.

On August 16, 2012, the Mayor of the District of Columbia, Vincent C. Gray, issued Executive Order 2012-130, to establish the Task Force. The purpose of the Task Force was to "advise the Mayor on the general causes of storm-related power outages in the District, actions that may be taken to reduce future storm-related power outages, and the undergrounding of power lines." The Task Force pooled the collective resources available in the District of Columbia to produce an analysis of the technical feasibility, infrastructure options and reliability implications of placing new or existing overhead distribution facilities underground in the District of Columbia. The 18-member Task Force — co-chaired by City Administrator Allen Y. Lew and Pepco Holdings Inc. Chairman, President and Chief Executive Officer Joseph M. Rigby — included representatives from the Council of the District of Columbia ("DC Council"), the District of Columbia Public Service Commission ("Commission"), the District of Columbia Office of the People's Counsel ("OPC"), city agencies, utilities, community representatives, experts and other parties.

The Task Force recommended that further placing parts of Pepco's distribution system underground will make important contributions in the system's resiliency – hardening it against major storm events, with the added benefit of further improving overall reliability. Specifically, it chose one of five proposed scenarios for the selective undergrounding of power lines in the District.⁴ Following is the scenario it chose:

Executive Order No. 2012-130, D.C. Register Vol. 59 – No. 33 (August 27, 2012).

Government of the District of Columbia, Executive Office of the Mayor. Mayor's Power Line Undergrounding Task Force Findings and Recommendations: Final Report, at 6 (Oct. 2013) ("Final Report").

Final Report at 8.

⁴ Final Report at 11.

 A multi-year program focused on up to 60 of the most vulnerable overhead distribution lines at an approximate cost of \$1 billion, with an annual limit on expenditures of approximately \$200 million.⁵

This multi-year initiative for "DC PLUG," which stands for **DC** Power **L**ine **Underg**rounding, will be undertaken by the District, through the District Department of Transportation ("DDOT"), and Pepco.

The Task Force concluded that for District of Columbia electric system residents, businesses, and other stakeholders a project of this magnitude will limit the impact storms have on the electric system as it improves the infrastructure. The most obvious benefits are the improved resiliency and enhanced service for all residents, businesses, and stakeholders.

For all of those reasons, the District and Pepco must educate and communicate early and often with residents, businesses, and other stakeholders so that they understand the details and the benefits of the DC PLUG initiative –for those impacted directly as well as indirectly. The Task Force recommended the development and rollout of a comprehensive education and outreach program to explain the DC PLUG initiative and its impacts on District of Columbia residents, businesses, and other stakeholders ("Education Plan").

The District and Pepco, including the DDOT, will update residents, businesses, and stakeholders in the affected wards -3, 4, 5, 7 and 8 - throughout the entirety of the DC PLUG initiative. These updates will touch on all aspects of the work, including the schedule, locations and results.

Final Report at 11.

Final Report at 11.

⁷ Final Report at 68.

This document contains:

- 1. Objectives
- 2. Overview
- 3. Research and Review
- 4. Education Outreach, Materials and Coordination Process
 - **4.1** Community Outreach
 - 4.2 Customer Communications
 - 4.3 Media Relations
 - 4.4 Digital Communications
 - 4.5 Paid Media
 - 4.6 Pepco Customer Service
 - 4.7 Internal Communications
 - 4.8 Thought Leadership
 - 4.9 Project Identity and Logo
 - **4.10** Communications Coordination Process
 - 4.11 Resources
- 5. Messages
- 6. Timeline
- 7. Budget
- 8. Risk Mitigation
- 9. Conclusion
- 10. Appendix



1. Objectives

1. OBJECTIVES

The goal of this Education Plan is to educate and update District of Columbia residential and commercial utility residents, businesses, and other stakeholders on the implementation of the Task Force's DC PLUG initiative. To that end, there are two sets of objectives – first, to educate residents, businesses, and other stakeholders about how the Task Force came to its decision:

- Explain the impact continuing, storm-related power outages have on residents, businesses, and other stakeholders;
- Explain that inaction to respond to the increasing storm frequency and intensity is not a viable option;
- Explain the analysis the Task Force performed to examine existing conditions, technical solutions and financing options, to develop a common understanding of the costs and benefits; and
- Explain the impact of placing power lines underground, including financial (pocketbook) and physical (lifestyle), on residents, businesses, and other stakeholders.

The second set of objectives is specific to the planning and implementation of the DC PLUG initiative:

- Educate residents, businesses, and other stakeholders about DC PLUG initiative planning, including the construction schedule for each ward and coordination with compatible and/or concurrent initiatives, work-effort progress and performance and infrastructure improvement benefits;
- Develop coherent community outreach and public awareness activities to provide timely notice to residents, businesses, and other stakeholders and to collect their feedback, throughout DC PLUG initiative implementation; and
- Present clear and reliable information (with user-friendly language) on resiliency and reliability improvements related to the DC PLUG construction work.

As the DC PLUG initiative progresses, objectives may evolve. The Education Plan applies to business audiences as well as residential audiences.



2. Overview

2. OVERVIEW

Education and communication will be critical to the success of the DC PLUG initiative. With the Mayor's announcement of the Task Force recommendations, efforts began to educate residents, businesses, and other stakeholders on the DC PLUG process, costs and achievable benefits. As the initiative moves through regulatory approval and implementation, those communication efforts will ramp up.

The DC PLUG initiative is committed to transparency in project planning and implementation. Effective communication and education for residents, businesses, and other stakeholders are fundamental components of the DC PLUG initiative. DC PLUG communications will help residents, businesses, and other stakeholders understand the scope and expected impact of the DC PLUG initiative, planned activities for the target areas and the infrastructure improvement process and the multi-year implementation schedule. As with all infrastructure improvements, the impact of construction work on daily activity will be a particularly important communication message for residents, businesses, and other stakeholders.

Development of the Education Plan, outreach and materials will consider resident, business, and other stakeholder needs and issues. The type of information, communication channels, and frequency of outreach, for instance, can be tailored for electric utility residents, businesses and other stakeholders.

Research will help guide all messaging to help ensure it is clear and engaging. In addition, the right messengers must be selected to champion the DC PLUG initiative, develop credibility and meaningfully engage residents, businesses, and other stakeholders. Messengers may include a variety of public faces such as elected officials, Pepco and DDOT representatives, OPC representatives, and Metropolitan Apartment and Office Building Association ("AOBA") representatives. The overall campaign theme and messaging, as well as supporting design and graphics, will be representative of the Task Force's directives while being informed by research, and the DC PLUG initiative will be positioned as a collaborative initiative.



3. Research and Review

3. RESEARCH AND REVIEW

Research and review are critical components of the Education Plan. The Education Plan anticipates existing and additional research will be conducted and used to guide the design, development, and delivery of education and outreach information. Research will help ensure that all messaging is useful and useable, clear and engaging to residents, businesses, and other stakeholders. The research will also help identify messengers that representative consumers determined to be the most credible and effective communicators for the campaign. Periodic review will help guide any changes to or evolution of the Education Plan.

3.1 Campaign Research and Review

- **3.1a** Existing research: Any proprietary research the District may have, as well as Pepco's customer satisfaction and other research will be helpful to inform the Education Plan and messaging framework. This research will also be used to review the effectiveness of the messaging used in this Education Plan.
- **3.1b** Customer panel: Pepco Holdings convenes a panel as a standard business practice. It can also be leveraged to periodically check the effectiveness of DC PLUG materials and messaging.



4. Education Outreach, Materials and Coordination Process

- 4.1 Community Outreach
- 4.2 Residents, Businesses, and Other Stakeholders Communications
- 4.3 Media Relations
- 4.4 Digital Communications
- 4.5 Paid Media
- 4.6 Customer Service
- **4.7** Internal Communications
- 4.8 Thought Leadership
- 4.9 Project Identity and Logo
- **4.10** Communications Coordination Process
- 4.11 Resources

4. COMMUNITY OUTREACH AND EDUCATION MATERIALS

The development of the community outreach and education materials outlined below is primarily focused on mechanisms and approaches that will educate electric residents, businesses, and other stakeholders about the DC PLUG initiative. While information designed to present background, common questions and answers, and processes, progress, and next steps in each phase of project implementation are customary strategies, success stories derived from actual work and improvements will also be used to educate residents, businesses, and other stakeholders. The Education Plan is intended to accommodate and integrate the planning, development and execution of DDOT outreach and education materials to avoid unnecessary redundancy and to leverage resources.

The DC PLUG initiative will benefit from the resources that Pepco will make available through its Corporate Communications team and DDOT's relationships. This full-service unit will bring proven experience in executing successful communication strategies for electric service programs. These resources will help ensure complete alignment of all messaging, quick development of outreach and materials, and coordination with DDOT and other counterparts. In addition, by utilizing existing channels and Pepco in-house resources for photography and other materials, cost efficiencies will be realized. Pepco has engaged a District of Columbia-based, woman-owned agency to manage all education, paid media and media planning contained in this plan.

4.1 Community Outreach

A variety of community outreach and education materials will be imperative in the DC PLUG education initiative. These activities and materials focus both generally on the overall initiative and its District of Columbia-wide impacts and benefits and directly on the affected wards and the diverse resident segments within them. Some materials may also contain information regarding job inquires. The execution of outreach will be a collaborative effort between the DDOT, Pepco, the Commission and OPC's consumer education and outreach divisions. The collaboration allows for synergies and benefits derived from input and participation of these entities and their ability to leverage their respective relationships. DDOT has experience conducting person-to-person community outreach, such as engaging customers, business, and stakeholders at community events and meetings, and will be supported by Pepco's proven model for direct community outreach.

The outreach and materials discussed here represent mechanisms and strategies that will enable the DC PLUG initiative to build communication for specific audiences and information exchange objectives. The intent is to use the best mechanism and strategy to achieve information distribution and education objectives throughout project development and implementation to all residents, businesses, and other stakeholders.

- **4.1a** Community meetings: Throughout project development and implementation, Pepco and DDOT will proactively participate in public assemblies to discuss the DC PLUG initiative, expected reliability improvements, and incremental updates. The two entities will identify planned meetings and coordinate presentation slots to discuss the various projects and get resident, business, and other stakeholder feedback. As necessary, Pepco and DDOT will also convene and host meetings to achieve widespread outreach. Meeting venues will encompass the five target wards, specific feeder improvement neighborhoods, as well as the broader District of Columbia community. Public awareness and education is for direct and indirect residents, businesses, and other stakeholders of the DC PLUG initiative.
- **4.1b** Advisory Neighborhood Commission ("ANC"), community and civic association engagement: Meetings, presentations, briefing letters and information kits will be used to directly educate the impacted Advisory Neighborhood Commissions and community and civic associations. The District and Pepco will partner with these organizations to organize educational events.
- **4.1c** Community-based organizations and special population advocacy group coordination: The District and Pepco will partner with community-based organizations and associations, including social services agencies, senior citizen support, special interest groups, faith-based organizations and non-English speaking advocacy groups to explain the DC PLUG initiative and leverage these organizations' outreach channels. District of Columbia agencies, OPC and the PSC's Office of Customer Services will also be critical resources for accessing special populations. Outreach will include forums that reach low-income recipients of "Residential Aid Discounts" to inform these customers that they will be exempt from the Underground Project Charge and the DDOT Underground Electric Company Infrastructure Improvement Charge. Additionally, business customers will be reached through membership associations such as AOBA.
- **4.1d** Community outreach coordination: Local community representatives with experience and credibility will coordinate and conduct meetings in areas affected

by the initiative. They will use materials created specifically for DC PLUG outreach.

- **4.1e** Community outreach stations: The DC PLUG initiative will be touted at outreach stations during targeted periods, providing residents, businesses, and other stakeholders the opportunity to go to specified locations to get current updates on DC PLUG activities. Staff will be appropriately trained to respond to stakeholder inquiries. The objective is to give residents convenient access to the Pepco and DDOT team. Residents, businesses, and other stakeholders can speak with representatives and receive educational materials about the DC PLUG projects for the targeted neighborhoods. We will explore the use of electric vehicles from Pepco's fleet as innovative, mobile, and cost-effective pop-up centers, positioned in the community to allow for easy access by residents.
- **4.1f** Special events: Making information available and being present where residents, businesses, and other stakeholders gather will help achieve far-reaching public awareness. In addition to the District of Columbia's array of neighborhood festivals throughout the summer, events hosted by community libraries and local schools and universities can be prime forums to extend outreach. DC PLUG will consider strategies such as staffing a booth to promote the program, distribute information and answer questions.
- **4.1g** Community groups will be educated on the DC PLUG projects within their various wards and will use community outreach vehicles to educate impacted residents, businesses, and other stakeholders.
- **4.1h** Government official and regulator meetings and conference calls: This outreach will begin before construction commences and will continue consistently throughout the program. This outreach will include quarterly conference calls with government officials and agency staff.

4.2 Customer Communications

A variety of residents, businesses, and other stakeholder communications materials will be used to reach direct and indirect beneficiaries of the DC PLUG initiative. Outreach and materials will be targeted to the information needs of residents, businesses, and other stakeholders. Research will help determine

which channels will achieve effective outreach and are the most engaging to the various stakeholders.

- **4.2a** Information kit: The DC PLUG initiative will maintain publicly accessible information on the latest and most current project planning and implementation activities. Fact sheets, frequently asked questions and answers, press releases and other materials identified as communication tools will be organized into information kits that can be distributed to residents, businesses, and other stakeholders during community outreach events, posted to websites for easy access, and converted, as necessary, for media briefings.
- **4.2b** Fact sheets: The DC PLUG initiative will use succinct fact sheets to describe the "what" and "why" (DC PLUG initiative scope and rationale); "how" (Pepco/DDOT roles and responsibilities); "when" (schedule for the multi-year program); and "where" (target wards) information for residents, businesses, and other stakeholders. In addition to explaining the initiative, fact sheets can also highlight project work and results (impact for direct and indirect beneficiaries). Fact sheets will be translated into Spanish and, based on demand, can be replicated for other languages through District translation resources.
- **4.2c** Door hangers: Generally, residents immediately notice door hangers and recognize that the conveyed information requires special attention. While door hangers can be used to notify residents, businesses, and other stakeholders about work being done in the area, door hangers are particularly effective in announcing schedules, changes, and key events.
- **4.2d** Meeting posters and fliers: DC PLUG project work will be featured as posters and fliers at community meetings to educate residents, businesses, and other stakeholders.
- **4.2e** Talking points: To achieve information consistency and reliability, talking points will be developed to guide customer service representatives, Speakers' Bureau presenters, District and Pepco spokespersons, and field crews. The preparedness of these "ambassadors" is essential to give stakeholders confidence in DC PLUG information. Throughout project planning and implementation talking points will be revised to remain current and relevant to residents, businesses, and other stakeholders.
- **4.2f** Pepco bill inserts and customer newsletter: Features in the Pepco customer newsletter LINES and, if feasible, bill inserts in affected areas each month will provide regular updates on the DC PLUG project efforts and results. If bill inserts

are provided, those customers who participate in eBill will receive electronic bill inserts.

- **4.2g** District Agency and DC Council newsletters The DC PLUG initiative will leverage organization newsletters and DC Council members' constituent newsletters to help provide updates and information regarding the projects within their communities.
- **4.2h** Worksite signs: "DC PLUG Work in Progress" signs will quickly identify project worksites for pedestrians and drivers. These signs will not only demarcate the current work areas but also convey the need for extra safety when approaching worksites.

4.3 Media Relations

As the DC PLUG initiative evolves, this Education Plan will evolve to include new ideas around media relations and thought leadership.

- **4.3a** News release program: A joint District-Pepco news release will announce the DC PLUG initiative kickoff followed by frequent updates on ongoing projects, project activities and results. In addition to frequently scheduled releases, on an ongoing basis, releases will highlight specific projects, results and dedicated crew members to ensure information continually stays in front of target audiences.
- **4.3b** News conferences: For major announcements (program kickoff, completion of a significant project or outstanding results, for example), the communications teams will coordinate joint press conferences to highlight key areas of progress.
- **4.3c** Media kits: District and Pepco communications teams will develop printed and electronic media kits that include fact sheets that feature information on progress to date and project-specific data, bios on key leaders and photos of projects for ease of use by the media.
- **4.3d** Media interviews: Prepare District and Pepco leadership and potentially crew members to effectively answer questions from media and coordinate interviews with print and broadcast reporters.
- **4.3e** Reporter ride-alongs: When appropriate, plan for local reporters to ride along with field crews doing DC PLUG project work so they can report firsthand on the complexity of the work and the dedication of the crews.

4.3f Editorial board meetings and desk-side briefings: Coordinate and prepare leadership for editorial and briefing meetings with editorial staff of key large and neighborhood print outlets. These meetings give leaders the opportunity to explain in detail the DC PLUG initiative, specific projects and results, as well as set the expectation for the work to come and the expected timeline.

4.4 Digital Communications

The District's and Pepco's websites and social media channels will be leveraged to spread the word to residents, businesses, and other stakeholders about the initiative and allow them to engage in active communication about it.

- **4.4a** Social media: Regularly post updates on Twitter and Facebook about the DC PLUG project work and initiative benefits and results. In addition, Pepco and DDOT will engage residents, businesses, and other stakeholders in ongoing conversations about the work and answer any questions they might have.
- **4.4b** Microsite: A branded microsite can be developed that would provide residents, business and other stakeholders information at their fingertips about the DC PLUG initiative through weekly updates. It would seamlessly link to the District and Pepco websites, helping to increase education.
- **4.4c** Website: A DC PLUG web page will be created as part of Pepco's website to highlight project work and phases of the initiative, its benefits and its results. It will link to the DC PLUG microsite.
- **4.4d** Photography: Capture images which will be used to enhance outreach and materials. Photography will help put the project into perspective for residents, businesses, and other stakeholders, and help educate them through imagery.
- **4.4e** Videos: Create videos for use on Channel 16, websites, and social media capturing project activities, community meetings and special events. DDOT will leverage resources, including the Office of Cable Television ("OTC") and Channel 16.
- **4.4f** DC Council Websites: DC Council members' constituent newsletters and websites can be used as a means to house information and provide updates concerning projects within their respective communities. Those sites also can link to the DC PLUG microsite.

4.5 Paid media

Paid media may be used to help educate residents, businesses, and other stakeholders based on available budget. All paid media would reflect the collaborative nature of the DC PLUG initiative, the work being done for the community and the direct and indirect benefits of the initiative for all residents, businesses, and other stakeholders. Paid media would be tested to help ensure stakeholder education. The same District of Columbia-based, woman-owned agency managing communications outreach and materials will manage paid media.

Outreach and materials include:

- **4.5a** Transit: DC PLUG project work to be featured as dioramas in Metro rail stations and Metro bus shelters showing the work being done and the benefits (direct and indirect) residents, businesses, and other stakeholders can expect. Digital ads in transit stations and bus stops could be included.
- **4.5b** Newspaper inserts: Free-standing inserts in District of Columbia newspapers and mailed to homes could be used, translated for Spanishlanguage media when appropriate.
- **4.5c** Paid media: Digital, print, and radio should be considered for community outreach and education.
- **4.5d** Strategic media planning: A strategic media planner will purchase paid media to ensure it reaches key audiences and that the most cost-effective rates are negotiated. Pepco has engaged with a District of Columbia-based, womanowned agency to manage all media planning and buying. A contingency media budget has been included in the event that one is needed for issues that develop throughout the year.

4.6 Pepco Customer Service

In addition to all of the community outreach around the program, Pepco will leverage customer service outreach and materials to help ensure residents and businesses reaching out to Pepco will receive helpful, accurate and timely information.

4.6a Dedicated DC PLUG phone number: In addition to customer care centers for general inquiries, a phone number and voice messaging system will be

created to provide residents, businesses, and other stakeholders with the opportunity to have their detailed and specific questions, which may require additional research, addressed by the DC PLUG initiative team. The voice messaging system will be checked daily, and all calls will be returned by Pepco representatives within 48 hours.

- **4.6b** Dedicated DC PLUG email address: An email address will be created to provide residents, businesses, and other stakeholders with the opportunity to email their questions to DC PLUG representatives. All emails will be checked daily, and all responses will be provided by Pepco representatives within 48 hours.
- **4.6c** Customer service training: District call center (311) as well as OPC, Pepco and Commission's customer service representatives will be trained to help ensure they are able to effectively address customer inquiries about the DC PLUG initiative. In addition, representatives will receive relevant talking points as highlighted in the communications section of this document.

4.7 Internal Communications

Some of the greatest champions for the DC PLUG will be those who are closest to it – District and Pepco employees. Materials will be developed to educate employees so they understand and can effectively communicate about the benefits of the DC PLUG initiative, fully engaging our colleagues and energizing the diverse, local communities where we live and work.

- **4.7a** Regular updates: Post regular updates in internal publications and intranet resources for the District and at Pepco as well as about the DC PLUG efforts and results.
- **4.7b** Educational materials: Continue to develop and distribute educational materials on DC PLUG work to employees such as internal briefing sheets.
- **4.7c** Face-to-face communications: Engage in face-to-face communications with employees, leveraging executives, subject matter experts, managers, supervisors, communications staff and other resources such as change networks.

4.8 Thought Leadership

As Pepco and the District look to position themselves as vanguards for their unique public-private partnership and for the success stories expected to come out of it, they will seek opportunities to tell the many facets of their story, including:

- **4.8a** Strategic partnerships: Pepco and DDOT will look into partnerships with organizations that will help advance the DC PLUG initiative.
- **4.8b** Speaking opportunities: Pepco and DDOT will place District officials and members of the Pepco leadership team as speakers at events or developing events of their own.

4.9 Project Identity and Logo

The District expressed an interest early in the process for the project to have its own identity. That identity would help residents, businesses, and stakeholders make the important connection between the different components of and entities involved in the DC PLUG initiative.

- **4.9a** Project identity: The objective was to develop a simple identity and tagline that residents, businesses, and other stakeholders can remember that also clearly identifies what the initiative is designed to deliver. The proposed identity—"DC PLUG"—is clean and clear, and meets these objectives. The tagline will enhance stakeholders' understanding of the identity. This item is included in Appendix 10.10 to the Education Plan.
- **4.9b** Logo: A simple logo and tagline have been developed for the "DC PLUG" identity as part of the creative development of the education outreach and materials. This item is included in Appendix 10.10 to the Education Plan.

A trademark search has been conducted to ensure the identity is not being used by another party, and the name has been secured.

4.9c Stipulations governing the logo: Pepco and DDOT will include the tagline "Making your electric system more resilient" with the DC PLUG logo and will also include the full name "District of Columbia Power Line Undergrounding." Where the logo and the tagline appear on materials that contained or in some way linked to other explanatory text, including but not limited to press releases and other written materials, use of the logo and tagline alone is sufficient. However, where the logo and tagline are stand-alone components, Pepco and DDOT agree to include the full name of the initiative where space permits.

4.10 Communications Coordination Process

A clear process for high-level coordination of messaging and materials is imperative to keep the flow and rhythm of production on pace with the initiative and aligned with the communication needs of residents, businesses, and stakeholders. The process will also ensure communications outreach and materials are clear and consistent, helping to eliminate confusion about the DC PLUG initiative. Once parties have offered feedback and the messaging approaches in this Education Plan are final, the following process will be implemented to ensure a coordinated approach to all engagement outreach and materials.

- **4.10a** Undergrounding Project Consumer Education Task Force ("UPCE Committee"): In Order Nos. 17697 and 17770, the Commission established the Undergrounding Project Consumer Education Task Force in lieu of the Communications Coordination Committee and the Community Action Group that DDOT and Pepco had originally proposed in the approved Education Plan. The Mayor established the UPCE Committee on June 11, 2015 (Mayor's Order 2015-162), including representatives from the City Administrator, Office of the Deputy Mayor for Planning and Economic Development, DDOT, Pepco, the Commission, OPC, the Apartment and Office Building Association of Metropolitan Washington, D.C. Climate Action, ANC Commissioners from Wards 3, 4, 5, 7, 8, and additional District Government representatives as deemed appropriate by the Mayor. The UPCE Committee is an advisory group that was formed to:
 - 1) monitor the implementation of the consumer education and outreach provisions of the DC PLUG initiative Education Plan, to help ensure that the communication and engagement needs of the power line undergrounding initiative are achieved;
 - advise the DC PLUG project team on the structure, content, and distribution of materials designed to educate and inform the public on DC PLUG project planning, implementation timelines, potential consumer impacts and work progress;
 - 3) contribute guidance on the proper development of a community input management system that includes transparent information on how to submit community comments, questions, recommendations, and complaints and procedures for internally processing, tracking, and following up on input received through the system;

- 4) recommend improvements to the undergrounding process based on consumer feedback and complaints filed with the UPCE Committee, the DC PLUG project team, or UPCE Committee entities; and
- 5) transmit to the Commission reports, as required by Section VI.C of the Mayor's Order, on education and engagement performance issues identified by the UPCE Committee, consumer communication improvement recommendations from the UPCE Committee, and UPCE Committee meeting minutes.
- **4.10b** Communications coordination process: Once the Education Plan has been developed and is considered final, development of outreach and materials will begin in order to remain on track for early outreach to stakeholders. As mentioned above, a focused yet swift, high-level coordination of communications is critical to remaining on schedule. The proposed coordination process is as follows:
 - 1. Messaging and materials are developed for the weeks ahead based on the approved Education Plan.
 - 2. All members of the committee gather to share messaging and materials.
 - 3. Alignment of messaging and materials is coordinated through the committee members for final material development.

4.11 Resources

Because this Education Plan will be a focused effort to engage and educate residents, businesses, and stakeholders, it will require dedicated staff who are able to focus on the Education Plan and its components.

- **4.11a** Creative and media buying agency resources: As previously discussed, Pepco has engaged with a District of Columbia-based, woman-owned creative agency to manage all creative strategy and execution as well as all strategic media planning and buying.
- **4.11b** Community relations coordinator: A full-time, contract resource retained by Pepco to manage all of the community communications, outreach, and materials listed in this Education Plan. This resource will be responsible for attending community meetings in support of DDOT's and Pepco's community outreach activities, coordinating outreach activities and materials and managing overall communications with residents, businesses, and stakeholders throughout the life

of the DC PLUG initiative to ensure consistency. The community relations coordinator will be a resident of the District of Columbia.

5. Messages

5. MESSAGES

Specific messages will be used for outreach and materials listed in the section above and will be framed in such a way as to be agreeable to residents, businesses, and stakeholders based on research. This section of the document will be updated regularly as messages or resident, business, and stakeholder needs change.

The key messages for this project are as follows:

- DC PLUG will substantially improve resiliency of the electrical system hardening it against increasingly severe storms. Added benefits will include reduced outages and faster restoration.
- Over the life of DC PLUG, a number of direct employment opportunities will be created for the existing workforce of Pepco and DDOT, and additional positions may be created. These opportunities will span across all levels of engineers to design the projects, skilled laborers to construct the conduit systems and journey workers to install the electrical equipment. There will be additional indirect employment created along the regional supply chain from various outside entities that provide materials and services to Pepco, the District of Columbia government and their respective contractors. There will also be additional indirect jobs created when the taxes generated from this work stimulate the growth of District businesses that respond to the supply and demand created by large-scale construction. And of course electric customers throughout the District will benefit from increased resilience and reliance of the electric distribution system, thereby promoting economic productivity generally. Overall, the project brings significant positive economic impacts, with a commitment to using diverse suppliers, helping us energize the diverse, local communities where we live and work.
- Pepco will coordinate its work, where possible, with other construction projects in the District of Columbia to reduce costs, minimize inconvenience, and make the work occur more efficiently.

Additional specific messaging will be developed to serve as a basis for testing. That message development will be a collaborative effort between the District and Pepco and will focus on the following areas:

- General information such as the costs to all consumers and how this will appear on their bill, and explanation of basic terminology (i.e., feeders)
- Project benefits including improved resiliency against storms and day to day

- Community benefits such as the economic benefits of quicker storm restoration and new jobs
- Reduced restoration times will bring substantial health, safety and welfare component benefits
- Inconveniences will be temporary, but the benefits will be long-lasting
- Primary selection criteria will develop a ranking of all feeders so that the feeders with the greatest overall benefits are undergrounded first
- A secondary evaluation is used to determine the sequence of undergrounding the feeders selected by the primary selection process

As the DC PLUG initiative progresses, messages will evolve.



6. Timeline

6. TIMELINE

Below is a high-level timeline for the Education Plan to ensure the project stays on track. This will be adjusted as needed as the DC PLUG initiative matures.



- DC PLUG logo
- Press briefing and release
- Government official, commission outreach
- Development of messaging and education materials begins
- Brief agency counterparts
- Communicate operations plans with other utilities

- Community outreach begins
- Community pop ups begin
- Social media and website postings
- Media relations work with media outlets to help them prepare for stories
- Government official, commission outreach

- Social media and website postings
- Government official, commission meetings, calls and other outreach
- Video development
- Paid media begins

- Press releases
- Social media and website postings
- Government official, commission meetings, calls and other ongoing outreach
- Paid media
- Bill insert letters as work begins in neighborhoods
- Additional video development
- Educate customers about success stories with the project

7. Budget

7. BUDGET

This Education Plan includes a detailed annual budget for the outreach and materials listed in the preceding pages. Materials such as worksite signs may not have to be reprinted each year.

Note that in addition to the outreach and materials, the budget includes a dedicated Pepco community relations coordinator, as discussed in the Resources section (4.11) of this Education Plan.

The budget combines Pepco and DDOT outreach and materials, and if OPC or other agencies agree that it is beneficial to coordinate all outreach and education materials for the DC PLUG initiative through one entity, the budget will be updated to include their outreach and materials as well.

The budget can also be updated as stakeholder needs change.



8. Risk Mitigation

8. RISK MITIGATION

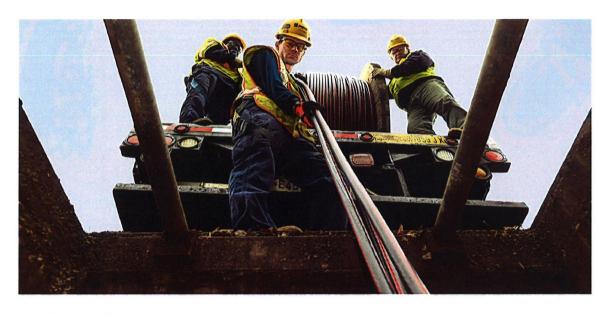
In a project of this magnitude, it is important to anticipate and prepare for any risks associated with the initiative.

This section may be updated over time as risks are identified or effectively mitigated.

POTENTIAL RISK	RISK MITIGATION
Residents, businesses, and stakeholders are outraged by prolonged traffic and parking disruption (permits that restrict parking excessively)	Explain at outset what can be expected and measures to mitigate the impact (such as doing work on only one feeder in an area at a time; work is coordinated with DDOT to avoid repeated disruptions)
Residents, businesses, and stakeholders don't understand why poles and wires are left	Explain at outset that only primary lines will be undergrounded; secondary and service lines as well as communications lines will remain overhead
Microsite is inoperable or inaccurate	Ensure microsite is appropriately tested prior to launch and that all content is reviewed through the Coordination Committee
Public outcry in areas in the District of Columbia that are not part of the DC PLUG initiative	Community outreach to and prepared information for areas not included in the DC PLUG initiative regarding the benefits of the initiative to those residents, businesses and other stakeholders as well
DC PLUG initiative comes in over budget	Regular updates on targets
DC PLUG initiative schedule slips	Regular updates on targets

Residents, businesses, and stakeholders don't think they are seeing the benefits they were promised	Explain how reliability statistics work and that although this will improve day-to-day, critical benefits will be experienced during and after severe storms
Messaging between different entities is inconsistent	Coordination Committee reviews all messaging to ensure consistency
Residents, businesses, and stakeholders are outraged about impact to public parking space between the curb and their front door	Explain at outset what can be expected and measures to mitigate the impact
Vegetation impact	Explain at outset what can be expected and measures to be taken to mitigate the impact (e.g., arborists will be used to help ensure proper vegetation management)
Business owner litigation for loss of revenue or preventing access	Work closely with potentially impacted businesses and communicate initiative activities to ensure minimal business impacts

Additionally, both DDOT and Pepco have well-established crisis communications plans for current operations. Pepco and DDOT will create a briefing specific to the DC PLUG initiative so that Pepco and DDOT crisis communications and onsite field personnel understand the initiative and are able to incorporate it into normal crisis communications operating procedures and have clear instructions about what to do in case of a crisis or media at the job site. Moreover, the public will be informed of the applicability of Pepco's and DDOT's current respective crisis communications plans/protocols.



9. Conclusion

9. CONCLUSION

The collaborative DC PLUG initiative will add grid resiliency to the District of Columbia's electricity infrastructure against the frequent and severe storms of the recent past.

Pepco's and the District's collective goal is to communicate to all residents, businesses, and stakeholders that the DC PLUG initiative will improve the infrastructure, limit the impact storms have on the electric system and stimulate economic growth through job creation. This Education Plan achieves that goal.

Pepco and the District will communicate early and often with residents, businesses, and stakeholders about all aspects of the work, including the schedule, locations and results so they understand the details and the benefits of this Education Plan and – equally as important to the plan's success – support it.



10. Appendix

Included in the appendix are several files relevant to the development of materials for this Education Plan.

10.1 Filing Excerpts

10.2 ANCs and Civic Associations Affected

10.3 Budget

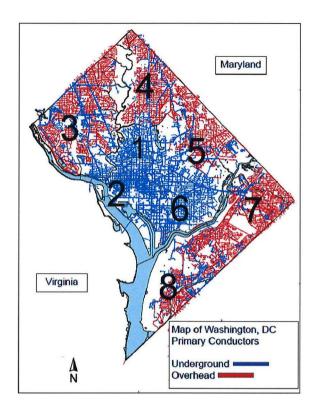
10.4 Logo and Tagline

10.1 EXCERPTS: MAYOR'S POWER LINE UNDERGROUND TASK FORCE FINDINGS AND RECOMMENDATIONS REPORT

Description of Existing Facilities

The existing electric distribution system within the District of Columbia contains a mix of overhead and underground facilities. The red portions found in the map below represent the overhead power lines whereas the blue portions represent the underground power lines. It is also important to note that a significant portion of the electric grid is already constructed underground. For example some key facts are as follow:

- 4.070 miles of distribution lines
 - o 1,430 miles of overhead lines
 - o 2,640 miles of underground lines
- 102,000 citizens connected to overhead lines
- 155,000 citizens connected to underground lines
- 40,000 citizens supplied by underground lines are attached to lines that also contain some portion of overhead lines
- Majority of high voltage lines that supply the substations are already constructed underground

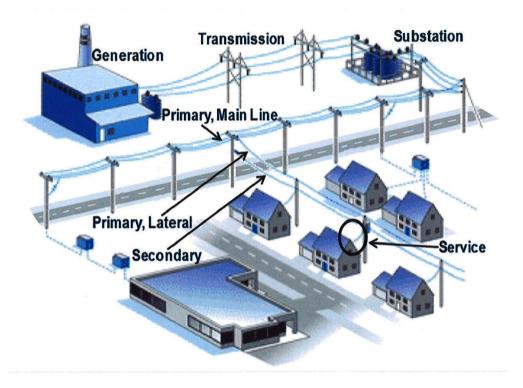


System Configuration

System design typically consists of distribution circuits having multiple interconnections with other circuits through the use of switches or other automated devices, which can be remotely controlled. This design provides the ability to transfer or move customers from one circuit to another without interruption of service to the customers to allow work to be performed on lines. In addition this design also helps assure that fewer customers on the system will experience a sustained service interruption in the case of a problem on the system and faster restoration when an outage does occur, thus, increasing overall system reliability.

The typical electric system consists of several sections that are used to deliver various levels of electric power to different portions of the system. Each section is designed to operate at a voltage level required to provide safe and efficient operation of the electric system. The figure below provides an overview of the portions of the electric system. The areas of the electric system that the Task Force is focused on are the distribution lines that originate at the substations across the District. These lines consist of the main line which extends from the substation to the residential or commercial communities. From the main line are lateral connections that are extended off of the main line and provide power to

the local transformers that provide service to the customers. The transformers reduce the level of voltage to the lower voltage services that are connected directly to each customer. These connections are made by extending secondary cables from the transformer to the individual service cables that are connected to each customer's internal electric service equipment.



Overview of Portions of Electric System

UNDERGROUNDING OPTIONS

For the District of Columbia, there are fundamentally five different options for undertaking the process of undergrounding power lines. These five options are presented below:

- Scenario 1: Underground the overhead three phase primary mainlines retaining existing overhead transformers, secondary and service poles and overhead laterals.
- Scenario 2: Underground the primary laterals including secondary and services. Replace overhead pole mounted transformers with padmount transformers.

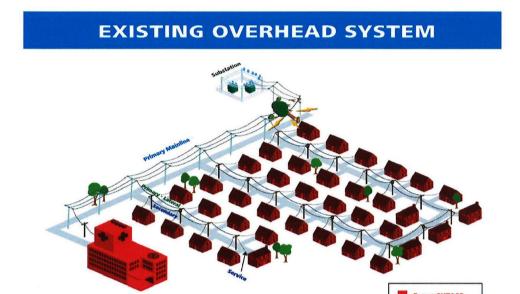
- Scenario 3: Underground primary mainline and laterals. Replace overhead pole mounted transformers with padmount transformers. Leave existing overhead secondary and services.
- Scenario 4: Underground all primary mainline and laterals, transformers, secondary, and services up to the service delivery point.
- Scenario 5: Underground the primary laterals, retaining existing overhead secondary and services. Replace overhead pole mounted transformers with padmount transformers.

The Task Force recommends proceeding with Scenario 3. In this scenario, the primary mainline and laterals will be undergrounded. In addition, the overhead primary wire and equipment as well as the pole mounted transformers will be removed from the poles. New transformers will be placed on the ground and will be supplied from the underground lines. The existing overhead secondary and service lines will be left in place. This will be the general design to be applied to the vast majority of feeders. In isolated cases, the exact design may vary somewhat depending on conditions on the ground, coordination with other utility or road projects and economic development activities. In these instances, the precise design would be determined on a case-by-case basis.

Scenario 3 is recommended because it will result in the greatest benefits to costs compared with the other four options. The cost for Scenario 3 would be \$3.0 billion to underground all primary lines and transformers in the District that are not already underground. The benefits would be very significant. Of the outages found on overhead power lines, the Scenario 3 option is anticipated to result in a 97% reduction in customer frequency of outages for those customers supplied by the overhead lines. Of the outages found throughout the system, Scenario 3 is anticipated to result in a 56% reduction in the total number of customer frequency of outages for all customers across the entire City including both the overhead and underground supplied customers.

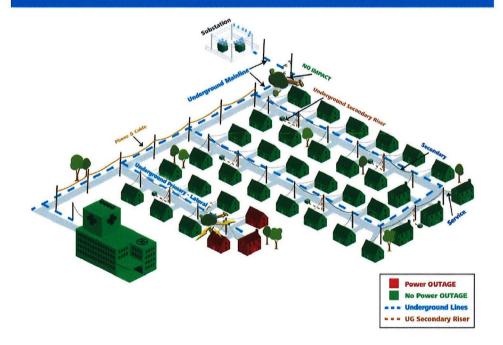
The benefits expected to be obtained with this method of undergrounding are depicted in the following renderings of the number of customers that would be impacted when an outage occurs. In the current situation when an outage does occur then all customers on the line will lose power and must wait until repairs can be made. Once the lines are placed underground only the few customers connected to the secondary lines, where the damage occurs, are out of power. This is a significant reduction in the total number of customers out of service and allows Pepco to respond faster to make repairs to the individual customers. In addition to the improved reliability there will be fewer lines and equipment

remaining on the poles and thereby reducing the visual impact from the overhead lines.



PROPOSED UNDERGROUND PLAN

No Power OUTAGE



10.2 ANCs AND CIVIC ASSOCIATIONS AFFECTED

The following ANCs will be impacted by the undergrounding project by construction anticipated to take place in their wards:

Ward 3

ANC 3B, ANC 3C, ANC 3D, ANC 3E, ANC 3F, ANC 3G

Ward 4

ANC 4A, ANC 4B, ANC 4C, ANC 4D

Ward 5

ANC 5A, ANC 5B, ANC 5C, ANC 5D, ANC 5E

Ward 7

ANC 7B, ANC 7C, ANC 7D, ANC 7E, ANC 7F

Ward 8

ANC 8A, ANC 8B, ANC 8C, ANC 8D, ANC 8E

Associations within the Federation of Civic Associations that will be affected by the undergrounding project include:

16th Street Neighborhood Association American University Park Citizens Association Association of Oldest Inhabitants **Bates Street Civic Association** Benning Ridge Civic Association Bloomingdale Civic Association **Brentwood Community Civic Association Brightwood Community Civic Association** Brookland Neighborhood Civic Association **Burleith Citizens Association Burville Civic Association** Cardozo-Shaw Neighborhood Association Central Northeast Civic Association Chevy Chase Citizens Association Cleveland Park Citizens Association Cloisters Homeowners Association **Concerned Neighbors Coalition** Congress Heights Community Association Crestwood Neighborhood League **Deanwood Citizens Association**

Eastland Gardens Civic Association

Edgewood Civic Association

Fairlawn Citizens Association

Forest Hills Citizens Association

Forest Hills Citizens Association

Fort Lincoln Civic Association

Fort Stanton Civic Association

Foxhall Community Citizens Association

Friends of Kingman Park

Friendship-Tenleytown Citizens Association

Georgetown Residents Alliance

Glover Park Citizens Association

Hillandale Homeowners Association

Hillcrest Community Civic Association

Lamond-Riggs Citizens Association

Marshall Heights Civic Association

Michigan Park Citizens Association

Mount Olivet Heights Citizens Association

North Michigan Park Civic Association

North Portal Estates Civic League

Northeast Boundary Civic Association

Palisades Citizens Association

Penn-Branch Citizen/Civic Association

Pleasant Hills Community & Civic Association

Public Interest Civic Association

Queens Chapel Civic Association

Rock Creek East/Takoma Civic Association

Shepherd Park Citizens Association

Sixteenth Street Heights Citizens Association

South Manor Neighborhood Association

Spring Valley Court Citizens Association

Spring Valley-Wesley Heights Citizens Association

Takoma Park Citizens Association

Woodley Park Community Association

Woodridge Civic Association

10.3 DETAILED PROPOSED BUDGET

(See attached)

DC DUG

Making your electric system more resilient.

DC PLUG	Education Pla	n Budget

	OUTREACH AND MATERIALS Research	DESCRIPTION	AUDIENCE	PEPCO COSTS	DDOT COSTS	NOTES
	Customer panel SUBTOTAL	Ongoing feedback	Customers	\$0.00 \$0.00	\$0.00 \$0.00	No cost impact since this is an ongoing business practice of Pepco
	Community Outrooph		The second second	March Charles Stranger		
	Community Outreach Community information kits	Collection of materials developed as part of this plan	Customers, Elected officials	20.00	20.00	Utilize materials developed as part of Customer Education- Fact Sheets, Newsletter, Press Release
	- Write - Print			\$0.00 \$0.00	\$0.00 \$0.00	Captured in Customer Education below Captured in Customer Education below
		Two meetings per phase: 1. Project introduction		\$0.00	\$0.00	Local community relations vendors (per DDOT and City Administrator), 3 scheduled
	Community meetings	Kickoff- what to expect Periodic progress	Customers	\$22,500.00	\$260,000.00	meetings per year plus attendance at other organizations' community meetings
		o. I critatio prograss				organizations community mounting
	SUBTOTAL			\$22,500.00	\$260,000.00	
	Education	THE REPORT OF THE PARTY OF THE	\$4,42,1444, 1986 B			
	Door hangers	Pre-work	Customers			Assumes 1 for each customer; one version for all wards, 2 sided, 2 color for the 5 wards
	- Write/ design	I TO WORK	Gustornors	\$3,000.00	\$0.00	Wards
	- Spanish translation			\$1,000.00	\$0.00	Assumes 10% of population
	- Print			\$80,000.00	\$0.00	
		Overview of work in each phase				
	Fact sheets	of the project	All stakeholders			10 versions, customizable per ward
	- Write/ design			\$25,000.00	\$0.00	Assumes 10% of population asserting to
	- Spanish translation			\$11,000.00	\$0.00	Assumes 10% of population according to research statistics
	- Print			\$40,000.00	\$0.00	
	Community meeting and special	May include, but not limited to, maps of affected areas, general information and benefits and status of work	Customore			9 pagetors par ward 40v50 inches
	event posters - Design	status of work	Customers	\$20,000.00	\$0.00	8 posters per ward, 40x50 inches
	- Spanish translation			\$5,000.00	\$0.00	Assumes 10% of population
	- Print			\$40,000.00	\$0.00	
	Fliers					
	- Design			\$18,000.00	\$0.00	
	- Spanish translation			\$12,000.00	\$0.00	Assumes 10% of population
	- Print			\$25,000.00	\$0.00	
	Bill inserts					
	- LINES	Existing newsletter bill insert	Customers			2-3 articles per year
	- Writing/design			\$0.00	\$0.00	Internal
	- Print			\$0.00	\$0.00	Existing channel
	- Mailing - Topical insert	Custom bill insert discussing direct and indirect benefits of DC PLUG, including reliability and resiliency	Customers	\$0.00	\$0.00	Existing channel Assumes one insert per customer as work in area occurs
	- Design	•		\$8,750.00	\$0.00	
	- Print			\$2,528.00	\$0.00	2 panel, 4 color, 250,000
	- Mailing			\$0.00	\$0.00	Existing channel
	Worksite signs	One sign per crew identifying where work is occurring	All stakeholders			1 version
	- Design	Where work is occurring	All stakeholders	\$3,000.00	\$0.00	1 Version
	- Production			\$8,000.00	\$0.00	10 signs, \$800 per sign
	*Microsite	Microsite to provide customers information at their fingertips about DC PLUG and projects in their neighborhoods.	All stakeholders			
	- Design and development			\$17,250.00	\$0.00	One-time cost
	Photography	Captures images to be used in outreach and materials	All	\$0.00	\$0.00	Existing channels
	Videos	Depicts work in progress	All	\$30,000.00	\$7,000.00	3 videos
		Custom illustrations of select project details such as a view of the underground area, placement of lines, etc. Used for bill inserts, videos, microsite, fliers, posters,				
	Illustrations	etc.	All stakeholders			Assumes 3 illustrations
	- Design			\$12,000.00	\$0.00	
	SUBTOTAL			\$361,528.00	\$7,000.00	
	Paid Media Transit	Metro stations/buses	Customers	040.500.00	20.00	Coordination, price structure, proposed scope and budget through WMATA. Single campaign. Includes installation and removal fee and printing for two types of PSA display spaces. Duration TBD with WMATA.
In a	- Design - Print			\$12,500.00 \$5,000.00	\$0.00 \$0.00	
					18 - 2500 500	\$780 each, 62x43, assumes 5, install and
Y	- Diorama			\$0.00	\$1,350.00	removal \$880 each, 88x30, assumes 30, install and
	- Bus curb side				\$3,900.00	

OUTREACH AND MATERIALS	DESCRIPTION	AUDIENCE	PEPCO COSTS	DDOT COSTS	NOTES
- Media costs				\$0.00	
Newspapers insert	Pre and during construction. Possible venues: English versions in the Post's TMC program (appears in all DC newspapers and mailed to homes), Washington Informer and Washington African American. Spanish version in El Pregundo, El Tiempo Latino and Washington Hispanio	Customers			Assumes 2, 4 page-8-sided full color inserts measuring approximately 8.5" x 11"
- Write/Design		- Customore	\$12,000.00	\$0.00	measuring approximately 0.5 x 11
- Spanish translation			\$1,500.00		Assumes 10% of population
- Layout			\$4,000.00	\$0.00	- Section of the sect
- Media costs (includes printing)			\$78,000.00	\$0.00	
SUBTOTAL			\$113,000.00	\$5,250.00	
Strategy	A Stricker Daker 2				
*Logo and tag line SUBTOTAL	Development of an overall creative approach and theme line	All stakeholders	\$60,000.00 \$60,000.00	\$0.00 \$0.00	Development of multiple concepts for the overall look and feel of materials
Resources	The state of the state of the state of	STATE OF THE STATE	Walter State of State of		
Community relations coordinator	Management of communications and community relations programs	All stakeholders	\$100,000.00	\$0.00	Assumes 40 hrs/week. This resource will be responsible for attending community meetings in support of DDOT's and Pepco's community outreach activities, coordinating outreach activities and materials and managing overall communications
RESOURCES TOTAL		The state of the s	\$100,000.00	\$0.00	managing overall communications

DDOT BUDGET	\$272,250.00	建 位3.56660000000000000000000000000000000000
PEPCO BUDGET	\$657,028.00	WILLIAM CHAINE STORY
tOne time cost	\$657,028.00	

APPENDIX 0: Utility Coordination Protocol

UTILITY COORDINATION PROTOCOL

Section 308(c)(10) of the Undergrounding Act¹ requires "[a] protocol to be followed by the electric company and DDOT to provide notice and to coordinate engineering, design, and construction work performed pursuant to this act with the gas company, water utility, and other utilities that own or plan to construct, as approved by the Commission where applicable, facilities that may be affected by the DDOT Underground Electric Company Infrastructure Improvement Activity or Electric Company Infrastructure Improvement Activity." This Utility Coordination Protocol ("Protocol") is to establish the basic principles concerning how the District of Columbia Government, through DDOT, and Pepco will coordinate work affecting the public space of the District of Columbia in connection with the District of Columbia Power Line Undergrounding ("DC PLUG") initiative undertaken pursuant to the Undergrounding Act. This Protocol is separate and apart from any other Memoranda of Understanding ("MOU"), Memoranda of Agreement ("MOA") or other agreement entered into between DDOT or Pepco and any other utility company and is not intended to supersede any MOUs, MOAs, or other agreements.

1. Design Scope Development

- a. DDOT and Pepco shall, as early in the project planning and design process as possible, provide information to the utility companies regarding the scope and schedule of DC PLUG initiative work. Based on information provided by the utility companies, DDOT and Pepco will utilize the information to design the DC PLUG initiative work to minimize impact on the facilities of the utility companies to the greatest extent reasonably possible.
- b. At 30% design, DDOT and Pepco will provide preliminary civil schematic information for each electric feeder to the utility companies. DDOT and Pepco will coordinate with the utility companies to identify any utility company's facilities that will be impacted due to the requirements of the DC PLUG initiative.
- c. At 65% design, any subsequent design revisions from the preliminary civil schematic of the DC PLUG initiative work, including design revisions of any other utility company with respect to relocation work, shall be shared with all the utility companies for their review to ensure that such changes have not changed the original determination of impact or conflict.

The Electric Company Infrastructure Improvement Financing Act of 2014 was amended by the Electric Company Infrastructure Improvement Emergency Financing Act of 2017 (as amended, the "Undergrounding Act").

d. Throughout the construction of a particular DC PLUG initiative project and as soon as DDOT and Pepco are aware of any changes in the DC PLUG initiative work or schedule, DDOT and Pepco will promptly inform the utility companies regarding any changes in the DC PLUG initiative work or schedule that may affect the facilities of a utility company.

2. Design

- a. Based on the information provided by any utility company as described in Section 1 above, DDOT and Pepco, in consultation with the utility companies, will coordinate the engineering, design and construction of the DC PLUG initiative work so that the impact on the public is minimized to the greatest extent reasonably possible and infrastructure conflicts are avoided to the greatest extent reasonably possible. Where a conflict with the facilities of a utility company is deemed by DDOT and Pepco to be unavoidable, DDOT and Pepco will provide written notice to the utility company identifying the facilities of the utility company that must be relocated prior to the commencement of the DC PLUG initiative work on the feeder that has the conflict.
- b. In addition, DDOT and Pepco, in consultation with the utility companies, will evaluate and coordinate the engineering, design and construction work so that the cost, construction, sequencing and other impact on the facilities and customers of DDOT, Pepco and each of the utility companies is minimized to the greatest extent reasonably possible.
- c. On occasions when a relocation of a utility company's facilities is not necessary due to DC PLUG initiative work, but DDOT, Pepco and one or more utility companies agree that it is to their mutual benefit to combine work, DDOT and Pepco and the utility company will enter into a written agreement to detail the process for the performance of any combined work.
- d. All designs will be in accordance with DDOT's Design and Engineering manual and Pepco's Distribution Standards.

3. Construction and Costs for Relocation

a. Where a utility company must undertake work to relocate or modify its facilities such work will be undertaken by the utility company in a manner consistent with existing law, rule or regulation.

- b. Where a utility company, with the exception of DC Water, must undertake work to relocate or modify its facilities, such work will be undertaken by the utility company in a manner consistent with existing law, rule or regulation, and all costs associated with relocation to accommodate DC PLUG initiative infrastructure will be paid by the affected utility company, except as otherwise required by existing law, rule or regulation.
- c. Where DC Water must undertake work to relocate or modify its facilities, such work shall be undertaken by DC Water in a manner consistent with existing law, rule or regulation, and all costs associated with relocation to accommodate DC PLUG initiative infrastructure shall be paid in conformity with any existing Memorandum of Agreement between DC Water and DDOT.

4. Utilities Coordination Meetings

DDOT and Pepco will jointly host utility coordination meetings with the utility companies. The purpose of these meetings is to accomplish and promote the following:

- Discuss the planned work associated with the DC PLUG initiative
- Introductions of key personnel and contact representatives of each participant
- Identify opportunities for collaboration and provide a forum for resolution of conflicts between participants

DDOT and Pepco will hold regular utility coordination meetings, but not less frequently than monthly, commencing not later than the month following the issuance by DDOT and Pepco to the utility companies of the 30% preliminary design package.

5. Media and Community Relations

DDOT and Pepco shall coordinate with utility companies to handle media and community relations inquiries regarding the DC PLUG work.

K. M. MCGOWAN
Direct Testimony
DC P.S.C. -- July, 2017

Introduced as: PEPCO _____ (A)

POTOMAC ELECTRIC POWER COMPANY

BEFORE THE PUBLIC SERVICE COMMISSION OF THE DISTRICT OF COLUMBIA DIRECT TESTIMONY OF KEVIN M. MCGOWAN FORMAL CASE NO. 1145

1	Q1.	Please state your name and position.
2	A1.	My name is Kevin M. McGowan, and I am Vice President, Regulatory
3		Policy & Strategy of Pepco Holdings LLC (PHI), formerly Pepco Holdings, Inc. I
4		am testifying on behalf of Potomac Electric Power Company (Pepco or the
5		Company).
6	Q2.	What are your responsibilities in your role as Vice President, Regulatory
7		Policy & Strategy?
8	A2.	I am responsible for regulatory and energy acquisition matters for PHI and
9		its three regulated utility subsidiaries: Pepco, Atlantic City Electric Company, and
10		Delmarva Power & Light Company. In this capacity, I am responsible for
11		regulatory affairs related to PHI's utility business before the Public Service
12		Commission of the District of Columbia (the Commission), the Maryland Public
13		Service Commission, the Delaware Public Service Commission, the New Jersey
14		Board of Public Utilities, and the Federal Energy Regulatory Commission.
15	Q3.	What is your educational and professional background and experience?
16	A3.	I hold a Bachelor of Business Administration degree in both Accounting
17		and Business Data Systems from the University of Texas at San Antonio and a
18		Masters of Business Administration in Finance from the University of Chicago
19		Booth School of Business. I am also a Certified Public Accountant.

1		In 1998, I joined Potomac Capital Investments, a subsidiary of Pepco, as
2		the Vice President and Treasurer. In 2004, I transferred to PHI's Power Delivery
3		group and eventually to PHI, where I have managed various financial functions
4		including Strategic Planning, Financial Planning, Treasury and Corporate Risk.
5		In March 2009, I was promoted to Vice President and Treasurer of PHI. In
6		November 2012, I became Vice President, Regulatory Affairs and, upon closing
7		of the merger between Exelon Corporation (Exelon) and PHI, I was named Vice
8		President, Regulatory Policy and Strategy. Prior to joining Pepco, I worked for
9		Duty Free International, an international retail company, and prior to that I
10		worked for Ernst & Young.
11	Q4.	Have you previously presented testimony with respect to the District of
12		Columbia Power Line Undergrounding (DC PLUG) initiative before this
13		Commission?
14	A4.	Yes. I previously testified in the DC PLUG proceedings (Formal Case
15		Nos. 1116 and 1121). In addition, I have testified before this Commission and
16		other commissions in the Company's previous distribution base rate case
17		proceedings and other matters.
18	Q5.	What is the purpose of your testimony?
19	A5.	The purpose of my testimony is to (i) introduce the Pepco and DDOT
20		witnesses who are providing testimony in support of this application, (ii) provide
21		a description of the revised funding structure under the Undergrounding Act,
22		(iii) explain the surcharges that customers can expect to see on their electric bills,
23		(iv) provide an overview of the operations and maintenance (O&M) costs

1		included in the Underground Project Charge, (v) demonstrate that the application
2		is in compliance with the requirements of the Financing Order request under
3		Section 302 the Undergrounding Act, and (vi) summarize the provisions
4		mandated by the Undergrounding Act to be included in the Commission's
5		Financing Order (Section 301).
6		This testimony and accompanying exhibits were prepared by me or under
7	*	my direct supervision and control. The source documents for my testimony are
8		District and Pepco records, public documents, and my personal knowledge and
9		experience.
10	Q6.	What topics are discussed in other Company and DDOT witnesses'
11		testimony?
12	A6.	There are four other witnesses presenting testimony in support of the application.
13		They are as follows:
14		• Company Witness Joseph Janocha, Manager, Rate Economics for Pepco
15		Holdings, will discuss the rate impacts and revenue requirement associated
16		with the DC PLUG initiative and provide support for the application for a
17		financing order from the Commission (Financing Order Application).
18		• Company Witness Cynthia McCabe, Director, Communications for Pepco
19		Holdings, will discuss customer and community education and outreach
20		activities associated with DC PLUG initiative.
21		• Company Witness Bryan Clark, Director, Engineering for Pepco Holdings,
22		will discuss certain aspects of the First Biennial Plan that relate to the
23		construction effort.

		witness MeGowan
1		• DDOT Witness Ronald Williams, Program Manager, District Department of
2		Transportation (DDOT), will discuss the DDOT Underground Electric
3		Company Infrastructure Improvement Costs, the DDOT Underground Electric
4		Company Infrastructure Improvement Charges (DDOT Charges), and other
5		information, such as local business procurement.
6	Q7.	Please describe the Undergrounding Act.
7	A7.	On May 3, 2014, the Electric Company Infrastructure Improvement
8		Financing Act of 2014 (the Original Act) became effective as D.C. Law 20-102.
9		Effective May 17, 2017, the Original Act was amended by the Electric Company
10		Infrastructure Improvement Financing Emergency Amendment Act of 2017
11		(Emergency Amendment Act) (collectively, the Undergrounding Act). When I
12		refer to the Undergrounding Act in my testimony, it is to the Original Act as
13		amended by the Emergency Amendment Act. Consequently, any reference to a
14		section of law or a defined term is to that section or defined term as contained in
15		the Undergrounding Act.

Q8. What is the funding structure under the Undergrounding Act?

Under the Undergrounding Act, the Pepco-funded portion of the initiative is \$250 million, and the District-funded portion is \$187.5. DDOT will also fund up to \$62.5 million of the DC PLUG initiative from DDOT improvement funds.

Pursuant to the Section 301(a)(2)(A) of the Undergrounding Act, the District will assess on Pepco a fee equal to the cost of the work to be performed by DDOT for the next two-year period, in the form of the DDOT Underground

16

17

18

19

20

21

22

A8.

Undergrounding Act, Section 310(d).

Undergrounding Act, Section 301(a)(2)(A).

Electric Company Infrastructure Improvement Charge (DDOT Charge). Pursuant
to Section 301(a)(2)(B) of the Undergrounding Act, Pepco will remit the
proceeds, equal to 1/24 of the DDOT Charge, within the first 10 days of each
month during the applicable billing period. Consistent with Sections 303a(a) and
303a(c) of the Undergrounding Act, the District will establish the Underground
Electric Company Infrastructure Improvement Fund (DDOT Improvement Fund).
The Pepco funds remitted to DDOT to pay the DDOT Charge will be placed in
the DDOT Improvement Fund for exclusive use in paying for the DDOT
Underground Electric Company Infrastructure Improvement Costs (DDOT
Costs).

To recover the DDOT Charge, the Company will assess an Underground Rider surcharge to its distribution service customer classes, with the exception of RAD customers (Section 301(a)(3) of the Undergrounding Act) on a volumetric basis, and in, at most, an amount sufficient for Pepco to recover the DDOT charges. To ensure that the Company recovers aggregate costs equal to the annual DDOT Charge (approximately \$30 million per year), pursuant to Section 314 of the Undergrounding Act, the Underground Rider will be subject to a true-up on a semi-annual basis to account for over- or under-collection.

Q9. How will Pepco recover its \$250 million in costs associated with the DC PLUG initiative?

A9. Pepco will recover its \$250 million investment through an Underground Project Charge surcharge, in the same manner as was approved in Order No.

1		17697.3 The surcharge will appear on electric distribution customers' bills in the
2		same manner as approved in the First Triennial Plan. Company Witness Janocha
3		discusses the Underground Project Charge and its development in more detail.
4	Q10.	What costs are included in the Underground Project Charge?
5	A10.	The Underground Project Charge consists of the revenue requirement for

the Electric Company Infrastructure Improvements projected to be placed in service plus certain O&M. Company Witness Janocha reviews each of these elements, but I will address, in particular, the recovery of costs incurred for feeders that were selected as part of the First Triennial Plan filed pursuant to the Original Act that were not selected for inclusion in the First Biennial Plan under the Undergrounding Act.

Q11. Why are costs associated with feeders selected in the First Triennial Plan included in the revenue requirement for the First Biennial Plan?

A11. In the First Triennial Plan, the Company selected and the Commission approved 21 feeders to be placed underground.⁴ Pepco performed preliminary design work on all 21 feeders. The designs for Feeders 308 and 14261 were 100% complete because those two feeders were the inaugural feeders under the First Triennial Plan.

Q12. Does the Undergrounding Act authorize Pepco to recover these costs?

20 A12. Yes. Due to the legal challenges to the legislation on which the First
21 Triennial Plan was based, implementation of the First Triennial Plan was delayed
22 and ultimately replaced with the First Biennial Plan. The Undergrounding Act

³ Order No. 17697 at Page 6.

⁴ Order No. 17697 at Pages 70-71.

requires that DDOT and Pepco revise the feeder selection based on analysis of the
previous seven years of data (2010-2016). The new analysis re-ranked feeders
with some of the originally selected feeders falling too low in the ranking for
selection in the First Biennial Plan. Specifically, of the feeders selected in the
First Triennial Plan, only Feeders 308, 368, and 14758 ranked high enough to be
selected for the First Biennial Plan. Under Section 101(21) of the
Undergrounding Act, Pepco has the legislative authority to recover the costs spent
on the First Triennial Plan feeders. Therefore, DDOT and Pepco have included
the cost of the preliminary design work and the costs associated with the
engineering design of Feeder 14261 in the revenue requirement in the First
Biennial Plan.

Q13. Does the Application comply with the requirements of the Financing Order request in the Undergrounding Act?

- A13. Yes. A summary of the requirements for the application for financing orders are contained in Sections 302 of the Undergrounding Act and are summarized as follows:
 - Section 302(b)(2)(A)-the DDOT Charge for the next two-year period is set forth in Appendix I and further discussed in the testimony of Company Witness Janocha.
 - Section 302(b)(2)(B)-the Direct Testimony of Company Witness Janocha sets forth: the Underground Rider; the allocation of the Underground Rider among Pepco's distribution service customer classes, other than the RAD customer class, in accordance with the distribution service customer

1		class cost allocations approved by the Commission in Formal Case No.
2		1103, sufficient to generate an amount at least equal to the annual DDOT
3		Charge for the next two-year period. The proposed tariff changes to
4		implement the Underground Rider are described and supported in
5		Company Witness Janocha's testimony.
6		• Section 302(b)(2)(C) - a proposed form of public notice of the application
7		suitable for publication by the Commission, combined with the form of
8		public notice for the application for approval of the biennial Underground
9		Infrastructure Improvement Projects Plan (First Biennial Plan), is attached
10		to the transmittal letter.
11	Q14.	Are there necessary provisions mandated by the Undergrounding Act that
12		the Commission must include in any financing order?
13	A14.	Yes. Sections 301 and 303 of the Undergrounding Act specify the
14		provisions that are required to be included in any financing order and are included
15		in the application, along with a reference to where each item is addressed in the
16		Financing Order Application and First Biennial Plan.
17	Q15.	What is the Company's recommendation with regard to the application for
18		Financing Order?
19	A15.	The Company has complied with all requirements of the Undergrounding
20		Act and recommends the Commission issue the Financing Order, in accordance
21		with Section 303(c) of the Undergrounding Act.
22	Q16.	Does this conclude your testimony?
23	A16.	Yes, it does.

VERIFICATION

Washington, D.C.)
) ss:
)

Kevin M. McGowan, being first duly sworn, deposes and says that he is the Vice President, Regulatory Policy & Strategy for Pepco Holdings LLC, he has read the foregoing Direct Testimony, he has knowledge of the matters set forth therein, and the statements therein are true and correct to the best of his information, knowledge and belief.

Kevin M. McGowan

Subscribed and sworn to before me this _______ day of June, 2017.

District of Columbia: SS Subscribed and Sworn to before me,

Dorofym Kan

Notary Public

My commission expires 10 14 202

.2017

B. L. CLARK
Direct Testimony
DC P.S.C. -- July, 2017

Introduced as: PEPCO _____ (B)

POTOMAC ELECTRIC POWER COMPANY

BEFORE THE PUBLIC SERVICE COMMISSION OF THE DISTRICT OF COLUMBIA DIRECT TESTIMONY OF BRYAN L. CLARK FORMAL CASE NO. 1145

1	QI.	Please state your name and position.
2	A1.	My name is Bryan Clark. I am the Director of Engineering at Pepco
3		Holdings, LLC (Pepco Holdings). I am testifying on behalf of Potomac Electric
4		Power Company (Pepco or the Company).
5	Q2.	What are your responsibilities in your role as Director of Engineering?
6	A2.	I am responsible for Pepco Holdings' management of a multifunctional
7		planning and analysis team within the Technical Services division of Pepco Holdings,
8		which includes the Delmarva Power & Light Company (Delmarva Power), Atlantic
9		City Electric, and Pepco service territories. This division is responsible for reliability
10		reporting, reliability planning, maintenance strategy, failure analysis, distribution
11		standards, distribution system capacity planning, and vegetation management.
12	Q3.	Could you please describe your educational and professional background and
13		experience?
14	A3.	I earned an Associate of Applied Science Degree in Electronics Engineering
15		from Delaware Technical & Community College, a Bachelor of Science Degree in
16		Engineering from the University of Delaware, and a Master in Business
17		Administration from Wilmington University. I joined Delmarva Power at the Indian
18		River Generating Station, progressing from the role of plant equipment operator to
19		operations supervisor and subsequently serving as a project engineer and system
20		operator in Delmarva Power's Electric System Operations Division. I have held

several management positions, including Manager of Asset Performance and Reliability, Distribution Control Center Manager, and Process Manager of Reliability.

In 2016, I was promoted to my current position of Director of Engineering.

I also served as vice chair of the Board of Junior Achievement of the Eastern Shore. I have served as an Adjunct Professor of Electric System Operations Technology at Bismarck State University, and I am currently president of a cemetery trust corporation. I serve on the Engineering Technology Industrial Advisory Board at the University of Maryland - Eastern Shore and the Engineering Technology Advisory Board at Delaware Technical & Community College.

10 Q4. Was your testimony prepared by you or under your direct supervision and control?

12 A4. Yes. This testimony and accompanying exhibits were prepared by me or
13 under my direct supervision and control. The sources for my testimony are Company
14 records, public documents, and my personal knowledge and experience.

Q5. What is the purpose of your testimony?

A5.

The District Department of Transportation (DDOT) and Pepco are required to file a Biennial Underground Infrastructure Improvement Projects Plan (First Biennial Plan) in compliance with the Undergrounding Act.¹ The purpose of my testimony is to support certain aspects of the DC PLUG initiative that relate broadly to the construction effort under the First Biennial Plan. Specifically, I am testifying about such topics as the Feeder Ranking Model and feeder selection methodology, the

The Electric Company Infrastructure Improvement Financing Act of 2014 was modified on May 17, 2017, by Mayor Muriel Bowser who signed (and thereby made effective) the Electric Company Infrastructure Improvement Financing Emergency Amendment Act of 2017 (as amended, Undergrounding Act).

- selected feeders, feeder design, technical details regarding the selected feeders, general feeder construction timelines, projected costs and alternative funding sources, and employment of District of Columbia residents and contractors.
- 4 Q6. About which components of Section 308 of the Undergrounding Act are you testifying?
- A6. I am a principle witness with respect to the requirements of Sections 308(a), 308(b), and 308(c)(1)-(5). I also provide additional supporting testimony with respect to other requirements discussed below.

Q7. What is the purpose of the First Biennial Plan?

9

10

11

12

13

14

15

16

17

18

19

20

21

22

A7.

Section 307(a) of the Undergrounding Act requires DDOT and Pepco to jointly file with the Commission and concurrently serve upon the Office of People's Counsel of the District of Columbia ("OPC") an application for approval of the First Biennial Plan. The purpose of the First Biennial Plan is to present a plan that identifies the DDOT Underground Electric Company Infrastructure Improvement Activity and the Electric Company Infrastructure Improvement Activity planned to be undertaken in a two-year period.² Under Section 308, the First Biennial Plan is required to include such information as a measurement and ranking of the reliability performance of Pepco's overhead feeders, recommend feeders to be placed underground, project details and itemized cost estimates associated with placing the feeders underground, and other information, including a description of the customer and community education and outreach efforts taken to identify District of Columbia residents to be employed by DDOT and Pepco during construction.

Section 101(41) of the Undergrounding Act.

1	Q8.	Please describe	generally	how	the	First	Biennial	Plan	differs	from	the	First
2		Triennial Plan.										

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

Q9.

A9.

A8. DDOT and Pepco jointly filed with the Public Service Commission of the District of Columbia (Commission) the first Triennial Underground Infrastructure Improvement Projects Plan (First Triennial Plan) on June 17, 2014. Several key distinctions exist between the First Triennial Plan and the First Biennial Plan. The First Biennial Plan includes the selection of six feeders for placement underground whereas the First Triennial Plan selected twenty-one. Second, the ranking of feeders upon which the First Biennial Plan's feeder selection is based reflects seven years of feeder outage data (and thereby seven years of historical reliability performance data) as opposed to the First Triennial Plan's three-year outage data. Third, the First Biennial Plan describes the feeders upon which initial work (including procurement and engineering activities) will begin during the subsequent two years following its approval, compared to the First Triennial Plan, which described work slated to begin in the subsequent three years after approval. Finally, the amount of funding for the improvements contained in the First Biennial Plan and the First Triennial Plan and the funding source for the DDOT Charge differ.

Have DDOT and Pepco provided a measurement and ranking of the reliability performance of each of Pepco's overhead and combined overhead-underground feeders in the District of Columbia over the preceding seven years, using the primary selection criteria specified by the Undergrounding Act?

Yes. Appendix A of the First Biennial Plan presents the ranking of the reliability performance of Pepco's overhead and combined overhead/underground

feeders based on seven-calendar-years' average of (a) the number of outages per feeder (SAIFI), (b) the duration of the outages occurring on the feeder (SAIDI), and (c) customer minutes of interruption on the feeder per dollar of estimated cost to place the feeder underground (CMI/\$), weighted equally, for all sustained interruptions occurring on each overhead and combined overhead-underground feeder in the District of Columbia.

A10.

In accordance with Section 308(a)(1)(A) of the Undergrounding Act, DDOT and Pepco used seven full years of reliability data to rank its overhead feeders. DDOT and Pepco used reliability performance data from the years 2010 through 2016 to rank its overhead feeders.

Q10. Please describe generally the process for identifying and evaluating feeders to be placed underground.

DDOT and Pepco used the same process that they used to identify feeders for selection in the First Triennial Plan. The Commission found in Order No. 17697 (as clarified in Order No. 17770) that this process complied with the Original Act. First, DDOT and Pepco started the feeder selection process by ranking all of Pepco's overhead and combined overhead/underground feeders in the District of Columbia using a quantitative model. That quantitative model is included as Exhibit PEPCO (B)-1 and is explained further in the First Biennial Plan. Second, they identified the most equitable distribution of DC PLUG initiative improvements across the District of Columbia by selecting the highest-ranked (*i.e.*, least resilient) feeder in each ward to be placed underground. Third, they analyzed ongoing reliability work as well as current and planned system work on the most highly-ranked feeders in each

Ward.	Fourth,	DDOT	and	Pepco	identified	d opp	portuniti	es to	take	advantage	of
existing	or plan	ned DD	OT r	oadway	work.	Last,	DDOT	and	Pepco	finalized	the
feeder s	election 1	for the F	irst B	Biennial	Plan.						

Throughout the DC PLUG initiative, DDOT and Pepco will continue to search for new opportunities for coordination with utilities and government agencies that may align with or enhance the cost-effectiveness or benefits associated with the initiative. If and when such opportunities require re-prioritization of feeders or the selection of additional feeders to be placed underground, DDOT and Pepco will inform the Commission through an update to the First Biennial Plan.

Q11. How did DDOT and Pepco perform the feeder ranking analysis?

A11.

DDOT and Pepco used a quantitative model to rank Pepco's overhead and combined overhead/underground feeders in the District of Columbia, in accordance with the Undergrounding Act. The results of the model are attached to my testimony as PEPCO (B)-1, and the model itself is included as a confidential electronic workpaper. As required by the Undergrounding Act, the model incorporates the historical reliability performance data for each of Pepco's District of Columbia overhead and combined overhead/underground feeders from 2010 through 2016. Model inputs include (for each feeder):

- Reliability performance data (e.g., Number of customer interruptions (CI) and Customer minutes of interruption (CMI)),
- Estimated cost to place the primary mainline and lateral lines underground,
- Number of customers served,

1		Value of service calculation, and
2		Physical characteristics of each feeder, such as geographical location and
3		number of circuit miles.
4	Q12.	Does the model exclude major service outages (MSO)?
5	A12.	No. In accordance with Section 308(a)(2) of the Undergrounding Act, the
6		outage data used in the model includes all outage data during the seven-year period,
7		including MSO data. This is consistent with the approach followed by DDOT and
8		Pepco in the First Triennial Plan.
9	Q13.	Is it appropriate to include MSO data in the outage data?
10	A13.	Yes. It is appropriate to include MSO data because the primary purpose of the
11		DC PLUG initiative is to improve system reliability and resilience during severe
12		weather events. In addition, these enhancements will also improve system reliability
13		during blue sky conditions. Indeed, Section 102(2) of the Undergrounding Act states
14		that "Electric system modernization is necessary to establish 21st century electric
15		distribution systems to promote the public interest through increased system
16		reliability, resiliency, and flexibility during all types of weather events, including
17		major storms."
18	Q14.	How did Pepco use this feeder ranking to select feeders to be placed
19		underground during the First Biennial Plan of the DC PLUG initiative?
20	A14.	First, as discussed above, Pepco ranked its overhead District of Columbia
21		feeders according to SAIFI, SAIDI and CMI per dollar. Second, DDOT and Pepco
22		identified the highest-ranked feeders in each of the five wards of the District of
23		Columbia characterized by a large concentration of overhead power lines and

susceptibility to overhead outages (*i.e.*, Wards 3, 4, 5, 7 and 8). Third, DDOT and Pepco analyzed ongoing reliability work as well as current and planned system work on the most highly-ranked feeders in each Ward. As a result, in some Wards, the feeder selected to be placed underground may not have ranked as the worst-performing feeder in that Ward. For a detailed description of which feeders were selected from each Ward, please see the Feeder Selection section of the First Biennial Plan. Fourth, DDOT and Pepco identified opportunities to take advantage of existing or planned DDOT roadway reconstruction projects to place an adjacent highly-ranked feeder underground. DDOT and Pepco call these projects "opportunity projects." The fifth and final step in the feeder selection process is to finalize the feeder selection for inclusion in the First Biennial Plan.

A15.

Q15. Please provide an example of a feeder selected for placement underground that is not the highest-ranked feeder in its Ward.

An example of a feeder selected for placement underground that is not the highest-ranked feeder in its Ward is Feeder 368. Feeder 368 ranks as the fourth least-resilient feeder in Ward 7, with Feeders 15707, 15705, and 14702 ranked above it in the Feeder Ranking Model. While the DC PLUG initiative has been delayed since DDOT and Pepco filed the First Triennial Plan, Pepco has continued to proactively and aggressively improve the reliability and resilience of its system through projects like the Benning Area Reliability Plan—a holistic program to improve the reliability and resilience of feeders fed from the Benning Substation. Through this program, Feeders 15707 and 15705 will undergo significant changes over the next two years aimed at improving reliability and resilience. These two feeders are also part of an

1		existing distribution automation (DA) scheme that will see further configuration
2		changes over the next two years. As a result of this work, Pepco expects to see a
3		large improvement in these feeders' reliability and resilience. Therefore, DDOT and
4		Pepco chose to identify a separate feeder in Ward 7 that would benefit from
5		placement underground. The next highest-ranked feeder in Ward 7 is Feeder 14702.
6		However, Feeder 14702's load is planned to be transferred to Feeder 15179 in 2017
7		to improve reliability and resilience. Therefore, DDOT and Pepco selected the fourth
8		highest-ranked feeder in Ward 7 for placement underground—Feeder 368.
9	Q16.	Did DDOT and Pepco analyze planned DDOT capital projects in an effort to
10		identify opportunities for the First Biennial Plan?
11	A16.	Yes. DDOT and Pepco identified the feeder(s) that provided opportunities for
12		the DC PLUG initiative to take advantage of planned DDOT roadway reconstruction
13		work. As a result, Feeder 14900 is included in the First Biennial Plan. The selection
14		of Feeder 14900 for placement underground is commensurate with the fourth step of
15		DDOT and Pepco's feeder selection process.
16	Q17.	Which feeders are DDOT and Pepco recommending for placement underground
17		in the First Biennial Plan?
18	A17.	In addition to Feeder 14900 identified above, DDOT and Pepco recommend
19		the following five feeders for placement underground, making a total of six feeders
20		selected for placement underground in the First Biennial Plan. These feeders are
21		described in greater detail throughout the First Biennial Plan and its appendices.
22		• Feeder 308 (4kV) – Ward 3
23		• Feeder 14758 (13kV) – Ward 8

1		• Feeder 14007 (13kV) – Ward 5
2		• Feeder 15009 (13kV) – Ward 4
3		• Feeder 368 (4kV) – Ward 7
4		• Feeder 14900 (13kV) – Ward 4
5		For Feeders 308, 14758, 14007, 15009 and 368, DDOT and Pepco intend to
6		place the primary mainline and primary lateral sections underground. For Feeder
7		14900, DDOT and Pepco plan to place a large section of its primary mainline
8		underground. The section that DDOT and Pepco intend to place underground is
9		approximately 1.7-miles in length and aligns with DDOT's upcoming roadway
10		reconstruction project on Oregon Avenue, NW.
11	Q18.	Why did DDOT and Pepco select one feeder in each Ward as the feeders to be
12		placed underground in the First Biennial Plan?
13	A18.	DDOT and Pepco selected at least one feeder in each Ward most heavily
14		impacted by overhead outages in order to minimize customer impact in a given Ward
15		and to equitably enhance resilience and reliability benefits among the Wards. Road
16		or utility construction work can have a significant impact on a community and
17		economic impact on businesses. DDOT and Pepco have attempted to spread the
18		planned construction work across those five Wards of the District of Columbia in an
19		effort to minimize the impact on any one Ward by limiting the number of feeders

being worked on within a Ward at the same time.

20

1	Q19.	Where in the First Biennial Plan can the Commission find the feeders selected to
2		be placed underground?
3	A19.	DDOT and Pepco present the feeders selected for the First Biennial Plan of
4		the DC PLUG initiative in Appendix B.
5	Q20.	Will Pepco's District of Columbia customers realize reliability and resilience
6		improvements as a result of placing the feeders underground as specified in the
7		First Biennial Plan?
8	A20.	Yes. As described in my Direct Testimony, Pepco used a quantitative model
9		to rank its overhead feeders. Based on the seven years of historical reliability data
10		included in that model, customer interruptions that occurred on the overhead primary
11		mainline and overhead lateral portions of the feeders scheduled to be placed
12		underground in the First Biennial Plan will be significantly reduced and the total
13		system reliability performance indices will be improved. The Feeder Ranking Model
14		assumes that all of the outages associated with faults that occurred on the primary
15		main lines and laterals will be avoided once those portions of the feeder are placed
16		underground.
17	Q21.	How does Pepco measure the improvement in feeder performance as a result of
18		placement underground?
19	A21.	Pepco measures feeder performance using industry-standard reliability
20		performance indices. These indices include, but are not limited to, the System
21		Average Interruption Frequency Index (SAIFI), System Average Interruption
22		Duration Index (SAIDI), and Customer Minutes of Interruption (CMI).

1	Q22.	For the five selected feeders that do not represent opportunity projects, please
2		identify the estimated improvement to reliability performance indices as a result
3		of the DC PLUG initiative.
4	A22.	The Feeder Ranking Model estimates an 84.0% improvement in CI (and
5		therefore an 84.0% improvement in SAIFI) for the group of five feeders once they are
6		placed underground as compared to the average-annual feeder performance over the
7		seven years of the outage data in the Feeder Ranking Model. The model also
8		estimates an 83.6% improvement in CMI (and therefore an 83.6% improvement in
9		SAIDI) for this group of feeders once they are placed underground. Below is the
10		anticipated improvement in reliability performance indices for each individual feeder
11		as a result of the DC PLUG initiative, as estimated by the Feeder Ranking Model. It
12		is important to note that these figures reflect the estimated reliability performance
13		indices for the entire feeder, including the sections that will remain overhead once the
14		primary mainline and primary lateral lines are placed underground.
15		Feeder 308:
16		• 69.0% improvement in SAIFI
17		• 93.5% improvement in SAIDI
18		• 93.5% improvement in CMI
19		Feeder 14758:
20		• 90.9% improvement in SAIFI
21		• 94.8% improvement in SAIDI
22		• 94.8% improvement in CMI

1		Feeder 14007:
2		• 73.7% improvement in SAIFI
3		• 60.9% improvement in SAIDI
4		• 60.9% improvement in CMI
5		Feeder 15009:
6		• 88.0% improvement in SAIFI
7		• 92.9% improvement in SAIDI
8		• 92.9% improvement in CMI
9		Feeder 368:
10		• 92.9% improvement in SAIFI
11		• 99.1% improvement in SAIDI
12		• 99.1% improvement in CMI
13	Q23.	What is the total impact on the Pepco DC system (in terms of SAIFI, SAIDI and
14		CMI) as a result of these improvements?
15	A23.	The model estimates a 4.79% improvement in SAIFI and a 4.81%
16		improvement in SAIDI and CMI for the entire portion of Pepco's DC system that is
17		comprised of overhead and combined overhead/underground feeders once the feeders
18		in the First Biennial Plan are placed underground.
19	Q24.	Please describe the anticipated improvements to resilience and reliability with
20		respect to the work planned for Feeder 14900.
21	A24.	During the seven-year period from 2010-2016, Feeder 14900 had a SAIFI of
22		2.5 and a SAIDI of 699 minutes, with a total CMI of 958,497. As described in the
23		First Biennial Plan and as shown in detail in Appendices F (Preliminary Electrical

Witness Clark

Schematics) and G (Preliminary Civil Schematics) of the First Biennial Plan, DDOT
and Pepco plan to limit DC PLUG initiative work to an approximately 1.7-mile
section of Feeder 14900 along Oregon Avenue NW. PEPCO (B)-2 to my testimony
shows the most impactful outages that activated a protective device on that section of
Feeder 14900 during the period from 2010-2016.

A25.

The section of Feeder 14900 along Oregon Avenue, NW is particularly prone to vegetation-related outages, as it borders Rock Creek Park. Because the land is under the purview of the National Park Service, Pepco is unable to perform the same vegetation management activities that it would perform on other, similarly exposed feeders in the District of Columbia. By placing this section of Feeder 14900 underground, it will greatly reduce the feeder's exposure to overhead outages related to vegetation.

Q25. Do the expected reliability improvements discussed above satisfy Section 310(B)(3) of the Undergrounding Act?

Yes. The expected reliability improvements associated with the DC PLUG initiative will enure to the benefit of Pepco's District of Columbia customers, as required by the Undergrounding Act. These benefits will be realized both by customers on the specific feeder being placed underground as well as on feeders that are not part of the DC PLUG initiative because having fewer overhead lines will result in less storm damage and associated restoration cost, faster restoration when outages do occur, and lower economic impact to customers from loss of electric power during major storms.

1	Q26.	Is it in the public interest for the Commission to grant the authorizations and
2		approvals that DDOT and Pepco seek in the First Biennial Plan?

A26.

O27.

A27.

Yes. The First Biennial Plan represents a reasonable, economical approach to enhance the reliability and resilience of the electric distribution system as well as to minimize the impact of more frequent severe weather events on the electric distribution system in the District of Columbia, as was found with respect to the First Triennial Plan in Order No. 17697 (P 236 C).

Please describe how DDOT and Pepco may fine tune their feeder prioritization and selection (*i.e.*, which feeders are to be placed underground) to take advantage of the opportunities for collaboration with other utilities, government agencies or other entities.

DDOT and Pepco are committed to working with other utilities, government agencies and other entities to identify potential opportunities for coordination on future projects as they relate to the DC PLUG initiative. DDOT and Pepco hold recurring meetings with other utilities and government agencies in an effort to identify these opportunities. For further discussion of those efforts, please refer to DDOT Witness Williams's Direct Testimony. To the extent that Pepco, DDOT and other entities identify these opportunities, DDOT and Pepco will make every effort to adjust the timing or schedule of the First Biennial Plans or future plans to take advantage of the coordination opportunities.

1	Q28.	Will DDO1 and Pepco seek to place more leeders underground in subsequent
2		biennial plans?
3	A28.	In accordance with the Undergrounding Act, DDOT and Pepco are placing
4		feeders underground to improve the resilience of the electric distribution system
5		serving the District of Columbia. DDOT and Pepco will continue to implement the
6		DC PLUG initiative and file future biennial plans in accordance with the
7		Undergrounding Act. Given the approximately \$500 million funding contemplated
8		by the Undergrounding Act, DDOT and Pepco strive to place all or part of up to thirty
9		feeders underground throughout the course of the DC PLUG initiative.
10		FEEDER DESIGN AND LOCATION
11	Q29.	Are the Electric Company Underground Infrastructure Improvements DDOT
12		and Pepco are proposing in the First Biennial Plan appropriately designed and
13		located?
14	A29.	Yes. Pepco designed the proposed Electric Company Underground
15		Infrastructure Improvements in the First Biennial Plan based on Company standards
16		that are in accordance with sound engineering principles and generally accepted
17		principles of electric distribution system design. The feeders were chosen as
18		described above, and their locations are shown in the Feeder Locations and One-Line
19		Drawings in Appendix D.
20	Q30.	What other factors did DDOT and Pepco consider during the initial design of
21		the proposed improvements?
22	A30.	As stated above, DDOT and Pepco employed DDOT and Company standards
23		and sound engineering principles. In addition, DDOT and Pepco modified their

designs to facilitate load increases as well as to accommodate changes in technology or operating conditions that may occur in the future. Finally, DDOT and Pepco incorporated methods and technologies into their designs to minimize project costs and maximize reliability benefits. For example, DDOT and Pepco have incorporated innovative manhole and transformer configurations, including newly-designed partially-grated tops for three-phase transformer vaults, in an effort to economically enhance reliability and resilience and manage future maintenance costs.

A31.

Q31. Do the preliminary schematics included in the First Biennial Plan constitute a redesign of the overhead feeders that Pepco proposes to place underground?

Yes. DDOT and Pepco's designs are consistent with Pepco's existing underground design criteria for radial feeders, which calls for a loop configuration to enhance reliability and resilience and minimize the impact of faults. This loop design constitutes a redesign of the overhead feeder configuration, which does not include a loop. In general, for each of the feeders proposed to be placed underground, the route of the underground feeder closely resembles the route of the overhead feeder. However, in the course of performing detailed engineering analysis and field surveys, some changes may be made to the feeders' designs and/or routes to avoid physical obstructions or to improve the reliability, resilience and/or the operational efficiency of the underground system (e.g., to accommodate new ties to neighboring feeders).

Q32. Will the final post-construction configuration of the underground feeders adhere to the preliminary schematics contained in the First Biennial Plan?

A32. In most cases, the final, constructed configuration of the underground feeders will closely resemble the preliminary schematics appended to the First Biennial Plan.

Witness Clark

However, before DDOT and Pepco begin construction, they will perform physical field surveys of each project site and further analyze each feeder to be placed underground. They will then use the results of those surveys and analyses to modify their preliminary design schematics and produce final engineering designs and construction plans.

A33.

Q33. What other measures will DDOT and Pepco use to modify the final engineering designs?

From the time that DDOT and Pepco file the First Biennial Plan to the time that final civil and electrical engineering designs are finalized, DDOT and Pepco will look for opportunities to allow certain limited portions of DC PLUG initiative feeders to remain overhead without impacting the anticipated reliability and resilience gains associated with placing the feeder underground. For instance, if DDOT and Pepco identify a section of a selected feeder's primary lateral line that has neither experienced nor is susceptible to overhead outages, the final engineering designs may call for that section of the feeder to remain overhead. This will allow DDOT and Pepco to apply the cost of placing that section of the feeder underground to a future DC PLUG initiative feeder.

Q34.	Have DDOT and Pepco assessed potential obstacles to the timely completion of a
	project, including, but not limited to, the need to obtain environmental or other
	permits or private easements, the existence of historically sensitive sites,
	required tree removal, and significant traffic disruptions, as required by Section
	308(c)(3) of the Undergrounding Act?

A35.

A34.

As of this filing, DDOT and Pepco have not encountered any specific obstacles to the design or construction of the feeders selected for placement underground in the First Biennial Plan. Throughout the DC PLUG initiative, DDOT and Pepco will continue to identify potential risk factors and mitigation techniques. At this stage, DDOT and Pepco recognize that the risks commonly associated with this program are the same as the obstacles and risks associated with any large capital project DDOT or Pepco may undertake. Common sources of risk include adverse weather, availability of skilled contractor resources and the availability of materials. DDOT and Pepco intend to take all proper precautions to minimize risk and maintain safety. DDOT and Pepco will also, to the greatest extent possible, address the concern of traffic disruptions by prioritizing and scheduling feeders to be placed underground in such a way that the work is spread out among the five wards.

Q35. Please describe DDOT's and Pepco's efforts to coordinate with other utilities.

DDOT and Pepco have and will continue to jointly host utility coordination meetings with the gas company, water utility and other utilities. The purpose of those meetings is to discuss the planned work associated with the DC PLUG initiative and, together with the attending utilities, to identify opportunities for collaboration or other involvement.

1		TECHNICAL DETAILS REGARDING SELECTED FEEDERS
2	Q36.	Please identify and describe feeder number and location (by street address
3		Ward, and neighborhood) for each mainline primary and lateral feeder
4		recommended by DDOT and Pepco to be placed underground, as required by
5		Section 308(a)(3)(A) of the Undergrounding Act.
6	A36.	The feeder number and location for each feeder recommended to be placed
7		underground is located on the Feeder Description Summary Sheet for each feeder
8		(Appendix C), along with cost estimates for that project. Additionally, location
9		information for each feeder can be found in Appendices D (Feeder Locations and
10		One-Line Drawings), E (Existing Overhead Electrical Schematics), F (Preliminary
11		Electrical Schematics), and G (Preliminary Civil Schematics).
12	Q37.	Please identify overhead electrical cables, fuses, switches, transformers and
13		ancillary equipment, including poles, that are to be placed underground or
14		removed, as required by Section 308(a)(3)(B) of the Undergrounding Act.
15	A37.	The Existing Overhead Electrical Schematic for each feeder is included in
16		Appendix E to the First Biennial Plan and shows all overhead primary electrical wire
17		fuses, switches, transformers and ancillary equipment that will be removed. The
18		poles, which are also shown on Appendix E, will remain in place unless determined
19		by final field surveys to be eligible for removal.
20	Q38.	What, if any, overhead electrical cables, fuses, switches, transformers and
21		ancillary equipment, are to be left overhead?
22	A38.	Only overhead secondary lines and associated ancillary equipment and poles
23		will remain overhead. All overhead equipment associated with the primary lines that

1	are placed underground such as overhead fuses, switches, transformers and other
2	ancillary equipment associated with the primary lines, will be removed and placed
3	underground.

- Q39. Do DDOT and Pepco intend to bury lines or cables (other than power lines) that
 are located on the same poles as a feeder that is slated to be placed
 underground?
- A39. No. DDOT and Pepco do not intend to bury telecommunications or other lines that may be on the poles from which Pepco removes the primary or lateral line that will be placed underground.

Q40. Will the poles remain in place?

A40. In most cases DDOT and Pepco expect the poles to remain in place. DDOT and Pepco will only remove poles if they have only primary feeder cable on them. If poles support other lines, such as telecommunications lines or existing overhead secondary wires, then DDOT and Pepco will leave the poles in place. In order to decide whether to remove poles or leave them standing, DDOT and Pepco will perform field surveys and detailed engineering analyses. Once DDOT and Pepco complete their detailed construction designs, they will be able to determine exactly which poles will remain in place and which poles will be removed. DDOT and Pepco anticipate that the number of poles that will be removed once a feeder is placed underground will be minimal.

Q41. What is a parallel feeder?

Aparallel feeder is a feeder whose length (or some portion thereof) runs along the same route as a feeder selected to be placed underground as part of the DC PLUG

1		initiative. For the purposes of this initiative, a feeder may be considered parallel even
2		if only a small portion of its length runs along the same route as the feeder to be
3		placed underground. If appropriate, the portion of the parallel feeder(s) that shares
4		the route with a feeder selected for undergrounding will be placed underground at the
5		same time as the selected feeder is placed underground.
6	Q42.	Where in the First Biennial Plan do DDOT and Pepco identify overhead primary
7		and lateral feeders currently located parallel to the selected primary and lateral
8		feeders that are recommended to be placed underground, as required by Section
9		308(a)(3)(C) of the Undergrounding Act?
10	A42.	Parallel overhead primary and lateral feeders are listed in Appendix B, Feeder
11		Prioritization, shown in Feeder Locations and One-Line Drawings (Appendix D) and
12		included in the Preliminary Electrical Schematics (Appendix F).
13	Q43.	Using the Preliminary Electrical Schematic for Feeder 308 as an example, please
14		describe how overhead primary and lateral feeders currently located parallel to
15		the selected primary and lateral feeders that are recommended to be placed
16		underground are shown on the drawing.
17	A43.	On the Preliminary Electrical Schematics in Appendix F, the locations of
18		parallel feeders that are proposed to be placed underground are shown in callout
19		boxes adjacent to the primary mainline or lateral feeder recommended to be placed
20		underground. On the Preliminary Electrical Schematic for Feeder 308, for example,
21		Feeders 144 and 394 are shown as parallel feeders. By placing sections of parallel

feeders underground, DDOT and Pepco will provide additional reliability and

resilience benefits for customers on those parallel feeders. Accordingly, customers

22

23

1	who are served by feeders to which DC PLUG initiative feeders are tied will also
2	realize potential reliability and resilience benefits, even though their specific feeder is
3	not being placed underground.

4 Q44. Please explain what it means to "convert" a feeder.

A44.

In general, feeder conversion involves changing a feeder's voltage from 4kV to 13kV by replacing transformers and other ancillary equipment. Then, Pepco builds ties to neighboring 13kV feeders so that load can be transferred to the new 13kV feeder. In many cases, this new 13kV feeder becomes an extension of an existing 13kV feeder. Pepco's 13kV conversion program is intended to address increasing load demands, maintain reliability, replace aging infrastructure and provide for future demands so that they can be met under adverse conditions.

Under the First Biennial Plan, DDOT and Pepco will place Feeders 308 and 368 underground as 4kV primary network feeders because they are necessary to ensure the performance of the 4kV network. However, these feeders will be built to 13kV standards. Therefore, in the future if there is a need, Pepco will be able to convert them to 13kV at minimal cost.

Q45. Will overhead secondary feeder circuits and ancillary above-ground equipment, including poles, be placed underground or removed as part of the First Biennial Plan?

A45. All secondary feeder circuits and their ancillary equipment will remain overhead. As discussed above, all existing poles will remain in place unless field surveys and detailed engineering analysis determines a pole is eligible to be removed.

Q46. What is a padmount transformer?

A47.

A padmount transformer is an above-ground electric power distribution transformer in a locked steel cabinet mounted on a fiberglass or concrete pad. Since all energized connection points are securely enclosed in a grounded metal housing, a padmount transformer can be installed in places that do not have room for a fenced enclosure.

Q47. Will DDOT and Pepco be using any padmount transformers in the DC PLUG initiative?

To avoid placing additional above-ground structures in the public right of way, DDOT's and Pepco's preliminary electrical and civil designs do not include padmount transformers. Pursuant to a 2014 Stipulation among OPC, DDOT and Pepco,³ during the planning stages of the First Triennial Plan, DDOT and Pepco analyzed and identified potential locations for padmount transformers along Feeders 308 and 14261 and applied to the DDOT Public Space Committee for placement of those transformers in the public space. However, all applications were denied. As a result of that process and a 2016 Stipulation among Pepco, DDOT and OPC,⁴ DDOT and Pepco will not be including padmount transformers in District of Columbia in any future designs. For further discussion of the agreement between Pepco and OPC, please see the Application.

Joint Stipulation of the Office of the People's Counsel, Potomac Electric Power Company and the District Department of Transportation Resolving Recommendations 1-13 and 16-25 of the Protest of the Office of People's Counsel in Formal Case No. 1116, Formal Case No. 1116 (Sept. 15, 2014) ("2014 Stipulation").

Motion to Approve Joint Stipulation and Joint Stipulation of the Office of the People's Counsel, Potomac Electric Power Company and the District Department of Transportation regarding Consideration of Pad-Mounted Transformers for DC PLUG Initiative Feeders in Formal Case No. 1116, Formal Case No. 1116 (Mar. 8, 2016) ("2016 Stipulation").

Q48. Please describe Pepco's activities with regard to the installation of Distribution

Automation (DA)⁵ devices in its District of Columbia electric distribution

system.

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

A48.

Since DDOT and Pepco filed the First Triennial Plan, Pepco has been refining its strategy for installing DA devices on the underground system through its Underground Technology Enhancement Program ("UTEP"). Through UTEP, Pepco has identified an effective and feasible underground DA design that includes installing one mid-line interrupter and one automated feeder tie switch to adjacent feeders on the main trunk of each feeder chosen for DA installation. The mid-line interrupter allows for automatic isolation of customers in the event of a fault past the location of the interrupter so that customers located between the substation and the interrupter will not experience an outage. In the event a fault occurs between the substation circuit breaker and the mid-line interrupter, the automated tie switch allows restoration of service to customers between the interrupter and the end of the circuit. In this case, the customers between the interrupter and the end of the circuit will only experience a momentary interruption while the switching operation is performed remotely. For a detailed description of the status of Pepco's UTEP initiative, please see the "Incorporation of Innovative Methods and Advanced Technology" section of the First Biennial Plan.

Pepco's DA program involves installing advanced control systems across the distribution system in order to automatically identify and isolate faults in real time and restore service to customers in the impacted parts of the system.

1	Q49.	Will Pepco continue to evaluate the opportunities to install additional DA
2		devices in its District of Columbia electric distribution system?
3	A49.	Yes, DDOT and Pepco will continue to evaluate the potential to use proven,
4		cost-effective technologies, including DA, as contemplated by Section 308(a)(3)(F)
5		of the Undergrounding Act.
6	Q50.	Do any of the feeders selected for placement underground in the First Biennial
7		Plan currently have DA devices installed on them?
8	A50.	Yes, Feeders 14007, 15009 and 14900 each have DA devices installed on
9		them and are each part of an activated Automatic Sectionalizing and Reclosing (ASR)
10	je i	scheme. The final civil and electrical engineering designs for Feeders 14007, 15009
11		and 14900 will reflect DA devices and the corresponding civil infrastructure to house
12		and support them. Due to the unique constraints of installing DA devices on the
13		underground system (as opposed to the overhead system), these three feeders' DA
14		devices are not reflected in the preliminary civil and electrical schematics included
15		with the First Biennial Plan.
16	Q51.	Where in the First Biennial Plan does Pepco identify interties that will enable a
17		feeder to receive power from multiple directions or sources, as required by
18		Section 308(a)(3)(G) of the Undergrounding Act?
19	A51.	A depiction of the interties that will enable a feeder to receive power from
20		multiple directions or sources can be found in the Preliminary Electrical Schematics
21		(Appendix F). Additionally, a list of the intertie feeders for each feeder selected to be
22		placed underground is shown in Appendix B, Feeder Prioritization.

1	Q52.	Using the Preliminary Electrical Schematic for Feeder 14758 as an example,
2		please discuss how to identify interties that will enable the feeder to receive
3		power from multiple directions or sources.

A53.

A52. In the Preliminary Electrical Schematic for Feeder 14758, near the corner of Chesapeake Street, SW and South Capitol Street, SW, there is an indication of a tie between Feeders 14758 and 14755. This tie point, also referred to in the Undergrounding Act as an intertie, is identified in black font as follows "14758/14755 Tie-Point".

Q53. How is DC PLUG initiative work affected by Pepco priority feeder work?

The DC PLUG initiative is focused on improving electric distribution system resilience and reducing the number and frequency of outages during severe weather events by placing selected feeders underground, as discussed in Section 102(2) of the Undergrounding Act. The DC PLUG initiative identifies feeders to place underground based on a measurement of outage data over a seven-year period. Pepco's normal priority feeder work is intended to improve the overall reliability of the electric distribution system by selecting the least reliable two percent (2%) of the District of Columbia feeders on an annual basis and implementing the specific corrective actions that likely will improve the reliability of the feeders and, therefore, the system.

1	Q54.	Where in the First Biennial Plan do DDOT and Pepco discuss the capability to
2		meet current load and future load projections, as required by Section
3	,	308(a)(3)(H) of the Undergrounding Act?
4	A54.	Each Feeder Description Summary Sheet in Appendix C contains a table of
5		each feeder's capability to meet current load and future load projections. Also, there
6		is a discussion of the capability to meet future load projections in the "Interties,
7		Future Load and Feeder Conversion" section of the First Biennial Plan.
8		GENERAL FEEDER CONSTRUCTION TIMELINE
9	Q55.	How many years are covered under this First Biennial Plan?
10	A55.	The First Biennial Plan covers two calendar years. However, construction of
11		feeders may not coincide with the two-year period immediately following an approval
12		of the First Biennial Plan. Subsequent to the appropriate regulatory considerations,
13		the schedule and timeline described by the Undergrounding Act and procurement
14		timelines, construction on the inaugural feeder of the First Biennial Plan is estimated
15		to start in late 2018.
16	Q56.	When will DDOT and Pepco present a project timeline for the DC PLUG
17		initiative?
18	A56.	In accordance with Section 308(3)(b) of the Undergrounding Act, DDOT and
19		Pepco will file a project schedule that reflects the estimated start and projected end
20		dates for construction of each of the feeders selected to be placed underground in the
21		First Biennial Plan within 90 days following the approval of the First Biennial Plan.

1		PROJECTED COSTS AND ALTERNATIVE FUNDING SOURCES
2	Q57.	Where in the First Biennial Plan do DDOT and Pepco identify proposed Electric
3		Company Infrastructure Improvements and DDOT Underground Electric
4		Company Infrastructure Improvements that will be funded by the Underground
5		Project Charge and the DDOT Underground Electric Company Infrastructure
6		Improvement Charges, as required by Section 308(a)(3)(E) of the
7		Undergrounding Act?
8	A57.	A list of the improvements that will be funded by the Underground Project
9		Charge and DDOT Underground Electric Company Infrastructure Improvement
10		Charge can be found on the Feeder Description Summary Sheets for each feeder
11		(Appendix C). DDOT Witness Williams identifies the DDOT Charges and Company
12		Witness Janocha identifies the Underground Rider.
13	Q58.	Where in the First Biennial Plan does Pepco include an itemized estimate of the
14		projected Electric Company Infrastructure Improvement Costs, as required by
15		Section 308(c)(1) of the Undergrounding Act?
16	A58.	Appendix B-Feeder Prioritization-and Appendix C-Feeder Description
17		Summary Sheets—provide a summary of the First Biennial Plan's total estimated
18		costs for each feeder. Appendix H of the First Biennial Plan provides Itemized
19		Feeder Cost Estimates for each feeder. Company Witness Janocha identifies the
20		proposed Underground Project Charges required by Section 308(c)(1) of the
21		Undergrounding Act. DDOT Witness Williams identifies the DDOT Charges and
22		Company Witness Janocha discusses the Underground Rider.

1	Q59.	Where in the First Biennial Plan do DDOT and Pepco include an itemized
2		estimate of the DDOT Underground Electric Company Infrastructure
3		Improvement Costs associated with the DDOT Underground Electric Company
4		Infrastructure Improvement Activity, as required by Section 308(c)(2) of the
5		Undergrounding Act?
6	A59.	As previously discussed, Appendix H of the First Biennial Plan provides
7		Itemized Feeder Cost Estimates for each feeder. Further cost detail is provided in the
8		confidential workpapers filed with the First Biennial Plan.
9	Q60.	Are the projected costs associated with the proposed Electric Company
10		Infrastructure Improvement Activity prudent?
11	A60.	Yes, the costs are prudent because they include all costs necessary to perform
12		the projects and work that are included in the Electric Company Infrastructure
13		Improvement Activity pursuant to the Undergrounding Act, and these costs will be
14		incurred by Pepco in a cost-effective manner to promote an efficient use of customer
15		funds.
16	Q61.	Are alternate sources of funds available for relocation of the overhead
17		equipment and ancillary facilities that will utilize DDOT Underground Electric
18		Company Infrastructure Improvements, such as Contributions in Aid of
19		Construction, the grant of federal highway or economic development funds or
20		other sources?
21	A61.	No available alternate funding sources for the relocation of the overhead
22		equipment and ancillary facilities have been identified at this time.

1 2		EMPLOYMENT OF DISTRICT OF COLUMBIA RESIDENTS AND CONTRACTORS
3	Q62.	Please discuss the requirements of the Undergrounding Act with respect to the
4		engagement of District of Columbia residents and businesses.
5	A62.	Section 102(7) of the Undergrounding Act states that the Mayor (through
6		DDOT) and Pepco should make every practical effort to ensure that District residents
7		are hired for newly created jobs funded by any mechanism wherein the costs of such
8		funding are paid by the District from the DDOT Charges or recovered by Pepco
9		through the Underground Project Charge, with a goal being that at least 100% of all
10		related jobs are filled by District of Columbia residents and 100% of the construction
11	ŧ	contracts are awarded to District of Columbia businesses, where qualified to perform
12		such work. To that end, a description of the efforts taken to identify District of
13		Columbia residents DDOT and Pepco contractors can employ during this initiative
14		can be found in the "Focus on District of Columbia Businesses and Residents"
15		section of the First Biennial Plan.
16	Q63.	Please briefly discuss the plan to identify District of Columbia residents and
17		businesses.
18	A63.	DDOT Witness Williams will discuss DDOT's activities within its
19		organization. The following are the actions that Pepco or Pepco and DDOT intend to
20		take to identify District of Columbia residents and businesses.
21		First, Pepco will determine its hiring and contracting needs. The direct hiring
22		opportunities may include journey electrical workers, electrical apprentices, skilled
23		laborers and engineers. Pepco will make every practical effort to identify and hire
24		qualified local residents for all of these positions.

Second, Pepco will identify employment and contracting opportunities. The	ese
opportunities may include the installation of cable and other electrical equipment a	ınd
engineering design.	

A64.

Third, Pepco will identify local qualified candidates for opportunities. To that end, DDOT and Pepco have jointly hosted forums for contractors during the planning stages of the First Triennial Plan, during which DDOT and Pepco familiarized contractors with the DC PLUG initiative, the work that would be required, the Pepco procurement process, and explained how to register as an approved Pepco supplier or Certified Business Enterprise in the District of Columbia. Pepco also used that opportunity to underscore the District of Columbia-focused goal prescribed by the Undergrounding Act. DDOT and Pepco will continue this work during the First Biennial Plan.

Fourth, Pepco will provide training and internships to prepare additional local candidates to be qualified. To this end, Pepco will also work with local universities to recruit interns for engineering and other roles.

Fifth, DDOT and Pepco will retain a consultant to track and report on local hiring and contracting throughout the course of the DC PLUG initiative.

Q64. Please discuss Pepco's efforts to engage District of Columbia businesses.

Although not specified in the Original Act or the Undergrounding Act, Pepco has created a Capability & Capacity Building ("C&C") Program to expand and develop the pool of qualified CBE construction contractors. Pepco's C&C Program creates opportunities for CBE firms to become qualified by setting up and awarding discrete work packages for existing feeders that are similar to the type of work that

1		contractors perform on DC PLUG initiative projects. Through this innovative
2		program, Pepco provides CBE construction contractors the opportunity to
3		demonstrate their capability and capacity to perform work in accordance with Pepco
4		standards on existing Pepco projects and become qualified to bid on and perform DC
5		PLUG initiative construction projects as well as normal Pepco projects.
6		Additionally, although Section 102(7) of the Undergrounding Act specifically
7		applies to construction contracts awarded to District of Columbia businesses, DDOT
8		and Pepco will make every effort to procure materials from and award engineering
9		design contracts to District of Columbia businesses for DC PLUG initiative work,
10		where District of Columbia businesses are qualified to perform such work.
11	Q65.	Does the First Biennial Plan satisfy the requirements of Section 308 of the
12		Undergrounding Act as required pursuant to section 310(b)(1) of the
12 13		Undergrounding Act as required pursuant to section 310(b)(1) of the Undergrounding Act?
	A65.	
13	A65.	Undergrounding Act?
13 14	A65.	Undergrounding Act? Yes, for the reasons discussed above and in the testimonies of Company
13 14 15	A65.	Undergrounding Act? Yes, for the reasons discussed above and in the testimonies of Company Witnesses McGowan, Janocha and McCabe and DDOT Witness Williams as well as
13141516	A65. Q66.	Undergrounding Act? Yes, for the reasons discussed above and in the testimonies of Company Witnesses McGowan, Janocha and McCabe and DDOT Witness Williams as well as in the First Biennial Plan, DDOT and Pepco have satisfied the requirements of
1314151617		Undergrounding Act? Yes, for the reasons discussed above and in the testimonies of Company Witnesses McGowan, Janocha and McCabe and DDOT Witness Williams as well as in the First Biennial Plan, DDOT and Pepco have satisfied the requirements of Section 308 of the Undergrounding Act.
13 14 15 16 17		Yes, for the reasons discussed above and in the testimonies of Company Witnesses McGowan, Janocha and McCabe and DDOT Witness Williams as well as in the First Biennial Plan, DDOT and Pepco have satisfied the requirements of Section 308 of the Undergrounding Act. Should the Commission approve the First Biennial Plan as jointly submitted by
13 14 15 16 17 18	Q66.	Undergrounding Act? Yes, for the reasons discussed above and in the testimonies of Company Witnesses McGowan, Janocha and McCabe and DDOT Witness Williams as well as in the First Biennial Plan, DDOT and Pepco have satisfied the requirements of Section 308 of the Undergrounding Act. Should the Commission approve the First Biennial Plan as jointly submitted by DDOT and Pepco?

VERIFICATION

Washington, D.C.)
-) ss:
)

Bryan Clark, being first duly sworn, deposes and says that he is the Director of Engineering for Pepco Holdings LLC, he has read the foregoing Direct Testimony and associated exhibits, he has knowledge of the matters set forth therein, and the statements therein are true and correct to the best of his information, knowledge and belief.

Bryan Clark

Notary Public

Subscribed and sworn to before me this 29

District of Columbia: SS

Subscribed and Sworn to before me,

day of June, 2017.

tins Zon day of U

My, commission expires

B. L. CLARK
Direct Exhibit
DC P.S.C. -- July, 2017
Introduced as:

Introduced as: PEPCO _____ (B) - 1

													1 epc0 (E) 1			
DC FEEDEI	R UNDERG	ROUNDING R	RANKING MODE	L			Cu	stomers ¹		Filtere	d Data Ir	mpacts	CI	CMI	Avg	
for Under	grounding	each feeder's	s main and late	rals				Resi-	Com-	(Syste	em Redu	ctions)▶	56.1%	55.7%	55.9%	
for Outag	ges Jan'10	thru Dec'16	UG Cost	t/Feeder	vos	To	otal	dential ·	mercial	Impact Scenarios (A			eraged Rankings, Asc)			
System	n Totals:▶	453	\$2,917,	\$2,917,290,278		355,289		256,088	25,124	SAIDI,	SAIDI,	SAIDI,			T T	
		41%	100.0%		100.0%	58.1%		58.7%	46.7%	SAIFI,	SAIFI,	SAIFI,	SAIFI,	SAIDI,	CI/\$	
	Totals: ▶	187	\$2,917,	290,278	\$21,596,074	206,463		150,298	11,744	CMI/\$	CMI	CI/\$	CI	SAIFI	CMI/\$	
Rank	Ward	Feeder	\$	Cum	\$	n	Cum	n	n	n	n	n	. n	n	n	
1	4	14890	\$10,956,124	\$10,956,124	\$180,478	1,755	1,755	824	18	5.0	5.0	5.7	8.7	6.5	3.0	
2	7	15707	\$42,485,794	\$53,441,918		3,101	4,856	2,790	188	6.0	4.0	6.3	4.0	5.5	7.5	
3	3	308	\$17,912,449	\$71,354,367	\$146,032	595	5,451	547	13	6.0	6.0	19.0	19.0	5.0	27.5	
4	8	14758	\$27,010,505	\$98,364,873	\$311,981	2,165	7,616	2,003	162	14.0	11.7	10.7	9.7	13.0	11.0	
5	7	15705	\$38,213,653	\$136,578,525	\$336,583	2,151	9,767	1,945	190	16.0	10.0	12.7	9.7	12.5	18.0	
6	3	14767	\$46,022,775	\$182,601,300	\$373,601	1,044	10,811	936	60	18.0	8.3	24.3	10.7	7.0	49.5	
7	8	15166	\$29,304,465	\$211,905,766		2,277	13,088	2,092	185	18.3	14.7	17.7	14.3	18.5	17.0	
8	5	14007	\$29,326,455	\$241,232,221	\$350,141	1,624	14,712	1,177	45	18.3	16.0	23.0	18.3	18.0	26.0	
9	4	15009	\$29,554,377	\$270,786,599	\$498,619	1,406	16,118	1,324	82	18.7	16.7	16.3	13.3	14.0	24.5	
10	4	467	\$11,384,955	\$282,171,554		431	16,549	416	13	20.3	25.7	43.3	45.3	26.0	43.5	
11	5	14014	\$41,775,262	\$323,946,816	\$333,784	2,055	18,604	1,872	181	22.3	15.7	17.0	12.7	16.5	26.0	
12	7	14702	\$31,197,751	\$355,144,567	\$598,726	1,096	19,700	929	96	22.3	16.7	18.0	13.7	12.0	36.5	
13	3	75	\$9,520,725	\$364,665,293	\$59,552	364	20,064	319	11	22.7	32.0	43.0	47.0	27.0	44.5	
14	5	14093	\$31,060,437	\$395,725,730	\$431,033	1,346	21,410	799	116	23.0	20.3	30.3	24.7	21.0	38.0	
15	4	15001	\$33,889,294	\$429,615,023	\$705,424	1,341	22,751	1,216	106	25.0	21.0	35.0	27.0	22.5	45.0	
16	4	14900	\$42,241,262	\$471,856,285	\$115,073	1,371	24,122	1,324	23	26.3	16.0	29.3	18.0	15.5	52.5	
17	3	14766	\$18,696,597	\$490,552,882	\$365,172	731	24,853	661	61	26.7	28.3	38.7	34.7	25.5	47.0	
18	7	368	\$15,325,651	\$505,878,533	\$168,293	697	25,550	597	47	27.3	31.7	33.7	33.7	25.0	41.5	
19	4	482	\$4,485,272	\$510,363,805	\$21,466	526	26,076	156	7	29.0	45.7	31.3	47.0	37.5	15.5	
20	3	394	\$13,606,493	\$523,970,298	\$28,431	297	26,373	289	4	29.0	31.3	45.3	42.7	20.0	71.5	
21	3	15801	\$50,188,791	\$574,159,089	\$207,942	2,688	29,061	939	69	30.7	23.0	39.3	26.7	33.0	39.0	
22	4	14896	\$27,924,040	\$602,083,129	\$98,642	1,342	30,403	948	24	30.7	27.3	33.0	28.7	27.5	40.5	
23	5	14008	\$20,586,220	\$622,669,349	\$616,600	1,055	31,458	923	113	32.0	29.3	24.7	26.0	25.5	34.0	
24	4	15264	\$30,948,406	\$653,617,755	\$219,131	1,653	33,111	1,596	57	32.7	28.3	52.3	43.0	40.5	46.5	
25	4	15199	\$34,119,988	\$687,737,744	\$998,059	1,991	35,102	1,726	216	33.3	27.0	27.7	22.0	29.0	33.5	
26	5	14200	\$16,020,368	\$703,758,111	\$272,997	2,669	37,771	1,354	81	34.7	37.3	32.7	33.3	45.5	10.0	
27	3	144	\$14,782,994	\$718,541,106	\$16,528	276	38,047	271	3	35.0	36.7	61.3	54.7	29.5	85.5	
28	3	14136	\$6,553,892	\$725,094,997	\$206,837	3,226	41,273	914	78	35.7	37.7	35.0	38.0	51.5	3.0	
29	3	65	\$18,633,229	\$743,728,227	\$153,944	526	41,799	484	28	35.7	34.3	49.0	43.0	28.5	70.0	
30	4	15021	\$31,251,043	\$774,979,270	\$277,969	2,120	43,919	2,023	97	36.7	33.7	42.3	36.3	42.5	33.5	
31	7	14717	\$44,224,432	\$819,203,702	\$158,735	4,335	48,254	2,363	146	39.7	32.3	31.7	28.7	42.0	23.0	
32	4	490	\$6,224,902	\$825,428,604	\$241,347	632	48,886	528	60	40.0	56.3	33.7	45.3	43.5	23.5	
33	5	14009	\$11,654,765	\$837,083,369	\$108,551	1,645	50,531	1,505	140	40.3	47.0	37.0	43.7	50.5	15.0	
34	3	14768	\$25,667,832	\$862,751,201	\$647,553	1,463	51,994	1,163	116	40.3	37.7	45.0	41.0	42.5	43.0	
35	2	15943	\$23,181,492	\$885,932,693	\$126,570	2,047	54,041	1,917	68	42.0	42.0	54.7	51.0	55.5	34.0	
36	6	15701	\$14,244,101	\$900,176,794	\$617,352	3,215	57,256	2,870	345	43.0	43.0	46.0	50.3	61.5	10.5	
37	7	15170	\$18,776,006	\$918,952,800		1,646	58,902	1,529	117	43.0	45.0	46.3	48.0	52.5	29.0	
38	4	485	\$1,212,051	\$920,164,852	\$4,714	727	59,629	50	1	43.3	63.7	42.0	63.3	62.5	3.0	

DC FEEDE	C FEEDER UNDERGROUNDING RANKING MODEL							Im	pacts by	feeder (s	ort Des	sc)			
for Under	rgrounding	each feeder's	s main and late	rals		\$\$		SAIFI			SAIDI	•		CAIDI	
for Outa	ges Jan'10	thru Dec'16	UG Cos	t/Feeder	CMI/\$	CI/\$	System	ОН	New ²	System	ОН	New ²	System	OH	New ²
Syster	m Totals: ▶	453	\$2,917,290,278		na	na	0.8	0.5	0.3	268	174	94	329	363	281
	d Impact ▶	41%	100.0%		na	na	na	na	na	na	na	na	na	na	na
Selecte	d Totals:▶	187	\$2,917	,290,278	0.018	0.00006	1.1	0.8	0.4	373	257	116	326	326	324
Rank	Ward	Feeder	\$	Cum	n	n	n	n	n	n	n	n	n	n	n
1	4	14890	\$10,956,124	\$10,956,124	0.298	0.000283	1.9	1.8	0.1	1877	1862	15	989.6	1,055.0	111.7
2	7	15707	\$42,485,794	\$53,441,918	0.082	0.000179	3.4	2.5	1.0	1191	1128	63	349.3	458.9	66.3
3	3	308	\$17,912,449	\$71,354,367	0.065	0.000066	2.9	2.0	0.9	2091	1956	136	728.1	982.0	154.1
4	8	14758	\$27,010,505	\$98,364,873	0.042	0.000234	3.3	2.9	0.3	553	524	29	169.2	179.4	83.7
5	7	15705	\$38,213,653	\$136,578,525	0.032	0.000153	3.9	2.7	1.2	830	570	260	213.9	210.1	222.7
6	3	14767	\$46,022,775	\$182,601,300	0.024	0.000052	2.5	2.3	0.2	1119	1043	76	452.3	458.7	379.5
7	8	15166	\$29,304,465	\$211,905,766	0.040	0.000145	2.1	1.9	0.3	551	520	31	259.6	278.4	122.1
8	5	14007	\$29,326,455	\$241,232,221	0.037	0.000079	1.9	1.4	0.5	1093	666	427	580.9	468.6	927.6
9	4	15009	\$29,554,377	\$270,786,599	0.027	0.000105	2.5	2.2	0.3	616	573	44	243.5	258.2	139.2
10	4	467	\$11,384,955	\$282,171,554	0.063	0.000037	1.0	1.0	0.0	1671	1658	13	1,629.4	1,691.5	287.9
11	5	14014	\$41,775,262	\$323,946,816	0.025	0.000139	3.2	2.8	0.4	524	503	22	162.4	178.1	53.2
12	7	14702	\$31,197,751	\$355,144,567	0.022	0.000081	2.8	2.3	0.5	776	632	144	279.1	273.0	309.4
13	3	75	\$9,520,725	\$364,665,293	0.044	0.000038	2.4	1.0	1.4	1364	1143	222	569.8	1,161.2	157.2
14	5	14093	\$31,060,437	\$395,725,730	0.027	0.000060	1.4	1.4	0.0.	658	634	24	462.6	456.2	730.6
15	4	15001	\$33,889,294	\$429,615,023	0.026	0.000050	1.9	1.3	0.6	903	658	244	486.2	525.8	404.1
16	4	14900	\$42,241,262	\$471,856,285	0.021	0.000053	2.5	1.6	0.9	699	653	46	280.6	397.8	54.5
17	3	14766	\$18,696,597	\$490,552,882	0.026	0.000044	1.5	1.1	0.3	1273	678	595	861.5	601.2	1,701.1
18	7	368	\$15,325,651	\$505,878,533	0.026	0.000060	1.4	1.3	0.1	573	568	5	405.0	430.8	56.2
19	4	482	\$4,485,272	\$510,363,805	0.054	0.000129	2.0	1.1	0.9	882	465	417	446.0	422.5	475.6
20	3	394	\$13,606,493	\$523,970,298	0.021	0.000026	1.8	1.2	0.6	1100	977	123	598.5	819.5	190.6
21	3	15801	\$50,188,791	\$574,159,089	0.027	0.000059	1.7	1.1	0.6	631	513	118	376.0	463.6	206.4
22	4	14896	\$27,924,040	\$602,083,129	0.024	0.000068	1.6	1.4	0.2	657	499	158	412.9	354.0	866.9
23	5	14008	\$20,586,220	\$622,669,349	0.022	0.000104	2.8	2.0	0.7	694	423	271	251.3	208.1	372.1
24	4	15264	\$30,948,406	\$653,617,755	0.041	0.000037	0.8	0.7	0.1	777	772	5	1,019.1	1,103.2	74.7
25	4	15199	\$34,119,988	\$687,737,744	0.023	0.000101	2.2	1.7	0.5	874	386	488	391.2	224.3	952.5
26	5	14200	\$16,020,368	\$703,758,111	0.052	0.000204	1.7	1.2	0.5	622	309	313	358.8	252.0	617.4
27	3	144	\$14,782,994	\$718,541,106	0.022	0.000017	2.0	0.9	1.1	1426	1159	267	720.5	1,294.0	246.4
28	3	14136	\$6,553,892	\$725,094,997	0.171	0.000482	2.0	1.0	1.0	478	348	130	243.7	355.5	132.4
30	3	65	\$18,633,229	\$743,728,227	0.021	0.000029	1.5	1.0	0.5	795	728	68	539.3	711.9	149.4
	4	15021	\$31,251,043	\$774,979,270	0.029	0.000070	1.3	1.0	0.3	457	429	28	340.4	415.4	91.5
31	7	14717	\$44,224,432	\$819,203,702	0.024	0.000158	2.1	1.6	0.4	329	248	80	159.2	153.6	179.5
32	5	490	\$6,224,902	\$825,428,604	0.025		2.1	1.5	0.6	845	248	597	405.1	165.7	1,013.4
34	3	14009	\$11,654,765	\$837,083,369	0.036		1.6	1.2	0.4	298	255	43	191.1	214.9	115.9
35	2	14768 15943	\$25,667,832	\$862,751,201		0.000060	1.4	1.1	0.4	748	422	326	522.4	400.5	861.0
36	6		\$23,181,492	\$885,932,693		0.000058	2.3	0.7	1.7	1096	491	606	472.0	746.4	363.7
37	7	15701	\$14,244,101	\$900,176,794		0.000150	1.4	0.7	0.7	444	379	66	315.2	568.0	88.2
38	4	15170	\$18,776,006	\$918,952,800		0.000078	1.8	0.9	0.9	447	356	92	255.1	398.6	106.5
38	4	485	\$1,212,051	\$920,164,852	0.167	0.000494	1.2	0.8	0.4	644	279	365	514.9	338.9	854.7

			main and late	rals			Customer	Interrupti	ons (CI)				
for Out	ages Jan'10	thru Dec'16	UG Cos	t/Feeder	System	(ЭН	UG CI impacts on:					
	m Totals: ▶	453	\$2,917	290,278	289,360	170	,471	Total	System		only		
Selecte	ed Impact ►	41%	100	0.0%	81.7%	95.3%			401				
	ed Totals:►	187		290,278	236,432		,387	56	.1%	95	.3%		
Rank	Ward	Feeder	\$	Cum	n	n	Cum	%	Cum	%	Cum		
1	4	14890		\$10,956,124	\$10,956,124	3,328	3,097.9	3,098	1.07%	1.07%	1.82%	1.829	
2	7	15707	\$42,485,794	\$53,441,918	10,574	7,623.0	10,721	2.63%	3.71%	4.47%	6.299		
3	3	308	\$17,912,449	\$71,354,367	1,709	1,184.9	11,906	0.41%	4.11%	0.70%	6.989		
4	8	14758	\$27,010,505	\$98,364,873	7,074	6,319.1	18,225	2.18%	6.30%	3.71%	10.699		
5	7	15705	\$38,213,653	\$136,578,525	8,347	5,837.3	24,062	2.02%	8.32%	3.42%	14.129		
6	3	14767	\$46,022,775	\$182,601,300	2,584	2,373.9	26,436	0.82%	9.14%	1.39%	15.519		
7	8	15166	\$29,304,465	\$211,905,766	4,835	4,255.4	30,691	1.47%	10.61%	2.50%	18.009		
8	5	14007	\$29,326,455	\$241,232,221	3,057	2,309.1	33,001	0.80%	11.40%	1.35%	19.369		
9	4	15009	\$29,554,377	\$270,786,599	3,557	3,117.4	36,118	1.08%	12.48%	1.83%	21.199		
10	4	467	\$11,384,955	\$282,171,554	442	422.6	36,541	0.15%	12.63%	0.25%	21.449		
11	5	14014	\$41,775,262	\$323,946,816	6,637	5,802.3	42,343	2.01%	14.63%	3.40%	24.849		
12	7	14702	\$31,197,751	\$355,144,567	3,047	2,536.7	44,880	0.88%	15.51%	1.49%	26.339		
13	3	75	\$9,520,725	\$364,665,293	871	358.1			15.63%	0.21%	26.549		
14	5	14093	\$31,060,437	\$395,725,730	1,915	1,870.4	47,108	0.65%	16.28%	1.10%	27.639		
15	4	15001	\$33,889,294	\$429,615,023	2,490	1,678.6	48,787	0.58%	16.86%	0.98%	28.629		
16	4	14900	\$42,241,262	\$471,856,285	3,416	2,249.7	51,036	0.78%	17.64%	1.32%	29.949		
17	3	14766	\$18,696,597	\$490,552,882	1,080	824.1	51,861	0.28%	17.92%	0.48%	30.429		
18	7	368	\$15,325,651	\$505,878,533	986	918.6	52,779	0.32%	18.24%	0.54%	30.969		
19	4	482	\$4,485,272	\$510,363,805	1,040	578.6	53,358	0.20%	18.44%	0.34%	31.309		
20	3	394	\$13,606,493	\$523,970,298	546	354.1	53,712	0.12%	18.56%	0.21%	31.519		
21	3	15801	\$50,188,791	\$574,159,089	4,512	2,974.1	56,686	1.03%	19.59%	1.74%	33.25%		
22	4	14896	\$27,924,040	\$602,083,129	2,137	1,892.0	58,578	0.65%	20.24%	1.11%	34.369		
23	5	14008	\$20,586,220	\$622,669,349	2,913	2,145.3	60,723	0.74%	20.99%	1.26%	35.629		
24	4	15264	\$30,948,406	\$653,617,755	1,260	1,157.1	61,880	0.40%	21.39%	0.68%	36.309		
25	4	15199	\$34,119,988	\$687,737,744	4,450	3,430.0	65,310	1.19%	22.57%	2.01%	38.319		
26	5	14200	\$16,020,368	\$703,758,111	4,629	3,275.0	68,585	1.13%	23.70%	1.92%	40.239		
27	3	144	\$14,782,994	\$718,541,106	546	247.1	68,833	0.09%	23.79%	0.14%	40.389		
- 28	3	14136	\$6,553,892	\$725,094,997	6,326	3,157.0	71,989	1.09%	24.88%	1.85%	42.239		
29	3	65	\$18,633,229	\$743,728,227	776	537.7	72,527	0.19%	25.06%	0.32%	42.559		
30	4	15021	\$31,251,043	\$774,979,270	2,847	2,187.4	74,715	0.76%	25.82%	1.28%	43.839		
31	7	14717	\$44,224,432	\$819,203,702	8,945	7,009.3	81,724	2.42%	28.24%	4.11%	47.949		
32	4	490	\$6,224,902	\$825,428,604	1,318	945.7	82,670	0.33%	28.57%	0.55%	48.499		
33	5	14009	\$11,654,765	\$837,083,369	2,565	1,948.9	84,618	0.67%	29.24%	1.14%	49.649		
34	3	14768	\$25,667,832	\$862,751,201	2,095	1,540.6	86,159	0.53%	29.78%	0.90%	50.549		
35	2	15943	\$23,181,492	\$885,932,693	4,754	1,345.6	87,505	0.47%	30.24%	0.79%	51.339		
36	6	15701	\$14,244,101	\$900,176,794	4,530	2,143.0	89,648	0.74%	30.98%	1.26%	52.59%		
37	7	15170	\$18,776,006	\$918,952,800	2,887	1,468.6	91,116	0.51%	31.49%	0.86%	53.45%		
38	4	485	\$1,212,051	\$920,164,852	909	598.6	91,715	0.21%	31.70%	0.35%	53.809		

			RANKING MODI s main and late			Custom	n Minutes /		(Ches)				
	ages Jan'10			rais t/Feeder	System	Custome		terruption (CMI) UG CMI impacts on					
	m Totals: ▶	453		290,278	95,241,526	61,83		Total S		OH			
	d Impact ▶	41%		0.0%	80.8%			Total 3	ystem	Ont	Jilly		
	ed Totals: ▶	187		290,278	76,971,293	85. 53,01	55.	7%	85.	7%			
Rank	Ward	Feeder	\$	Cum	n	n 33,01		%	Cum	%	Cum		
1	4	14890	\$10,956,124	\$10,956,124	3,293,860	3,268,116	3,268,116	3.43%	3.43%		5.299		
2	7	15707	\$42,485,794	\$53,441,918	3,693,521	3,497,832	6,765,949	3.67%	7.10%		10.949		
3	3	308	\$17,912,449	\$71,354,367	1,244,346	1,163,536	7,929,484	1.22%	8.33%		12.829		
4	8	14758	\$27,010,505	\$98,364,873	1,196,843	1,133,626	9,063,110	1.19%	9.52%		14.669		
5	7	15705	\$38,213,653	\$136,578,525	1,785,177	1,226,340	10,289,451	1.29%	10.80%	1.98%	16.649		
6	3	14767	\$46,022,775	\$182,601,300	1,168,645	1,089,003	11,378,454	1.14%	11.95%		18.409		
7	8	15166	\$29,304,465	\$211,905,766	1,255,393	1,184,576	12,563,030	1.24%	13.19%		20.329		
8	5	14007	\$29,326,455	\$241,232,221	1,775,611	1,082,158	13,645,188	1.14%	14.33%	1.75%	22.079		
9	4	15009	\$29,554,377	\$270,786,599	866,186	805,019	14,450,207	0.85%	15.17%	1.30%	23.379		
10	4	467	\$11,384,955	\$282,171,554	720,414	714,780	15,164,987	0.75%	15.92%	1.16%	24.539		
11	5	14014	\$41,775,262	\$323,946,816	1,077,794	1,033,365	16,198,352	1.08%	17.01%	1.67%	26.209		
12	7	14702	\$31,197,751	\$355,144,567	850,186	692,399	16,890,751	0.73%	17.73%	1.12%	27.329		
13	3	75	\$9,520,725	\$364,665,293	496,574	415,889	17,306,640	0.44%	18.17%	0.67%	27.999		
14	5	14093	\$31,060,437	\$395,725,730	886,084	853,310	18,159,950	0.90%	19.07%	1.38%	29.379		
15	4	15001	\$33,889,294	\$429,615,023	1,210,387	882,621	19,042,571	0.93%	19.99%	1.43%	30.80%		
16	4	14900	\$42,241,262	\$471,856,285	958,497	894,922			20.93%		32.259		
17	3	14766	\$18,696,597	\$490,552,882	930,204	495,450	20,432,943	0.94% 0.52%	21.45%		33.059		
18	7	368	\$15,325,651	\$505,878,533	399,479	395,675	20,828,618	0.42%	21.87%		33.69%		
19	4	482	\$4,485,272	\$510,363,805	463,805	244,440	21,073,058	0.26%	22.13%		34.089		
20	3	394	\$13,606,493	\$523,970,298	326,783	290,215	21,363,273	0.30%	22.43%		34.55%		
21	3	15801	\$50,188,791	\$574,159,089	1,696,245	1,378,922	22,742,195	1.45%	23.88%	2.23%	36.789		
22	4	14896	\$27,924,040	\$602,083,129	882,330	669,826	23,412,021	0.70%	24.58%	1.08%	37.869		
23	5	14008	\$20,586,220	\$622,669,349	732,091	446,328	23,858,348	0.47%	25.05%	0.72%	38.59%		
24	4	15264	\$30,948,406	\$653,617,755	1,284,231	1,276,538	25,134,886	1.34%	26.39%	2.06%	40.659		
25	4	15199	\$34,119,988	\$687,737,744	1,740,754	769,500	25,904,386	0.81%	27.20%	1.24%	41.90%		
26	5	14200	\$16,020,368	\$703,758,111	1,660,960	825,285	26,729,671	0.87%	28.07%	1.33%	43.23%		
27	3	144	\$14,782,994	\$718,541,106	393,470	319,805	27,049,475	0.34%	28.40%	0.52%	43.75%		
28	3	14136	\$6,553,892	\$725,094,997	1,541,871	1,122,310	28,171,786	1.18%	29.58%	1.82%	45.569		
29	3	65	\$18,633,229	\$743,728,227	418,359	382,797	28,554,583	0.40%	29.98%	0.62%	46.189		
30	4	15021	\$31,251,043	\$774,979,270	968,944	908,642	29,463,225	0.95%	30.94%	1.47%	47.659		
31	7	14717	\$44,224,432	\$819,203,702	1,424,266	1,076,802	30,540,027	1.13%	32.07%	1.74%	49.399		
32	4	490	\$6,224,902	\$825,428,604	533,939	156,675	30,696,702	0.16%	32.23%	0.25%	49.659		
33	5	14009	\$11,654,765	\$837,083,369	490,274	418,850	31,115,552	0.44%	32.67%	0.68%	50.329		
34	3	14768	\$25,667,832	\$862,751,201	1,094,604	616,989	31,732,541	0.65%	33.32%	1.00%	51.329		
35	2	15943	\$23,181,492	\$885,932,693	2,244,283	1,004,333	32,736,874	1.05%	34.37%	1.62%	52.959		
36	6	15701	\$14,244,101	\$900,176,794	1,427,912	1,217,294	33,954,168	1.28%	35.65%	1.97%	54.919		
37	7	15170	\$18,776,006	\$918,952,800	736,493	585,416	34,539,584	0.61%	36.27%	0.95%	55.86%		
38	4	485	\$1,212,051	\$920,164,852	467,916	202,844	34,742,429	0.21%	36.48%	0.33%	56.19%		

IDC FEEDER UNDERGROUNDING KANKING MODEL	Costs ³											
	osts											
for Undergrounding each feeder's main and laterals												
for Outages Jan'10 thru Dec'16 UG Cost/Feeder Main Prim	nary Primary											
System Totals: ► 453 \$2,917,290,278 Main Line Line Late	eral Laterals Overhead											
Selected Impact ► 41% 100.0% Main line Transformers Risers Cab	oles Transformers line removal Permits											
Selected Totals: ▶ 187 \$2,917,290,278 \$1,495,610,400 \$272,609,000 \$0 \$858,44												
Rank Ward Feeder \$ Cum \$ \$ \$												
	7,893 \$316,379 \$116,381 \$57,394											
2 7 15707 \$42,485,794 \$53,441,918 \$19,971,309 \$5,624,958 \$0 \$11,36												
3 308 \$17,912,449 \$71,354,367 \$9,017,612 \$1,553,079 \$0 \$5,87	74,912 \$1,195,729 \$181,574 \$89,544											
4 8 14758 \$27,010,505 \$98,364,873 \$19,564,899 \$2,744,631 \$0 \$3,22	28,803 \$614,644 \$574,306 \$283,222											
5 7 15705 \$38,213,653 \$136,578,525 \$14,098,934 \$3,198,222 \$0 \$14,94												
6 3 14767 \$46,022,775 \$182,601,300 \$15,551,849 \$2,655,734 \$0 \$22,16												
7 8 15166 \$29,304,465 \$211,905,766 \$16,454,962 \$2,456,619 \$0 \$7,95	51,586 \$1,593,975 \$567,471 \$279,852											
8 5 14007 \$29,326,455 \$241,232,221 \$12,785,543 \$2,769,310 \$0 \$10,17												
9 4 15009 \$29,554,377 \$270,786,599 \$9,966,742 \$2,282,200 \$0 \$12,60												
	14,054 \$592,710 \$145,053 \$71,534											
11 5 14014 \$41,775,262 \$323,946,816 \$17,456,731 \$4,295,808 \$0 \$14,26												
40 7 4.555 4.555	0,069 \$1,174,108 \$574,508 \$283,322											
12 2 75 40 750 40	52,108 \$292,279 \$126,385 \$62,328											
44 5 44000 404 000 100	53,911 \$2,013,467 \$487,046 \$240,190											
15 4 15001 \$33,889,294 \$429,615,023 \$10,692,066 \$2,535,029 \$0 \$15,21												
16 4 14900 \$42,241,262 \$471,856,285 \$15,778,266 \$2,234,116 \$0 \$19,98												
	77,363 \$2,354,455 \$157,874 \$77,856											
	34,556 \$519,034 \$271,433 \$133,859											
40	2,588 \$11,685 \$100,441 \$49,533											
	4,746 \$328,962 \$189,435 \$93,421											
21 3 15801 \$50,188,791 \$574,159,089 \$21,024,465 \$2,792,697 \$0 \$22,04	**************************************											
22 4 14896 \$27,924,040 \$602,083,129 \$9,595,068 \$682,734 \$0 \$15,66												
23 5 14008 \$20,586,220 \$622,669,349 \$9,577,688 \$3,264,097 \$0 \$4,85												
24 4 15264 \$30,948,406 \$653,617,755 \$15,535,519 \$1,225,136 \$0 \$12,16												
25 4 15199 \$34,119,988 \$687,737,744 \$6,308,500 \$961,832 \$0 \$21,31												
26 5 14200 \$16,020,368 \$703,758,111 \$9,419,344 \$2,001,847 \$0 \$3,19	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1											
27 3 144 \$14,782,994 \$718,541,106 \$7,535,274 \$1,164,222 \$0 \$4,87												
28 3 14136 \$6,553,892 \$725,094,997 \$3,523,470 \$1,117,391 \$0 \$1,26												
29 3 65 \$18,633,229 \$743,728,227 \$11,754,348 \$1,582,439 \$0 \$4,23												
30 4 15021 \$31,251,043 \$774,979,270 \$10,298,400 \$2,705,313 \$0 \$13,10												
31 7 14717 \$44,224,432 \$819,203,702 \$24,273,134 \$5,744,214 \$0 \$9,85												
32 4 490 \$6,224,902 \$825,428,604 \$3,642,426 \$984,740 \$0 \$1,02												
33 5 14009 \$11,654,765 \$837,083,369 \$6,360,591 \$1,961,004 \$0 \$2,15	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1											
34 3 14768 \$25,667,832 \$862,751,201 \$7,837,712 \$34,143 \$0 \$17,33												
35 2 15943 \$23,181,492 \$885,932,693 \$5,983,494 \$1,352,258 \$0 \$11,94												
36 6 15701 \$14,244,101 \$900,176,794 \$4,874,464 \$1,276,959 \$0 \$5,36	7-07-10											
37 7 15170 \$18,776,006 \$918,952,800 \$12,412,053 \$1,941,331 \$0 \$3,16												
20 4 405 44040004 40040004	2,084 \$8,069 \$20,428 \$10,074											

_										repco (L)					
			ANKING MOD				Cu	stomers		Filtere	d Data In	npacts	CI	CMI	Avg
for Under	grounding	each feeder's	main and late	erals				Resi-	Com-	(Syste	em Redu	ctions)▶	56.1%	55.7%	55.9%
for Outag	ges Jan'10	thru Dec'16	UG Cos	t/Feeder	vos	Т	otal	dential	mercial	Impact Scenarios (Av		arios (Av	eraged Rankings, As		Asc)
Systen	n Totals:▶	453	\$2,917	,290,278	\$21,596,074	355	,289	256,088	25,124	SAIDI,	SAIDI,	SAIDI,	SAIDI,	Ī	
Selected	l Impact ▶	41%	100.0%		100.0%	58.1%		58.7%	46.7%	SAIFI,	SAIFI,	SAIFI,	SAIFI,	SAIDI,	CI/\$
Selected	d Totals: ▶	187	\$2,917	,290,278	\$21,596,074	21,596,074 200		150,298	11,744	CMI/\$	CMI	CI/\$	CI	SAIFI	CMI/\$
Rank	Ward	Feeder	\$	Cum	\$	n	Cum	n	n	n	n	n	n	n	n
39	3	14894	\$805,517	\$920,970,369	\$51,741	718	60,347	691	27	43.7	54.0	44.3	78.0	65.0	2.0
40	8	15172	\$20,725,994	\$941,696,363	\$112,759	1,529	61,876	1,408	121	46.0	42.7	36.3	37.3	43.5	36.5
41	3	132	\$15,870,917	\$957,567,280	\$20,260	250	62,126	242	6	46.0	45.7	76.3	70.0	42.5	98.5
42	8	15171	\$17,831,740	\$975,399,019	\$164,114	1,711	63,837	1,395	85	47.0	49.3	54.7	55.0	59.5	33.5
43	7	118	\$13,975,294	\$989,374,314	\$188,114	528	64,365	453	48	48.0	47.3	41.7	42.3	35.5	63.5
44	4	117	\$12,348,169	\$1,001,722,483	\$65,910	304	64,669	260	23	48.0	50.7	54.7	54.3	34.5	85.0
45	5	14006	\$9,560,504	\$1,011,282,987	\$72,670	1,998	66,667	1,259	95	49.0	58.7	43.7	48.7	63.0	13.0
46	8	177	\$6,639,147	\$1,017,922,134	\$67,090	348	67,015	326	22	50.0	65.0	69.0	78.7	59.5	59.5
47	4	15200	\$31,575,756	\$1,049,497,890	\$358,805	1,441	68,456	1,282	137	53.7	49.0	76.3	60.0	61.5	72.0
48	8	165	\$7,644,092	\$1,057,141,982	\$97,061	418	68,874	375	31	54.0	65.3	69.0	76.7	61.5	61.5
49	4	14135	\$27,738,356	\$1,084,880,338	\$288,184	1,021	69,895	959	62	54.0	45.7	61.3	50.3	49.5	74.0
50	4	15014	\$24,977,917	\$1,109,858,255	\$418,813	1,903	71,798	1,540	115	54.3	48.3	42.0	39.3	51.0	42.5
51	7	97	\$17,621,294	\$1,127,479,549	\$42,756	1,084	72,882	697	56	54.7	52.7	47.3	49.0	51.0	51.0
52	4	15944	\$53,173,843	\$1,180,653,392	\$81,460	661	73,543	641	20	54.7	38.0	74.7	52.0	39.5	115.0
53	8	15174	\$24,400,948	\$1,205,054,340	\$216,065	2,393	75,936	2,063	208	55.0	49.7	39.0	37.3	52.5	36.0
54	8	14701	\$19,615,674	\$1,224,670,014	\$196,375	1,610	77,546	1,433	177	56.0	52.3	39.0	38.3	50.0	42.5
55	3	64	\$16,972,707	\$1,241,642,722	\$34,787	289	77,835	259	6	57.0	55.0	66.7	58.7	39.5	106.5
56	8	348	\$5,017,775	\$1,246,660,497	\$164,034	242	78,077	196	41	57.3	71.0	64.3	77.3	56.5	69.5
57	4	133	\$21,139,984	\$1,267,800,481	\$56,372	479	78,556	440	13	57.7	51.7	71.0	59.7	47.0	99.0
58	4	414	\$10,498,845	\$1,278,299,326	\$18,287	481	79,037	472	9	58.0	62.3	68.7	71.0	60.0	70.0
59	5	14015	\$32,377,596	\$1,310,676,922	\$310,282	1,420	80,457	1,291	114	58.3	47.3	56.7	48.7	53.0	66.5
60	8	333	\$7,021,423	\$1,317,698,345	\$13,947	557	81,014	533	24	63.0	74.3	60.0	71.0	67.0	50.5
61	7	15710	\$32,007,984	\$1,349,706,328	\$606,705	2,206	83,220	2,052	154	64.0	52.7	45.7	40.3	55.5	53.5
62	7	495	\$8,960,769	\$1,358,667,097	\$76,257	617	83,837	563	28	64.3	72.3	78.0	82.7	76.0	61.5
63	7	347	\$8,847,687	\$1,367,514,784	\$77,502	826	84,663	561	35	66.0	73.7	59.7	67.7	71.0	46.5
64	7	99	\$5,482,732	\$1,372,997,516	\$113,072	422	85,085	381	41	66.0	82.3	74.3	87.7	77.0	56.5
65	7	385	\$14,857,472	\$1,387,854,987	\$116,120	898	85,983	766	43	66.3	67.7	79.0	77.0	75.0	68.0
66	5	14023	\$11,450,113	\$1,399,305,101	\$999,253	966	86,949	688	200	67.0	70.0	55.3	61.7	67.5	48.5
67	3	15945	\$41,372,361	\$1,440,677,461	\$117,395	1,241	88,190	1,094	123	67.3	51.7	53.0	43.0	48.0	84.5
68	5	14016	\$28,114,889	\$1,468,792,350	\$209,633	615	88,805	525	90	67.7	57.3	74.0	60.3	54.0	104.5
69	3.	101		\$1,485,108,556	\$24,875	221	89,026	208	9	68.0	66.7	88.7	82.3	56.5	122.0
70	7	15711		\$1,489,559,870	\$31,130	13	89,039	0	10	68.0	70.7	74.3	74.3	28.0	157.5
71	4	15197		\$1,526,396,713	\$313,887	1,819	90,858	1,389	134	68.7	56.0	65.3	55.3	64.5	72.0
72	3	128		\$1,542,401,047	\$43,015	537	91,395	485	11	69.7	66.3	77.3	71.7	64.5	91.5
73	7	15706		\$1,565,498,257	\$83,047	2,288	93,683	1,264	135	70.0	64.7	57.7	57.3	73.0	45.5
74	4	14891		\$1,569,114,460	\$1,076	1,879	95,562	0	2	70.3	76.0	87.7	108.7	104.0	29.0
75	7	152	\$10,806,373		\$40,662	333	95,895	317	16	70.7	75.3	90.3	88.0	70.5	100.5
76	3	14133	\$21,587,043	\$1,601,507,876	\$58,333	813	96,708	283	34	71.3	65.3	80.0	70.7	69.0	89.0

DC FEEDE	R UNDERG	ROUNDING R	ANKING MOD	EL				Im	pacts by	feeder (s	ort Des	c)					
for Under	grounding	each feeder's	s main and late	erals		\$\$		SAIFI			SAIDI	-		CAIDI			
for Outa	ges Jan'10 t	thru Dec'16	UG Cos	t/Feeder	CMI/\$	CI/\$	System	ОН	New ²	System	ОН	New ²	System	ОН	New ²		
Systen	n Totals:▶	453	\$2,917	,290,278	na	na	0.8	0.5	0.3	268	174	94	329	363	281		
Selected	d Impact ▶	41%	100	0.0%	na	na	na	na	na	na	na	na	na	na	na		
Selected	d Totals:▶	187	\$2,917	,290,278	0.018	0.00006	1.1	0.8	0.4	373	257	116	326	326	324		
Rank	Ward	Feeder	\$	Cum	n	n	n	n	n	n	n	n	n	n	n		
39	3	14894	\$805,517	\$920,970,369	0.641	0.000312	0.4	0.4	0.0	719	719	0	2,049.8	2,050.9	144.2		
40	8	15172	\$20,725,994	\$941,696,363	0.020	0.000105	1.5	1.4	0.1	300	273	27	203.7	192.8	482.5		
41	3	132	\$15,870,917	\$957,567,280	0.020	0.000009	0.8	0.6	0.2	1441	1245	195	1,811.0	2,073.1	1,003.3		
42	8	15171	\$17,831,740	\$975,399,019	0.035	0.000068	1.0	0.7	0.3	467	360	107	469.4	511.9	366.6		
43	7	118	\$13,975,294	\$989,374,314	0.013	0.000055	2.0	1.5	0.6	585	349	237	285.7	239.6	398.7		
44	4	117	\$12,348,169	\$1,001,722,483	0.013	0.000026	1.4	1.1	0.3	547	511	35	395.8	482.7	110.1		
45	5	14006	\$9,560,504		0.036	0.000241	1.5	1.2	0.3	192	170	22	131.6	147.4	72.3		
46	8	177	\$6,639,147	\$1,017,922,134	0.026	0.000030	1.0	0.6	0.4	599	494	105	588.5	866.8	234.9		
47	4	15200	\$31,575,756		0.024	0.000023	0.5	0.5	0.0	535	522	13	1,053.6	1,055.9	967.9		
48	8	165	\$7,644,092	\$1,057,141,982	0.024	0.000032	0.8	0.6	0.2	465	434	31	596.6	737.2	163.8		
49	4	14135	\$27,738,356	\$1,084,880,338	0.016	0.000032	0.9	0.9	0.0	462	436	26	508.0	502.8	616.6		
50	4	15014	\$24,977,917	\$1,109,858,255	0.017	0.000102	2.4	1.3	1.1	718	217	501	300.4	162.2	476.3		
51	7	97	\$17,621,294	\$1,127,479,549	0.016	0.000071	1.4	1.2	0.2	285	263	22	203.2	227.5	89.3		
52	4	15944	\$53,173,843	\$1,180,653,392	0.009	0.000009	1.2	0.7	0.5	863	743	120	702.3	1,009.8	243.7		
53	8	15174	\$24,400,948	\$1,205,054,340	0.017	0.000156	1.8	1.6	0.2	198	171	28	111.8	107.1	153.0		
54	8	14701	\$19,615,674	\$1,224,670,014	0.014	0.000141	2.2	1.7	0.4	214	175	39	99.3	101.6	90.2		
55	3	64	\$16,972,707	\$1,241,642,722	0.008	0.000017	1.4	1.0	0.3	684	483	200	503.7	471.3	604.0		
56	8	348	\$5,017,775	\$1,246,660,497	0.018	0.000037	1.1	0.8	0.3	699	363	336	654.8	476.0	1,102.3		
57	4	133	\$21,139,984	\$1,267,800,481	0.012	0.000018	1.4	0.8	0.6	1105	511	594	818.2	654.5	1,042.7		
58	4	414	\$10,498,845	\$1,278,299,326	0.019	0.000031	1.0	0.7	0.3	449	417	32	452.7	618.7	99.7		
59	5	14015	\$32,377,596	\$1,310,676,922	0.014	0.000044	1.7	1.0	0.7	678	317	361	404.9	315.7	539.1		
60	8	333	\$7,021,423		0.019	0.000067	1.1	0.8	0.2	253	234	19	233.7	278.4	79.7		
61	7	15710	\$32,007,984		0.011	0.000100	2.1	1.4	0.7	513	166	346	242.6	114.8	520.9		
62	7	495	\$8,960,769		0.023	0.000035	0.6	0.5	0.1	342	338	4	530.0	670.8	27.3		
63	7	347	\$8,847,687	\$1,367,514,784	0.018	0.000075	1.1	0.8	0.3	489	198	291	459.1	244.5	1,134.6		
64	7	99	\$5,482,732	\$1,372,997,516	0.022	0.000040	0.7	0.5	0.2	936	287	648	1,325.5	551.4	3,507.7		
65	7	385	\$14,857,472	\$1,387,854,987	0.021	0.000030	0.5	0.5	0.0	348	344	3	656.6	686.8	119.9		
66	5	14023	\$11,450,113	\$1,399,305,101	0.015	0.000081	1.3	1.0	0.3	675	179	496	536.9	187.3	1,641.3		
67	3	15945	\$41,372,361	\$1,440,677,461	0.006	0.000044	1.6	1.5	0.2	246	201	45	149.4	136.6	258.8		
68	5	14016	\$28,114,889		0.008	0.000019	1.3	0.9	0.4	419	353	67	324.3	403.7	158.7		
69	3	101	\$16,316,206		0.008	And the second of the second o	0.7	0.5	0.1	632	609	24		1,197.7	159.2		
70	7	15711	\$4,451,314		0.002		1.3	1.2	0.1	580	534	46	436.1	450.3	318.7		
71	4	15197	\$36,836,843		0.012		1.1	0.9	0.2	254	237	18		273.0	95.0		
72	3	128	\$16,004,334		0.012		0.9	0.7	0.2	507	344	162	568.5	498.7	808.4		
73	7	15706	\$23,097,210			0.000094	1.0	0.9	0.1	166	160	6		169.0	113.6		
74	4	14891	\$3,616,203		0.231	0.000054	0.2	0.1	0.1	561	445	116	-	4,299.4	798.1		
75	7	152	\$10,806,373		0.014		0.5	0.5	0.0	454	447	7	930.7	950.4	391.2		
76	3	14133	\$21,587,043	\$1,601,507,876	0.012	0.000024	1.1	0.6	0.5	447	330	118	394.2	516.0	237.3		

			ANKING MOD main and late				Customer	Interrupti	ons (CI)		
		thru Dec'16		t/Feeder	System		OH Customer	менири		pacts on:	
Syste	m Totals:▶	453		,290,278	289,360		0,471	Total System			only
	d Impact ▶	41%		0.0%	81.7%		5.3%	Total	oystem -	0.1	Olliy
	d Totals:▶	187		,290,278	236,432	162,387		56.1%		95.3%	
Rank	Ward	Feeder	\$	Cum	n	n	Cum	%	Cum	%	Cum
39	3	14894	\$805,517	\$920,970,369	252	251.7	91,966	0.09%	31.78%	0.15%	53.95%
40	8	15172	\$20,725,994	\$941,696,363	2,252	2,167.4	94,134	0.75%	32.53%	1.27%	55.22%
41	3	132	\$15,870,917	\$957,567,280	199	150.1	94,284	0.05%	32.58%	0.09%	55.31%
42	8	15171	\$17,831,740	\$975,399,019	1,702	1,203.7	95,488	0.42%	33.00%	0.71%	56.01%
43	7	118	\$13,975,294	\$989,374,314	1,082	768.4	96,256	0.27%	33.27%	0.45%	56.46%
44	4	117	\$12,348,169	\$1,001,722,483	420	321.9	96,578	0.11%	33.38%	0.19%	56.65%
45	5	14006	\$9,560,504	\$1,011,282,987	2,920	2,306.1	98,884	0.80%	34.17%	1.35%	58.01%
46	8	177	\$6,639,147	\$1,017,922,134	354	198.3	99,082	0.07%	34.24%	0.12%	58.12%
47	4	15200	\$31,575,756	\$1,049,497,890	732	712.9	99,795	0.25%	34.49%	0.42%	58.54%
48	8	165	\$7,644,092	\$1,057,141,982	326	245.9	100,041	0.08%	34.57%	0.14%	58.69%
49	4	14135	\$27,738,356	\$1,084,880,338	929	885.6	100,927	0.31%	34.88%	0.52%	59.20%
50	4	15014	\$24,977,917	\$1,109,858,255	4,546	2,546.0	103,473	0.88%	35.76%	1.49%	60.70%
51	7	97	\$17,621,294	\$1,127,479,549	1,521	1,253.9	104,727	0.43%	36.19%	0.74%	61.43%
52	4	15944	\$53,173,843	\$1,180,653,392	813	486.4	105,213	0.17%	36.36%	0.29%	61.72%
53	8	15174	\$24,400,948	\$1,205,054,340	4,247	3,814.1	109,027	1.32%	37.68%	2.24%	63.96%
54	8	14701	\$19,615,674		3,464	2,766.3	111,793	0.96%	38.63%	1.62%	65.58%
55	3	64	\$16,972,707	\$1,241,642,722	392	296.4	112,090	0.10%	38.74%	0.17%	65.75%
56	8	348	\$5,017,775	\$1,246,660,497	258	184.6	112,274	0.06%	38.80%	0.11%	65.86%
57	4	133	\$21,139,984	\$1,267,800,481	647	374.0	112,648	0.13%	38.93%	0.22%	66.08%
58	4	414	\$10,498,845	\$1,278,299,326	477	324.6	112,973	0.11%	39.04%	0.19%	66.27%
59	5	14015	\$32,377,596	\$1,310,676,922	2,377	1,427.9	114,401	0.49%	39.54%	0.84%	67.11%
60	8	333	\$7,021,423	\$1,317,698,345	603	467.6	114,868	0.16%	39.70%	0.27%	67.38%
61	7	15710	\$32,007,984	\$1,349,706,328	4,660	3,193.3	118,062	1.10%	40.80%	1.87%	69.26%
62	7	495	\$8,960,769	\$1,358,667,097	398	310.7	118,372	0.11%	40.91%	0.18%	69.44%
63	7	347	\$8,847,687	\$1,367,514,784	879	667.1	119,040	0.23%	41.14%	0.39%	69.83%
64	7	99	\$5,482,732	\$1,372,997,516	298	219.9	119,259	0.08%	41.21%	0.13%	69.96%
65	7	385	\$14,857,472	\$1,387,854,987	476	450.4	119,710	0.16%	41.37%	0.26%	70.22%
66	5	14023	\$11,450,113	\$1,399,305,101	1,215	922.6	120,632	0.32%	41.69%	0.54%	70.76%
67	3	15945	\$41,372,361	\$1,440,677,461	2,041	1,826.9	122,459	0.63%	42.32%	1.07%	71.84%
68	5	14016	\$28,114,889	\$1,468,792,350	795	537.3	122,997	0.19%	42.51%	0.32%	72.15%
69	3	101	\$16,316,206	\$1,485,108,556	145	112.3	123,109	0.04%	42.55%	0.07%	72.22%
70	7	15711	\$4,451,314	\$1,489,559,870	17	15.4	123,124	0.01%	42.55%	0.01%	72.23%
71	4	15197	\$36,836,843	\$1,526,396,713	1,915	1,578.3	124,703	0.55%	43.10%	0.93%	73.15%
72	3	128	\$16,004,334	\$1,542,401,047	479	370.9	125,073	0.13%	43.22%	0.22%	73.37%
73	7	15706	\$23,097,210	\$1,565,498,257	2,292	2,165.7	127,239	0.75%	43.97%	1.27%	74.64%
74	4	14891	\$3,616,203	\$1,569,114,460	467	194.6	127,434	0.07%	44.04%	0.11%	74.75%
75	7	152	\$10,806,373	\$1,579,920,833	162	156.6	127,590	0.05%	44.09%	0.09%	74.85%
76	3	14133	\$21,587,043	\$1,601,507,876	923	519.6	128,110	0.18%	44.27%	0.30%	75.15%

		each feeder': thru Dec'16	s main and late		Count			terruption (CMI)					
			The same of the sa	t/Feeder	System		Н			mpacts on			
	m Totals:▶			,290,278	95,241,526		80,777	Total S	ystem	OH o	only		
	d Impact ▶	41%		0.0%	80.8%		.7%	55.	7%	85.	7%		
	d Totals:▶	187		,290,278	76,971,293	53,01	.7,049		CARROLL STATE OF THE STATE OF T				
Rank	Ward	Feeder	\$	Cum	n	n			Cum	%	Cum		
39	3	14894	\$805,517	\$920,970,369	516,263	516,242	35,258,671	0.54%	37.02%	0.83%	57.029		
40	8	15172	\$20,725,994	\$941,696,363	458,715	417,908	35,676,579	0.44%	37.46%	0.68%	57.709		
41	3	132	\$15,870,917	\$957,567,280	360,136	311,263	35,987,843	0.33%	37.79%	0.50%	58.209		
42	8	15171	\$17,831,740	\$975,399,019	798,685	616,150	36,603,993	0.65%	38.43%	1.00%	59.209		
43	7	118	\$13,975,294	\$989,374,314	309,038	184,136	36,788,129	0.19%	38.63%	0.30%	59.509		
44	4	117	\$12,348,169		166,141	155,370	36,943,500	0.16%	38.79%	0.25%	59.75%		
45	5	14006	\$9,560,504	\$1,011,282,987	384,375	340,003	37,283,503	0.36%	39.15%	0.55%	60.30%		
46	8	177	\$6,639,147	\$1,017,922,134	208,513	171,875	37,455,379	0.18%	39.33%	0.28%	60.589		
47	4	15200	\$31,575,756	\$1,049,497,890	770,932	752,681	38,208,060	0.79%	40.12%	1.22%	61.799		
48	8	165	\$7,644,092	\$1,057,141,982	194,323	181,244	38,389,304	0.19%	40.31%	0.29%	62.099		
49	4	14135	\$27,738,356	\$1,084,880,338	471,825	445,223	38,834,527	0.47%	40.77%	0.72%	62.819		
50	4	15014	\$24,977,917	\$1,109,858,255	1,365,558	413,027	39,247,554	0.43%	41.21%	0.67%	63.489		
51	7	97	\$17,621,294	\$1,127,479,549	309,165	285,271	39,532,826	0.30%	41.51%	0.46%	63.949		
52	4	15944	\$53,173,843	\$1,180,653,392	570,744	491,215	40,024,041	0.52%	42.02%	0.79%	64.739		
53	8	15174	\$24,400,948		474,672	408,478	40,432,519	0.43%	42.45%	0.66%	65.399		
54	8	14701	\$19,615,674	\$1,224,670,014	343,956	281,061	40,713,581	0.30%	42.75%	0.45%	65.859		
55	3	64	\$16,972,707	\$1,241,642,722	197,594	139,697	40,853,278	0.15%	42.89%	0.23%	66.079		
56	8	348	\$5,017,775	\$1,246,660,497	169,116	87,862	40,941,140	0.09%	42.99%	0.14%	66.219		
57	4	133	\$21,139,984	\$1,267,800,481	529,156	244,785	41,185,925	0.26%	43.24%	0.40%	66.619		
58	4	414	\$10,498,845	\$1,278,299,326	216,012	200,799	41,386,724	0.21%	43.45%	0.32%	66.949		
59	5	14015	\$32,377,596	\$1,310,676,922	962,680	450,726	41,837,450	0.47%	43.93%	0.73%	67.669		
60	8	333	\$7,021,423	\$1,317,698,345	140,954	130,149	41,967,600	0.14%	44.06%	0.21%	67.879		
61	7	15710	\$32,007,984	\$1,349,706,328	1,130,816	366,610	42,334,210	0.38%	44.45%	0.59%	68.47%		
62	7	495	\$8,960,769	\$1,358,667,097	210,790	208,416	42,542,626	0.22%	44.67%	0.34%	68.80%		
63	7	347	\$8,847,687	\$1,367,514,784	403,505	163,139	42,705,765	0.17%	44.84%	0.26%	69.07%		
64	7	99	\$5,482,732	\$1,372,997,516	394,822	121,223	42,826,988	0.13%	44.97%	0.20%	69.26%		
65	7	385	\$14,857,472	\$1,387,854,987	312,373	309,340	43,136,328	0.32%	45.29%	0.50%	69.77%		
66	5	14023	\$11,450,113	\$1,399,305,101	652,081	172,818	43,309,146	0.18%	45.47%	0.28%	70.04%		
67	3	15945	\$41,372,361	\$1,440,677,461	304,838	249,486	43,558,632	0.26%	45.73%	0.40%	70.45%		
68	5	14016	\$28,114,889	\$1,468,792,350	257,827	216,896	43,775,527	0.23%	45.96%	0.35%	70.80%		
69	3	101	\$16,316,206	\$1,485,108,556	139,762	134,484	43,910,012	0.14%	46.10%		71.02%		
70	7	15711		\$1,489,559,870	7,539	6,947	43,916,959	0.01%	46.11%		71.03%		
71	4	15197	\$36,836,843	\$1,526,396,713	462,808	430,846	44,347,805	0.45%	46.56%	0.70%	71.72%		
72	3	128	\$16,004,334	\$1,542,401,047	272,130	184,937	44,532,742	0.19%	46.76%	0.30%	72.029		
73	7	15706	\$23,097,210	\$1,565,498,257	380,280	365,969	44,898,710	0.38%	47.14%	0.59%	72.629		
74	4	14891	\$3,616,203	\$1,569,114,460	1,054,183	836,537	45,735,247	0.88%	48.02%	1.35%	73.97%		
75	7	152	\$10,806,373	\$1,579,920,833	151,047	148,812	45,884,059	0.16%	48.18%	0.24%	74.21%		
76	3	14133	\$21,587,043	\$1,601,507,876	363,761	268,103	46,152,162	0.28%	48.46%		74.64%		

DC FEEDE	R UNDERG	ROUNDING R	ANKING MOD	FI	Costs ³									
			s main and late			l	Γ	Costs						
		thru Dec'16					Na-:	D.:	n :					
				t/Feeder			Main	Primary	Primary					
	n Totals: ▶	453		,290,278		Main Line	Line	Lateral	Laterals	Overhead				
	d Impact ▶	41%		0.0%	Main line	Transformers	Risers	Cables	Transformers	line removal	Permits			
	d Totals:▶	187		,290,278	\$1,495,610,400	\$272,609,000	\$0	\$858,446,728	\$227,375,632	\$42,358,954	\$20,889,564			
Rank		Feeder	\$	Cum	\$	\$	\$	\$	\$	\$	\$			
39	3	14894	\$805,517	\$920,970,369	\$590,600	\$0	\$0	\$189,483	\$0	\$17,034	\$8,400			
40	8	15172	\$20,725,994	\$941,696,363	\$7,606,792	\$1,817,375	\$0	\$7,889,530	\$2,845,359	\$379,691	\$187,247			
41	3	132	\$15,870,917	\$957,567,280	\$9,082,217	\$1,633,522	\$0	\$4,026,239	\$854,930	\$183,510	\$90,499			
42	7	15171	\$17,831,740	\$975,399,019	\$10,729,704	\$2,912,328	\$0	\$2,650,980	\$1,097,839	\$295,273	\$145,616			
43		118	\$13,975,294	\$989,374,314	\$7,920,435	\$1,347,611	\$0	\$3,550,580	\$873,790	\$189,450	\$93,428			
44	4	117	\$12,348,169		\$5,669,676	\$787,616	\$0	\$4,827,179	\$862,339	\$134,855	\$66,504			
45	5	14006	\$9,560,504	\$1,011,282,987	\$3,380,931	\$1,119,038	\$0	\$3,267,349	\$1,567,325	\$151,265	\$74,597			
46	8	177	\$6,639,147	\$1,017,922,134	\$4,177,191	\$1,064,950	\$0	\$897,798	\$344,994	\$103,281	\$50,933			
47	4	15200	\$31,575,756		\$17,164,267	\$2,216,769	\$0	\$9,748,900	\$1,696,953	\$501,533	\$247,334			
48	8	165	\$7,644,092	\$1,057,141,982	\$5,319,263	\$1,227,785	\$0	\$680,258	\$229,545	\$125,400	\$61,842			
49	4	14135	\$27,738,356		\$16,810,833	\$2,004,260	\$0	\$7,298,023	\$1,058,985	\$379,234	\$187,021			
50	4	15014	\$24,977,917	\$1,109,858,255	\$9,891,142	\$2,418,712	\$0	\$8,860,468	\$3,183,984	\$417,646	\$205,965			
51	7	97	\$17,621,294	\$1,127,479,549	\$11,596,295	\$1,925,899	\$0	\$2,954,895	\$684,365	\$307,965	\$151,875			
52	4	15944	\$53,173,843	\$1,180,653,392	\$27,199,459	\$4,623,246	\$0	\$17,005,493	\$3,518,368	\$554,046	\$273,231			
53	8	15174	\$24,400,948		\$12,796,694	\$3,294,635	\$0	\$5,410,364	\$2,242,269	\$439,999	\$216,988			
54	8	14701	\$19,615,674		\$9,918,498	\$2,519,399	\$0	\$4,861,680	\$1,776,492	\$361,386	\$178,219			
55	3	64	\$16,972,707	\$1,241,642,722	\$8,796,134	\$1,354,704	\$0	\$5,466,766	\$1,108,381	\$165,235	\$81,487			
56	8	348	\$5,017,775		\$3,503,675	\$621,035	\$0	\$602,290	\$188,750	\$68,329	\$33,697			
57	4	133	\$21,139,984		\$9,938,601	\$1,715,089	\$0	\$7,625,181	\$1,559,454	\$202,028	\$99,631			
58	4	414	\$10,498,845	\$1,278,299,326	\$5,495,343	\$749,916	\$0	\$3,498,596	\$585,603	\$113,444	\$55,945			
59	5	14015	\$32,377,596		\$15,190,597	\$3,376,256	\$0	\$10,046,013	\$3,103,690	\$442,713	\$218,327			
60	8	333	\$7,021,423	77	\$5,197,613	\$1,216,504	\$0	\$315,640	\$108,974	\$122,352	\$60,339			
61	7	15710	\$32,007,984		\$13,151,533	\$3,479,519	\$0	\$10,727,387	\$4,116,282	\$357,139	\$176,125			
62	7	495	\$8,960,769		\$4,378,622	\$1,228,862	\$0	\$2,233,736	\$963,826	\$104,291	\$51,432			
63	7	347	\$8,847,687	\$1,367,514,784	\$6,203,440	\$1,207,894	\$0	\$926,008	\$278,150	\$155,507	\$76,689			
64	7	99	\$5,482,732	\$1,372,997,516	\$2,896,976	\$845,844	\$0	\$1,154,832	\$460,961	\$83,125	\$40,994			
65	7	385	\$14,857,472	\$1,387,854,987	\$9,863,042	\$2,193,297	\$0	\$1,828,296	\$596,204	\$252,239	\$124,393			
66	5	14023	\$11,450,113	\$1,399,305,101	\$6,169,289	\$1,724,174	\$0	\$2,319,214	\$930,129	\$205,811	\$101,497			
67	3	15945	\$41,372,361	\$1,440,677,461	\$16,524,395	\$3,539,701	\$0	\$16,343,700	\$4,405,942	\$374,122	\$184,500			
68	5	14016	\$28,114,889		\$14,994,994	\$3,019,278	\$0	\$7,303,955	\$2,005,278	\$530,008	\$261,376			
69	3	101	\$16,316,206			\$1,398,516	\$0	\$2,244,632	\$329,211	\$226,996	\$111,944			
70	7	15711	\$4,451,314		\$3,105,841	\$709,711	\$0	\$389,830	\$123,766	\$81,817	\$40,348			
71	4	15197	\$36,836,843		\$13,806,331	\$2,035,523	\$0	\$16,984,285	\$3,303,203	\$473,829	\$233,672			
72	3	128	\$16,004,334		\$5,641,208	\$914,604	\$0	\$7,559,457	\$1,704,026	\$123,925	\$61,114			
73	7	15706	\$23,097,210		\$11,054,502	\$3,509,019	\$0	\$5,472,031	\$2,565,332	\$332,401	\$163,925			
74	4	14891	\$3,616,203		\$3,506,138	\$0	\$0	\$1,447	\$0	\$72,744	\$35,874			
75	7	152	\$10,806,373		\$7,866,387	\$808,991	\$0	\$1,604,192	\$212,091	\$210,770	\$103,942			
76	3	14133	\$21,587,043	\$1,601,507,876	\$4,834,725	\$857,243	\$0	\$12,726,007	\$2,963,380	\$137,754	\$67,934			

D0															co (-)-1
			RANKING MOD				Cu	stomers ¹		Filtere	ed Data Ir	mpacts	CI	CMI	Avg
			s main and late	erals				Resi-	Com-	Service Services	em Redu	A STATE OF THE PARTY OF THE PAR	56.1%	55.7%	55.9%
		thru Dec'16		t/Feeder	vos	T	otal	dential	mercial	Imp	oact Scen	arios (Av	eraged R	ankings.	Asc)
_	n Totals:▶	453		,290,278	\$21,596,074	35	5,289	256,088	25,124	SAIDI,	SAIDI,	SAIDI,	SAIDI,		
	l Impact ▶	41%		0.0%	100.0%	58	3.1%	58.7%	46.7%	SAIFI,	SAIFI,	SAIFI,	SAIFI,	SAIDI,	CI/\$
	d Totals:▶	187		,290,278	\$21,596,074	20	6,463	150,298	11,744	CMI/\$	CMI	CI/\$	CI	SAIFI	CMI/\$
	Ward	Feeder	\$	Cum	\$	n	Cum	n	n	n	n	n	n	n	n
77	7	14055	\$8,429,294	\$1,609,937,170	\$5,048	1,863	98,571	116	5	74.3	82.0	93.7	101.0	106.5	39.0
78	5	14005	\$16,339,987	\$1,626,277,157	\$230,881	386	98,957	262	118	75.0	74.3	82.7	75.3	64.0	108.5
79	7	451	\$10,759,941	\$1,637,037,098	\$6,043	226	99,183	204	6	76.0	74.7	65.0	67.0	53.0	105.5
80	4	15013	\$30,535,192	\$1,667,572,290	\$256,764	3,312	102,495	1,916	147	76.3	67.3	71.3	66.7	85.5	50.5
81	8	14753	\$20,295,145	\$1,687,867,436	\$54,232	840	103,335	752	88	76.7	72.7	68.3	62.7	67.0	83.5
82	3	87	\$14,007,206	\$1,701,874,642	\$58,963	361	103,696	331	30	76.7	77.3	98.3	93.0	76.0	110.5
83	4	488	\$6,104,668	\$1,707,979,310	\$174,540	849	104,545	622	59	78.0	91.0	72.3	86.7	91.0	43.5
84	7	15130	\$28,192,457	\$1,736,171,767	\$136,655	1,953	106,498	1,744	181	81.7	71.3	58.0	54.7	71.0	67.5
85	8	499	\$4,171,456	\$1,740,343,223	\$66,683	244	106,742	205	36	86.0	100.3	99.3	110.3	94.0	90.0
86	7	372	\$19,375,710	\$1,759,718,932	\$112,317	741	107,483	695	46	88.3	84.0	100.0	89.7	89.0	104.5
87	7	328	\$8,921,127	\$1,768,640,059	\$12,144	403	107,886	395	8	89.0	93.3	94.0	96.7	88.5	97.5
88	4	15011	\$20,650,097	\$1,789,290,156	\$30,977	1,400	109,286	1,269	81	89.3	83.7	85.3	79.0	91.0	80.0
89	3	102	\$16,795,253	\$1,806,085,409	\$9,017	579	109,865	333	13	91.7	86.7	77.7	73.0	75.0	104.0
90	7	15709	\$26,152,749	\$1,832,238,158	\$141,401	2,585	112,450	2,338	247	92.0	83.7	67.3	65.0	87.0	65.0
91	4	15008	\$2,036,086	\$1,834,274,244	\$1,452	208	112,658	0	2	92.3	114.7	103.7	123.7	110.0	74.0
92 93	7	365	\$12,133,581	\$1,846,407,825	\$24,435	709	113,367	694	15	92.7	95.7	110.0	107.0	103.0	98.0
93	3	82	\$13,818,419	\$1,860,226,244	\$12,243	617	113,984	322	10	92.7	93.7	101.3	96.7	94.5	102.0
95	4	15010	\$27,713,111	\$1,887,939,354	\$164,800	2,842	116,826	1,702	131	93.0	84.7	88.7	82.7	102.5	67.5
96	7	205	\$15,442,416	\$1,903,381,770	\$21,643	550	117,376	512	31	97.3	93.7	79.0	76.0	79.0	106.5
96	8 7	15085	\$24,174,104	\$1,927,555,874	\$30,177	1,753	119,129	1,546	58	98.0	90.3	79.0	75.0	90.5	84.5
98	7	494	\$7,252,318	\$1,934,808,191	\$13,834	334	119,463	298	26	98.3	100.7	83.0	90.3	86.0	100.0
99	3	14813	\$9,015,730	\$1,943,823,922	\$1,830	219	119,682	0	2	99.7	102.7	123.3	121.0	103.0	128.5
100	7	14150	\$2,801,494	\$1,946,625,416	\$16,594	2,797	122,479	819	48	100.0	122.3	103.0	126.0	144.5	15.5
101	6	14809 15755	\$9,789,782	\$1,956,415,197	\$47	9	122,488	9	0	100.3	98.3	102.7	100.7	65.5	173.5
102	7	386	\$5,515,679 \$8,952,852	\$1,961,930,876	\$24,598	880	123,368	793	71	102.0	111.3	82.3	99.3	109.0	58.5
103	4	15015	\$24,102,156	\$1,970,883,728 \$1,994,985,884	\$58,885	469	123,837	419	50	102.3	106.0	103.3	106.0	103.0	102.5
104	7	14158	\$6,798,006	\$2,001,783,889	\$41,506 \$3,183	3,865	127,702	2,232	136	103.0	95.0	87.7	86.3	112.5	61.0
105	7	383	\$6,367,814	\$2,001,783,889	\$6,511	375	127,710	0	4	103.0	101.7	101.7	100.3	66.0	175.0
106	3	292	\$14,348,314		\$10,472	375	128,085	352	23	103.7	109.7	103.7	111.3	106.0	99.0
107	8	14752		\$2,022,500,017	\$47,490	134	128,219	114	8	105.7	102.3	112.7	108.0	88.0	151.5
108	3	14765		\$2,047,633,394			129,599	1,224		106.7	98.7	101.7	90.0	104.0	104.5
109	4	15012		\$2,067,781,413	\$26,638 \$159,720		130,427	764	62		99.3	94.3	86.7	94.5	112.5
110	7	366		\$2,099,109,584	\$28,758		133,697	3,137		107.0	95.3	95.0	88.0	111.5	80.0
111	8	14755		\$2,112,000,578	\$51,586	491 3,558	134,188 137,746	466	25		103.7	111.3	107.0	103.5	121.0
112	7	380		\$2,130,532,306	\$47,403	629	138,375	1,487		108.0	99.3	90.3	88.3	115.0	67.5
113	7	14806		\$2,153,206,225	\$531		140,395	218	22		112.0	104.7	108.3	111.0	98.0
114	4	15198		\$2,179,716,718	\$29,430		140,395	0 1,635	30		119.0	99.0	109.7	130.5	51.5
	•	10100	720,310,434	72,113,110,110	343,43U	1,0/4	142,069	1,635	39	110.3	101.3	132.0	119.0	124.5	114.5

DC FEEDE	R UNDERG	ROUNDING F	RANKING MOD	EL			<u>`</u>	In	nacts by	feeder (s	ort Des	ec)			
for Under	grounding	each feeder	s main and late	erals		\$\$		SAIFI	·pacts by	leeder (5	SAIDI		1	CAIDI	
		thru Dec'16		t/Feeder	CMI/\$	CI/\$	System	ОН	New ²	System	OH	New ²	System	OH	New ²
	n Totals:▶	453		,290,278	na	na	0.8	0.5	0.3	268	174	94	329	363	281
	d Impact ▶	41%		0.0%	na	na	na	na	na	na	na	na	na	110.7000	
Selected	d Totals:▶	187	\$2,917	,290,278	0.018	0.00006	1.1	0.8	0.4	373	257	116	326	na 326	na 324
Rank	Ward	Feeder	\$	Cum	n	n	n	n	n	n	n	n	n	n	n
77	7	14055	\$8,429,294	\$1,609,937,170	0.060	0.000041	0.2	0.2	0.0	271	270	1	1,338.3	1,453.7	56.6
78	5	14005	\$16,339,987	\$1,626,277,157	0.007	0.000018	1.5	0.7	0.7	393	301	92	269.1	405.9	127.9
79	7	451	\$10,759,941	\$1,637,037,098	0.004	0.000029	1.4	1.4	0.0	213	196	16	151.8	142.4	722.0
80	4	15013	\$30,535,192	\$1,667,572,290	0.018	0.000070	0.7	0.6	0.0	178	163	16	258.1	253.1	324.3
81	8	14753	\$20,295,145	\$1,687,867,436	0.008	0.000039	1.8	1.0	0.8	340	184	156	193.3	193.1	193.7
82	3	87	\$14,007,206	\$1,701,874,642	0.012	0.000010	0.6	0.4	0.2	518	450	68	888.1	1,217.3	317.2
83	4	488	\$6,104,668	\$1,707,979,310	0.020	0.000078	1.0	0.6	0.5	801	145	657	783.1	259.7	1,409.6
84	7	15130	\$28,192,457	\$1,736,171,767	0.007	0.000080	1.5	1.2	0.3	109	94	14	74.5	81.1	48.7
85	8	499	\$4,171,456	\$1,740,343,223	0.014	0.000021	0.5	0.4	0.2	431	237	194	828.1	671.1	1,158.6
86	7	372	\$19,375,710	\$1,759,718,932	0.009	0.000017	0.5	0.5	0.0	244	234	10	497.0	513.4	281.8
87	7	328	\$8,921,127	\$1,768,640,059	0.008	0.000023	0.5	0.5	0.0	185	184	1	357.8	361.6	142.8
88	4	15011	\$20,650,097	\$1,789,290,156	0.009	0.000039	1.2	0.6	0.6	172	134	38	149.0	234.6	65.0
89	3	102	\$16,795,253	\$1,806,085,409	0.004	0.000034	1.1	1.0	0.1	222	114	107	202.6	115.8	996.6
90	7	15709	\$26,152,749	\$1,832,238,158	0.007	0.000087	1.2	0.9	0.3	92	66	26	77.5	75.5	83.0
91	4	15008	\$2,036,086	\$1,834,274,244	0.018	0.000028	0.8	0.3	0.6	283	177	106	337.2	638.9	188.9
92	7	365	\$12,133,581	\$1,846,407,825	0.013	0.000017	0.5	0.3	0.2	363	227	136	776.2	793.8	748.6
93	3	82	\$13,818,419	\$1,860,226,244	0.009	0.000019	0.8	0.4	0.4	356	197	160	436.7	459.8	411.2
94	4	15010	\$27,713,111	\$1,887,939,354	0.013	0.000047	0.5	0.5	0.1	150	124	26	291.7	268.0	498.8
95	7	205	\$15,442,416	\$1,903,381,770	0.002	0.000037	1.1	1.0	0.0	79	68	11	73.6	65.4	352.1
96	8	15085	\$24,174,104	\$1,927,555,874	0.005	0.000053	1.2	0.7	0.5	127	72	55	103.3	97.7	111.6
97	7	494	\$7,252,318	\$1,934,808,191	0.004	0.000037	0.8	0.8	0.0	97	87	10	117.3	107.0	726.0
98	7	14813	\$9,015,730	\$1,943,823,922	0.008	0.000004	0.2	0.2	0.0	338	338	0	1,920.0	1,920.0	0.0
99	3	14150	\$2,801,494	\$1,946,625,416	0.059	0.000126	0.6	0.1	0.4	162	59	104	293.1	467.3	242.0
100	7	14809	\$9,789,782	\$1,956,415,197	0.000	0.000001	0.9	0.7	0.2	357	328	29	388.2	469.8	131.6
101	6	15755	\$5,515,679	\$1,961,930,876	0.009	0.000084	0.9	0.5	0.4	160	55	104	174.8	105.1	270.2
102	7	386	\$8,952,852	\$1,970,883,728	0.007	0.000023	0.4	0.4	0.0	131	130	1	295.2	295.3	287.8
103	4	15015	\$24,102,156	\$1,994,985,884	0.010	0.000073	0.6	0.5	0.1	79	64	15	136.6	141.3	119.5
104	7	14158	\$6,798,006	\$2,001,783,889	0.000	0.000002	1.9	1.3	0.7	142	112	31	73.2	87.0	46.2
105	7	383	\$6,367,814	\$2,008,151,703	0.007	0.000025	0.6	0.4	0.1	127	120	7	231.0	283.6	56.2
106	3	292	\$14,348,314	\$2,022,500,017	0.002	0.000004	1.1	0.5	0.6	358	214	144	338.0	445.4	249.1
107	8	14752	\$25,155,576		0.005	0.000026	0.6	0.5	0.2	117	96	21	183.0	203.3	124.9
108	3	14765	\$20,125,819		0.003	0.000027	0.7	0.7	0.0	89	80	9	132.2	122.9	456.5
109	4	15012	\$31,327,972	\$2,099,109,384	0.007	0.000045	0.6	0.4	0.2	164	68	96	275.0	158.0	575.6
110	7	366		\$2,112,600,578	0.005	0.000015	0.4	0.4	0.0	144	142	2	337.9	341.3	183.2
111	8	14755	\$23,931,928		0.008	0.000070	0.5	0.5	0.1	61	53	8	111.9	112.9	105.4
112	7	380		\$2,145,657,296	0.006		0.6	0.4	0.2	568	91	477	928.4	223.5	2,325.5
113	7	14806		\$2,153,206,225		0.000077	0.3	0.3	0.0	55	55	0	191.5	191.7	140.5
114	4	15198	\$26,510,494	\$2,179,716,718	0.011	0.000008	0.2	0.1	0.1	246	173	74	1,123.9	1,289.9	863.7

1			ANKING MOD				720				
		each feeder': thru Dec'16	main and late					Interrupt			
				t/Feeder	System		ОН			pacts on:	
_	n Totals: ▶	453		,290,278	289,360 81.7%		0,471	Total	System	ОН	only
	d Impact ▶	41%		100.0%		95.3%		56.1%		95	.3%
	d Totals:▶	187		,290,278	236,432	163	2,387				.570
Rank	Ward	Feeder	\$	Cum	n	n	Cum	%	Cum	%	Cum
77	7	14055	\$8,429,294	\$1,609,937,170	377	345.7	128,456	0.12%	44.39%	0.20%	75.35%
78	5	14005	\$16,339,987	\$1,626,277,157	564	286.1	128,742	0.10%	44.49%	0.17%	75.52%
79	7	451	\$10,759,941	\$1,637,037,098	316	311.3	129,053	0.11%	44.60%	0.18%	75.70%
80	4	15013	\$30,535,192	\$1,667,572,290	2,290	2,127.3	131,180	0.74%	45.33%	1.25%	76.95%
81	8	14753	\$20,295,145	\$1,687,867,436	1,477	799.9	131,980	0.28%	45.61%	0.47%	77.42%
82	3	87	\$14,007,206	\$1,701,874,642	211	133.6	132,114	0.05%	45.66%	0.08%	77.50%
83	4	488	\$6,104,668	\$1,707,979,310	869	473.3	132,587	0.16%	45.82%	0.28%	77.78%
84	7	15130	\$28,192,457	\$1,736,171,767	2,843	2,265.7	134,853	0.78%	46.60%	1.33%	79.11%
85	8	499	\$4,171,456		127	86.0	134,939	0.03%	46.63%	0.05%	79.16%
86	7	372	\$19,375,710		364	337.9	135,277	0.12%	46.75%	0.20%	79.35%
87	7	328	\$8,921,127	\$1,768,640,059	208	204.7	135,481	0.07%	46.82%	0.12%	79.47%
88	4	15011	\$20,650,097	\$1,789,290,156	1,613	798.3	136,280	0.28%	47.10%	0.47%	79.94%
89	3	102	\$16,795,253	\$1,806,085,409	633	570.9	136,850	0.20%	47.29%	0.33%	80.28%
90	7	15709	\$26,152,749	\$1,832,238,158	3,083	2,275.9	139,126	0.79%	48.08%	1.34%	81.61%
91	4	15008	\$2,036,086	\$1,834,274,244	175	57.6	139,184	0.02%	48.10%	0.03%	81.65%
92	7	365	\$12,133,581	\$1,846,407,825	332	203.1	139,387	0.07%	48.17%	0.12%	81.77%
93	3	82	\$13,818,419	\$1,860,226,244	503	264.0	139,651	0.09%	48.26%	0.15%	81.92%
94	4	15010	\$27,713,111	\$1,887,939,354	1,465	1,314.9	140,966	0.45%	48.72%	0.77%	82.69%
95	7	205	\$15,442,416		587	570.1	141,536	0.20%	48.91%	0.33%	83.03%
96	8	15085	\$24,174,104	\$1,927,555,874	2,151	1,290.1	142,826	0.45%	49.36%	0.76%	83.78%
97	7	494	\$7,252,318	\$1,934,808,191	275	270.6	143,097	0.09%	49.45%	0.16%	83.94%
98	7	14813	\$9,015,730	\$1,943,823,922	39	38.6	143,135	0.01%	49.47%	0.02%	83.96%
99	3	14150	\$2,801,494	\$1,946,625,416	1,550	351.7	143,487	0.12%	49.59%	0.21%	84.17%
100	7	14809	\$9,789,782	\$1,956,415,197	8	6.3	143,493	0.00%	49.59%	0.00%	84.17%
101	6	15755	\$5,515,679	\$1,961,930,876	805	464.9	143,958	0.16%	49.75%	0.27%	84.45%
102	7	386	\$8,952,852	\$1,970,883,728	208	205.7	144,164	0.07%	49.82%	0.12%	84.57%
103	4	15015	\$24,102,156	\$1,994,985,884	2,229	1,752.3	145,916	0.61%	50.43%	1.03%	85.60%
104	7	14158	\$6,798,006	\$2,001,783,889	16	10.3	145,926	0.00%	50.43%	0.01%	85.60%
105	7	383	\$6,367,814	\$2,008,151,703	206	158.6	146,085	0.05%	50.49%	0.09%	85.69%
106	3	292	\$14,348,314	\$2,022,500,017	142	64.3	146,149	0.02%	50.51%	0.04%	85.73%
107	8	14752	\$25,155,576		880	651.4	146,801	0.23%	50.73%	0.38%	86.11%
108	3	14765		\$2,067,781,413	555	539.3	147,340	0.19%	50.92%	0.32%	86.43%
109	4	15012		\$2,099,109,384	1,950	1,403.7	148,744	0.49%	51.40%	0.82%	87.25%
110	7	366		\$2,112,600,578	209	204.6	148,948	0.07%	51.48%	0.12%	87.37%
111	8	14755	\$23,931,928	\$2,136,532,506	1,954	1,685.4	150,634	0.58%	52.06%	0.99%	88.36%
112	7	380	\$9,124,790	\$2,145,657,296	385	255.7	150,889	0.09%	52.15%	0.15%	88.51%
113	7	14806	\$7,548,929		580	577.9	151,467	0.20%	52.35%	0.34%	88.85%
114	4	15198	\$26,510,494	\$2,179,716,718	367	224.0	151,691	0.08%	52.42%	0.13%	88.98%

			RANKING MOD s main and late			Custom	er Minutes/Int	terruption	(CMI)		
		thru Dec'16		t/Feeder	System)H			mpacts on	
Syste	m Totals:▶	453	\$2,917	,290,278	95,241,526	61.83	30,777	Total S		OH	
Selecte	d Impact ▶	41%		0.0%	80.8%		.7%				
Selecte	d Totals:▶	187	\$2,917	,290,278	76,971,293		17,049	55.	7%	85.	7%
Rank	Ward	Feeder	\$	Cum	n	n		%	Cum	%	Cum
77	7	14055	\$8,429,294	\$1,609,937,170	504,335	502,574	46,654,736	0.53%	48.99%		75.46%
78	5	14005	\$16,339,987	\$1,626,277,157	151,635	116,154	46,770,890	0.12%	49.11%	0.19%	75.64%
79	7	451	\$10,759,941	\$1,637,037,098	48,046	44,333	46,815,223	0.05%	49.15%	0.07%	75.72%
80	4	15013	\$30,535,192	\$1,667,572,290	591,061	538,379	47,353,603	0.57%	49.72%	0.87%	76.59%
81	8	14753	\$20,295,145	\$1,687,867,436	285,531	154,425	47,508,027	0.16%	49.88%	0.25%	76.849
82	3	87	\$14,007,206	\$1,701,874,642	187,019	162,593	47,670,621	0.17%	50.05%	0.26%	77.10%
83	4	488	\$6,104,668	\$1,707,979,310	680,281	122,896	47,793,517	0.13%	50.18%	0.20%	77.309
84	7	15130	\$28,192,457	\$1,736,171,767	211,969	183,834	47,977,351	0.19%	50.37%	0.30%	77.59%
85	8	499	\$4,171,456	\$1,740,343,223	105,053	57,714	48,035,065	0.06%	50.44%	0.09%	77.69%
86	7	372	\$19,375,710	\$1,759,718,932	180,691	173,446	48,208,511	0.18%	50.62%	0.28%	77.97%
87	7	328	\$8,921,127	\$1,768,640,059	74,533	74,023	48,282,534	0.08%	50.69%	0.12%	78.09%
88	4	15011	\$20,650,097	\$1,789,290,156	240,222	187,267	48,469,801	0.20%	50.89%	0.30%	78.39%
89	3	102	\$16,795,253	\$1,806,085,409	128,322	66,103	48,535,904	0.07%	50.96%	0.11%	
90	7	15709	\$26,152,749	\$1,832,238,158	238,848	171,802	48,707,706	0.18%	51.14%	0.28%	78.78%
91	4	15008	\$2,036,086	\$1,834,274,244	58,911	36,781	48,744,487	0.04%	51.18%	0.06%	78.84%
92	7	365	\$12,133,581	\$1,846,407,825	257,489	161,246	48,905,733	0.17%	51.35%	0.26%	79.10%
93	3	82	\$13,818,419	\$1,860,226,244	219,839	121,384	49,027,117	0.13%	51.48%		79.29%
94	4	15010	\$27,713,111	\$1,887,939,354	427,486	352,382	49,379,499	0.37%	51.85%	0.57%	79.86%
95	7	205	\$15,442,416	\$1,903,381,770	43,215	37,279	49,416,779	0.04%	51.89%	0.06%	79.92%
96	8	15085	\$24,174,104	\$1,927,555,874	222,202	126,060	49,542,838	0.13%	52.02%		80.139
97	7	494	\$7,252,318	\$1,934,808,191	32,281	28,962	49,571,800	0.03%	52.05%	0.05%	80.17%
98	7	14813	\$9,015,730	\$1,943,823,922	74,058	74,058	49,645,858	0.08%	52.13%	0.12%	80.29%
99	3	14150	\$2,801,494	\$1,946,625,416	454,359	164,345	49,810,203	0.17%	52.30%	0.27%	80.56%
100	7	14809	\$9,789,782	\$1,956,415,197	3,216	2,953	49,813,156	0.00%	52.30%	0.00%	80.56%
101	6	15755	\$5,515,679	\$1,961,930,876	140,749	48,834	49,861,990	0.05%	52.35%	0.08%	80.64%
102	7	386	\$8,952,852	\$1,970,883,728	61,360	60,744	49,922,734	0.06%	52.42%	0.10%	80.74%
103	4	15015	\$24,102,156	\$1,994,985,884	304,573	247,571	50,170,305	0.26%	52.68%	0.40%	81.14%
104	7	14158	\$6,798,006	\$2,001,783,889	1,139	895	50,171,200	0.00%	52.68%	0.00%	81.14%
105	7	383	\$6,367,814	\$2,008,151,703	47,662	44,978	50,216,178	0.05%	52.73%	0.07%	81.22%
106	3	292	\$14,348,314	\$2,022,500,017	47,993	28,634	50,244,812	0.03%	52.76%	0.05%	81.26%
107	8	14752		\$2,047,655,594	160,979	132,450	50,377,262	0.14%	52.89%	0.21%	
108	3	14765		\$2,067,781,413	73,308	66,265	50,443,527	0.07%	52.96%		81.58%
109	4	15012	\$31,327,972	\$2,099,109,384	536,428	221,717	50,665,244	0.23%	53.20%	0.36%	81.94%
110	7	366	\$13,491,193	\$2,112,600,578	70,629	69,818	50,735,062	0.07%	53.27%	0.11%	82.05%
111	8	14755	\$23,931,928	\$2,136,532,506	218,572	190,259	50,925,320	0.20%	53.47%	0.31%	82.36%
112	7	380	\$9,124,790	\$2,145,657,296	357,152	57,160	50,982,481	0.06%	53.53%	0.09%	82.45%
113	7	14806	\$7,548,929	\$2,153,206,225	111,012	110,772	51,093,252	0.12%	53.65%	0.18%	82.63%
114	4	15198	\$26,510,494	\$2,179,716,718	412,458	288,947	51,382,199	0.30%	53.95%	0.47%	

DC FFFDFD	LINDEDC	DOLINDING	ANIVING MACO					_ 3			1 cpco (
			RANKING MOD					Costs ³			
	-		s main and late	erals							
for Outag	ges Jan'10	thru Dec'16		t/Feeder			Main	Primary	Primary		
	Totals:▶	453	\$2,917	,290,278		Main Line	Line	Lateral	Laterals	Overhead	
	Impact▶	41%		0.0%	Main line	Transformers	Risers	Cables	Transformers	line removal	Permits
	Totals:▶	187	\$2,917	,290,278	\$1,495,610,400	\$272,609,000	\$0	\$858,446,728	\$227,375,632	\$42,358,954	\$20,889,564
Rank	Ward	Feeder	\$	Cum	\$	\$	\$	\$	\$	\$	\$
77	7	14055	\$8,429,294	\$1,609,937,170	\$7,940,637	\$129,022	\$0	\$52,816	\$1,157	\$204,709	\$100,953
78	5	14005	\$16,339,987	\$1,626,277,157	\$10,993,484	\$3,561,311	\$0	\$949,490	\$420,143	\$278,309	\$137,250
79	7	451	\$10,759,941	\$1,637,037,098	\$7,855,997	\$1,004,580	\$0	\$1,361,309	\$224,453	\$210,026	\$103,576
80	4	15013	\$30,535,192	\$1,667,572,290	\$14,498,366	\$3,149,014	\$0	\$9,295,755	\$2,778,159	\$545,086	\$268,812
81	8	14753	\$20,295,145	\$1,687,867,436	\$13,728,858	\$3,301,875	\$0	\$2,027,894	\$660,906	\$385,500	\$190,112
82	3	87	\$14,007,206	\$1,701,874,642	\$8,863,004	\$1,288,580	\$0	\$3,038,697	\$567,652	\$166,943	\$82,329
83	4	488	\$6,104,668	\$1,707,979,310	\$3,066,201	\$786,886	\$0	\$1,510,937	\$624,731	\$77,629	\$38,283
84	7	15130	\$28,192,457	\$1,736,171,767	\$16,027,849	\$2,347,761	\$0	\$7,603,630	\$1,486,516	\$486,688	\$240,013
85	8	499	\$4,171,456		\$3,452,538	\$132,887	\$0	\$429,691	\$22,658	\$89,530	\$44,152
86	7	372	\$19,375,710	\$1,759,718,932	\$13,398,199	\$2,413,236	\$0	\$2,436,220	\$668,682	\$307,652	\$151,720
87	7	328	\$8,921,127	\$1,768,640,059	\$5,128,923	\$871,935	\$0	\$2,212,992	\$514,316	\$129,230	\$63,731
88	4	15011	\$20,650,097	\$1,789,290,156	\$5,146,332	\$1,215,924	\$0	\$10,252,550	\$3,713,860	\$215,269	\$106,161
89	3	102	\$16,795,253	\$1,806,085,409	\$10,142,220	\$1,544,094	\$0	\$4,024,680	\$812,506	\$181,999	\$89,754
90	7	15709	\$26,152,749	\$1,832,238,158	\$14,999,833	\$4,188,515	\$0	\$4,536,776	\$1,782,697	\$431,923	\$213,005
91	4	15008	\$2,036,086	\$1,834,274,244	\$1,971,295	\$0	\$0	\$1,164	\$0	\$42,612	\$21,014
92	7	365	\$12,133,581	\$1,846,407,825	\$5,455,939	\$367,464	\$0	\$5,585,889	\$491,379	\$155,984	\$76,925
93	3	82	\$13,818,419	\$1,860,226,244	\$5,266,365	\$808,397	\$0	\$6,255,350	\$1,260,806	\$152,362	\$75,138
94	4	15010	\$27,713,111	\$1,887,939,354	\$10,375,509	\$2,629,263	\$0	\$10,501,452	\$3,784,624	\$282,799	\$139,464
95	7	205	\$15,442,416	\$1,903,381,770	\$9,951,636	\$1,587,944	\$0	\$2,879,497	\$660,497	\$243,003	\$119,839
96	8	15085	\$24,174,104	\$1,927,555,874	\$15,433,386	\$599,866	\$0	\$7,114,784	\$365,463	\$442,422	\$218,183
97	7	494	\$7,252,318	\$1,934,808,191	\$5,390,422	\$1,150,672	\$0	\$396,351	\$127,420	\$125,541	\$61,911
98	7	14813	\$9,015,730	\$1,943,823,922	\$8,664,519	\$0	\$0	\$0	\$0	\$235,214	\$115,997
99	3	14150	\$2,801,494	\$1,946,625,416	\$1,775,618	\$133,099	\$0	\$768,697	\$76,525	\$31,848	\$15,706
100	7	14809	\$9,789,782	\$1,956,415,197	\$9,402,191	\$52,406	\$0	\$0	\$0	\$224,481	\$110,704
101	6	15755	\$5,515,679	\$1,961,930,876	\$2,841,951	\$630,221	\$0	\$1,399,560	\$487,307	\$104,906	\$51,735
102	7	386	\$8,952,852	\$1,970,883,728	\$5,542,943	\$1,340,570	\$0	\$1,367,569	\$483,603	\$146,112	\$72,056
103	4	15015	\$24,102,156	\$1,994,985,884	\$8,640,300	\$2,214,310	\$0	\$9,322,964	\$3,415,159	\$341,171	\$168,251
104	7	14158	\$6,798,006	\$2,001,783,889	\$5,093,181	\$1,466,687	\$0	\$38,541	\$16,009	\$122,952	\$60,635
105	7	383	\$6,367,814	\$2,008,151,703	\$3,147,782	\$1,252,452	\$0	\$1,126,696	\$700,226	\$94,202	\$46,456
106	3	292	\$14,348,314		\$11,619,907	\$1,333,173	\$0	\$928,234	\$134,197	\$222,886	\$109,918
107	8	14752	\$25,155,576		\$11,483,738	\$3,325,040	\$0	\$7,023,613	\$2,891,203	\$289,308	\$142,674
108	3	14765	\$20,125,819		\$7,957,121	\$1,813,302	\$0	. \$7,381,975	\$2,632,848	\$228,090	\$112,484
109	4	15012	\$31,327,972	\$2,099,109,384	\$10,502,356	\$2,374,432	\$0	\$13,527,874	\$4,301,486	\$416,450	\$205,375
110	7	366	\$13,491,193		\$8,193,212	\$1,787,232	\$0	\$2,459,135	\$750,279	\$201,811	\$99,524
111	8	14755	\$23,931,928	\$2,136,532,506	\$13,408,500	\$3,999,344	\$0	\$4,097,354	\$1,784,264	\$430,274	\$212,192
112	7	380	\$9,124,790	\$2,145,657,296	\$6,623,440	\$884,838	\$0	\$1,148,791	\$212,343	\$171,032	\$84,346
113	7	14806	\$7,548,929	\$2,153,206,225	\$7,261,586	\$0	\$0	\$1,999	\$0	\$191,101	\$94,243
114	4	15198	\$26,510,494	\$2,179,716,718	\$8,953,116	\$2,290,901	\$0	\$10,916,256	\$3,915,035	\$291,453	\$143,732

														Pepo	co (b)-1
DC FEEDER	R UNDERG	ROUNDING R	RANKING MODI	EL			Cu	stomers ¹		Filtere	d Data Ir	npacts	CI	CMI	Avg
for Under	grounding	each feeder's	s main and late	rals				Resi-	Com-	(Syste	em Redu	ctions)▶	56.1%	55.7%	55.9%
		thru Dec'16	UG Cos	t/Feeder	vos	Т	otal	dential	mercial	lmp	act Scen	arios (Av	eraged Ra	ankings.	
System	Totals:▶	453	\$2,917	,290,278	\$21,596,074	35	5,289	256,088	25,124	SAIDI,	SAIDI,	SAIDI,	SAIDI,	1	
	l Impact ▶	41%	100	0.0%	100.0%	58	3.1%	58.7%	46.7%	SAIFI,	SAIFI,	SAIFI,	SAIFI,	SAIDI,	CI/\$
	Totals: ▶	187	\$2,917	,290,278	\$21,596,074	200	6,463	150,298	11,744	CMI/\$	СМІ	CI/\$	CI	SAIFI	CMI/\$
	Ward	Feeder	\$	Cum	\$	n	Cum	n	n	n	n	n	n	n	n
115	3	15867	\$15,966,868	\$2,195,683,587	\$12,481	1,305	143,374	612	38	110.7	106.3	96.0	93.7	109.0	92.0
116	7	327	\$8,566,841	\$2,204,250,428	\$15,109	322	143,696	287	17	111.7	113.3	117.3	118.7	109.5	124.5
117	7	367	\$9,758,594	\$2,214,009,022	\$25,010	517	144,213	448	39	113.7	116.0	124.3	123.7	120.5	116.0
118	8	14718	\$4,723,768	\$2,218,732,790		2	144,215	0	1	115.0	114.7	115.0	114.0	82.5	180.0
119	3	15947	\$6,708,142	\$2,225,440,933	\$18,112	66	144,281	21	42	115.3	115.0	113.0	113.7	92.5	157.5
120	8	329	\$8,212,532	\$2,233,653,465	\$3,473	303	144,584	294	9	115.7	115.7	107.7	110.3	105.0	125.0
121	7	167	\$9,659,707	\$2,243,313,171	\$22,894	578	145,162	475	103	116.3	116.7	113.3	115.7	115.5	113.5
122	6	15756	\$5,905,751	\$2,249,218,922	\$24,805	901	146,063	731	81	117.0	123.3	94.0	108.7	121.5	73.5
123	3	309	\$11,481,495	\$2,260,700,416	\$6,107	522	146,585	470	31	117.0	116.3	121.7	119.3	117.0	124.0
124	2	14146	\$23,871,866	\$2,284,572,282	\$21,891	582	147,167	557	22	117.7	110.3	132.0	123.0	116.5	141.5
125	7	14031	\$35,858,408	\$2,320,430,690	\$46,743	1,199	148,366	1,071	128	119.0	106.3	110.0	91.0	107.0	129.5
126	7	14261	\$33,272,830	\$2,353,703,519	\$30,674	1,317	149,683	1,227	90	121.3	110.0	111.7	94.7	112.0	125.5
127	7	244	\$10,488,477	\$2,364,191,997	\$6,500	367	150,050	356	8	123.3	121.0	127.7	127.3	120.5	135.5
128	8	15165	\$1,465,913	\$2,365,657,909	\$868	1,297	151,347	1,297	0	124.0	147.7	105.3	136.3	153.5	37.0
129	7	479	\$12,593,010	\$2,378,250,919	\$25,641	769	152,116	702	67	124.0	121.3	103.7	104.0	115.0	111.5
130	7	349	\$6,428,883	\$2,384,679,802	\$23,420	579	152,695	540	39	126.0	131.3	126.7	132.0	134.0	111.0
131	3	14145	\$16,570,859	\$2,401,250,661	\$5,575	2,797	155,492	644	32	128.7	126.7	115.7	113.0	140.5	85.5
132	4	15006	\$20,465,623	\$2,421,716,284	\$157,392	2,493	157,985	2,204	289	129.3	124.3	126.3	118.0	139.5	104.5
133	8	15175	\$14,751,479	\$2,436,467,763	\$14,779	1,859	159,844	711	73	131.0	127.7	114.7	113.0	136.0	96.5
134	4	15016	\$26,417,240	\$2,462,885,003	\$10,308	1,974	161,818	1,632	58	131.3	122.3	129.0	115.3	135.0	120.5
135	7	388	\$9,907,304	\$2,472,792,307	\$36,259	695	162,513	599	21	132.0	131.0	124.0	124.7	132.0	120.0
136	8	120	\$9,227,166	\$2,482,019,472	\$4,278	586	163,099	549	37	133.3	133.0	137.0	137.7	137.0	131.5
137	6	228	\$2,847,198	\$2,484,866,671	\$17,827	326	163,425	285	41	133.7	143.0	136.0	147.7	145.0	114.5
138	8	178	\$6,814,424	\$2,491,681,095	\$2,836	168	163,593	158	10	134.0	134.3	129.0	131.7	124.5	145.5
139	4	15007	\$2,208,083	\$2,493,889,178	\$3,791	281	163,874	276	5	134.7	146.0	141.0	151.7	148.5	116.5
140	8	15169	\$4,523,697	\$2,498,412,874	\$354	1	163,875	0	1	134.7	134.7	134.3	133.3	110.0	183.5
141	3	52	\$5,037,002	\$2,503,449,876	\$1,106	117	163,992	111	6	135.7	137.7	138.3	139.7	129.0	153.0
142	4	491	\$1,800,483	\$2,505,250,360	\$72,405	237	164,229	187	47	136.0	145.7	117.7	142.3	140.0	100.5
143	7	14812	\$4,621,942	\$2,509,872,302	\$118	216	164,445	216	0	140.3	143.7	145.0	148.3	142.5	143.0
144	3	63	\$7,216,101	\$2,517,088,403	\$1,816	126	164,571	119	7	140.3	139.3	137.0	137.0	128.0	160.0
145	3	14132	\$19,575,254		\$6,856	1,130	165,701	1,034	96	141.0	133.7	149.7	140.7	146.5	143.0
146	3	15949		\$2,545,143,922	\$3,492	663	166,364	170		141.7	139.3	126.3	129.7	139.0	124.0
147	6	14713		\$2,547,391,011	\$29,292	3,194		2,901	293	142.0	159.3	133.7	158.3	171.5	70.5
148	8	96		\$2,551,444,845	\$1,931	38	169,596	22	9	142.0	142.7	142.3	142.3	129.5	167.5
149	3	181		\$2,561,864,895	\$100,367	255		194	60	143.0	140.0	139.7	138.0	135.0	154.0
150	4	489		\$2,566,014,220	\$1,013	438		251	5	144.0	147.3	128.7	142.0	146.5	116.0
151	7	345		\$2,570,575,599	\$4,381		170,645	311	45	144.0	147.0	144.3	150.3	149.5	133.5
152	8	496	\$8,072,729	\$2,578,648,328	\$45,458	580	171,225	553	27	144.7	142.7	130.0	134.3	141.5	129.0

DC FEEDE	DC FEEDER UNDERGROUNDING RANKING MODEL for Undergrounding each feeder's main and laterals							Im	pacts by	feeder (s	ort Des	sc)			
for Under	grounding	each feeder's	s main and late	erals		\$\$		SAIFI			SAIDI			CAIDI	
for Outa	ges Jan'10	thru Dec'16	UG Cos	t/Feeder	CMI/\$	CI/\$	System	ОН	New ²	System	ОН	New ²	System	ОН	New ²
Syster	n Totals:▶	453	\$2,917	,290,278	na	na	0.8	0.5	0.3	268	174	94	329	363	281
Selected	d Impact ▶	41%	100	0.0%	na	na	na	na	na	na	na	na	na	na	na
Selecte	d Totals:▶	187	\$2,917	,290,278	0.018	0.00006	1.1	0.8	0.4	373	257	116	326	326	324
Rank	Ward	Feeder	\$	Cum	n	n	n	n	n	n	n	n	n	n	n
115	3	15867	\$15,966,868	\$2,195,683,587	0.005	0.000040	0.7	0.5	0.2	87	64	23	123.3	130.6	107.2
116	7	327	\$8,566,841	\$2,204,250,428	0.005	0.000012	0.5	0.3	0.2	146	131	15	307.4	404.9	97.7
117	7	367	\$9,758,594	\$2,214,009,022	0.007	0.000013	0.5	0.2	0.3	142	128	14	263.5	542.0	45.3
118	8	14718	\$4,723,768	\$2,218,732,790	0.000	0.000000	1.1	0.7	0.4	175	139	36	153.4	194.6	84.7
119	3	15947	\$6,708,142	\$2,225,440,933	0.001	0.000007	0.9	0.7	0.2	106	77	28	120.5	111.5	155.0
120	8	329	\$8,212,532		0.002	0.000020	0.6	0.5	0.1	81	63	18	125.9	118.9	158.6
121	7	167	\$9,659,707	\$2,243,313,171	0.005	0.000021	0.7	0.4	0.4	120	76	45	166.7	215.9	120.2
122	6	15756	\$5,905,751	\$2,249,218,922	0.006	0.000072	0.8	0.5	0.4	91	39	52	108.2	82.4	141.1
123	3	309	\$11,481,495	\$2,260,700,416	0.005	0.000013	0.6	0.3	0.3	130	107	23	229.6	362.0	85.3
124	2	14146	\$23,871,866		0.004	0.000004	0.7	0.2	0.5	372	178	194	554.7	979.4	396.5
125	7	14031	\$35,858,408			0.000019	0.8	0.6	0.3	83	58	25	99.4	102.4	93.2
126	7	14261	\$33,272,830		0.002	0.000020	0.5	0.5	0.0	53	52	2	101.1	100.6	119.1
127	7	244	\$10,488,477	\$2,364,191,997	0.004	0.000010	1.0	0.3	0.7	381	106	275	373.9	385.9	369.5
128	8	15165	\$1,465,913		0.016	0.000179	0.3	0.2	0.1	34	18	17	99.6	87.1	117.5
129	7	479	\$12,593,010		0.002	0.000036	0.8	0.6	0.2	52	32	20	69.0	55.1	118.6
130	7	349	\$6,428,883	\$2,384,679,802	0.006	0.000020	0.2	0.2	0.0	62	61	1	275.0	277.6	184.0
131	3	14145	\$16,570,859	\$2,401,250,661	0.006	0.000043	0.4	0.3	0.1	64	36	28	177.8	141.0	265.7
132	4	15006	\$20,465,623	\$2,421,716,284	0.006	0.000025	0.4	0.2	0.2	105	48	56	284.0	237.0	341.9
133	8	15175	\$14,751,479	\$2,436,467,763	0.004	0.000039	0.6	0.3	0.3	54	34	20	93.7	107.9	76.7
134	4	15016	\$26,417,240		0.004	0.000019	0.6	0.2	0.4	81	53	28	135.4	213.6	79.8
135	7	388	\$9,907,304		0.003	0.000022	0.6	0.3	0.3	572	44	528	904.5	139.3	1,659.4
136	8	120	\$9,227,166		0.004	0.000011	0.3	0.2	0.2	65	61	4	197.0	353.9	26.2
137	6	228	\$2,847,198	\$2,484,866,671	0.005	0.000019	1.3	0.2	1.1	384	46	337	301.3	284.4	303.8
138	8	178	\$6,814,424		0.001	0.000010	0.8	0.4	0.4	96	45	52	121.8	105.4	140.7
139	4	15007	\$2,208,083	\$2,493,889,178	0.006	0.000017	0.3	0.1	0.1	206	47	158	754.3	359.2	1,121.0
140	8	15169	\$4,523,697	\$2,498,412,874	0.000	0.000000	0.7	0.6	0.1	53	47	6	73.8	81.8	41.7
141	3	52	\$5,037,002	\$2,503,449,876	0.001	0.000006	0.4	0.3	0.1	80	63	17	196.7	230.7	127.6
142	4	491	\$1,800,483	\$2,505,250,360	0.004	0.000039	0.7	0.3	0.4	333	29	304	510.5	97.1	850.1
143	7	14812	\$4,621,942	\$2,509,872,302	0.002	0.000008	0.3	0.2	0.2	67	51	15	197.2	307.7	90.2
144	3	63	\$7,216,101	\$2,517,088,403	0.001	0.000007	1.0	0.4	0.6	174	36	138	181.2	94.9	238.6
145	3	14132	\$19,575,254		0.003	0.000006	0.7	0.1	0.6	124	59	65	186.0	537.6	117.0
146	3	15949		\$2,545,143,922	0.002	0.000025	0.4	0.3	0.0	30	21	9	84.8	66.2	240.0
147	6	14713		\$2,547,391,011	0.011	0.000053	8.0	0.0	0.7	194	8	187	257.8	206.6	260.5
148	8	96		\$2,551,444,845	Toronto Management	0.000003	8.0	0.3	0.4	48	40	8	64.4	117.9	19.8
149	3	181		\$2,561,864,895	0.001	0.000008	0.5	0.3	0.1	224	32	193	492.7	98.9	1,421.8
150	7	489		\$2,566,014,220		0.000027	0.3	0.3	0.0	25	20	6	92.9	77.0	354.8
151		345		\$2,570,575,599		0.000012	0.6	0.2	0.4	138	35	102	233.9	233.0	234.3
152	8	496	\$8,072,729	\$2,578,648,328	0.001	0.000022	0.5	0.3	0.2	354	20	334	742.0	63.3	2,015.5

			ANKING MOD s main and late				Customor		(CI)		
T SAME TO SAME TO		thru Dec'16		t/Feeder	System	Ι .	OH	Interrupti		pacts on:	
	n Totals: ▶	453		,290,278	289,360		0,471	Total	System		only
	d Impact ▶	41%		0.0%	81.7%		5.3%	Total	Эузсені	Oii	Offig
	d Totals:▶	187		,290,278	236,432		2,387	56	.1%	95	.3%
Rank	Ward	Feeder	\$	Cum	n	n	Cum	%	Cum	%	Cum
115	3	15867	\$15,966,868	\$2,195,683,587	923	637.7	152,329	0.22%	52.64%	0.37%	89.36%
116	7	327	\$8,566,841	\$2,204,250,428	153	104.1	152,433	0.04%	52.68%	0.06%	89.42%
117	7	367	\$9,758,594	\$2,214,009,022	279	122.4	152,556	0.04%	52.72%	0.07%	89.49%
118	8	14718	\$4,723,768	\$2,218,732,790	2	1.4	152,557	0.00%	52.72%	0.00%	89.49%
119	3	15947	\$6,708,142	\$2,225,440,933	58	45.9	152,603	0.02%	52.74%	0.03%	89.52%
120	8	329	\$8,212,532	\$2,233,653,465	195	160.9	152,764	0.06%	52.79%	0.09%	89.61%
121	7	167	\$9,659,707	\$2,243,313,171	417	202.6	152,966	0.07%	52.86%	0.12%	89.73%
122	6	15756	\$5,905,751	\$2,249,218,922	758	425.3	153,392	0.15%	53.01%	0.25%	89.98%
123	3	309	\$11,481,495	\$2,260,700,416	295	153.7	153,545	0.05%	53.06%	0.09%	90.07%
124	2	14146	\$23,871,866	\$2,284,572,282	391	106.0	153,651	0.04%	53.10%	0.06%	90.13%
125	7	14031	\$35,858,408	\$2,320,430,690	1,001	677.1	154,328	0.23%	53.33%	0.40%	90.53%
126	7	14261	\$33,272,830	\$2,353,703,519	694	676.0	155,004	0.23%	53.57%	0.40%	90.93%
127	7	244	\$10,488,477	\$2,364,191,997	374	101.0	155,105	0.03%	53.60%	0.06%	90.99%
128	8	15165	\$1,465,913	\$2,365,657,909	448	263.0	155,368	0.09%	53.69%	0.15%	91.14%
129	7	479	\$12,593,010		577	450.3	155,819	0.16%	53.85%	0.26%	91.40%
130	7	349	\$6,428,883	\$2,384,679,802	131	127.6	155,946	0.04%	53.89%	0.07%	91.48%
131	3	14145	\$16,570,859	\$2,401,250,661	1,008	711.0	156,657	0.25%	54.14%	0.42%	91.90%
132	4	15006	\$20,465,623	\$2,421,716,284	918	506.7	157,164	0.18%	54.31%	0.30%	92.19%
133	8	15175	\$14,751,479	\$2,436,467,763	1,064	578.0	157,742	0.20%	54.51%	0.34%	92.53%
134	4	15016	\$26,417,240	\$2,462,885,003	1,185	492.9	158,235	0.17%	54.68%	0.29%	92.82%
135	7	388	\$9,907,304	\$2,472,792,307	440	218.3	158,453	0.08%	54.76%	0.13%	92.95%
136	8	120	\$9,227,166	\$2,482,019,472	195	101.4	158,555	0.04%	54.79%	0.06%	93.01%
137	6	228	\$2,847,198	\$2,484,866,671	415	53.0	158,608	0.02%	54.81%	0.03%	93.04%
138	8	178	\$6,814,424	\$2,491,681,095	133	71.0	158,679	0.02%	54.84%	0.04%	93.08%
139	4	15007	\$2,208,083	\$2,493,889,178	77	36.9	158,715	0.01%	54.85%	0.02%	93.10%
140	8	15169	\$4,523,697	\$2,498,412,874	1	0.6	158,716	0.00%	54.85%	0.00%	93.10%
141	3	52	\$5,037,002	\$2,503,449,876	47	31.7	158,748	0.01%	54.86%	0.02%	93.12%
142	4	491	\$1,800,483	\$2,505,250,360	155	69.7	158,817	0.02%	54.89%	0.04%	93.16%
143	7	14812	\$4,621,942	\$2,509,872,302	73	35.9	158,853	0.01%	54.90%	0.02%	93.18%
144	3	63	\$7,216,101	\$2,517,088,403	121	48.4	158,902	0.02%	54.91%	0.03%	93.21%
145	3	14132	\$19,575,254	\$2,536,663,657	751	123.3	159,025	0.04%	54.96%	0.07%	93.29%
146	3	15949	\$8,480,265	\$2,545,143,922	234	208.9	159,234	0.07%	55.03%	0.12%	93.41%
147	6	14713	\$2,247,089	\$2,547,391,011	2,405	118.4	159,352	0.04%	55.07%	0.07%	93.48%
148	8	96	\$4,053,834	\$2,551,444,845	29	13.0	159,365	0.00%	55.08%	0.01%	93.49%
149	3	181	\$10,420,051	\$2,561,864,895	116	81.6	159,447	0.03%	55.10%	0.05%	93.53%
150	4	489	\$4,149,325	\$2,566,014,220	120	113.1	159,560	0.04%	55.14%	0.07%	93.60%
151	7	345	\$4,561,379	\$2,570,575,599	209	54.0	159,614	0.02%	55.16%	0.03%	93.63%
152	8	496	\$8,072,729	\$2,578,648,328	277	180.4	159,794	0.06%	55.22%	0.11%	93.74%

		thru Dec'16	s main and late UG Cos	t/Feeder	System		er Minutes/Int H			mpacts on	
Syste	m Totals: ▶	453		,290,278	95,241,526		0,777	Total S		OH	
	d Impact ▶	41%		0.0%	80.8%		7%		youth	0	Ziliy
	d Totals: ▶	187		,290,278	76,971,293		7,049	55.	7%	85.	7%
Rank	Ward	Feeder	\$	Cum	n	n		%	Cum	%	Cum
115	3	15867	\$15,966,868	\$2,195,683,587	113,857	83,256	51,465,455	0.09%	54.04%		83.24%
116	7	327	\$8,566,841	\$2,204,250,428	46,896	42,166	51,507,621	0.04%	54.08%		83.309
117	7	367	\$9,758,594	\$2,214,009,022	73,429	66,354	51,573,976	0.07%	54.15%		83.419
118	8	14718	\$4,723,768	\$2,218,732,790	351	278	51,574,254	0.00%	54.15%		83.419
119	3	15947	\$6,708,142	\$2,225,440,933	6,974	5,113	51,579,367	0.01%	54.16%		83.429
120	8	329	\$8,212,532	\$2,233,653,465	24,562	19,125	51,598,492	0.02%	54.18%	0.03%	83.459
121	7	167	\$9,659,707	\$2,243,313,171	69,532	43,739	51,642,230	0.05%	54.22%	0.07%	83.529
122	6	15756	\$5,905,751	\$2,249,218,922	82,046	35,063	51,677,294	0.04%	54.26%		83.589
123	3	309	\$11,481,495	\$2,260,700,416	67,697	55,651	51,732,945	0.06%	54.32%	0.09%	83.679
124	2	14146	\$23,871,866	\$2,284,572,282	216,635	103,814	51,836,759	0.11%	54.43%	0.17%	83.849
125	7	14031	\$35,858,408	\$2,320,430,690	99,472	69,307	51,906,066	0.07%	54.50%	0.11%	83.959
126	7	14261	\$33,272,830	\$2,353,703,519	70,132	68,022	51,974,088	0.07%	54.57%	0.11%	84.069
127	7	244	\$10,488,477	\$2,364,191,997	139,746	38,979	52,013,066	0.04%	54.61%	0.06%	84.129
128	8	15165	\$1,465,913	\$2,365,657,909	44,666	22,904	52,035,971	0.02%	54.64%	0.04%	84.169
129	7	479	\$12,593,010	\$2,378,250,919	39,831	24,801	52,060,772	0.03%	54.66%	0.04%	84.209
130	7	349	\$6,428,883	\$2,384,679,802	36,100	35,416	52,096,188	0.04%	54.70%		84.269
131	3	14145	\$16,570,859	\$2,401,250,661	179,270	100,238	52,196,426	0.11%	54.80%	0.16%	84.429
132	4	15006	\$20,465,623	\$2,421,716,284	260,824	120,114	52,316,540	0.13%	54.93%	0.19%	84.619
133	8	15175	\$14,751,479	\$2,436,467,763	99,657	62,391	52,378,931	0.07%	55.00%	0.10%	84.719
134	4	15016	\$26,417,240	\$2,462,885,003	160,483	105,259	52,484,190	0.11%	55.11%	0.17%	84.889
135	7	388	\$9,907,304	\$2,472,792,307	397,604	30,400	52,514,591	0.03%	55.14%	0.05%	84.939
136	8	120	\$9,227,166	\$2,482,019,472	38,336	35,899	52,550,489	0.04%	55.18%	0.06%	84.999
137	6	228	\$2,847,198	\$2,484,866,671	125,091	15,071	52,565,560	0.02%	55.19%	0.02%	85.029
138	8	178	\$6,814,424	\$2,491,681,095	16,187	7,484	52,573,044	0.01%	55.20%	0.01%	85.039
139	4	15007	\$2,208,083	\$2,493,889,178	57,760	13,239	52,586,283	0.01%	55.21%	0.02%	85.059
140	8	15169	\$4,523,697	\$2,498,412,874	53	47	52,586,330	0.00%	55.21%	0.00%	85.05%
141	3	52	\$5,037,002	\$2,503,449,876	9,303	7,317	52,593,646	0.01%	55.22%	0.01%	85.06%
142	4	491	\$1,800,483	\$2,505,250,360	78,904	6,771	52,600,417	0.01%	55.23%	0.01%	85.079
143	7	14812	\$4,621,942	\$2,509,872,302	14,369	11,032	52,611,449	0.01%	55.24%	0.02%	85.09%
144	3	63	\$7,216,101	\$2,517,088,403	21,981	4,594	52,616,042	0.00%	55.24%	0.01%	85.10%
145	3	14132	\$19,575,254	\$2,536,663,657	139,783	66,273	52,682,315	0.07%	55.31%	0.11%	85.20%
146	3	15949	\$8,480,265	\$2,545,143,922	19,826	13,827	52,696,142	0.01%	55.33%		85.239
147	6	14713	\$2,247,089	\$2,547,391,011	620,195	24,473	52,720,615	0.03%	55.35%	0.04%	85.279
148	8	96	\$4,053,834	\$2,551,444,845	1,840	1,532	52,722,148	0.00%	55.36%	0.00%	85.279
149	3	181	\$10,420,051	\$2,561,864,895	57,221	8,069	52,730,217	0.01%	55.36%	0.01%	85.289
150	4	489	\$4,149,325	\$2,566,014,220	11,142	8,709	52,738,927	0.01%	55.37%	0.01%	85.309
151	7	345	\$4,561,379	\$2,570,575,599	48,960	12,580	52,751,507	0.01%	55.39%	0.02%	85.329
152	8	496	\$8,072,729	\$2,578,648,328	205,207	11,429	52,762,935	0.01%	55.40%	0.02%	85.339

											repco
DC FEEDE	R UNDERG	ROUNDING R	ANKING MOD	EL				Costs ³			
for Under	grounding	each feeder's	s main and late	erals							
for Outa	ges Jan'10	thru Dec'16	UG Cos	t/Feeder			Main	Primary	Primary		
Systen	n Totals:▶	453		,290,278		Main Line	Line	Lateral	Laterals	Overhead	
	d Impact ▶	41%		0.0%	Main line	Transformers	Risers	Cables	Transformers	line removal	Permits
	d Totals:▶	187	\$2,917	,290,278	\$1,495,610,400	\$272,609,000	\$0	\$858,446,728	\$227,375,632	\$42,358,954	\$20,889,564
Rank	Ward	Feeder	Ś	Cum	\$	\$	\$	\$	\$	\$	\$
115	3	15867	\$15,966,868		\$6,677,075	\$1,367,703	\$0	\$6,128,417	\$1,531,631	\$175,496	\$86,547
116	7	327	\$8,566,841		\$4,716,851	\$688,758	\$0	\$2,429,934	\$513,235	\$146,041	\$72,021
117	7	367	\$9,758,594		\$5,295,795	\$1,528,740	\$0	\$1,815,260	\$920,959	\$132,498	\$65,342
118	8	14718	\$4,723,768		\$4,474,053	\$77,772	\$0	\$0	\$0	\$115,154	\$56,789
119	3	15947	\$6,708,142		\$3,320,046	\$588,006	\$0	\$2,131,849	\$504,155	\$109,893	\$54,194
120	8	329	\$8,212,532	\$2,233,653,465	\$5,379,520	\$1,289,194	\$0	\$972,603	\$359,087	\$142,067	\$70,061
121	7	167	\$9,659,707	\$2,243,313,171	\$7,684,542	\$700,519	\$0	\$850,376	\$105,919	\$213,207	\$105,144
122	6	15756	\$5,905,751	\$2,249,218,922	\$2,909,931	\$884,202	\$0	\$1,329,598	\$622,187	\$107,043	\$52,789
123	3	309	\$11,481,495		\$7,088,283	\$1,190,971	\$0	\$2,469,668	\$538,429	\$130,022	\$64,121
124	2	14146	\$23,871,866		\$8,023,884	\$2,073,066	\$0	\$10,107,079	\$3,275,966	\$262,444	\$129,426
125	7	14031	\$35,858,408		\$17,761,580	\$2,114,699	\$0	\$13,032,669	\$2,017,014	\$624,480	\$307,966
126	7	14261	\$33,272,830		\$17,360,914	\$2,300,443	\$0	\$10,900,155	\$1,936,082	\$519,192	\$256,043
127	7	244	\$10,488,477		\$4,535,166	\$886,028	\$0	\$3,804,968	\$1,105,402	\$105,088	\$51,825
128	8	15165	\$1,465,913		\$1,408,807	\$0	\$0	\$3,804,368	\$1,103,402	\$38,245	\$18,861
129	7	479	\$12,593,010		\$6,227,952	\$1,507,241	\$0	\$3,359,380	\$1,288,953	\$140,296	\$69,188
130	7	349	\$6,428,883		\$3,465,349	\$827,539	\$0	\$1,440,598	\$584,078	\$74,552	\$36,766
131	3	14145	\$16,570,859		\$3,104,973	\$538,019	\$0	\$10,197,225	\$2,472,820	\$172,669	\$85,153
132	4	15006	\$20,465,623		\$6,009,143	\$2,197,636	\$0	\$7,679,757	\$4,145,438	\$290,424	\$143,224
133	8	15175	\$14,751,479		\$8,564,043	\$2,178,854	\$0	\$2,704,971	\$980,837	\$216,169	\$106,605
134	4	15016	\$26,417,240		\$13,386,888	\$3,424,182	\$0	\$6,716,328	\$2,301,733	\$393,870	\$194,239
135	7	388	\$9,907,304		\$3,746,852	\$1,034,481	\$0	\$3,499,077	\$1,503,030	\$82,954	\$40,909
136	8	120	\$9,227,166		\$6,297,055	\$1,809,145	\$0	\$633,010	\$268,691	\$146,846	\$72,418
137	6	228	\$2,847,198		\$216,283	\$9,294	\$0	\$1,866,350	\$668,638	\$58,020	\$28,613
138	8	178	\$6,814,424		\$5,533,556	\$784,229	\$0	\$245,954	\$49,249	\$134,907	\$66,530
139	4	15007	\$2,208,083		\$2,135,182	\$0	\$0	\$5,084	\$0	\$45,418	\$22,398
140	8	15169	\$4,523,697		\$4,297,306	\$52,406	\$0	\$0	\$0	\$116,521	\$57,463
141	3	52	\$5,037,002		\$1,120,160	\$174,008	\$0	\$2,935,080	\$767,628	\$26,873	\$13,253
142	4	491	\$1,800,483		\$1,155,993	\$190,114	\$0	\$327,063	\$70,243	\$38,221	\$18,849
143	7	14812	\$4,621,942	\$2,509,872,302	\$4,441,892	\$0	\$0	\$0	\$0	\$120,583	\$59,466
144	3	63	\$7,216,101	\$2,517,088,403	\$5,936,867	\$756,553	\$0	\$314,032	\$54,904	\$102,967	\$59,400
145	3	14132	\$19,575,254			\$1,908,247	\$0	\$5,053,603	\$1,089,205	\$289,969	\$143,000
146	3	15949	\$8,480,265			\$760,978	\$0	\$2,930,762	\$676,006	\$107,654	\$53,090
147	6	14713	\$2,247,089		\$275,991	\$43,801	\$0	\$1,354,096	\$529,319	\$29,389	\$14,493
148	8	96	\$4,053,834			\$861,900	\$0	\$104,661	\$49,349	\$62,998	\$31,068
149	3	181	\$10,420,051		\$6,805,733	\$1,631,970	\$0	\$1,381,944	\$400,153	\$134,112	\$66,138
150	4	489	\$4,149,325		\$1,821,034	\$477,375	\$0	\$1,271,865	\$516,667	\$41,779	\$20,604
151	7	345	\$4,561,379		\$1,849,632	\$261,301	\$0	\$1,870,641	\$472,384	\$71,942	\$35,479
152	8	496	\$8,072,729		\$4,817,289	\$1,289,392	\$0	\$1,287,347	\$485,721	\$129,243	\$63,737
		777.00			. ,,	T -,		7-,-57,577	7.00,721	7123,243	703,737

DC FFFDF	DC FEEDER UNDERGROUNDING RANKING MODEL for Undergrounding each feeder's main and laterals					T	C	1					The second second		20 , 71
							Cu	stomers ¹			d Data Ir		CI	CMI	Avg
								Resi-	Com-		em Redu		56.1%	55.7%	55.9%
		hru Dec'16		t/Feeder	vos		otal	dential ·	mercial		oact Scen	arios (Av	eraged Ra	ankings,	Asc)
	n Totals:▶	453		,290,278	\$21,596,074	35	5,289	256,088	25,124	SAIDI,	SAIDI,	SAIDI,	SAIDI,		
	Impact ►	41%		0.0%	100.0%		3.1%	58.7%	46.7%	SAIFI,	SAIFI,	SAIFI,	SAIFI,	SAIDI,	CI/\$
	d Totals: ▶	187		,290,278	\$21,596,074	20	6,463	150,298	11,744	CMI/\$	CMI	CI/\$	CI	SAIFI	CMI/\$
Rank	Ward	Feeder	\$	Cum	\$	n	Cum	n	n	n	n	n	n	n	n
153	7	15173	\$35,485,085	\$2,614,133,412	\$32,727	1,863	173,088	1,710	153	144.7	136.0	134.3	114.7	140.0	138.5
154	4	476	\$14,124,547	\$2,628,257,959	\$1,732	351	173,439	342	7	146.0	140.7	140.7	136.3	137.0	156.0
155	8	15631	\$98,165	\$2,628,356,124	\$1	1	173,440	1	0	146.0	152.7	149.7	153.0	137.5	168.5
156	8	294	\$5,207,901	\$2,633,564,025	\$1,405	79	173,519	72	7	146.7	146.3	145.0	146.7	137.0	163.5
157	4	66	\$498,978	Managed Managed States	\$2,300	247	173,766	201	28	150.3	166.0	126.7	164.7	166.0	83.5
158	8	323	\$5,455,940	\$2,639,518,944	\$5,972	579	174,345	505	38	151.3	152.3	134.0	143.3	152.0	124.0
159	8	183	\$7,111,230	\$2,646,630,174	\$2,960	1,068	175,413	551	39	151.3	153.3	164.0	163.7	163.5	146.0
160	8	324	\$6,635,984	\$2,653,266,158	\$2,371	252	175,665	224	25	152.3	152.3	154.7	154.3	152.5	155.5
161	5	14017	\$17,758,722	\$2,671,024,880	\$42,634	2,291	177,956	1,123	136	153.3	148.3	151.0	141.7	162.5	131.5
162	7	369	\$13,590,204	\$2,684,615,084	\$5,496	543	178,499	499	37	153.3	149.0	148.7	143.7	150.0	153.0
163	7	14159	\$2,670,948	\$2,687,286,032	\$177	36	178,535	0	1	153.3	154.0	151.3	152.3	144.0	169.0
164	7	14035	\$21,918,660	\$2,709,204,693	\$17,257	1,117	179,652	966	121	154.0	147.7	147.0	137.0	152.5	146.5
165	7	15177	\$29,518,385	\$2,738,723,078	\$15,613	2,101	181,753	1,736	148	158.0	150.3	151.3	137.0	159.5	145.0
166	7	387	\$13,761,338	\$2,752,484,416	\$1,899	807	182,560	786	21	161.3	157.0	160.0	156.7	164.0	154.0
167	6	229	\$2,610,070	\$2,755,094,485	\$3,693	750	183,310	710	40	164.0	169.3	162.7	170.7	173.5	143.0
168	3	413	\$6,490,960	\$2,761,585,445	\$6,131	78	183,388	18	51	164.7	163.3	167.0	165.7	161.5	174.5
169	3	15950	\$10,151,140	\$2,771,736,585	\$3,127	415	183,803	229	27	166.0	163.7	158.0	156.0	161.5	163.0
170	5	14021	\$3,450,218	\$2,775,186,803	\$12,741	41	183,844	ì	34	167.3	167.7	166.0	166.0	163.0	174.0
171	7	14811	\$6,811,789	\$2,781,998,593	\$9	4,577	188,421	120	0	167.7	167.0	162.0	165.3	178.5	137.5
172	4	14054	\$319,043	\$2,782,317,635	\$124	1,511	189,932	1,390	121	168.0	180.3	179.0	182.0	183.0	154.5
173	7	14716	\$5,787,650	\$2,788,105,286	\$179	410	190,342	0	2	168.3	167.3	157.3	160.3	166.0	156.5
174	6	227	\$347,791	\$2,788,453,076	\$653	552	190,894	515	37	168.7	179.3	167.0	178.7	181.0	141.5
175	5	14022	\$22,051,207	\$2,810,504,283	\$3,650	989	191,883	938	51	168.7	163.0	166.0	158.3	169.0	164.0
176	3	60	\$4,395,190	\$2,814,899,474	\$402	128	192,011	125	3	169.3	170.3	171.3	170.3	169.5	172.0
177	4	481	\$1,646,034	\$2,816,545,507	\$26	201	192,212	95	2	169.7	174.0	173.7	175.7	175.5	164.0
178	8	14756	\$5,031,693	\$2,821,577,200	\$0	1	192,213	1	0	170.7	170.7	170.7	169.7	162.5	187.0
179	7	14715	\$8,828,919	\$2,830,406,120	\$5	2,175	194,388	19	0	172.0	170.7	170.7	169.3	177.0	160.0
180	4	14987	\$25,025,094	\$2,855,431,214	\$1,620	2,123	196,511	2,039	84	176.0	171.0	174.3	168.0	177.0	171.5
181	6	14020	\$7,702,033	\$2,863,133,247	\$796	37	196,548	0	37	177.3	176.7	177.0	175.7	174.5	182.5
182	5	15094	\$27,438,262	\$2,890,571,509	\$2,094	1,990	198,538	1,774	216	179.3	174.3	178.7	174.3	180.0	177.0
183	5	14019	\$3,848,669	\$2,894,420,178	\$59	359	198,897	334	25	182.3	182.3	181.3	181.0	182.5	180.5
184	6	15702	\$2,535,699	\$2,896,955,877	\$20	3,086	201,983	2,582	161	184.0	184.3	184.7	184.3	186.5	180.5
185	7	14058	\$12,401,258	\$2,909,357,135	\$6	3,824	205,807	3,824	0	184.3	183.3	185.7	184.0	186.0	183.0
186	8	119	\$4,856,472	\$2,914,213,606	\$5	385	206,192	364	21	184.7	184.7	185.0	184.3	184.5	185.5
187	8	164	\$3,076,672	\$2,917,290,278	\$24	271	206,463	254	17	185.0	185.0	184.3	184.3	184.5	185.0
0									-/	200.0	200.0	101.5	104.5	104.3	103.0

DC FEEDE	C FEEDER UNDERGROUNDING RANKING MODEL							lm	pacts by	feeder (s	ort Des	c)			
			s main and late			\$\$		SAIFI	- P = 2 (0 W)	10000. (3	SAIDI	-1		CAIDI	
		thru Dec'16		t/Feeder	CMI/\$	CI/\$	System	ОН	New ²	System	OH	New ²	System	ОН	New ²
	m Totals: ▶	453		,290,278	na	na	0.8	0.5	0.3	268	174	94	329	363	281
Selecte	d Impact ▶	41%		0.0%	na	na	na	na	na	na	na	na	na	na	na
Selecte	d Totals: ▶	187	\$2,917	,290,278	0.018	0.00006	1.1	0.8	0.4	373	257	116	326	326	324
Rank	Ward	Feeder	\$	Cum	n	n	n	n	n	n	n	n	n	n	n
153	7	15173	\$35,485,085	\$2,614,133,412	0.001	0.000017	0.5	0.3	0.2	35	19	16	67.2	56.8	84.8
154	4	476	\$14,124,547	\$2,628,257,959	0.001	0.000008	0.8	0.3	0.5	78	26	52	101.1	83.0	113.7
155	8	15631	\$98,165	\$2,628,356,124	0.001	0.000001	0.1	0.1	0.0	68	68	0	472.9	472.9	0.0
156	8	294	\$5,207,901	\$2,633,564,025	0.001	0.000005	0.8	0.3	0.5	114	33	81	134.5	107.9	149.6
157	4	66	\$498,978	\$2,634,063,003	0.004	0.000063	1.7	0.1	1.5	189	9	180	114.0	70.0	117.7
158	8	323	\$5,455,940	\$2,639,518,944	0.001	0.000025	0.4	0.2	0.1	18	13	5	47.0	56.6	31.4
159	8	183	\$7,111,230	\$2,646,630,174	0.004	0.000004	0.2	0.0	0.2	45	26	19	243.3	917.7	123.0
160	8	324	\$6,635,984	\$2,653,266,158	0.001	0.000006	0.3	0.1	0.2	60	31	29	182.6	212.9	158.4
161	5	14017	\$17,758,722	\$2,671,024,880	0.002	0.000015	0.3	0.1	0.2	74	19	56	270.2	159.6	351.7
162	7	369	\$13,590,204	\$2,684,615,084	0.001	0.000009	0.3	0.2	0.0	27	19	7	105.4	85.9	254.9
163	7	14159	\$2,670,948	\$2,687,286,032	0.000	0.000004	0.3	0.3	0.0	21	20	1	72.6	71.3	170.0
164	7	14035	\$21,918,660			0.000011	0.8	0.2	0.6	69	17	53	87.6	74.7	92.6
165	7	15177	\$29,518,385	\$2,738,723,078	0.001	0.000011	0.4	0.2	0.2	17	13	3	42.2	82.0	14.9
166	7	387	\$13,761,338	\$2,752,484,416	0.001	0.000007	0.1	0.1	0.0	18	15	4	125.1	120.9	146.1
167	6	229	\$2,610,070	\$2,755,094,485	0.002	0.000010	0.2	0.0	0.2	85	6	78	454.2	184.6	513.3
168	3	413	\$6,490,960	\$2,761,585,445	0.000	0.000001	0.7	0.0	0.6	178	24	154	256.1	519.7	237.4
169	3	15950	\$10,151,140	\$2,771,736,585	0.000	0.000007	0.2	0.2	0.0	7	4	3	36.2	20.8	369.5
170	5	14021	\$3,450,218	\$2,775,186,803	0.000	0.000002	0.7	0.1	0.5	212	13	200	312.3	88.1	372.0
171	7	14811	\$6,811,789	\$2,781,998,593	0.002	0.000015	0.2	0.0	0.2	22	3	19	125.0	113.9	126.6
172	4	14054	\$319,043	\$2,782,317,635	0.002	0.000002	0.6	0.0	0.6	231	0	231	390.5	1,249.9	389.9
173	7	14716	\$5,787,650	\$2,788,105,286	0.000	0.000010	0.3	0.1	0.1	5	4	2	18.3	24.7	11.9
174	6	227	\$347,791	\$2,788,453,076	0.002	0.000010	1.4	0.0	1.3	429	1	428	317.4	175.8	318.1
175	5	14022	\$22,051,207	\$2,810,504,283	0.000	0.000005	0.1	0.1	0.0	9	8	0	79.2	77.4	172.7
176	3	60	\$4,395,190	\$2,814,899,474	0.000	0.000001	0.1	0.0	0.0	17	10	7	298.8	227.3	592.1
177	4	481	\$1,646,034	\$2,816,545,507	0.001	0.000002	0.2	0.0	0.1	9	7	2	53.6	390.2	14.4
178	8	14756	\$5,031,693	\$2,821,577,200	0.000	0.000000	0.1	0.1	0.0	11	11	0	75.1	75.1	0.0
179	7	14715	\$8,828,919	\$2,830,406,120	0.001	0.000006	0.3	0.0	0.3	842	3	839	2,412.0	125.5	2,580.6
180	4	14987	\$25,025,094	\$2,855,431,214	0.000	0.000002	0.0	0.0	0.0	3	3	0	108.0	107.2	160.9
181	6	14020	\$7,702,033	\$2,863,133,247	0.000	0.000000	0.3	0.0	0.2	25	3	21	94.2	98.7	93.5
182	5	15094	\$27,438,262	\$2,890,571,509	0.000	0.000001	0.26	0.02	0.25	26	2	25	100.6	109.3	100.1
183	5	14019	\$3,848,669	\$2,894,420,178	0.000	0.000000	0.0	0.0	0.0	1	0	1	192.4	73.6	406.2
184	6	15702	\$2,535,699	\$2,896,955,877	0.000	0.000000	1.3	0.0	1.3	161	0	160	127.8	467.9	127.7
185	7	14058	\$12,401,258	\$2,909,357,135	0.000	0.000000	0.1	0.0	0.1	221	0	220	1,535.9	754.1	1,536.7
186	8	119	\$4,856,472	\$2,914,213,606	0.000	0.000000	0.0	0.0	0.0	4	0	4	91.1	324.0	89.3
187	8	164	\$3,076,672	\$2,917,290,278	0.000	0.000000	0.0	0.0	0.0	2	0	2	273.1	166.3	282.8
0															

			RANKING MOD								
			s main and late				Custome	Interrupt	ions (CI)		
		thru Dec'16		t/Feeder	System		ОН		UG CI im	pacts on:	
	n Totals:▶		\$2,917	,290,278	289,360	17	0,471	Total	System	ОН	only
	d Impact ▶	41%		0.0%	81.7%	95	5.3%	F.6	10/	-05	20/
Selecte	d Totals:▶	187		,290,278	236,432	16	2,387	56	5.1%	95	.3%
Rank	Ward	Feeder	\$	Cum	n	n	Cum	%	Cum	%	Cum
153	7	15173	\$35,485,085	\$2,614,133,412	964	607.6	160,402	0.21%	55.43%	0.36%	94.09%
154	4	476	\$14,124,547	\$2,628,257,959	272	111.3	160,513	0.04%	55.47%	0.07%	94.16%
155	8	15631	\$98,165	\$2,628,356,124	0	0.1	160,513	0.00%	55.47%	0.00%	94.16%
156	8	294	\$5,207,901	\$2,633,564,025	67	24.3	160,538	0.01%	55.48%	0.01%	94.17%
157	4	66	\$498,978	\$2,634,063,003	409	31.6	160,569	0.01%	55.49%	0.02%	94.19%
158	8	323	\$5,455,940	\$2,639,518,944	222	137.3	160,707	0.05%	55.54%	0.08%	94.27%
159	8	183	\$7,111,230	\$2,646,630,174	196	29.7	160,736	0.01%	55.55%	0.02%	94.29%
160	8	324	\$6,635,984	\$2,653,266,158	83	36.9	160,773	0.01%	55.56%	0.02%	94.31%
161	5	14017	\$17,758,722	\$2,671,024,880	631	267.6	161,041	0.09%	55.65%	0.16%	94.47%
162	7	369	\$13,590,204	\$2,684,615,084	137	121.6	161,162	0.04%	55.70%	0.07%	94.54%
163	7	14159	\$2,670,948		10	10.3	161,173	0.00%	55.70%	0.01%	94.55%
164	7	14035	\$21,918,660	\$2,709,204,693	886	246.9	161,419	0.09%	55.79%	0.14%	94.69%
165	7	15177	\$29,518,385		828	337.0	161,756	0.12%	55.90%	0.20%	94.89%
166	7	387	\$13,761,338		118	98.3	161,855	0.03%	55.94%	0.06%	94.95%
167	6	229	\$2,610,070	\$2,755,094,485	140	25.1	161,880	0.01%	55.94%	0.00%	94.96%
168	3	413	\$6,490,960		54	3.6	161,883	0.00%	55.95%	0.00%	94.96%
169	3	15950	\$10,151,140	\$2,771,736,585	78	74.3	161,958	0.03%	55.97%	0.00%	95.01%
170	5	14021	\$3,450,218	\$2,775,186,803	28	5.9	161,964	0.00%	55.97%	0.00%	95.01%
171	7	14811	\$6,811,789	\$2,781,998,593	789	101.4	162,065	0.04%	56.01%	0.06%	95.07%
172	4	14054	\$319,043	\$2,782,317,635	894	0.6	162,066	0.00%	56.01%	0.00%	95.07%
173	7	14716	\$5,787,650	\$2,788,105,286	118	59.3	162,125	0.02%	56.03%	0.03%	95.10%
174	6	227	\$347,791	\$2,788,453,076	746	3.6	162,128	0.00%	56.03%	0.00%	95.10%
175	5	14022	\$22,051,207	\$2,810,504,283	106	104.1	162,233	0.04%	56.07%	0.06%	95.11%
176	3	60	\$4,395,190	\$2,814,899,474	7	5.9	162,238	0.00%	56.07%	0.00%	95.17%
177	4	481	\$1,646,034	\$2,816,545,507	33	3.4	162,242	0.00%	56.07%	0.00%	1001745.7017745744110
178	8	14756	\$5,031,693	\$2,821,577,200	0	0.1	162,242	0.00%	56.07%	0.00%	95.17%
179	7	14715	\$8,828,919	\$2,830,406,120	759	52.1	162,294	0.02%	56.09%		95.17%
180	4	14987	\$25,025,094	\$2,855,431,214	59	58.6	162,353	0.02%	56.11%	0.03%	95.20%
181	6	14020	\$7,702,033	\$2,863,133,247	10	1.3	162,354	0.02%			95.24%
182	5	15094	\$27,438,262	\$2,890,571,509	520	29.9			56.11%	0.00%	95.24%
183	5	14019	\$3,848,669	\$2,894,420,178	2	1.3	162,384 162,385	0.01%	56.12% 56.12%	0.02%	95.26%
184	6	15702	\$2,535,699	\$2,896,955,877	3,877	0.6	162,386	0.00%		0.00%	95.26%
185	7	14058	\$12,401,258	\$2,909,357,135	549	0.6			56.12%	0.00%	95.26%
186	8	119	\$4,856,472	\$2,914,213,606	19	0.6	162,386 162,386	0.00%	56.12%	0.00%	95.26%
187	8	164	\$3,076,672	\$2,917,290,278	2	0.1		0.00%	56.12%	0.00%	95.26%
0		104	73,070,072	72,311,230,270	2	0.1	162,387	0.00%	56.12%	0.00%	95.26%

			RANKING MOD								
			s main and late	erals		Custom	er Minutes/In	terruption	n (CMI)		
for Outa	ges Jan'10	thru Dec'16	UG Cos	t/Feeder	System	C	OH		UG CMI i	mpacts on	
	n Totals:▶	453	\$2,917	,290,278	95,241,526	61,83	30,777	Total 9	System	OH	
	d Impact ▶	41%		0.0%	80.8%		.7%		70/	0.5	70/
Selecte	d Totals:▶	187	\$2,917	,290,278	76,971,293	53,03	17,049	55.	.7%	85.	7%
Rank	Ward	Feeder	\$	Cum	n	n	Cum	%	Cum	%	Cum
153	7	15173	\$35,485,085	\$2,614,133,412	64,776	34,515	52,797,451	0.04%	55.44%	0.06%	85.39%
154	4	476	\$14,124,547	\$2,628,257,959	27,494	9,241	52,806,692	0.01%	55.45%	0.01%	85.41%
155	8	15631	\$98,165	\$2,628,356,124	68	68	52,806,759	0.00%	55.45%	0.00%	85.41%
156	8	294	\$5,207,901	\$2,633,564,025	9,012	2,621	52,809,380	0.00%	55.45%	0.00%	85.41%
157	4	66	\$498,978	\$2,634,063,003	46,586	2,208	52,811,589	0.00%	55.45%	0.00%	85.41%
158	8	323	\$5,455,940	\$2,639,518,944	10,419	7,767	52,819,355	0.01%		0.01%	85.43%
159	8	183	\$7,111,230	\$2,646,630,174	47,763	27,269	52,846,625	0.03%		0.04%	85.47%
160	8	324	\$6,635,984	\$2,653,266,158	15,107	7,845	52,854,470	0.01%		0.01%	85.48%
161	5	14017	\$17,758,722	\$2,671,024,880	170,431	42,698	52,897,168	0.04%		0.07%	85.55%
162	7	369	\$13,590,204	\$2,684,615,084	14,485	10,443	52,907,611	0.01%		0.02%	85.57%
163	7	14159	\$2,670,948	\$2,687,286,032	757	733	52,908,344	0.00%		0.00%	85.57%
164	7	14035	\$21,918,660	\$2,709,204,693	77,626	18,441	52,926,785	0.02%		0.03%	85.60%
165	7	15177	\$29,518,385	\$2,738,723,078	34,961	27,646	52,954,432	0.03%	55.60%	0.04%	85.64%
166	7	387	\$13,761,338	\$2,752,484,416	14,764	11,884	52,966,316	0.01%	55.61%	0.02%	85.66%
167	6	229	\$2,610,070	\$2,755,094,485	63,452	4,641	52,970,956	0.00%		0.01%	85.67%
168	3	413	\$6,490,960	\$2,761,585,445	13,864	1,856	52,972,812	0.00%	55.62%	0.00%	85.67%
169	3	15950	\$10,151,140	\$2,771,736,585	2,811	1,545	52,974,357	0.00%		0.00%	85.68%
170	5	14021	\$3,450,218	\$2,775,186,803	8,699	516	52,974,873	0.00%	55.62%	0.00%	85.68%
171	7	14811	\$6,811,789	\$2,781,998,593	98,619	11,550	52,986,423	0.01%	55.63%	0.02%	85.70%
172	4	14054	\$319,043	\$2,782,317,635	349,197	714	52,987,137	0.00%	55.63%	0.00%	85.70%
173	. 7	14716	\$5,787,650	\$2,788,105,286	2,158	1,463	52,988,600	0.00%	55.64%	0.00%	85.70%
174	6	227	\$347,791	\$2,788,453,076	236,705	628	52,989,228	0.00%	55.64%	0.00%	85.70%
175	5	14022	\$22,051,207	\$2,810,504,283	8,410	8,065	52,997,293	0.01%	55.65%	0.01%	85.71%
176	3	60	\$4,395,190	\$2,814,899,474	2,177	1,331	52,998,624	0.00%	55.65%	0.00%	85.72%
177	4	481	\$1,646,034	\$2,816,545,507	1,760	1,338	52,999,962	0.00%	55.65%	0.00%	85.72%
178	8	14756	\$5,031,693	\$2,821,577,200	11	11	52,999,973	0.00%	55.65%	0.00%	85.72%
179	7	14715	\$8,828,919	\$2,830,406,120	1,831,739	6,544	53,006,517	0.01%	55.65%	0.01%	85.73%
180	4	14987	\$25,025,094	\$2,855,431,214	6,418	6,280	53,012,797	0.01%	55.66%	0.01%	85.74%
181	6	14020	\$7,702,033	\$2,863,133,247	915	127	53,012,737	0.00%	55.66%	0.00%	85.74%
182	5	15094	\$27,438,262	\$2,890,571,509	52,315	3,262	53,016,186	0.00%	55.66%	0.00%	85.74%
183	5	14019	\$3,848,669	\$2,894,420,178	385	95	53,016,281	0.00%	55.67%	0.01%	85.74%
184	6	15702	\$2,535,699	\$2,896,955,877	495,444	267	53,016,548	0.00%	55.67%	0.00%	85.74%
185	7	14058	\$12,401,258	\$2,909,357,135	843,400	431	53,016,979	0.00%	55.67%	0.00%	85.75%
186	8	119	\$4,856,472	\$2,914,213,606	1,705	46	53,017,025	0.00%	55.67%	0.00%	85.75%
187	8	164	\$3,076,672	\$2,917,290,278	468	24	53,017,029	0.00%	55.67%	0.00%	85.75%
0						-7	22,327,043	0.0070	33.07/6	0.00/8	03.7370

DC FEEDER UNDERGROUNDING RANKING MODEL For Undergrounding each feeder's main and laterals For Outages Jan'10 thru Dec'16 UG Cost/Feeder System Totals: ▶ 453 \$2,917,290,278 Main line Transformers Risers Cables	Permits
For Outages Jan'10 thru Dec'16 UG Cost/Feeder Main Line Main Line Primary Lateral Cables Primary Lateral Cables Overhead line removal Selected Impact ► 41% 100.0% Main line Transformers Risers Cables Transformers Inransformers Selected Totals: ► 187 \$2,917,290,278 \$1,495,610,400 \$272,609,000 \$0 \$858,446,728 \$227,375,632 \$42,358,954 \$ Rank Ward Feeder \$ Cum \$	
System Totals: 453 \$2,917,290,278 Main line Line Transformers Lateral Cables Laterals Transformers Overhead line removal Selected Totals: 187 \$2,917,290,278 \$1,495,610,400 \$272,609,000 \$0 \$858,446,728 \$227,375,632 \$42,358,954 \$ Rank Ward Feeder \$ Cum \$	
System Totals: 453 \$2,917,290,278 Main line Line Transformers Lateral Cables Laterals Transformers Overhead line removal Selected Totals: 187 \$2,917,290,278 \$1,495,610,400 \$272,609,000 \$0 \$858,446,728 \$227,375,632 \$42,358,954 \$ Rank Ward Feeder \$ Cum \$	
Selected Impact ► 41% 100.0% Main line Transformers Risers Cables Transformers line removal Selected Totals: ► 187 \$2,917,290,278 \$1,495,610,400 \$272,609,000 \$0 \$858,446,728 \$227,375,632 \$42,358,954 \$ 153 7 15173 \$35,485,085 \$2,614,133,412 \$23,850,548 \$4,913,032 \$0 \$4,479,909 \$1,326,903 \$612,590 154 4 476 \$14,124,547 \$2,628,257,959 \$6,917,480 \$1,063,680 \$0 \$4,949,087 \$1,003,850 \$132,907 155 8 15631 \$98,165 \$2,628,356,124 \$15,138 \$0 \$4,998 \$77,772 \$1722 156 8 294 \$5,207,901 \$2,633,564,025 \$4,256,300 \$738,608 \$0 \$57,033 \$15,423 \$94,121 157 4 66 \$498,978 \$2,634,063,003 \$25,229 \$0 \$0 \$301,047 \$157,218 \$10,370 158 8<	
Selected Totals: ▶ 187 \$2,917,290,278 \$1,495,610,400 \$272,609,000 \$0 \$858,446,728 \$227,375,632 \$42,358,954 Rank Ward Feeder \$	
Rank Ward Feeder \$ Cum \$	\$30 000 FC4
153 7 15173 \$35,485,085 \$2,614,133,412 \$23,850,548 \$4,913,032 \$0 \$4,479,909 \$1,326,903 \$512,590 154 4 476 \$14,124,547 \$2,628,257,959 \$6,917,480 \$1,063,680 \$0 \$4,941,087 \$1,003,850 \$132,907 155 8 15631 \$98,165 \$2,628,356,124 \$15,138 \$0 \$0 \$4,998 \$77,772 \$172 156 8 294 \$5,207,901 \$2,633,564,025 \$4,256,300 \$738,608 \$0 \$57,033 \$15,423 \$94,121 157 4 66 \$498,978 \$2,634,063,003 \$25,229 \$0 \$0 \$301,047 \$157,218 \$10,370 158 8 323 \$5,455,940 \$2,639,518,944 \$3,163,401 \$1,156,724 \$0 \$642,611 \$351,339 \$95,011 159 8 183 \$7,111,230 \$2,646,630,174 \$4,800,937 \$929,134 \$0 \$942,536 \$269,512 \$113,257 160 8 324 \$6,635,984 \$2,653,266,158 \$4,967,476 \$914,262 \$0 \$458,149 \$128,839 \$112,016 161 5 14017 \$17,758,722 \$2,671,024,880 \$9,751,948 \$2,797,366 \$0 \$3,391,257 \$1,349,674 \$313,750 162 7 369 \$13,590,204 \$2,684,615,084 \$7,421,693 \$2,002,204 \$0 \$2,747,856 \$1,100,061 \$213,233 163 7 14159 \$2,670,948 \$2,687,286,032 \$2,575,650 \$0 \$0 \$0 \$0 \$63,824 164 7 14035 \$221,918,660 \$2,709,204,693 \$12,109,593 \$1,426,708 \$0 \$4,869,533 \$1,491,022 \$209,870 166 7 387 \$13,761,338 \$2,752,484,416 \$6,011,300 \$1,256,114 \$0 \$4,689,533 \$1,491,022 \$209,870 168 3 413 \$6,490,960 \$2,751,585,445 \$4,063,102 \$452,564 \$0 \$1,570,674 \$249,061 \$104,181 169 3 15950 \$10,151,140 \$2,771,736,585 \$5,891,871 \$1,151,456 \$0 \$2,350,310 \$545,885 \$141,725 169 3 15950 \$10,151,140 \$2,771,36,585 \$5,891,871 \$1,151,456 \$0 \$2,350,310 \$545,885 \$141,725 169 3 15950 \$10,151,140 \$2,771,736,585 \$5,891,871 \$1,151,456 \$0 \$2,350,310 \$545,885 \$141,725 169 3 15950 \$10,151,140 \$2,771,736,585 \$5,891,871 \$1,151,5456 \$0 \$2,350,310 \$545,885 \$141,725 169 3 15950 \$10,151,140	\$20,889,564
154	\$302,102
155 8 15631 \$98,165 \$2,628,356,124 \$15,138 \$0 \$0 \$4,998 \$77,772 \$172 156 8 294 \$5,207,901 \$2,633,564,025 \$4,256,300 \$738,608 \$0 \$57,033 \$15,423 \$94,121 157 4 66 \$498,978 \$2,634,063,003 \$25,229 \$0 \$0 \$301,047 \$157,218 \$10,370 158 8 323 \$5,455,940 \$2,639,518,944 \$3,163,401 \$1,156,724 \$0 \$642,611 \$351,339 \$95,011 159 8 183 \$7,111,230 \$2,646,630,174 \$4,800,937 \$929,134 \$0 \$942,536 \$269,512 \$113,257 160 8 324 \$6,635,984 \$2,653,266,158 \$4,967,476 \$914,262 \$0 \$458,149 \$128,839 \$112,016 161 5 14017 \$17,758,722 \$2,671,024,880 \$9,751,948 \$2,797,366 \$0 \$3,391,257 \$1,349,674 \$313,750 162 7 369 \$13,590,204 \$2,684,615,084 \$7,421,693 \$2,002,204 \$0 \$2,747,856 \$1,100,061 \$213,233 163 7 14159 \$2,670,948 \$2,687,286,032 \$2,575,650 \$0 \$0 \$0 \$0 \$6,761,008 \$1,056,724 \$378,144 165 7 15177 \$29,518,385 \$2,738,723,078 \$17,828,743 \$4,827,414 \$0 \$4,689,533 \$1,491,022 \$209,870 168 3 413 \$6,490,960 \$2,755,094,485 \$267,484 \$0 \$0 \$2,250,310 \$545,885 \$141,725 169 3 15950 \$10,151,140 \$2,771,736,585 \$5,891,871 \$1,151,456 \$0 \$2,2350,310 \$545,885 \$141,725 250 \$2,600,070 \$2,771,736,585 \$5,891,871 \$1,151,456 \$0 \$2,2350,310 \$545,885 \$141,725 250 \$1,000,000 \$2,750,000 \$2,771,736,585 \$5,891,871 \$1,151,456 \$0 \$2,2350,310 \$545,885 \$141,725 251 \$2,600,000 \$2,771,736,585 \$5,891,871 \$1,151,456 \$0 \$2,2350,310 \$545,885 \$141,725 252 \$2,600,000 \$2,771,736,585 \$5,891,871 \$1,151,456 \$0 \$2,2350,310 \$545,885 \$141,725 252 \$2,600,000 \$2,771,736,585 \$5,891,871 \$1,151,456 \$0 \$2,2350,310 \$545,885 \$141,725 252 \$2,600,000 \$2,771,736,585 \$5,891,871 \$1,151,456 \$0 \$2,2350,310 \$545,885 \$141,725 252 \$2,600,000 \$2,771,736,585 \$5,891,871 \$1,151,456 \$0 \$2,2350,	\$65,544
156 8 294 \$5,207,901 \$2,633,564,025 \$4,256,300 \$738,608 \$0 \$57,033 \$15,423 \$94,121 \$157 \$4 \$66 \$498,978 \$2,634,063,003 \$25,229 \$0 \$0 \$0 \$301,047 \$157,218 \$10,370 \$158 \$8 323 \$5,455,940 \$2,639,518,944 \$3,163,401 \$1,156,724 \$0 \$642,611 \$351,339 \$95,011 \$159 \$8 183 \$7,111,230 \$2,646,630,174 \$4,800,937 \$929,134 \$0 \$942,536 \$269,512 \$113,257 \$160 \$8 324 \$6,635,984 \$2,653,266,158 \$4,967,476 \$914,262 \$0 \$458,149 \$128,839 \$112,016 \$161 \$5 \$14017 \$17,758,722 \$2,671,024,880 \$9,751,948 \$2,797,366 \$0 \$3,391,257 \$1,349,674 \$313,750 \$162 \$7 \$369 \$13,590,204 \$2,684,615,084 \$7,421,693 \$2,002,204 \$0 \$2,747,856 \$1,100,061 \$213,233 \$163 \$7 \$14159 \$2,670,948 \$2,687,286,032 \$2,575,650 \$0 \$0 \$0 \$0 \$0 \$0 \$63,824 \$164 \$7 \$14035 \$21,918,660 \$2,709,204,693 \$12,109,593 \$1,426,708 \$0 \$4,361,213 \$1,686,532 \$545,478 \$166 \$7 \$387 \$13,761,338 \$2,752,484,416 \$6,011,300 \$1,256,114 \$0 \$4,689,533 \$1,491,022 \$209,870 \$168 \$3 \$413 \$6,490,960 \$2,761,585,445 \$4,063,102 \$452,564 \$0 \$1,570,674 \$249,061 \$104,181 \$169 \$3 \$15950 \$10,151,140 \$2,771,736,585 \$5,891,871 \$1,151,456 \$0 \$2,350,310 \$545,885 \$141,725	\$65,544
157 4 66 \$498,978 \$2,634,063,003 \$25,229 \$0 \$0 \$301,047 \$157,218 \$10,370 158 8 323 \$5,455,940 \$2,639,518,944 \$3,163,401 \$1,156,724 \$0 \$642,611 \$351,339 \$95,011 159 8 183 \$7,111,230 \$2,646,630,174 \$4,800,937 \$929,134 \$0 \$942,536 \$269,512 \$113,257 160 8 324 \$6,635,984 \$2,653,266,158 \$4,967,476 \$914,262 \$0 \$458,149 \$128,839 \$112,016 161 5 14017 \$17,758,722 \$2,671,024,880 \$9,751,948 \$2,797,366 \$0 \$3,391,257 \$1,349,674 \$313,750 162 7 369 \$13,590,204 \$2,684,615,084 \$7,421,693 \$2,002,204 \$0 \$2,747,856 \$1,100,061 \$213,233 163 7 14159 \$2,670,948 \$2,687,286,032 \$2,575,650 \$0 \$0 \$0 \$0 \$63,824	\$46,416
158 8 323 \$5,455,940 \$2,639,518,944 \$3,163,401 \$1,156,724 \$0 \$642,611 \$351,339 \$95,011 159 8 183 \$7,111,230 \$2,646,630,174 \$4,800,937 \$929,134 \$0 \$942,536 \$269,512 \$113,257 160 8 324 \$6,635,984 \$2,653,266,158 \$4,967,476 \$914,262 \$0 \$458,149 \$128,839 \$112,016 161 5 14017 \$17,758,722 \$2,671,024,880 \$9,751,948 \$2,797,366 \$0 \$3,391,257 \$1,349,674 \$313,750 162 7 369 \$13,590,204 \$2,684,615,084 \$7,421,693 \$2,002,204 \$0 \$2,747,856 \$1,100,061 \$213,233 163 7 14159 \$2,670,948 \$2,687,286,032 \$2,575,650 \$0 \$0 \$0 \$63,824 164 7 14035 \$21,918,660 \$2,709,204,693 \$12,109,593 \$1,426,708 \$0 \$6,761,008 \$1,056,724 \$378,144	
159 8 183 \$7,111,230 \$2,646,630,174 \$4,800,937 \$929,134 \$0 \$942,536 \$269,512 \$113,257 160 8 324 \$6,635,984 \$2,653,266,158 \$4,967,476 \$914,262 \$0 \$458,149 \$128,839 \$112,016 161 5 14017 \$17,758,722 \$2,671,024,880 \$9,751,948 \$2,797,366 \$0 \$3,391,257 \$1,349,674 \$313,750 162 7 369 \$13,590,204 \$2,684,615,084 \$7,421,693 \$2,002,204 \$0 \$2,747,856 \$1,100,061 \$213,233 163 7 14159 \$2,670,948 \$2,687,286,032 \$2,575,650 \$0 \$0 \$0 \$63,824 164 7 14035 \$21,918,660 \$2,709,204,693 \$12,109,593 \$1,426,708 \$0 \$6,761,008 \$1,056,724 \$378,144 165 7 15177 \$29,518,385 \$2,738,723,078 \$17,828,743 \$4,827,414 \$0 \$4,361,213 \$1,686,532 \$545,478	\$5,114 \$46,855
160 8 324 \$6,635,984 \$2,653,266,158 \$4,967,476 \$914,262 \$0 \$458,149 \$128,839 \$112,016 161 5 14017 \$17,758,722 \$2,671,024,880 \$9,751,948 \$2,797,366 \$0 \$3,391,257 \$1,349,674 \$313,750 162 7 369 \$13,590,204 \$2,684,615,084 \$7,421,693 \$2,002,204 \$0 \$2,747,856 \$1,100,061 \$213,233 163 7 14159 \$2,670,948 \$2,687,286,032 \$2,575,650 \$0 \$0 \$0 \$63,824 164 7 14035 \$21,918,660 \$2,709,204,693 \$12,109,593 \$1,426,708 \$0 \$6,761,008 \$1,056,724 \$378,144 165 7 15177 \$29,518,385 \$2,738,723,078 \$17,828,743 \$4,827,414 \$0 \$4,361,213 \$1,686,532 \$545,478 166 7 387 \$13,761,338 \$2,752,484,416 \$6,011,300 \$1,256,114 \$0 \$4,689,533 \$1,491,022 \$209,870	\$55,853
161 5 14017 \$17,758,722 \$2,671,024,880 \$9,751,948 \$2,797,366 \$0 \$3,391,257 \$1,349,674 \$313,750 162 7 369 \$13,590,204 \$2,684,615,084 \$7,421,693 \$2,002,204 \$0 \$2,747,856 \$1,100,061 \$213,233 163 7 14159 \$2,670,948 \$2,687,286,032 \$2,575,650 \$0 \$0 \$0 \$63,824 164 7 14035 \$21,918,660 \$2,709,204,693 \$12,109,593 \$1,426,708 \$0 \$6,761,008 \$1,056,724 \$378,144 165 7 15177 \$29,518,385 \$2,738,723,078 \$17,828,743 \$4,827,414 \$0 \$4,361,213 \$1,686,532 \$545,478 166 7 387 \$13,761,338 \$2,752,484,416 \$6,011,300 \$1,256,114 \$0 \$4,689,533 \$1,491,022 \$209,870 167 6 229 \$2,610,070 \$2,755,094,485 \$267,484 \$0 \$0 \$2,004,597 \$234,991 \$68,980	\$55,853
162 7 369 \$13,590,204 \$2,684,615,084 \$7,421,693 \$2,002,204 \$0 \$2,747,856 \$1,100,061 \$213,233 163 7 14159 \$2,670,948 \$2,687,286,032 \$2,575,650 \$0 \$0 \$0 \$63,824 164 7 14035 \$21,918,660 \$2,709,204,693 \$12,109,593 \$1,426,708 \$0 \$6,761,008 \$1,056,724 \$378,144 165 7 15177 \$29,518,385 \$2,738,723,078 \$17,828,743 \$4,827,414 \$0 \$4,361,213 \$1,686,532 \$545,478 166 7 387 \$13,761,338 \$2,752,484,416 \$6,011,300 \$1,256,114 \$0 \$4,689,533 \$1,491,022 \$209,870 167 6 229 \$2,610,070 \$2,755,094,485 \$267,484 \$0 \$0 \$2,004,597 \$234,991 \$68,980 168 3 413 \$6,490,960 \$2,761,585,445 \$4,063,102 \$452,564 \$0 \$1,570,674 \$249,061 \$104,181	\$154,728
163 7 14159 \$2,670,948 \$2,687,286,032 \$2,575,650 \$0 \$0 \$0 \$63,824 164 7 14035 \$21,918,660 \$2,709,204,693 \$12,109,593 \$1,426,708 \$0 \$6,761,008 \$1,056,724 \$378,144 165 7 15177 \$29,518,385 \$2,738,723,078 \$17,828,743 \$4,827,414 \$0 \$4,361,213 \$1,686,532 \$545,478 166 7 387 \$13,761,338 \$2,752,484,416 \$6,011,300 \$1,256,114 \$0 \$4,689,533 \$1,491,022 \$209,870 167 6 229 \$2,610,070 \$2,755,094,485 \$267,484 \$0 \$0 \$2,004,597 \$234,991 \$68,980 168 3 413 \$6,490,960 \$2,761,585,445 \$4,063,102 \$452,564 \$0 \$1,570,674 \$249,061 \$104,181 169 3 15950 \$10,151,140 \$2,771,736,585 \$5,891,871 \$1,151,456 \$0 \$2,350,310 \$545,885 \$141,725	\$105,157
164 7 14035 \$21,918,660 \$2,709,204,693 \$12,109,593 \$1,426,708 \$0 \$6,761,008 \$1,056,724 \$378,144 165 7 15177 \$29,518,385 \$2,738,723,078 \$17,828,743 \$4,827,414 \$0 \$4,361,213 \$1,686,532 \$545,478 166 7 387 \$13,761,338 \$2,752,484,416 \$6,011,300 \$1,256,114 \$0 \$4,689,533 \$1,491,022 \$209,870 167 6 229 \$2,610,070 \$2,755,094,485 \$267,484 \$0 \$0 \$2,004,597 \$234,991 \$68,980 168 3 413 \$6,490,960 \$2,761,585,445 \$4,063,102 \$452,564 \$0 \$1,570,674 \$249,061 \$104,181 169 3 15950 \$10,151,140 \$2,771,736,585 \$5,891,871 \$1,151,456 \$0 \$2,350,310 \$545,885 \$141,725	\$31,475
165 7 15177 \$29,518,385 \$2,738,723,078 \$17,828,743 \$4,827,414 \$0 \$4,361,213 \$1,686,532 \$545,478 166 7 387 \$13,761,338 \$2,752,484,416 \$6,011,300 \$1,256,114 \$0 \$4,689,533 \$1,491,022 \$209,870 167 6 229 \$2,610,070 \$2,755,094,485 \$267,484 \$0 \$0 \$2,004,597 \$234,991 \$68,980 168 3 413 \$6,490,960 \$2,761,585,445 \$4,063,102 \$452,564 \$0 \$1,570,674 \$249,061 \$104,181 169 3 15950 \$10,151,140 \$2,771,736,585 \$5,891,871 \$1,151,456 \$0 \$2,350,310 \$545,885 \$141,725	\$186,484
166 7 387 \$13,761,338 \$2,752,484,416 \$6,011,300 \$1,256,114 \$0 \$4,689,533 \$1,491,022 \$209,870 167 6 229 \$2,610,070 \$2,755,094,485 \$267,484 \$0 \$0 \$2,004,597 \$234,991 \$68,980 168 3 413 \$6,490,960 \$2,761,585,445 \$4,063,102 \$452,564 \$0 \$1,570,674 \$249,061 \$104,181 169 3 15950 \$10,151,140 \$2,771,736,585 \$5,891,871 \$1,151,456 \$0 \$2,350,310 \$545,885 \$141,725	\$269,005
167 6 229 \$2,610,070 \$2,755,094,485 \$267,484 \$0 \$0 \$2,004,597 \$234,991 \$68,980 168 3 413 \$6,490,960 \$2,761,585,445 \$4,063,102 \$452,564 \$0 \$1,570,674 \$249,061 \$104,181 169 3 15950 \$10,151,140 \$2,771,736,585 \$5,891,871 \$1,151,456 \$0 \$2,350,310 \$545,885 \$141,725	\$103,499
168 3 413 \$6,490,960 \$2,761,585,445 \$4,063,102 \$452,564 \$0 \$1,570,674 \$249,061 \$104,181 169 3 15950 \$10,151,140 \$2,771,736,585 \$5,891,871 \$1,151,456 \$0 \$2,350,310 \$545,885 \$141,725	\$34,018
169 3 15950 \$10,151,140 \$2,771,736,585 \$5,891,871 \$1,151,456 \$0 \$2,350,310 \$545,885 \$141,725	\$51,377
470,000 9141,725	\$69,893
	\$44,394
171 7 14811 \$6,811,789 \$2,781,998,593 \$6,490,368 \$77,772 \$0 \$0 \$0 \$163,177	\$80,472
172 4 14054 \$319,043 \$2,782,317,635 \$2,523 \$0 \$0 \$264,114 \$52,406 \$0	\$0,472
173 7 14716 \$5,787,650 \$2,788,105,286 \$5,496,491 \$77,772 \$0 \$0 \$0 \$142,910	\$70,477
174 6 227 \$347,791 \$2,788,453,076 \$5,046 \$0 \$0 \$279,490 \$52,406 \$7,265	\$3,583
175 5 14022 \$22,051,207 \$2,810,504,283 \$7,990,939 \$2,013,009 \$0 \$8,498,952 \$3,138,112 \$274,716	\$135,478
176 3 60 \$4,395,190 \$2,814,899,474 \$2,171,523 \$335,243 \$0 \$1,491,063 \$346,036 \$34,374	\$16,952
177 4 481 \$1,646,034 \$2,816,545,507 \$1,024,698 \$241,789 \$0 \$245,524 \$98,014 \$24,116	\$10,932
178 8 14756 \$5,031,693 \$2,821,577,200 \$4,504,345 \$48,593 \$0 \$278,254 \$3,813 \$131,726	\$64,962
179 7 14715 \$8,828,919 \$2,830,406,120 \$7,990,008 \$97,749 \$0 \$428,845 \$7,063 \$204,435	\$100,819
180 4 14987 \$25,025,094 \$2,855,431,214 \$10,174,467 \$1,950,282 \$0 \$9,824,934 \$2,539,907 \$358,639	\$176,865
181 6 14020 \$7,702,033 \$2,863,133,247 \$7,362,841 \$77,772 \$0 \$0 \$0 \$175,079	\$86,341
182 5 15094 \$27,438,262 \$2,890,571,509 \$14,684,450 \$261,184 \$0 \$11,265,326 \$259,530 \$648,138	\$319,633
183 5 14019 \$3,848,669 \$2,894,420,178 \$3,716,241 \$0 \$0 \$0 \$0 \$88,690	\$43,738
184 6 15702 \$2,535,699 \$2,896,955,877 \$1,051,865 \$121,396 \$0 \$1,112,185 \$218,407 \$21,328	\$10,518
185 7 14058 \$12,401,258 \$2,909,357,135 \$11,835,324 \$104,812 \$0 \$0 \$0 \$308,824	\$152,298
186 8 119 \$4,856,472 \$2,914,213,606 \$3,567,182 \$1,169,425 \$0 \$1,000 \$508 \$79,266	\$39,090
187 8 164 \$3,076,672 \$2,917,290,278 \$2,120,739 \$883,568 \$0 \$1,000 \$642 \$47,365	\$23,358
0	720,000

¹ Customer Counts

For each feeder, use max CI (from 36-month outage data) where it is greater than the system customer count, otherwise, use the system number.

² The "New" value is the net system value if you were to underground the feeder and reduce the system value by 100% of the feeder's overhead primary outage activity.

³ Cost Components

Main Line Transformer costs are incurred only when undergrounding both Main Line and Primary Laterals.

Main Riser costs are incurred when undergrounding Main Line only.

Service Line & Street Lighting data are not included in this analysis.

B. L. CLARK
Direct Exhibit
DC P.S.C. -- July, 2017

Introduced as: PEPCO _____ (B) - 2

Selected Outages - Feeder 14900

Most impactful outages that activated a protective device on Feeder 14900 along Oregon Avenue, NW during the period from 2010-2016.

Region	District	State	Substation	Circuit	Phase	Outage Begin Time	Restoration Time	Outage Duration (Minutes)	Customers Interrupted	Customer Minutes of Interruption	Customers Served	Outage Cause
PEPCO	District of Columbia	DC	Harrison	14900	ABC	7/8/2010 11:27	7/8/2010 12:07			13469.5	The second second	Load
PEPCO	District of Columbia	DC	Harrison	14900	ABC	8/12/2010 7:29	8/13/2010 1:07	1057.616667	588	621878.6		Tree Outside ROW - Down
PEPCO	District of Columbia	DC	Harrison	14900	ABC	8/12/2010 7:29	8/13/2010 0:16	1006.616667		110727.8333		Tree Outside ROW - Down
PEPCO	District of Columbia	DC	Harrison	14900	Α	4/6/2011 12:51	4/6/2011 15:31	159.4166667		93896.41667		Load
PEPCO	District of Columbia	DC	Harrison	14900	ABC	6/2/2012 11:57	6/2/2012 19:34	456.2166667		47902.75		Tree Outside ROW - Down
PEPCO	District of Columbia	DC	Harrison	14900	AB	7/18/2012 16:25	7/18/2012 19:56			139594.9333		Weather / Lightning
PEPCO	District of Columbia	DC	Harrison	14900	ABC	7/9/2015 12:46	7/9/2015 13:05			13084.8		Tree ROW - Limb

J. F. JANOCHA
Direct Testimony
DC P.S.C. -- July, 2017

Introduced as:
PEPCO _____ (C)

POTOMAC ELECTRIC POWER COMPANY

BEFORE THE PUBLIC SERVICE COMMISSION OF THE DISTRICT OF COLUMBIA DIRECT TESTIMONY OF JOSEPH F. JANOCHA FORMAL CASE NO. 1145

1 Q1. Please state your name and position.

6

7

8

9

10

11

12

13

14

15

16

17

18

19

A2.

2 A1. My name is Joseph F. Janocha. I am the Manager of Retail Rates for Pepco 3 Holdings, LLC. I am testifying on behalf of Potomac Electric Power Company 4 (Pepco or the Company).

5 Q2. Please state your educational background and professional qualifications.

I have a Bachelor of Engineering degree with a concentration in Mechanical Engineering from Stevens Institute of Technology. I am a Registered Professional Engineer in the State of New Jersey and the Commonwealth of Pennsylvania. I began my career with Philadelphia Electric Company (PECO) in 1982 as an engineer in the Mechanical Engineering Division. From 1982 through 1992, I held various positions in PECO's Mechanical Engineering, Nuclear Quality Assurance, and Nuclear Engineering Divisions. I joined Atlantic City Electric Company (ACE) in 1992 as a Senior Engineer in the Joint Generation Department. In 1998, I joined the Regulatory Affairs group as a Coordinator, responsible for the design and administration of electric rates for the ACE subsidiary. In March 2005, I was promoted to Regulatory Affairs Manager, responsible for rate design and administration for Delmarva Power & Light (Delmarva Power) and ACE. In January 2011, I was promoted to Manager of Rate Economics. In this capacity, I was responsible for the development and administration of electric and gas delivery rates,

as well as tariff surcharges for Pepco, Delmarva Power and ACE. In June 2016, I
was promoted to my current position, in which I am now responsible for electric
distribution and gas delivery cost of service and rate design activities.

4 Q3. Have you previously presented testimony before a regulatory body?

A3. Yes. I have testified in DC PLUG initiative proceedings (Formal Case Nos. 1116 and 1121) and other rate proceedings before the Public Services Commission of the District of Columbia. I have also testified before the Maryland Public Service Commission, the New Jersey Board of Public Utilities, the Delaware Public Service Commission, and the State Corporation Commission of Virginia.

Q4. What is the purpose of your Direct Testimony?

A4.

The purpose of my Direct Testimony is to provide a description of the methodology used in the First Biennial Underground Infrastructure Improvement Projects Plan ("First Biennial Plan") to (A) calculate the revenue requirement and rates for the Underground Project Charge, as required by Section 308(c)(6) of the Undergrounding Act, and (B) calculate the surcharges under the Underground Rider to recover DDOT Underground Electric Company Infrastructure Improvement Charges (DDOT Charges) in the amount of \$30 million annually, as required by Section 302(b)(2)(B) of the Undergrounding Act.

My Direct Testimony and accompanying exhibits were prepared by me or under my direct supervision and control. In developing my Direct Testimony, I relied on Company records, public documents, and my personal knowledge and experience.

The Electric Company Infrastructure Improvement Financing Emergency Amendment Act of 2017 amends the Electric Company Infrastructure Improvement Financing Act of 2014 (as so amended, the Undergrounding Act).

UNDERGROUND PROJECT CHARGE

Q5. What is the Underground Project Charge?

1

2

9

10

11

12

13

14

15

16

17

18

19

20

Q6.

A6.

Section 101(42) of the Undergrounding Act defines the Underground Project

Charge as "an annually adjusted surcharge paid by all distribution customers of the

electric company (except for customers served under the electric company's

residential aid discount or a succeeding discount program) for its recovery of the

Electric Company Infrastructure Improvement Costs, together with the electric

company's rate of return as approved by the Commission."

Under what authority is Pepco proposing the Underground Project Charge?

Section 307(c) of the Undergrounding Act provides that "as part of the initial application for approval of the biennial Underground Infrastructure Improvement Projects Plan filed pursuant to subsection (a) of this section, the electric company shall request authority to impose and collect specified Underground Project Charges from its electric distribution service customers to recover the Electric Company Infrastructure Improvement Costs associated with the Underground Infrastructure Improvement Projects Plan ..." As addressed in the rate design discussion below, Pepco's Underground Project Charge — Rider UPC, attached as PEPCO (C)-3 implements Section 307(c) of the Undergrounding Act.

Q7. As used in the definition of "Underground Project Charge," what are "Electric Company Infrastructure Improvement Costs"?

21 A7. Electric Company Infrastructure Improvement Costs are defined in Section 22 101(21) of the Undergrounding Act as "costs incurred by the electric company,

Pepco has set a separate Underground Project Charge for each applicable customer class, which is consistent with the distribution service customer class allocation methodology defined in Section 101(8A) of the Undergrounding Act.

including the amortization of regulatory assets and capitalized costs relating to electric plant including depreciation expense and design and engineering work incurred, or expected to be incurred, by the electric company in undertaking Electric Company Infrastructure Improvement Activity, and contingency for the cost to complete and place in service the electric plant to be installed in the applicable biennial Underground Infrastructure Improvement Projects Plan, and the unrecovered value of electric company property that is retired, together with any demolition cost or similar cost that exceeds the salvage value of the property. The term includes preliminary expenses and investments associated with Electric Company Infrastructure Improvement Activity that are incurred by the electric company prior to receipt of an order applicable to costs incurred with respect to the Electric Company Infrastructure Improvement Activity in addition to expenses that may be incurred for development of annual construction plans, customer communication, and other expenses that may develop in support of the Electric Company Infrastructure Improvement Activity."

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

A8.

Q8. What level of Electric Company Infrastructure Improvement Costs does Pepco expect to incur in support of the Electric Company Infrastructure Improvement Activity² in the First Biennial Plan?

Pepco expects to incur project costs in the amount of approximately \$59.6 million for facilities included in the First Biennial Plan placed into service through calendar year 2022.

Section 101(20) of the Undergrounding Act defines Electric Company Infrastructure Improvement Activity as "the civil and electrical engineering for, and acquisition, construction and installation of, Electric Company Infrastructure Improvements and the removal of overhead electric distribution facilities no longer used, or useful, in providing electric distribution service in the District due to the construction of Electric Company Infrastructure Improvements."

1	Q9.	Please describe the O&M expenses Pepco will recover during the
2		implementation of the First Biennial Plan.
3	A9.	A breakdown of the O&M expenses can be found on page 12 of PEPCO (C)-1
4		to my direct testimony. The O&M expenses include:
5		• Costs associated with the Company's portion of the Customer Education
6		Plan;
7		• Costs associated with community outreach stations in the vicinity of
8		construction activities;
9		• Costs associated with the retention of a compliance coordinator that will
10		track and report on local hiring and contracting throughout the course of
11		the DC PLUG initiative, to ensure compliance with Section 102(7) of the
12		Undergrounding Act;
13		• Commission costs associated with the Commission's evaluation of DC
14		Plug Initiative filings; and
15		• Office of People's Counsel of the District of Columbia (OPC) costs
16		associated with the OPC's review of the DC PLUG initiative filings.
17		All of these cost categories were previously approved in Order No. 17697, as
18		clarified by Order No. 17770, to be included in the Underground Project Charge. In
19		addition, the Underground Project Charge includes recovery of the following
20		additional O&M expenses:
21		• Costs associated with work on the First Biennial Plan that are not
22		otherwise capitalized; and
23		• The costs associated with feeders that were selected in the First Triennial
24		Plan approved by the Commission in Order No. 17697 but were not

1		selected for the First Biennial Plan, as discussed in the direct testimony of
2		Company Witness McGowan.
3	Q10.	Please describe the costs included in the revenue requirement under Rider UPC.
4	A10.	The revenue requirement is calculated using Pepco's portion of the projected
5		capital costs, which includes the projected costs of engineering, design, and
6		construction; actual labor; materials; and, allowance for funds used during
7		construction. Additionally, the revenue requirement includes the O&M expenses
8		described in my preceding response. The revenue requirement includes a return of
9		investment through depreciation expense based on the plant investment that is placed
10		into service and that is associated with Electric Company Infrastructure Improvement
11		Activity. Pursuant to Section 310(c)(3) of the Undergrounding Act, the revenue
12		requirement also includes a return on investment based on a rate of the return of
13		7.65%, as authorized in Pepco's most recently decided base rate case, Formal Case
14		No. 1103. The O&M expenses do not earn a return on investment.
15	Q11.	Please describe the specific development of the Underground Project Charge in
16		the First Biennial Plan.
17	A11.	The Underground Project Charge was developed following the same
18		methodology as was approved in Order No. 17697 (P 220). The development of the
19		Underground Project Charge revenue requirement is provided in PEPCO (C)-1.
20	Q12.	Based on the revenue requirement calculation methodology discussed above,
21		what is the annual revenue requirement under Rider UPC that is associated with
22		the First Biennial Plan?
23	A12.	For the first 12-month rate period of the First Biennial Plan, the revenue
24		requirement is \$3,990,710. For the second 12-month rate period of the First Biennial

1		Plan, the revenue requirement is \$1,612,230, subject to adjustment in the future
2		pursuant to Section 315 of the Undergrounding Act. A summary of the development
3		of the annual revenue requirements for the rate years that are expected to
4		approximately correspond with calendar years 2018 and 2019 can be found on Page 1
5		of PEPCO (C)-1.
6	Q13.	How will the Underground Project Charge be presented on customers' bills?
7	A13.	The Underground Project Charge will appear as a separate line item,
8		"Underground Charge, Pepco."
9	Q14.	Have you performed bill comparisons showing the impact of the Underground
0		Project Charge?
1	A14.	Yes, bill comparisons for each distribution service customer class subject to
2		Rider UPC can be found in PEPCO (C)-4 to my direct testimony for 2018 and
13		PEPCO (C)-5 to my direct testimony for 2019. The bill impacts are also provided in
4		Appendix M to the First Biennial Plan. For the typical residential customer using an
5		average of 675 kWhs per month, the monthly bill impact in 2018 is estimated to be
6		\$0.14 or 0.17%.
7	Q15.	Is it possible that some of the ratemaking parameters that are inputs to the
8		calculation of the revenue requirement under Rider UPC may change during the
9		course of this proceeding?
20	A15.	Yes. At the time of this filing, Pepco currently has a base rate application
21		pending before the Commission in Formal Case No. 1139. When the Commission
22		issues an order in Formal Case No. 1139, Pepco will update the calculation of the
23		revenue requirement within two weeks of that issuance to ensure consistency with the

1	Commission's determinations in Formal Case No. 1139 (e.g., to reflect the approved
2	rate of return).

A16.

Q16. How is the annual revenue requirement under Rider UPC allocated among Pepco's distribution service customer classes?

Consistent with Sections 101(8A) and 310(c)(1) of the Undergrounding Act, the revenue requirement is allocated among the distribution service customer classes in accordance with the distribution service customer class cost allocations approved by the Commission in Formal Case No. 1103, Pepco's most recent base rate case decision. As used in Section 101(8A), "distribution service customer class cost allocation" means the allocation of the electric company's revenue requirement to each customer rate class on the basis of the total rate class distribution service revenue minus the customer charge revenue.³

The total revenue requirement is allocated among the customer classes in proportion to non-customer related distribution revenue, as approved in Formal Case No. 1103, which is the Company's most recent distribution base-rate case order. This aligns the share of revenues collected from each class under Rider UPC with the share of distribution base revenues assigned to that class in Formal Case No. 1103. As also required by Section 310(c)(1) of the Undergrounding Act, customers served under the Residential Aid Discount (RAD) program, or a successor discount program, are excluded from the allocation of the revenue requirement.

The allocation of the revenue requirements for the 2018 and 2019 rate periods can be found on pages 2 through 3 of PEPCO (C)-1. Pages 4 through 15 of PEPCO

The Company uses the revenue requirement allocation methodology that was proposed by Pepco in Formal Case No. 1116 (Formal Case No. 1116) and approved by the Commission. It is my understanding that the Commission's decision was subsequently affirmed by the District of Columbia Court of Appeals.

1		(C)-1 provide schedules of projected total capital expenditures, AFUDC, closings to
2		plant, book depreciation, tax depreciation and O&M expenses for the feeder
3		improvement projects for which costs are forecasted to be recovered in the
4		Underground Project Charges.
5	Q17.	Is it possible that the distribution service customer class allocations of the
6		revenue requirement under Rider UPC may change during the course of this
7		proceeding?
8	A17.	Yes. As noted above, Pepco has a base rate application pending before the
9		Commission. As part of the update filing discussed above, Pepco will also update the
10		allocation of the revenue requirement among the distribution service customer classes
11		consistent with the Commission's determinations in Formal Case No. 1139.
12	Q18.	What is the effective date of the Underground Project Charges?
13	A18.	Pepco plans to implement the Underground Project Charges with an effective
14		date within 90 days after the Commission's order approving the UPC.
15	Q19.	Please explain the rate design under Rider UPC.
16	A19.	For each customer class, a volumetric surcharge is developed on a per-
17		kilowatt-hour (kWh) basis by dividing the class revenue requirement by the
18		forecasted billing units for that class for the 12-month period corresponding with that
19		rate year under Rider UPC. Pages 2 through 3 of Pepco (C)-1 provide the
20		Underground Project Charge rates for each class based on forecasted billing units for

calendar years 2018-19.

21

1	Q20.	Please	describe	the	annual	adjustment	to	the	Underground	Project	Charges
2		under	Rider UP	c.							

A20. Pursuant to Section 315 of the Undergrounding Act, the Company will file an adjustment to the Underground Project Charges under Rider UPC on or before April 1 of each year following the issuance of an order authorizing the imposition and collection of Underground Project Charges and for as long as the order remains in effect. The first adjustment filing is expected to be made on or before April 1, 2018.

Q21. Does the annual adjustment also include a true-up of Underground Project Charges from a prior period?

A21.

Yes. Pepco's annual adjustment will include a true-up of Underground Project Charges for the prior rate period. For each class, an over- or under-recovery amount will be calculated as the difference between actual Electric Company Infrastructure Improvement Costs incurred during the prior rate period (based on actual capital expenditures, plant closings, depreciation expense and O&M expenses) and actual booked revenues under Rider UPC during the same time period. For the purpose of calculating each distribution service customer class's true-up amount, actual Electric Company Infrastructure Improvement Costs will be allocated among the classes in proportion to the Underground Project Charge revenue requirement that was in effect during the true-up period. Rider UPC collections are tracked by distribution service customer class and will be directly assigned. For each class, the under-recovery amount will be added to, or the over-recovery amount credited to, that class's revenue requirement for the next rate period.

1	Q22.	At what point will the Electric Company Infrastructure Improvement Costs be
2		transferred into rate base?
3	A22.	As part of the distribution rate case filing following completion of all Electric
4		Company Infrastructure Improvement Activity and closing of all associated
5		investment to electric plant, the investments will be incorporated into distribution rate
6		base. At that point, the Company would file a final adjustment to Rider UPC to true
7		up actual costs and collections for each class as of the effective date of the
8		Company's updated base rates, with refunds or surcharges to occur during the
9		following rate period. At the end of that rate period, Rider UPC will be terminated.
10	Q23.	Have you updated the Underground Project Charge Rider - Rider UPC
11		consistent with the Company's request in this proceeding?
12	A23.	Yes, Rider UPC has been updated and is included in the tariff sheets provided
13		as PEPCO (C)-3. Rider UPC is also provided as Appendix K to the First Biennial
14		Plan. Rider UPC is applicable to all rate schedules with the exception of customers
15		who take service under Pepco's RAD rate schedule (Rider RAD).
16		UNDERGROUND RIDER
17	Q24.	What is the DDOT Charge?
18	A24.	Pursuant to Section 101(13) of the Undergrounding Act, the DDOT Charge is
19		a charge imposed by the District on Pepco pursuant to a financing order issued by the
20		Commission. The District will use the amounts paid by Pepco for the DDOT Charge
21		to fund the DDOT Underground Electric Company Infrastructure Improvement

The amount of DDOT Underground Electric Company Infrastructure

Costs.4

22

Pursuant to Section 101(14) of the Undergrounding Act, DDOT Underground Electric Company Infrastructure Improvement Costs is defined as "any cost incurred by DDOT, including capitalized costs relating to an underground electric plant, capitalized costs associated with design and engineering work,

Improvement Costs included in the financing order associated with the First Biennial Plan will be \$60 million. Pursuant to Section 301(a)(2)(B) of the Undergrounding Act, in each month of the applicable two-year period Pepco will remit to the District 1/24th of the DDOT Charges approved for that period, or \$2.5 million, to be placed in the DDOT Underground Electric Company Improvement Fund, established under Section 303a of the Undergrounding Act for exclusive use in paying the DDOT Electric Company Infrastructure Improvement Costs.

Q25. What is the Underground Rider?

A25. Pursuant to Section 101(42)(A) of the Undergrounding Act, the Underground Rider is defined "as an annually adjusted rider to the electric company's volumetric distribution service rates paid by all distribution service customers of the electric company (except for customers served under the electric company's residential aid discount or a succeeding discount program) for its recovery of an amount equal to the aggregate of the DDOT Underground Electric Company Infrastructure Improvement Charges."

Q26. What is the annual revenue requirement under the Underground Rider?

17 A26. The annual revenue requirement under the Underground Rider is one-half of 18 the DDOT Charges included in the financing order associated with the First Biennial 19 Plan, or \$30 million per year. A summary of the initial annual revenue requirement 20 can be found on page 1 of PEPCO (C)-2 and in Appendix J to the First Biennial Plan.

expenses that DDOT incurs for the development of annual construction plans, contingency for the cost complete and place in service the electric plant to be installed in the applicable biennial Underground Infrastructure Improvement Projects Plan and other expenses incurred or expected to be incurred by or for the account of DDOT in undertaking DDOT Underground Electric Company Infrastructure Improvement Activity, including preliminary expenses and investments and other costs that reasonably may be incurred in support of the DDOT Underground Electric Company Infrastructure Improvement Activity."

1	Q27.	Have you performed bill comparisons showing the bill impact of the surcharges
2		under the Underground Rider?
3	A27.	Yes, bill comparisons are provided in schedules PEPCO (C)-4 through
4		PEPCO (C)-7 to my direct testimony and in Appendix M to the First Biennial Plan.
5		Based on current base rates, the typical residential customer using an average of 675
6		kWhs per month, would see an estimated monthly bill impact in 2018 of \$1.04 or
7		1.25%.
8	Q28.	Does the Undergrounding Act provide for an allocation of the Underground
9		Rider's annual revenue requirement among Pepco's distribution service
10		customer classes?
11	A28.	Yes. Section 301(a) (3) of the Undergrounding Act provides that "the DDOT
12		Charge shall be assessed to the distribution service customer classes of the electric
13		company in accordance with the distribution service customer class cost allocations
14		approved by the Commission for the electric company and in effect pursuant to the
15		electric company's most recently decided base rate case, in an amount sufficient for
16		the electric company to recover the [DDOT Charges]; provided, that no such charges
17		shall be assessed against the electric company's residential aid discount customer
18		class or any succeeding customer class approved by the Commission for the purpose
19		of providing economic relief to a specified low-income customer class."
20	Q29.	What methodology did you follow to implement the requirements of Section
21		301(a)(3) (i.e., allocation of the revenue requirement)?
22	A29.	The cost allocation methodology is the same as the distribution service
23		customer class cost allocation methodology approved by the Commission in Formal
24		Case Nos. 1116 and 1121. First, I excluded customers who take service under Rider

1		RAD from the allocation of the revenue requirement. Next, I allocated the revenue
2		requirement among the remaining distribution service customer classes in proportion
3		to non-customer related distribution base revenues as approved in Order No. 17424 in
4		Formal Case No. 1103, which is the Company's most recent distribution base rate
5		case. This methodology aligns each class's revenue responsibility under the
6		Underground Rider with that class's base revenue responsibility, as determined by the
7		Commission in Formal Case No. 1103. For each distribution service customer class,
8		the allocated amount is set forth in PEPCO (C)-2.
9	Q30.	Is it possible that the distribution service customer class allocation of Pepco's
10		non-customer related distribution base revenues may change during the
11		pendency of this proceeding?
12	A30.	Yes. At the time of this filing, Pepco has a base rate application pending
13		before the Commission in Formal Case No. 1139. Within two weeks of the
14		Commission's issuance of an order in Formal Case No. 1139, Pepco will update the
15		calculation of the Underground Rider's revenue requirement consistent with the
16		Commission's decision.
17	Q31.	What rate design methodology is used to set the rates under the Underground
18		Rider?
19	A31.	Consistent with Section 301(a) (3) of the Undergrounding Act, the rates under
20		the Underground Rider are developed for each applicable distribution service
21		customer class as a volumetric surcharge (i.e., on a per kilowatt-hour basis). The
22		billing units used to set the rates are forecasted kWh sales from the time period

23

corresponding with the Underground Rider's rate period, which ensures that the

Underground Rider reasonably can be expected to generate sufficient revenues to permit Pepco to recover the DDOT Charges.

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

A32.

Q32. Please describe the true-up mechanism that will be used to reconcile actual Underground Rider collections with forecasted collections to ensure that the collections under the Underground Rider are adequate to pay the DDOT Charges imposed on Pepco.

Under Section 314(a) of the Undergrounding Act, rates under the Underground Rider will be subject to true-up on, at most, a semi-annual basis. For each distribution service customer class subject to the Underground Rider, an over- or under-collection amount will be calculated as that class's Underground Rider collections less actual DDOT Charges imposed on Pepco attributable to that class during the true-up period. For the purpose of calculating the true-up, DDOT Charges imposed on Pepco will be imputed to distribution service customer classes consistent with the distribution service customer class cost allocation of the revenue requirement that was used to develop the Underground Rider rates that were in effect during the true-up period. Collections from each class under the Underground Rider will be tracked separately and will be directly assigned to the applicable class. The amount of the true-up of the Underground Rider will be allocated to each distribution service customer class in the proportion to which the customer class contributed to the under collection or over collection. This methodology will ensure that the true-up is performed consistent with Section 314(f)(1) of the Undergrounding Act.⁵

Section 314(f)(1), "In conducting the true-up, the recovery for the under-collection of the DDOT Underground Electric Company Infrastructure Improvement Charges through the Underground Rider shall be allocated to each customer class in the proportion to which customer class contributed to the under-collection of DDOT Underground Electric Company Infrastructure Improvement Charges".

Witness Janocha

1	Q33.	Have you	prepared a	1 Unde	rground	Rider	tariff
1	QSS.	nave you	prepared a	1 Unae	rground	Kluer	tarm

- 2 A33. Yes, the DDOT Underground Electric Company Infrastructure Improvement
- 3 Charge Rider Underground Rider is included in the tariff sheets provided as PEPCO
- 4 (C)-3. The Underground Rider is also provided as Appendix K to the First Biennial
- 5 Plan. The Underground Rider is applicable to all rate schedules with the exception of
- 6 RAD customers served under the RAD Rider.
- 7 Q34. Does this conclude your testimony?
- 8 A34. Yes, it does.

VERIFICATION

Washington, D.C.)
) ss:
)

Joseph F. Janocha, being first duly sworn, deposes and says that he is the Manager of Retail Rates for Pepco Holdings LLC, he has read the foregoing Direct Testimony and accompanying exhibits, he has knowledge of the matters set forth therein, and the statements therein are true and correct to the best of his information, knowledge and belief.

Joseph F. Janocha

Subscribed and sworn to before me this 27 day of June, 2017.

District of Columbia: SS

Notary Public

Subscribed and Sworn to before me,

My commission expires

J. F. JANOCHA
Direct Exhibit
DC P.S.C. -- July, 2017
Introduced as:
PEPCO _____ (C) - 1

Potomac Electric Power Company - District of Columb	bia					
Distribution System Undergrounding Projects First Biennial Plan				2018		2019
The Definial Flair				Year 1		Year 2
Rate Base:						
Gross Plant Accumulated Depreciation			\$	-	\$	12,541,908
Deferred Tax Asset			\$	-	\$	109,625 (19,191)
Deferred Tax Liability			\$	-	\$	1,400,022
Net Rate Base			\$		\$	11,051,452
Operating Income:						
Operating income. Operation & Maintenance			\$	1,229,278	\$	906,028
Amortization of deferred costs			\$	2,761,432	\$	-
Depreciation			\$		\$	109,625
Subtotal SIT-Current			\$	3,990,710	\$	1,015,653
FIT-Current			\$	(101,415) (394,752)		(126,996) (1,749,903)
Deferred Taxes			\$	(1,114,583)		1,400,022
Required Operating Income			\$	2,379,959	\$	538,776
Return Required			\$	-	\$	422,718
Revenue Requirement			\$	3,990,710	\$	1,612,230
Income Statement Check						
Revenue			\$	3,990,710	\$	1,612,230
Oper. & Maint. Depreciation & Amortization			\$	1,229,278 2,761,432	\$ \$	906,028 109,625
Other Taxes			\$	2,701,402	\$	-
Interest Expense			\$	-	\$	167,430
Net income before Taxes			\$	-	\$	429,148
Income Tax - Current - State			\$	227,818	\$	6,013
Income Tax - Current - Federal			\$	886,765	\$	(1,232,175)
Income Tax - Deferred			\$	(1,114,583)	\$	1,400,022
Earnings			œ		ø	255 200
Return on Equity per WACC			\$	-	\$	255,289 255,289
riciani sir Equity por virios			Ψ		Ψ	200,200
MACRS - Federal (Includes Bonus Depreciation)			\$	-	\$	4,053,260
MACRS - State (Excludes Bonus Depreciation)			\$	-	\$	465,891
CALCULATION OF DEFERRED INCOME TAX LIABILITY	<u>Y:</u>					
FERENAL						
FEDERAL:						
Plus: Book Depreciation of AFUDC-Equity				1=		1,597
B. I. B						
Book Depreciation (Less Book Depr on AFUDC-Equity) State Deferred Income Taxes (from below)			\$	-	\$	108,028
Tax Depreciation				-		29,524 (4,053,260)
Net Temporary Differences (Before NOLC)				-		(3,915,708)
Deferred Income Taxes @		35.00000%		-		(1,370,498)
Cumulative Deferred Income Tax Liability						(1,370,498)
STATE:						
Plus: Book Depreciation of AFUDC-Equity				-		1,597
						1,007
Book Depreciation (Less Book Depr on AFUDC-Equity)			\$		\$	108,028
Tax Depreciation Net Temporary Differences (Before NOLC)						(465,891)
Deferred Income Taxes @		8.25000%				(357,863) (29,524)
Cumulative Deferred Income Tax Liability						(29,524)
	Check					
	CHECK			-		-
Effective Tax Rate Check:						(graderous - St. saleste
Pre-tax Book Income			\$		\$	429,148
Plus: Book Depreciation of AFUDC-Equity Book Taxable Income/(Loss)			\$		\$	1,597 430,745
Calculated Income Tax Expense		9	Ψ		Ψ	173,860
Tax Expense as a Percentage of BTI				0.0000%		40.3626%
Expected Statutory Combined Income Tax Rate				0.0000%		40.3625%

Potomac Electric Power Company - District of Columbia Year 1 Distribution Undergrounding Charge Rate Design Based on FC 1103 Order No. 17424

Distribution Demand/Energy Revenue Requirements	Year	1 TOTAL	Residential	RAD	RTM	RES - A E	**GS-ND	GS-D-LV	GS-3A	GT-LV	GT-3A	GT-3B	RT	SL/TS	TN
Total Authorized Base Revenue Requirement	\$	333,943,208 \$	56,431,472 \$	802,185 \$	884,729	\$ 13,569,517	\$ 12,694,826	\$ 33,553,959 \$	53,838	\$ 160,518,514	\$ 46,619,570	\$ 448,743	\$ 6,442,548	\$ 1,845,040	\$ 78,265
Authorized Demand/Energy Charge Recovery	\$	272,658,959 \$	23,982,584 \$	- \$	799,302	\$ 5,619,801	\$ 8,738,904	\$ 31,767,790 \$	39,205	\$ 147,804,194	\$ 46,351,698	\$ 435,131	\$ 6,442,548	\$ 637,468	\$ 40,333
Distribution Undergrounding Revenue Requirement	\$	3,990,710	8.80%	0.00%	0.29%	2.06%	3.21%	11.65%	0.01%	54.21%	17.00%	0.16%	2.36%	0.23%	0.01%
Rate Class Revenue Requirement	\$	- \$	351,016 \$	- \$	11,699	\$ 82,253	\$ 127,905	\$ 464,962 \$	574	\$ 2,163,302	\$ 678,416	\$ 6,369	\$ 94,295	\$ 9,330	\$ 590
Class Billing Determinants and Rate Calculation Forecasted Sales (kWh) Energy (\$/kWhr)			1,700,498,008 \$0.00021	\$0.00000	18,264,962 \$0.00064	498,820,003 \$0.00016	324,657,550 \$0.00039	615,267,471 \$0.00076	1,495,801 \$0.00038	4,614,489,054 \$0.00047	2,437,965,317 \$0.00028	237,220,514 \$0.00003	325,417,440 \$0.00029	89,477,428 \$0.00010	2,605,837 \$0.00023
Percentage Increase in Distribution Revenue			0.6%	0.0%	1.3%	0.6%	1.0%	1.4%	1.1%	1.3%	1.5%	1.4%	1.5%	0.5%	0.8%

^{**} GS-ND (Includes Temporary Service Schedule T)

Potomac Electric Power Company - District of Columbia Year 1 Distribution Undergrounding Charge Rate Design Based on FC 1103 Order No. 17424

Distribution Demand/Energy Revenue Requirements	Year	2 TOTAL	Residential	RAD	RTM	RES - A E	**GS-ND	GS-D-LV	GS-3A	GT-LV	GT-3A	GT-3B	RT	SL/TS	TN
Total Authorized Base Revenue Requirement	\$	333,943,208 \$	56,431,472 \$	802,185 \$	884,729	\$ 13,569,517	\$ 12,694,826	\$ 33,553,959 \$	53,838	\$ 160,518,514	\$ 46,619,570	448,743 \$	6,442,548	\$ 1,845,040	\$ 78,265
Authorized Dernand/Energy Charge Recovery	\$	272,658,959 \$	23,982,584 \$	- \$	799,302	\$ 5,619,801	\$ 8,738,904	\$ 31,767,790 \$	39,205	\$ 147,804,194	\$ 46,351,698	435,131 \$	6,442,548	\$ 637,468 \$	\$ 40,333
Distribution Undergrounding Revenue Requirement	\$	1,612,230	8.8%	0.0%	0.3%	2.1%	3.2%	11.7%	0.0%	54.2%	17.0%	0.2%	2.4%	0.2%	0.0%
Rate Class Revenue Requirement	\$	- \$	141,809 \$	- \$	4,726	\$ 33,230	\$ 51,673	\$ 187,843 \$	232	\$ 873,965	\$ 274,077	2,573 \$	38,095	\$ 3,769 \$	\$ 238
Class Billing Determinants and Rate Calculation Forecasted Sales (kWh) Energy (\$/kWhr)			1,682,274,195 \$0.00008	\$0.00000	17,976,740 \$0.00026	523,124,818 \$0.00006	323,871,458 \$0.00016	613,806,237 \$0.00031	1,492,355 \$0.00016	4,603,462,990 \$0.00019	2,432,233,761 \$0.00011	236,657,958 \$0.00001	325,912,550 \$0.00012	89,495,085 \$0.00004	2,599,607 \$0.00009
Percentage Increase in Distribution Revenue			0.3%	0.0%	0.5%	0.2%	0.4%	0.6%	0.4%	0.5%	0.6%	0.6%	0.6%	0.2%	0.3%

^{**} GS-ND (Includes Temporary Service Schedule T)

				Month	Mont	h 2	Month 3		th	Month 5		Month 6		Month	Month 8		Month 9	Month 10	Month 11	Mon
				Jan-18	Feb-1		Mar-18	A	pr-18	May-18		Jun-18		Jul-18	Aug-18		Sep-18	Oct-18	Nov-18	Dec-1
Expenditure and Closing Scho	edule					MARIE S		RELEAD	AS ARREST	CHARLE			5 3/ 3		7109 10		Cop 10	00010	1101-10	DCC-
Securitization																		THE RESERVE THE PERSON NAMED IN COLUMN	White the second second second second	
CWIP Beginning Balance			\$	- \$	-	\$		\$ 201	,340 \$	332,803	\$	465,024	\$	598,008 \$	731,758	\$	1,049,550 \$	1,369,175 \$	1,751,418	\$ 2,135,86
Capex	\$ 4,704,679	2/1/2018	\$	- \$	100,092	2 \$	100,092	\$ 129	,927 \$	129,927	\$	129,927	\$	129,927 \$	312,671	\$	312,671 \$	373,272 \$	373,272	\$ 373,27
AFUDC - Debt	2.56%		\$	- \$	107		321		569 \$	850	\$	1,132	\$	1,416 \$	1,897	\$	2,576 \$	3,323 \$	4,139	\$ 4.96
AFUDC - Equity	4.36%		\$	- \$	182	2 \$	546	\$	967 \$	1,444	\$	1,924	\$	2,407 \$	3,225	\$	4,378 \$	5,649 \$	7,037	\$ 8,43
Closings																		242.00	2,43,50	
Capex		6/1/2019	\$	- \$	-	\$	-	\$	- \$	(-)	\$	-	S	- \$	w	\$	- S	- S	-	s -
AFUDC - Debt			\$	- \$	-	\$	-	\$	- \$	-	\$	-	\$	- \$	_	\$	- S	- S		\$ -
AFUDC - Equity			S	- \$	141	s	-	S	- \$	14	s	-	s	- \$	-	S	- s	- S	_	s -
CWIP Ending Balance			\$	- \$	100,381	S	201,340	\$ 332	,803 \$	465,024	S	598,008	\$	731,758 \$	1,049,550	s	1,369,175 \$	1,751,418 \$	2,135,866	\$ 2,522,53
The second contraction of the second contrac					1010000					100-100-0				,	.,,		.,,	.,,	2,100,000	,022,00
CWIP Beginning Balance			S	- \$		S		S	- \$		S	-	S	- \$		\$	- 5	- S		\$ -
Capex	\$ 6,177,153	6/1/2019	s	- \$	1	s	-	Š	- \$		s		Š	- \$		\$	- \$	- \$		\$ -
AFUDC - Debt	2.56%		S	- \$	-	s	-	S	- \$	-	Š		\$	- \$		\$	- s	- S		s -
AFUDC - Equity	4.36%		S	- 5		s	_	S	- \$	-	Š		Š	- \$	-	\$	- 9	- \$		•
Closings	4.5070		*			•		•	•		•		Ψ.	- 4	_	Ψ	- 4	- •		Φ -
Capex		9/1/2019	\$			s	40.00	•	- s	_	S		\$	- S		•		- S		•
AFUDC - Debt		3/1/2013	Š	- \$		6		6	- \$	-	Š		S	- \$		0	- 3		-	.
AFUDC - Equity			•		-	•	- 1	ě		-	•		S	- \$		9	- 3	- \$	Ī	.
CWIP Ending Balance			\$	- \$	-	\$		\$	- \$		Š		\$	- \$		\$	- \$ - \$	- \$ - \$	-	\$ -
CVVII Eliding Balance			ų.	- 4	-	φ		Ÿ.	- 4	-	٠	-	D.	- •		Þ	- \$	- \$	-	• -
CWIP Beginning Balance			•	•		S		•			S		s	- \$		•				•
Capex	\$ 1,472,474	9/1/2019	•	- 9	-	•	-	•	- 3		S		\$		-	9	- \$	- \$		• -
AFUDC - Debt	2.56%	5/1/2019	9	- \$	-	S	-	\$ \$	- \$	-	\$		\$	- \$ - \$	-	S	- \$	- \$		-
AFUDC - Equity	4.36%		\$	- 5	-	\$	-	•	- \$ - \$	-	\$		\$	- \$	-	3	- \$	- \$	-	\$ -
Closings	4.30%		÷.	- 4	-	φ	-	٠	- 4	-	Ф	-	Þ	- ф	-	Þ	- \$	- \$		• -
Closings		40440040	•	•		•														
		12/1/2019	9	- \$	-	\$	-	•	- \$	-	\$		\$	- \$	-	\$	- \$	- \$		\$ -
AFUDC - Debt			\$	- 5	-	\$	-	\$	- \$	-	\$		\$	- \$	-	\$	- \$	- \$	-	\$ -
AFUDC - Equity			3	- \$	-	\$	-	\$	- \$		\$		\$	- \$		\$	- \$	- \$		\$ -
CWIP Ending Balance			\$	- \$	-	\$	-	\$	- \$	-	\$	-	\$	- \$		\$	- \$	- \$		\$ -

1			Moi	nth 1	Month 2	Month 3	ath 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 19	Month 11	Month 12
2 96			Jan	18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18
97 Total Monthly Closings \$	12,354,306			\$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	
Total Monthly Closings Excluding AFUL Book Depreciation	DC - Equity		\$ -	\$	- \$			- \$	- \$	- \$	- \$	- \$	- \$	- \$	
Monthly Closings - AFUDC - Equity			\$ -	\$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	•
<u>Distribution Feeder Undegrounding</u> Depreciation Rate - conduit	2.28%	Month 1	\$ -	\$	- \$	- \$	\$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
		2	\$ - \$ -	\$	- \$ - \$	- \$	10	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$:
		4 5	\$ - \$ -	S	- \$ - \$	- \$		- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	
		6	\$ - \$ -	S	- \$ - \$	- \$		- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	
		8	\$ - \$ -	S	- \$ - \$	- \$		- \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$	- \$ - \$	- \$ - \$	
		10 11	\$ - \$ -	S	- \$ - \$	- 9	- \$	- \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	
		12 13	\$ - \$ -	S	- \$ - \$	- \$	- \$	- \$	- \$	- \$	- \$ - \$	- \$	- \$	- \$	-
		14	\$ - \$ -	\$	- \$	- \$	- \$	- \$	- \$	- \$ - \$	- \$	- \$	- \$ - \$	- \$	-
		15 16	\$ -	S	- \$	- \$	- \$	- \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	-
		17 18	\$ - \$ -	S	- \$ - \$	- \$	- \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	
		19 20	\$ - \$ -	\$	- \$ - \$	- \$ - \$		- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	
		21 22	\$ - \$ -	\$	- \$ - \$	- \$		- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	
		23 24	\$ - \$ -	\$	- \$ - \$	- S	S U	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	-
		25 26	\$ - \$ -	S	- \$ - \$	- S		- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	*
		27 28	\$ - \$ -	\$	- \$ - \$	- \$	- \$	- \$ - \$	- \$	- \$ - \$	- \$ - \$	- \$	- \$	- \$	-
		29 30	\$ - \$ -	S	- \$	- \$	- \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$	- \$	- \$ - \$	
		31 32	\$ - \$ -	S	- \$ - \$	- \$	- \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$	- \$	- \$	
		33 34	\$ -	\$	- \$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$ - \$	- \$ - \$	-
		35 36	\$ -	\$	- \$	- \$	- \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$	- \$	- \$	-
		37	\$ -	\$ \$	- \$ - \$	- \$ - \$	- \$	- \$ - \$	- \$	- \$ - \$	- \$ - \$	- \$	- \$ - \$	- \$ - \$	-
		38 39	\$ - \$ -	3	- \$ - \$	- S	- \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	-
		40 41	\$ - \$ -	\$	- \$ - \$	- S	- \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	-
		42 43	\$ - \$ -	\$	- \$ - \$	- S		- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	-
		44 45	\$ - \$ -	\$	- \$ - \$	- \$ - \$	2	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	
		46 47	\$ - \$ -	\$	- \$ - \$	- \$ - \$		- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	
		48 49	\$ - \$ -	\$	- \$ - \$	- \$ - \$		- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	
		50 51	\$ - \$ -	\$	- \$ - \$	- \$ - \$		- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	•
		52 53	\$ - \$ -	\$	- \$ - \$	- \$ - \$		- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	-
		54 55	\$ - \$ -	\$	- \$ - \$	- \$ - \$		- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	
		56 57	\$ - \$ -	S	- \$ - \$	- \$ - \$		- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	-
		58 59	\$ - \$ -	\$	- \$ - \$	- \$		- \$	- \$ - \$	- \$	- \$	- \$	- \$	- \$	-
		60 61	\$ - \$ -	\$	- \$ - \$ - \$	- S	- S - S		- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$ - \$	*
		62 63	\$ - \$ - \$		- \$ - \$	- S - S	- S		- \$ - \$	- \$	- \$ - \$ - \$	- \$ - \$		- \$ - \$	-
		64 65	\$ - \$ -	\$	- \$	- \$ - \$	- \$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	- \$ - \$		- \$ - \$ - \$ - \$ - \$	- \$	- \$	- \$	- \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	
		66 67	\$ -	\$	- \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- \$ - \$ - \$ - \$	- \$ - \$ - \$	- \$	- \$	- \$	- \$ \$ - \$ \$ - \$ \$ - \$ \$ - \$ \$ - \$ \$ - \$ \$ - \$ \$ - \$ \$ - \$ \$ - \$ \$ - \$ \$ - \$ \$ - \$ \$ - \$ \$ \$ - \$ \$ \$ - \$ \$ \$ \$ - \$	- \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	- \$	- \$ - \$	•
		68 69	\$ -	\$	- \$	- \$	- \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$ - \$	- \$ - \$	-
		70 71	\$ - \$ - \$ -	\$	- \$ - \$	- \$	- S	- S	- \$ - \$	- \$ - \$ - \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	-
		72 73	\$ - \$ -	\$	- \$ - \$ - \$	- \$ - \$ - \$	- \$ - \$	- \$ - \$ - \$	- \$ - \$ - \$	- \$ - \$ - \$	- \$ - \$ - \$	- \$ - \$ - \$	- \$ - \$ - \$	- \$ - \$ - \$	-
		13	-	\$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	•

				Month	M	onth	Mont				Month		Month	990	Month		Month		Month	T.	Month	Month		Month
1 2				1 Jan-18	E	2 b-18	Mar-1	3	Apr-18		May-18		6 Jun-18		7 Jul-18		8		9		10	11		12
-		74	\$		\$	- \$		\$	- Api-10	\$	-	\$		\$		\$	Aug-18 -	s	Sep-18	\$	Oct-18 - \$	Nov-18	\$	Dec-18
		75	\$		\$	- \$		\$	-	\$	-	\$		\$	- 5	\$	-	\$		\$	- \$		\$	-
		75 76 77 78	\$		\$ \$	- \$		\$	-	\$		\$ \$		\$	- 5	\$ \$		\$ \$		\$ \$	- \$ - \$		\$ \$	-
		78	\$	-	\$	- \$	-	\$	-	\$		\$		\$	- 3	•		\$	-	\$	- \$	-	\$	-
		79 80	\$	•	\$ \$	- \$	-	\$	-	\$	*	\$		\$	- 5	•	-	\$	-	\$	- \$	-	\$	-
		81	\$		\$	- \$	-	\$	-	\$	-	\$		\$		•		\$ \$	-	\$	- \$ - \$		S	-
		82	\$	-	\$	- \$	-	\$		\$	*	\$		\$	- 5		-	\$	-	\$	- \$		\$	-
		83 84	\$ \$	-	\$ \$	- \$		\$	-	\$	5	\$	-	\$	- 5	163	-	\$	-	\$	- \$ - \$		\$	-
		85	\$		\$	- \$		\$	-	\$	-	\$		\$	- 3	•	-	\$	-	\$	- \$	-	\$	-
		86 87	\$ \$	-	\$	- \$	-	\$	-	\$	-	\$	-	\$	- \$	N)	-	\$	-	\$	- \$	-	\$	-
		88	\$		\$	- \$		\$	-	\$		\$		\$	- \$	•	-	\$ \$		\$	- \$ - \$		\$	-
		89	\$	-	\$	- \$	-	\$	-	\$	-	\$	-	\$	- \$	\$	-	\$	-	\$	- \$		\$	-
		90 91	\$	-	\$ \$	- \$ - \$		\$	-	\$	- 1	\$	-	\$	- 8	\$ 5	*	\$ \$	-	\$	- \$		\$	-
		92	\$	-	\$	- \$	-	\$	-	\$	-	\$	-	\$	- \$			\$	2	\$	- \$		\$	-
		93 94	\$		\$ \$	- \$		\$		\$	•	\$	8	\$	- 9			\$	-	\$	- \$	-	\$	-
		95	\$		\$	- \$		\$	-	\$	-	\$		\$	- 3			\$ \$		\$ \$	- \$		\$	
		96	\$		\$	- \$		\$		\$	-	\$		\$	- \$			\$		\$	- \$		\$	-
			\$	-	\$	- \$	•	\$	•	\$	-	\$	•	\$	- \$	5	•	\$	•	\$	- \$		\$	(4)
																								-
Accumulated Depreciation EPIS			\$			- \$ - \$		\$	-	\$		\$		\$	- \$			\$		\$	- \$ - \$		\$	-
Net Plant			\$	-	\$ \$	- \$		\$	-	\$		\$		\$	- \$	5		\$ \$	-	\$ \$	- \$ - \$		\$	-
*																								
Distribution Feeder Undegrounding		Month 1	s	-	\$	- \$		s	_	\$		\$		s	- \$			\$		\$	- s		\$	
Depreciation Rate - conductors & devices	2.12%	2	\$		\$	- \$		\$	-	\$	-	\$		\$	- \$	5		\$		\$	- \$		\$	-
		3 4	\$ \$		\$ \$	- \$		\$ \$	-	\$	-	\$		\$	- \$		-			\$ \$	- \$		\$	-
		5	\$		\$	- \$		\$	-	\$	-	\$		\$	- \$		-			\$	- \$		\$	-
		6 7	\$ \$		\$ S	- \$		\$ \$	-	\$	-	\$	-	\$	- \$		-	\$	-	\$	- \$		\$	-
		8	\$		\$	- \$	-	\$		\$	-	\$	-	\$	- S		-	\$		\$ \$	- \$ - \$		\$	
		9	\$		\$	- \$		\$	-	\$	-	\$	-	\$	- \$	900	-	\$		\$	- \$		\$	-
		10 11	\$		\$ \$	- \$ - \$		S		\$	-	S	-	\$	- \$		-	\$		\$ \$	- \$ - \$		\$	
		12	\$		\$	- \$	-	\$	-	\$	-	\$	-	\$	- \$			\$		\$	- \$		\$	
		13 14	\$ \$		\$ \$	- \$		\$ S		S	-	\$ \$		\$	- \$ - \$	27				\$ \$	- \$		\$	
		15	\$		\$	- \$		\$	-	\$	-	\$		\$	- \$			\$		\$	- \$	-	\$	- 1
		16 17	\$		\$ \$	- \$		\$	-	\$	-	\$	-	\$	- \$		-			\$	- \$		\$	-
		18	\$		\$	- \$	-	\$	-	\$	-	\$		\$ \$	- \$ - \$			5		\$ \$	- \$		\$	
		19	\$		\$	- \$	-	\$		\$	-	\$		\$	- \$			\$		\$	- \$	-	\$	-
		20 21	\$		\$ \$	- \$ - \$		\$		S	-	\$		\$	- \$ - \$		-			\$ \$	- \$ - \$		\$	
		22	\$		\$	- \$	-	\$	-	\$	-	\$	-	\$	- \$	•	-	5	-	\$	- \$		\$	-
		23 24	\$ \$		\$ \$	- \$ - \$	-	\$	-	\$	-	\$	-	\$	- \$			5	•	\$ \$	- \$		\$	-
		25	\$		\$	- \$	-	\$	-	\$	_	\$	-	\$	- \$		-	5		\$	- \$	-	\$	-
		26 27	\$ S		\$	- \$ - \$		\$	-	\$	-	\$		\$	- \$ - \$	3) 1	•	5		\$ \$	- \$ - \$	•	\$	•
		28	\$		\$	- \$		\$	-	\$	-	\$		\$	- \$		- 1	\$		\$	- \$		\$	
		29 30	\$		\$ \$	- \$ - \$	- 1	\$	-	\$		\$ S		\$ \$	- \$ - \$		-	6		\$ \$	- \$ - \$	-	\$	-
		31 32	\$	- :	\$	- \$	-	\$	-	\$	-	\$		\$	- \$		- 1			\$	- \$	-	\$	-
		32 33	\$		\$ \$	- \$ - \$		\$	•	\$	-	\$ \$		\$ \$	- \$		-			\$	- \$	-	\$	
		34	\$	- :	\$	- \$		\$	-	\$	-	\$		\$	- \$ - \$		- 1	8	-	\$ \$	- \$	-	\$	-
		35 36	\$	- :	5	- \$ - \$	1-	\$	-	\$	-	\$	-	\$	- \$		-		-	\$	- \$		\$	-
		37	S	- :	\$	- \$ - \$	(8)	S	-	\$	-	\$	- :	\$	- \$ - \$ - \$		- :	6	-	\$ \$	- \$ - \$		\$	-
		38	\$ \$	- 5	\$	- \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$		\$		\$:	\$	- :	\$	- \$		-	5		\$	- \$	-	\$	
		40	\$	- : - : - :	\$	- \$ - \$	ž.	\$	-	\$	-	\$	-	\$ \$	- \$ - \$		-	5	- 1		- \$ - \$		\$	-
		41	\$	- 5	5	- \$	-	\$	-	\$		\$	-	\$	- \$;	- :	\$	-	\$	- \$	-	\$	
		43	\$	- 5	\$	- \$ - \$	-	\$	-	\$	-	\$	-	\$	- \$ - \$		- :	5	- 3	\$ \$	- \$ - \$	-	\$	5
		44	\$	- 5	5	- \$	-	\$	-	\$	-	\$		\$	- \$				- 1	\$	- \$	-	\$	-
		35 36 37 38 39 40 41 42 43 44 45 46 47 48	\$ \$ \$	- 5		- \$ - \$	-	\$		\$	-	\$ \$ \$	-	\$ \$ \$ \$	- \$ - \$ - \$		-	5		\$ \$ \$ \$ \$ \$ \$	- \$	-	\$	-
		47	\$	- 5	5	- \$ - \$	-	\$	-	\$ \$		\$	- :	\$		•	- :	3	-	\$	- \$ - \$		\$ \$	-
		48	\$	- \$	5	- \$	-	\$	-	\$	-	\$	- :	\$	- \$		- :	5	- :	\$	- \$	-	\$	-

Jan-18 Feb-18 Mar-18 Jun-18 Jul-18 Aug-18 Sep-18 Oct-18 51 52 53 54 55 56 57 \$ - \$ - \$ - \$. \$ \$ \$

Accumulated Depreciation EPIS Net Plant

																								. 2	
				6	Month	111	Month	Moi	nth	nth		Month	-1	Month	Month	1	Month		Month		Month		Month	-	Month
					13		14		15	16		17		18	19		20		21		22		23		24
- " ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '		POSSESSES SANCORPORA	Device visit in the second	-	Jan-19	and the last	Feb-19	Mar	19	Apr-19		May-19		Jun-19	Jul-19	9	Aug-19		Sep-19		Oct-19		Nov-19		Dec-19
Expenditure and Closing Sch Securitization	edule		THE PARTY					AND DESCRIPTION	1000																
Secuntization																									
CWIP Beginning Balance					0 500 504						-														
Capex	S	4.704.070	0/4/0040	\$	2,522,531		2,911,425 \$	3,302,5				4,091,616		4,489,559											
AFUDC - Debt	\$	4,704,679	2/1/2018	\$	373,272		373,272 \$	373,2				373,272		373,272											
		2.56%		\$	5,786		6,617 \$		52 \$			9,138		-											
AFUDC - Equity		4.36%		\$	9,837	\$	11,249 \$	12,6	\$9 \$	14,097	\$	15,534	\$												
Closings																									
Capex			6/1/2019	\$	-	\$	- \$	-	\$	-	\$	-	\$	4,704,679											
AFUDC - Debt				\$	-	\$	- \$	-	\$	-	\$	-	\$	58,575 \$	-										
AFUDC - Equity				\$	-	\$	- \$	-	\$	-	\$		\$	99,576 \$	-										
CWIP Ending Balance				\$	2,911,425	\$	3,302,562 \$	3,695,9	55 \$	4,091,616	\$	4,489,559	\$	(0) \$	-	-0									
i																									
CWIP Beginning Balance				\$	_	\$	- \$	-	S		\$	- 1	S	- S		S	2,064,988	S	4,141,884						
Capex	\$	6,177,153	6/1/2019	S	-	\$	- S	_	s		\$		\$	- S	2,059,051	5	2,059,051		2,059,051						
AFUDC - Debt		2.56%		S	-	\$	- S	-	s	_	\$		Š	- \$	2,199				2,000,001						
AFUDC - Equity		4.36%		S		\$	- \$	_	Š		S		s	- \$	3,738				-						
Closings						•			•		•		•		0,700	4	11,200	4							
Capex			9/1/2019	S		S	- S		S	-	\$		\$	- s	_	\$		•	6,177,153						
AFUDC - Debt				\$		Š	- \$	-	ě	-	ě		\$	- \$		9	-	9	8,808						
3 AFUDC - Equity				•		Š	- \$			-	9		S		-	9	-	Þ							
CWIP Ending Balance				S		S	- \$				\$			- \$		\$		\$	14,974						
G CVVIF Ending Balance				Þ	-	\$	- \$	-	\$	-	\$	- 1	\$	- \$	2,064,988	\$	4,141,884	\$	0	\$	-				
CWIP Beginning Balance				•							_		_					120		State					
		4 470 474	0440040	\$	-	\$	- \$	-	\$		\$		\$	- \$	-	\$	-	\$		\$			492,240		987,318
Capex	\$	1,472,474	9/1/2019	\$	-	\$	- \$	-	\$		\$		\$	- \$	-	\$	-	\$	1-	\$	490,825		490,825		490,825
AFUDC - Debt		2.56%		\$	-	\$	- \$	-	\$		\$		\$	- \$	-	\$	-	\$		\$	524		1,576		-
AFUDC - Equity		4.36%		\$	-	\$	- \$	-	\$		\$	-	\$	- \$	-	\$	-	\$	-	\$	891	\$	2,678	\$	-
Closings																									
Capex			12/1/2019	\$		\$	- \$	-	\$	-	\$	-	\$	- \$	-	\$	-	\$		\$	-	\$		\$	1,472,474
2 AFUDC - Debt				\$	- :	\$	- \$	-	\$	-	\$	- 1	\$	- \$	-	\$	-	\$		\$	-	S	-	S	2,100
AFUDC - Equity				\$		\$	- \$	-	\$	-	\$		\$	- \$		\$		\$	-	S		S		S	3,569
CWIP Ending Balance				\$	-	\$	- \$	-	\$	-	\$	- :	\$	- \$	-	s	-	S	-	s	492,240	S	987,318	S	(0)
											1000			•		-				*	.02,210	•	201,010	~	(0)

· ·				F0 100	Monti		Month	PLN I	Month		wonth	Mo	nth	Month	Mon		Month	Month	Month	Month	Month
1 2					Jan-1		14 Feb-19		15 Mar-19		16 Apr-19	May	17 /-19	18 Jun-19	Jul-1	19 19	20 Aug-19	21 Sep-19	22 Oct-19	23 Nov-19	24 Dec-19
96 97 Total Monthly Closings	\$ 12,3	354,306		\$	-	\$	•	\$		\$	- \$. \$	4,862,831 \$		\$	- \$	6,200,935 \$	- \$	- \$	1,478,143
Total Monthly Closings Excludi	ing AFUDC - Ed	quity		\$	-	\$		\$		\$	- \$. \$	4,763,254 \$	-	\$		6,185,961 \$	- \$	- \$	1,474,574
Book Depreciation Monthly Closings - AFUDC - Eq	uity			\$		\$		\$	•	\$	- \$		- \$	99,576 \$	·	\$	- 1980 - 21	14,974 \$	- \$	- \$	
Distribution Feeder Undeground			Month																		
Depreciation Rate - conde	uit	2.28%	1 2	\$ \$	-	\$:	\$		\$	- \$ - \$		836	- \$		\$	- 5		- \$ - \$	- \$ - \$	
			3	\$ \$		\$		\$ \$		\$	- \$ - \$		\$. \$	- S		\$	- 5		- \$ - \$	- S	
			5	\$	-	\$	-	\$	-	\$	- \$. \$	- \$	-	\$	- 3		- \$	- \$	-
			6 7	\$ \$	-	\$	-	\$	-	\$	- \$ - \$. \$	- S - S		\$	- 5	T.	- \$ - \$	- \$ - \$	
			8	\$ \$	-	\$		\$		\$	- \$ - \$		\$ \$	- \$	-	S	- \$	- \$	- \$ - \$	- \$	-
			10	\$	-	\$	-	\$	-	\$	- \$. \$	- \$	-	\$	- 3	- \$	- \$	- \$	-
			11 12	\$ \$	-	\$	- 1	\$	-	\$	- \$ - \$. \$	- \$ - \$	-	s s	- 5	- \$ - \$	- \$ - \$	- \$ - \$	
			13 14	\$ \$	-	\$	-	\$ \$		\$	- \$. \$	- \$	-	\$	- \$	- \$	- \$	- \$	•
			15	\$	-	\$	18	\$	-	\$	- \$ - \$. \$	- \$	-	\$	- \$	·	- \$ - \$	- \$	-
			16 17	\$ \$		\$		\$ \$	-	\$ \$	- \$ - \$		•	- \$ - \$		S	- \$	i	- \$ - \$	- \$ - \$	
			18	\$		\$	-	\$	-	\$	- \$. \$	3,511 \$	3,51	1 \$	3,511	3,511 \$	3,511 \$	3,511 \$	
			19 20	\$ \$	-	\$		\$	-	\$	- \$ - \$		\$	- \$		\$	- 5		- \$ - \$	- \$ - \$	
			21	\$ \$		\$	- 1	\$	-	\$	- \$ - \$		\$. \$	- \$ - \$		\$ S	- 5	10,800,000	4,477 \$ - \$	4,477 \$ - \$	
			23	\$	-	\$	-	\$	-	\$	- \$. \$	- \$		s	- 3		- \$	- \$	-
			24 25	\$ \$		\$	-	\$	-	\$	- \$ - \$. \$	- \$ - \$	-	S	- 5	- \$ - \$	- \$ - \$	- \$ - \$	1,067
			26 27	\$ \$	-	\$	-	\$	-	\$	- \$ - \$		\$. \$	- \$	-	S	- \$		- \$	- \$	-
			28	\$	-	\$	-	\$	-	\$	- \$. \$	- \$	-	s	- 5	5 - \$ 5 - \$	- \$ - \$	- \$	
			29 30	\$ \$		\$	-	\$		\$	- \$ - \$. \$	- \$ - \$	-	\$ \$	- \$	- \$ - \$	- \$ - \$	- \$ - \$	-
			31	\$	-	\$	-	\$	-	\$	- \$. \$	- \$	-	s	- \$		- \$	- \$	-
			32 33	\$ \$		\$		\$		\$	- \$ - \$		\$	- \$	-	S	- 5	; - \$; - \$	- \$ - \$	- \$	
			34 35	\$ \$	-	\$		\$		\$	- \$ - \$		\$ \$	- \$		S	- 5		- \$ - \$	- \$	
			36	\$	-	\$	-	\$	-	\$	- \$. \$	- \$	(A)	\$	- 5	- \$	- \$	- \$	÷
			37 38	\$ \$	-	\$		\$	-	\$	- \$ - \$		\$	- \$		\$	- 5		- \$ - \$	- \$ - \$	-
			39 40	\$ \$	-	\$	-	\$		\$	- \$ - \$		\$	- \$	-	S	- \$	- \$	- \$ - \$	- \$	-
			41	\$	-	\$	-	\$	-	\$	- \$. \$	- \$	-	\$	- \$	- \$	- \$	- \$	
			42 43	\$ \$	-	\$		\$	-	\$	- \$ - \$. \$	- \$ - \$	-	\$	- 5	- \$ - \$	- \$ - \$	- \$ - \$	
			44 45	\$ \$	-	\$	-	\$	-	\$	- \$ - \$		\$	- \$ - \$	-	\$	- 5	- \$ - \$	- \$ - \$	- \$	*
			46	\$	-	\$	- 1	\$	-	\$	- \$		\$	- \$		\$	- 9	· ·	- \$	- \$	-
			47 48	\$ \$	-	\$	- 1	\$	-	\$	- \$ - \$			- \$ - \$	-	\$ \$	- \$	- \$ - \$	- \$ - \$	- \$ - \$	
			49 50	\$ \$	-	\$	-	\$ S	-	\$	- \$ - \$		\$	- \$ - \$		\$	- 5	· · ·	- \$	- s	-
			51	\$	-	\$		\$	-	\$	- \$. \$	- \$		\$	- 3		- \$ - \$	- \$ - \$	Ĩ.
			52 53	\$	-	\$	-	\$	-	\$	- \$ - \$. \$	- \$ - \$		\$	- 9		- \$ - \$	- \$ - \$	
			54 55	\$	-	\$	-	\$	-	\$	- \$		\$	- \$		\$	- \$	- \$	- \$	- \$	
			56	\$	-	\$	-	\$	-	\$	- \$ - \$		\$	- \$ - \$	-	\$	- 3	- \$	- \$ - \$	- \$	
			57 58	\$ \$	-	\$	-	\$	-	\$	- \$ - \$		\$	- \$ - \$		\$	- 9		- \$ - \$	- \$ - \$	-
				\$	-	\$	-	\$	-	\$	- \$ - \$. \$	- \$	-	\$	- \$			- \$	
			60 61	\$	-	\$	-	\$		\$	- \$		\$	- \$		\$	- S	- \$	- \$	- \$	-
			62 63	\$ \$ \$ \$	-	\$	-	\$	-	\$	- \$ - \$		\$	- \$	-	\$	- 9	- \$	- \$	- \$ - \$	
			64	\$		\$	-	\$	-	\$	- \$. \$	- \$	-	\$	- \$	- \$	- \$	- \$	
			66	\$		\$	-	\$	-	\$	- \$ - \$		\$	- \$ - \$	-	\$	- S	- \$	- \$	- \$ - \$:
				\$	-	\$	-	\$		\$	- \$ - \$. \$	- \$	-	\$	- \$	- \$		- \$	-
			69	\$	-	\$	-	\$	-	\$. \$	- \$		\$	- 5		- \$	- \$ - \$	
			70 71	\$ \$ \$		\$ \$ \$:	\$ \$		\$	- \$ - \$ - \$ - \$		\$ \$ \$ \$ \$ \$ \$ \$	- \$ - \$ - \$ - \$ - \$	-	\$	- \$	- \$	- \$ - \$ - \$ - \$ - \$	- \$ - \$ - \$ - \$ - \$	-
			72 73	\$	-	\$	-	\$		\$	- \$		\$	- \$	-	\$	- \$	- \$	- \$ - \$ - \$	- \$ - \$ - \$	-
			oned	1450		1000				-51			*	•						•	. 200

			Month	Month	Month	nth		th	Month	Month	Month	Month	Month	Month	Month
1 2			13	14	15	16		7	18	19	20	21	22	23	24
2	74	s	Jan-19 - \$	Feb-19	Mar-19	Apr-19		19 S	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19
	75	S	- 3			\$ - \$ -	\$ - \$ -	S	- \$ - \$		\$ - \$ \$ - \$				
	76	\$	- \$			\$ -	\$ -	\$	- \$		\$ - \$				
	77	\$	- \$	100	\$ -	\$ -	\$ -	\$	- \$	-	\$ - \$	- \$	- \$	- 5	-
	78 79	\$ \$	- 9			\$ -	\$ -	\$	- \$	-			- \$	- \$	-
	80	S	- 5		2	\$ - \$ -	• -	\$	- \$ - \$		\$ - \$ \$ - \$		- \$	- \$	-
	81	\$	- 5	50	s -	\$ -	\$ -	Š	- \$		•	- 9		- 3	-
	82	\$	- \$	-	\$ -	\$ -	\$ -	\$	- \$		s - s			- 5	-
	83	\$	- \$		•	\$ -	\$ -	\$	- \$	-	\$ - \$	- \$	- \$	- \$	-
	84 85	\$ \$	- \$		\$ -	\$ -	\$ -	\$	- \$	-		- \$	- \$	- \$	-
	86	\$	- 5		\$ - \$ -	\$ - \$ -	\$ -	\$	- \$ - \$		\$ - \$ \$ - \$	- 8	- \$	- 8	-
	87	\$	- \$	-	\$ -	\$ -	\$ -	\$	- \$		\$ - S	- 5	- \$	- 3	-
	88	\$	- \$	-	\$ -	\$ -	\$ -	\$	- \$	-	\$ - \$	- \$	- \$	- \$	-
	89 90	\$ \$	- \$	-	\$ -	\$ -	\$ -	\$	- \$		\$ - \$	- \$	- \$	- \$	-
	91	\$	- 3		•	\$ - \$ -	\$ -	\$	- \$ - \$		\$ - \$ \$ - \$	- \$	- \$	- \$	-
	92	\$	- \$	6	Y 2001	\$ -	\$ -	\$	- \$	-		- \$	- \$	- 3	
	93	\$	- \$	-	\$ -	\$ -	\$ -	\$	- \$	-	2	- 9	- \$	- 8	-
	94	\$	- \$		\$ -	š	\$ -	\$	- \$	-		- \$	- \$	- \$	-
	95 96	\$ \$	- \$		\$ - \$ -	\$ -	\$ -	\$	- \$ - \$	-	3	- \$		- \$	
	30	\$	- \$			\$ -	\$ -	\$	3,511 \$	3,511		7,988 \$		7,988 \$	
						•			2,211	5,511	,	7,000 €	7,000 \$	1,500 \$	
Accumulated Depreciation		•								0.000	2 10012001 12		Date (1990)		
EPIS		\$	- \$ - \$		\$ - : \$ - :	\$ - \$ -	\$ - \$ -	\$	3,511 \$ 972,566 \$	7,022 972,566					
Net Plant		\$	- \$ - \$			\$ -	\$ -	\$	969,055 \$	965,544					
														-,,	_,,
Distribution Feeder Undegrounding	Month														
Convenientian Pata, conductors & devices	1	\$	- \$		\$ -		\$ -	\$	- \$	- :	50	- s		- \$	
Depreciation Rate - conductors & devices 2.12%	2	\$ \$	- \$		\$ - : \$ - :	7	\$ - \$ -	\$ \$	- \$	- :		- \$ - \$		- \$	
	4	\$	- \$		\$ -	•	\$ -	s	- \$			- 3 - S	7	- S	
	5	\$	- \$		\$ - :	\$ -	\$ -	\$	- \$	- :	\$ - \$	- \$		- \$	-
	6	\$ \$	- \$		\$ -	•	\$ -	\$	- \$	- 5		- \$		- \$	-
	8	\$	- \$		\$ - : \$ - :		\$ - \$ -	\$	- \$	- 5		- \$ - \$	- \$ - \$	- \$	-
	9	\$	- \$	-	\$ -	1	\$ -	\$	- \$	_		- \$	- \$	- 8	
	10	\$	- \$		\$ - :	\$ -	\$ -	\$	- \$	- 5	s - s	- \$	- \$	- \$	-
	11 12	\$	- \$	-	\$ -	\$ -	\$ -	\$	- \$	- 5	5 - \$	- \$	- \$	- \$	-
	13	Š	- 5		\$ - : \$ - :		\$ -	\$	- 3	- 5		- \$ - \$	- \$ - \$	- \$	-
	14	\$	- \$	- :	\$ - :	\$ -	\$ -	Š	- \$	- 3		- \$	- \$	- \$	-
	15	\$	- \$		\$ - :		\$ -	\$	- \$	- 5	s - s	- \$	- \$	- \$	-
	16 17	\$ \$	- \$ - \$		\$ - : \$ - :		\$ - \$ -	\$	- \$	- 5		- \$	- \$	- \$	-
	18	S	- \$		1	•	\$ -	\$	5,326 \$	- 5 5,326	100	- \$ 5,326 \$	- \$ 5,326 \$	- \$ 5,326 \$	
	19	\$	- \$	- :	\$ -	•	\$ -	\$	- \$	- 5		- \$			
	20	\$	- \$		\$ - :	M	\$ -	\$	- \$	- \$		- \$	- \$	- \$	-
	21 22	\$ \$	- \$		•	T. 11	\$ - \$ -	\$	- \$	- §	5 - \$ 5 - \$	6,792 \$ - \$		COMMONWELL IN	
	23	\$	- \$				š -	s	- \$	- 3	- S	- \$ - \$	- \$ - \$	- \$ - \$	
	24	\$	- \$		\$ - :		\$ -	\$	- \$	- \$	- \$	- \$	- \$	- \$	1,619
	25 26	\$ \$	- \$ - \$		\$ - : \$ - :		\$ -	\$	- \$	- 5	- \$	- \$	- \$	- \$	
	27	\$	- \$		\$ -	\$ -	\$ -	\$	- S	- 3	• - \$ • - \$	- \$ - \$	- \$ - \$	- \$ - \$	
	28	\$	- \$		\$ - :	\$ -	\$ -	\$	- \$	- 3	- \$	- \$	- \$	- \$	-
	29 30	\$ \$	- \$		\$ - :		\$ -	\$	- \$	- \$	- \$	- \$	- \$	- \$	-
	31	S	- \$ - \$			•	\$ - \$ -	\$	- \$ - \$	- 5	· ·	- \$ - \$	- \$ - \$	- \$	-
	32	\$	- \$				\$ -	\$	- \$	- 3		- \$	- \$	- \$ - \$	
	33	\$	- \$		1	•	\$ -	\$	- \$	- \$	- \$	- \$	- \$	- \$	-
	34 35	\$ \$	- \$	gii 100 te	•	•	\$ -	\$	- \$	- \$	- \$	- \$	- \$	- \$	-
	36	\$	- \$				\$ - \$ -		- \$ - \$	- \$					
	37	\$	- \$	- :	5 - 5	s -	\$ -	\$	- \$	- \$	- \$		- \$		
	38 39	\$	- \$			\$ -	\$ -		- \$	- \$	- \$	- \$	- \$	- \$	-
		\$	- \$ - \$	-		\$ - \$ -	\$ - \$ -	\$	- \$ - \$	- 9		- \$ - \$	- \$ - \$		
	41	\$	- \$	- :	- = 5	\$ -	\$ -	\$	- \$	- 3			- \$		
		\$	- \$	-	- 5	-	\$ -	\$	- \$	- \$	- \$	- \$	- \$	- \$	
	43 44	\$	- \$		- 5	\$ - \$ -	\$ - \$ -	\$	- \$ - \$	- 5			- \$		
	45	\$	- \$				\$ -	\$	- \$	- 3		- \$ - \$	- \$ - \$	- \$	
	46	\$	- \$	- :	- 5	-	\$ -	\$	- \$	- \$	- \$	- S - S	- \$ - \$	- \$	-
	47 48	\$	- \$	- :	- 5	-	\$ -	\$	- \$	- \$	- \$	- \$	- \$	- \$	-

2	Jan-19	Feb-19	Mar-19	16 Apr 10	17 Mov 10	18	19	20	21	22	23	24
49	\$ - \$	- S	- S	Apr-19 - \$	May-19 - \$	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19
50	s - s	- \$	- 9	- s	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$	- \$	- \$	-
51	s - s	- \$		- \$	- s	- \$	- \$	- \$	- \$	- \$	- \$	-
52	\$ - S	- \$	- \$	- s	- \$	- \$	- \$	- \$	- 3	- \$	- \$	-
53	s - s	- s	- \$	- \$	- s	- \$	- s	- \$	- 3	- \$	- \$	-
54	\$ - \$	- \$	- s	- š	- s	- s	- s	- 9	- 3	- \$	- \$ - \$	-
55	\$ - \$	- s	- s	- \$	- s		- \$	- \$	- 3	- \$		-
56	\$ - \$	- s	- \$	- Š	- \$	- Š	- s	- \$	- 3	- 3	- \$ - \$	-
57	\$ - \$	- \$	- \$	- S	- \$	- S	- S	- \$	- 6	- 4	- \$	-
58	\$ - \$	- \$	- S	- \$	- S	- S	- s	- \$	- \$	- \$	- 9	-
59	\$ - \$	- \$	- S	- S	- \$	- S	- \$	- \$	- 5	- \$	- s	-
60	\$ - \$	- \$	- \$	- \$	- \$	- S	- s	- s	- s	- \$	- s	
61	\$ - \$	- \$	- \$	- \$	- \$	- S	- S	- s	- \$	- \$	- \$	
62	\$ - \$	- \$	- \$	- \$	- \$	- \$	- S	- s	- \$	- \$	- \$	-
63	\$ - \$	- \$	- \$	- \$	- \$	- \$	- S	- s	- s	- s	- s	-
64	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- S	- s	- s	
65	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- S	- s	- š	- s	_
66	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- s	- s	- s	- \$	_
67	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- S	- s	- s	- \$	_
68	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	
69	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- S	- s	-
70	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- S	- S	- s	-
71	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- S	- \$	2
72	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- S	- S	- S	-
73	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- s	_
74	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- S	-
75	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- S	- S	-
76	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- S	-
77	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	
78	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
79	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	<u> -</u>
80	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
81	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
82	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
83	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
84	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
85	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
86	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
87	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
88	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
89 90	\$ - \$ \$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
91	\$ - \$	- \$	- 5	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
92	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
93	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	•
93	\$ - \$ \$ - \$	- \$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
95	\$ - \$	- \$ - \$	- 3	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
		- \$ - \$	- \$ - \$	- \$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	
90 .	\$ - \$	- \$	- \$ - \$	- \$ - \$	- \$	- \$ 5,326 \$	- \$ 5,326 \$	- \$ 5,326 \$	- \$	- \$	- \$	40.700
	4 - 9	- 3	- \$	- 3	- \$	5,326 \$	5,326 \$	5,326 \$	12,119 \$	12,119 \$	12,119 \$	13,738
											\$	66,072
Accumulated Depreciation	\$ - \$	- \$	- \$	•		E 222	40.050 *	45.070 *	00.000			
EPIS EPIS	\$ - \$ \$ - \$	- \$	- \$ - \$	- \$ - \$	- \$ - \$	5,326 \$ 3,890,264 \$	10,653 \$ 3,890,264 \$	15,979 \$ 3,890,264 \$	28,098 \$	40,216 \$	52,335 \$	66,072
Net Plant	\$ - \$	- \$	- \$	- \$	- \$	3,884,938 \$	3,890,264 \$		8,851,012 \$	8,851,012 \$	8,851,012 \$	10,033,527
10000	- 9	- 3	- \$	- 3	- \$	3,004,930 \$	3,0/9,012 \$	3,874,285 \$	8,822,915 \$	8,810,796 \$	8,798,678 \$	9,967,454

Potomac Electric Power Company - District of Columbia Distribution System Undergrounding Projects Operation and Maintenance Costs

2018-2022 Budget - 5248749 DC PLUG O&M Cost	
Customer Communication (Education Plan)	
O&M - Customer outreach stations	
Compliance Contractor Costs	
Preliminary engineering work by third party vendor	
PSC Costs	
OPC Costs	
Total	

2017	2018	2019
50,000.00	657,028.00	657,028.00
15,000	0.00	0.00
	100,000.00	100,000.00
\$29,250.00	-	-
125,000.00	0	0
253,000	0	149,000
472,250.00	757,028.00	906,028.00

		Year 1	Year 2	Year 3
Federal tax de	epreciation 2018 Bonus 2019 Bonus	40.00% 30.00%		
Year 1 Year 2	\$ 12,423,789 12,423,789	\$ - \$	3,727,137 3,727,136.82	\$ -
	MACRS	3.750%	7.219%	6.677%
Year 1	\$ -	-	-	-
Year 2	\$ 8,696,653		326,123	627,809
	8,696,653		326,123	627,809

Pepco DC - Per Order No. 17424

As of December 31, 2012			Weighted	After	
Capital Structure	<u>Weight</u>	<u>Rate</u>	Rate	<u>Tax</u>	
Long Term Debt	50.81%	5.96%	3.03%	1.81%	3.03%
Preferred Stock	0.00%	0.00%	0.00%	0.00%	0.00%
Common Stock	<u>49.19%</u>	9.40%	4.620%	4.62%	7.75%
Total	100.00%		7.65%	6.43%	10.78%

AFUDC - Debt 2.563%
AFUDC - Equity 4.357%
AFUDC (Based on Asset Accounting Rates as of May

2017)

6.920%

Revenue Conversion Factor

(1) Line	(2)	(3)	
No.	Particulars	Factor	
1	Tax Rates		
2	Federal Income Tax	0.3500000	
3	* D.C. Franchise Tax Rate	0.0825000	
4		5.0022000	
5			
6			
7			
8	Conversion Factor		
9			
10	DC Taxable Income	1.0000000	1.0000000
11	D.C. Franchise Tax Rate	0.0825000	0.0825000
12			
13	Federal Taxable Income	0.9175000	0.9175000
14	Federal Income Tax	0.3211250	0.3211250
15			
16	Total Additional Taxes	0.4036250	0.4036250
17			
18	Increase in Earnings (1 - additional taxes)	0.5963750	0.5963750
19			
20	Revenue Conversion Factor (1/Incr in Earnings)	1.6767973	1.6767973

J. F. JANOCHA
Direct Exhibit
DC P.S.C. -- July, 2017

Introduced as: PEPCO _____ (C) - 2

Potomac Electric Power Company - District of Columbia Underground Rider - Rate Design - Year 1 Based on FC 1103 Order No. 17424

	TOTAL	Residential	RAD	RTM	RES - A E	**GS-ND	GS-D-LV	GS-3A	GT-LV	GT-3A	GT-3B	RT	SL/TS	TN
Total Authorized Base Revenue Requirement	\$ 333,943,208	56,431,472	\$ 802,185	\$ 884,729	\$ 13,569,517	\$ 12,694,826	\$ 33,553,959	\$ 53,838	\$ 160,518,514	\$ 46,619,570	\$ 448,743	\$ 6,442,548	\$ 1,845,040	\$ 78,265
Authorized Demand/Energy Charge Recovery	\$ 272,658,959	23,982,584	\$ -	\$ 799,302	\$ 5,619,801	\$ 8,738,904	\$ 31,767,790	\$ 39,205	\$ 147,804,194	\$ 46,351,698	\$ 435,131	\$ 6,442,548	\$ 637,468	\$ 40,333
Distribution Undergrounding Revenue Requirement	\$ 30,000,000	8.80%	0.00%	0.29%	2.06%	3.21%	11.65%	0.01%	54.21%	17.00%	0.16%	2.36%	0.23%	0.01%
Rate Class Revenue Requirement	\$ - 5	2,638,745	\$ -	\$ 87,945	\$ 618,333	\$ 961,520	\$ 3,495,332	\$ 4,314	\$ 16,262,535	\$ 5,099,964	\$ 47,876	\$ 708,858	\$ 70,139	\$ 4,438
Class Billing Determinants and Rate Calculation Forecasted Sales (kWh) Energy (\$/kWhr)		1,700,498,008 \$0.00155	\$0.00000	18,264,962 \$0.00481	498,820,003 \$0.00124	324,657,550 \$0.00296	615,267,471 \$0.00568	1,495,801 \$0.00288	4,614,489,054 \$0.00352	2,437,965,317 \$0.00209	237,220,514 \$0.00020	325,417,440 \$0.00218	89,477,428 \$0.00078	2,605,837 \$0.00170
Percentage Increase in Distribution Revenue		4.7%	0.0%	9.9%	4.6%	7.6%	10.4%	8.0%	10.1%	10.9%	10.7%	11.0%	3.8%	5.7%

^{**} GS-ND (Includes Temporary Service Schedule T)

Potomac Electric Power Company - District of Columbia Underground Rider - Rate Design - Year 2 Based on FC 1103 Order No. 17424

	TOTAL	Residential	RAD	RTM	RES - A E	**GS-ND	GS-D-LV	GS-3A	GT-LV	GT-3A	GT-3B	RT	SL/TS	TN
Total Authorized Base Revenue Requirement	\$ 333,943,208	\$ 56,431,472	\$ 802,185	\$ 884,729	\$ 13,569,517	\$ 12,694,826	\$ 33,553,959 \$	53,838	\$ 160,518,514	\$ 46,619,570	\$ 448,743	\$ 6,442,548	\$ 1,845,040	\$ 78,265
Authorized Demand/Energy Charge Recovery	\$ 272,658,959	\$ 23,982,584	\$ -	\$ 799,302	\$ 5,619,801	\$ 8,738,904	\$ 31,767,790 \$	39,205	\$ 147,804,194	\$ 46,351,698	\$ 435,131	\$ 6,442,548	\$ 637,468	\$ 40,333
Distribution Undergrounding Revenue Requirement	\$ 30,000,000	8.8%	0.0%	0.3%	2.1%	3.2%	11.7%	0.0%	54.2%	17.0%	0.2%	2.4%	0.2%	0.0%
Rate Class Revenue Requirement	\$ -	\$ 2,638,745	\$ -	\$ 87,945	\$ 618,333	\$ 961,520	\$ 3,495,332 \$	4,314	\$ 16,262,535	\$ 5,099,964	\$ 47,876	\$ 708,858	\$ 70,139	\$ 4,438
Class Billing Determinants and Rate Calculation Forecasted Sales (kWh) Energy (\$/kWhr)		1,682,274,195 \$0.00157	\$0.00000	17,976,740 \$0.00489	523,124,818 \$0.00118	323,871,458 \$0.00297	613,806,237 \$0.00569	1,492,355 \$0.00289	4,603,462,990 \$0.00353	2,432,233,761 \$0.00210	236,657,968 \$0.00020	325,912,550 \$0.00217	89,495,085 \$0.00078	2,599,607 \$0.00171
Percentage Increase in Distribution Revenue		4.7%	0.0%	9.9%	4.6%	7.6%	10.4%	8.0%	10.1%	10.9%	10.7%	11.0%	3.8%	5.7%

^{**} GS-ND (Includes Temporary Service Schedule T)

J. F. JANOCHA
Direct Exhibit
DC P.S.C. -- July, 2017

Introduced as: PEPCO _____ (C) - 3

CLEAN

Date of Issue:

July 3, 2017

RATE SCHEDULES

FOR

ELECTRIC SERVICE

IN THE

DISTRICT OF COLUMBIA



An Exelon Company

RATES AND REGULATORY PRACTICES GROUP

DC

Date of Issue: July 3, 2017

TABLE OF CONTENTS

RATE SCHEDULES	
RESIDENTIAL SERVICE - SCHEDULE "R"	Page R-3 - 3.1
RESIDENTIAL ALL-ELECTRIC SERVICE - SCHEDULE "AE"	Page R-4 - 4.1
TIME METERED RESIDENTIAL SERVICE - SCHEDULE "R-TM"	Page R-5 - 5.1
TIME METERED RESIDENTIAL SERVICE - EXPERIMENTAL PROGRAM - SCHEDULE "R-TM-EX" (THIS SCHEDULE HAS BEEN DELETED)	Page R-5.2 -5.3
GENERAL SERVICE - NON DEMAND - SCHEDULE "GS ND"	Page R-6 - 6.1
GENERAL SERVICE - LOW VOLTAGE - SCHEDULE "GS LV"	Page R-6.2 - 6.3
GENERAL SERVICE - PRIMARY SERVICE - SCHEDULE "GS 3A"	Page R-6.4- 6.5
TEMPORARY OR SUPPLEMENTARY SERVICE - SCHEDULE "T"	Page R-7 - 7.1
TIME METERED GENERAL SERVICE - LOW VOLTAGE - SCHEDULE "GT LV"	Page R-8 - 8.1
TIME METERED GENERAL SERVICE - PRIMARY SERVICE - SCHEDULE "GT 3A"	Page R-8.2- 8.3
TIME METERED GENERAL SERVICE - HIGH VOLTAGE - SCHEDULE "GT 3B"	Page R-8.4- 8.5
RAPID TRANSIT SERVICE - SCHEDULE "RT"	Page R-9 - 9.1
STREET LIGHTING SERVICE - SCHEDULE "SL"	Page R-10 - 10.1
TRAFFIC SIGNAL SERVICE - SCHEDULE "TS"	Page R-11 - 11.1
SERVICING STREET LIGHTS SERVED FROM OVERHEAD LINES - SCHEDULE "SSL-OH"	Page R-12 - 12.1
SERVICING STREET LIGHTS SERVED FROM UNDERGROUND LINES - SCHEDULE "SSL-UG"	Page R-13 - 13.1
TELECOMMUNICATIONS NETWORK SERVICE - SCHEDULE "TN"	Page R-14 – 14.1
COGENERATION AND SMALL POWER PRODUCTION INTERCONNECTION SERVICE SCHEDULE "CG-SPP"	CE - Page R-15 - 1 5.4

Date Effective: Usage on and after January 1, 2018

DC

TABLE OF CONTENTS (CONTINUED)

STANDBY SERVICE - SCHEDULE "S"	Page R-16 - 16.1
COMMUNITY RENEWABLE ENERGY FACILITY - SCHEDULE "CREF"	Page R-17 – 17.2
RESERVED FOR FUTURE USE	Page R-18 - 24
RIDERS MARKET PRICE SERVICE - RIDER "MPS" (THIS RIDER HAS BEEN DELETED)	Page R-25
RELIABLE ENERGY TRUST FUND- RIDER "RETF"(THIS RIDER HAS BEEN DELETED)	Page R-26
EXPERIMENTAL RESIDENTIAL ELECTRIC VEHICLE SERVICE - RIDER "R-EV"(THIS RIDER HAS BEEN DELETED)	Page R-27
EXPERIMENTAL RESIDENTIAL TIME-OF-USE ELECTRIC VEHICLE SERVICE - RIDER "R-TM-EV" (THIS RIDER HAS BEEN DELETED)	Page R-28
RESIDENTIAL AID DISCOUNT - RIDER "RAD"	Page R-29
POWER FACTOR - RIDER "PF"	Page R-30
TELECOMMUNICATION NETWORK CHARGE - RIDER "SL-TN"	Page R-31
DELIVERY TAX - RIDER "DT"	Page R-32
PUBLIC SPACE OCCUPANCY SURCHARGE - RIDER "PSOS"	Page R-33
GENERATION PROCUREMENT CREDIT - RIDER "GPC"	Page R-34 - 34.1
FUEL ADJUSTMENT CHARGE - RIDER "FA" (THIS RIDER HAS BEEN DELETED)	Page R-35 - 35.1
ENVIRONMENTAL COST RECOVERY RIDER - RIDER "ECRR"(THIS RIDER HAS BEEN DELETED)	Page R-36 - 36.3
EXCESS FACILITIES - RIDER "EF"	Page R-37
OPTIONAL METER EQUIPMENT RELATED SERVICES - RIDER "OMRS"	Page R-38 - 38.1
DIVESTITURE SHARING CREDIT - RESIDENTIAL - RIDER "DS-R"	Page R-39
DIVESTITURE SHARING CREDIT- NON-RESIDENTIAL - RIDER "DS-NR"	Page R-40 - 40.1
STANDARD OFFER SERVICE - RIDER "SOS"	Page R-41 - 41.8
ADMINISTRATIVE CREDIT - RIDER "AC"	Page R-42

DC

Date of Issue: July 3, 2017

TABLE OF CONTENTS (CONTINUED)

RESERVED DELIVERY CAPACITY SERVICE – RIDER "RDCS"	Page R-43 - 43.1
RIDER "PCDC" - POWERCENTSDC™ PROJECT	Page R-44 - 44.6
NET ENERGY METERING RIDER RIDER "NEM"	Page R-45 - 45.1
RESIDENTIAL AID DISCOUNT SURCHARGE RIDER - RIDER "RADS"	Page R-46
SUSTAINABLE ENERGY TRUST FUND – RIDER "SETF"	Page R-47
ENERGY ASSISTANCE TRUST FUND – RIDER "EATF"	Page R-48
BILL STABILIZATION ADJUSTMENT – RIDER "BSA"	Page R-49
RESIDENTIAL DIRECT LOAD CONTROL - RIDER "R-DLC"	Page R-50
UNDERGROUND PROJECT CHARGE - RIDER "UPC"	Page R-51
COMMUNITY NET METERING - RIDER "CNM"	Page R-52 - 52.1
UNDERGROUND RIDER	Page R-53

RESIDENTIAL SERVICE SCHEDULE "R"

AVAILABILITY

Available for either Standard Offer Service when modified by Rider "SOS" or Distribution Service in the District of Columbia portion of the Company's service area for low voltage electric service where the use is primarily for residential purposes and for farm operations where the electricity for both farm and residential purposes is delivered through the same meter.

Available only in individual residences and in individually metered dwelling units in multi-family buildings.

Available for multiple application to master-metered apartment buildings where the use is predominantly residential and not for retail business establishments. Not available for separately metered service billed on Schedules "GS ND", "GS LV", "GS 3A", "GT LV", "GT 3A", or "GT 3B" that did not qualify for multiple application of the residential rate as of December 31, 1982.

Not available for residential premises in which five (5) or more rooms are for hire.

Not available for seasonal loads metered separately from lighting and other usage in the same occupancy.

Not available for temporary, auxiliary or emergency service.

CHARACTER OF SERVICE

The service supplied under this schedule normally will be alternating current, sixty hertz, single phase, three wire, 120/240 volts, or three wire, 120/208 volts.

MONTHLY RATE

	Summer	Winter
Distribution Service Charge Customer Charge – Residential Customer Charge - Master Metered Apartments	\$ 13.00 per month \$ 10.25 per month	\$ 13.00 per month \$ 10.25 per month
Kilowatt-hour Charge First 400 kilowatt-hours In excess of 400 kilowatt hours	\$ 0.00759 per kwhr \$ 0.02166 per kwhr	\$ 0.00759 per kwhr \$ 0.01512 per kwhr

Generation and Transmission Service Charges – Customers who do not receive service from an alternative Electric Supplier as defined in the Company's General Terms and Conditions will receive Generation and Transmission Service from the Company under the provisions of Rider "SOS" – Standard Offer Service.

Billing Credit - A monthly billing credit in the amount of \$0.62 will be applied to the bill of each customer receiving a consolidated bill from an alternative supplier for services provided both by Pepco and by the alternative supplier.

BILLING MONTHS

Date of Issue: July 3, 2017

Summer – Billing months of June through October. **Winter** – Billing months of November through May.

Date Effective: Usage on and after

DC - R

METER READING

Watt-hour meters will be read to the nearest multiple of the meter constant and bills rendered accordingly.

GENERAL TERMS AND CONDITIONS

This schedule is subject in all respects to the Company's "General Terms and Conditions for Furnishing Electric Service" and the Company's "Electric Service Rules and Regulations."

APPLICABLE RIDERS

Standard Offer Service - Residential Administrative Credit Generation Procurement Credit **Delivery Tax** Public Space Occupancy Surcharge Residential Aid Discount Optional Meter Equipment Related Services Divestiture Sharing Credit – Residential POWERCENTSDC™ Project Rider Net Energy Metering Rider Residential Aid Discount Surcharge Rider Sustainable Energy Trust Fund Energy Assistance Trust Fund Bill Stabilization Adjustment Underground Project Charge Rider Community Net Metering Rider Underground Rider

Date of Issue: July 3, 2017

Date Effective: Usage on and after

RESIDENTIAL ALL-ELECTRIC SERVICE SCHEDULE "AE"

AVAILABILITY

Available for either Standard Offer Service when modified by Rider "SOS" or Distribution Service in the District of Columbia portion of the Company's service area for low voltage electric service where electricity is the sole source of energy for space heating or the primary source with the application of an add-on heat pump or solar space heating system supplemented by electric space heating servicing the entire conditioned space.

Available only in individual residences and in individually metered dwelling units in multi-family buildings.

Available for multiple application to master-metered apartments where the use is predominantly residential and not for retail establishments. Not available for separately metered service billed on Schedules "GS ND", "GS LV", "GS 3A", "GT LV", "GT 3A" and "GT 3B" that did not qualify for multiple application of the residential rate as of December 31, 1982.

Not available for residential premises in which five (5) or more rooms are for hire.

Not available for seasonal loads metered separately from lighting and other usage in the same occupancy.

Not available for temporary, auxiliary or emergency service.

CHARACTER OF SERVICE

The service supplied under this schedule normally will be alternating current, sixty hertz, single phase, three wire, 120/240 volts, or three wire, 120/208 volts.

MONTHLY RATE

	Summer	Winter
Distribution Service Charge Customer Charge – Residential Customer Charge - Master Metered Apartments	\$ 13.00 per month \$ 10.25 per month	\$ 13.00 per month \$ 10.25 per month
Kilowatt-hour Charge First 400 kilowatt-hours In excess of 400 kilowatt-hours	\$ 0.00824 per kwhr \$ 0.02398 per kwhr	\$ 0.00824 per kwhr \$ 0.01341 per kwhr

Generation and Transmission Service Charges – Customers who do not receive service from an alternative Electric Supplier as defined in the Company's General Terms and Conditions will receive Generation and Transmission Service from the Company under the provisions of Rider "SOS" – Standard Offer Service.

Billing Credit - A monthly billing credit in the amount of \$0.62 will be applied to the bill of each customer receiving a consolidated bill from an alternative supplier for services provided both by Pepco and by the alternative supplier.

BILLING MONTHS

Summer – Billing months of June through October. Winter – Billing months of November through May.

Date of Issue: July 3, 2017 Date Effective: Usage on and after

Electricity--P.S.C. of D.C. No. 1 Sixteenth Revised Page No. R-4.1

DC - AE

METER READING

Watt-hour meters will be read to the nearest multiple of the meter constant and bills rendered accordingly.

GENERAL TERMS AND CONDITIONS

This schedule is subject in all respects to the Company's "General Terms and Conditions for Furnishing Electric Service" and the Company's "Electric Service Rules and Regulations."

APPLICABLE RIDERS

Standard Offer Service - Residential Administrative Credit Generation Procurement Credit **Delivery Tax** Public Space Occupancy Surcharge Residential Aid Discount Optional Meter Equipment Related Services Divestiture Sharing Credit – Residential POWERCENTSDC™ Project Rider Net Energy Metering Rider Residential Aid Discount Surcharge Rider Sustainable Energy Trust Fund Energy Assistance Trust Fund Bill Stabilization Adjustment Underground Project Charge Rider Community Net Metering Rider Underground Rider

Date of Issue: July 3, 2017

Date Effective: Usage on and after January 1, 2018

TIME METERED RESIDENTIAL SERVICE SCHEDULE "R-TM"

AVAILABILITY

Shall be applicable for either Standard Offer Service when modified by Rider "SOS" or Distribution Service in the District of Columbia portion of the Company's service area to approximately the eight hundred (800) largest residential customers who have participated in the residential time-of-use rates program and who are served under Schedule "R-TM". Any customer presently on Schedule "R-TM" whose energy consumption is less than 2,500 kilowatt-hours for each of the five (5) summer billing months in a calendar year may at the customer's option elect to continue service under this schedule or be served under any other applicable schedule. If the customer elects to stay on Schedule "R-TM", the customer will remain on Schedule "R-TM" for at least twelve (12) billing months. Rate schedule changes will be made annually and become effective with the billing month of June.

Available only for low voltage electric service where the use is primarily for residential purposes and for farm operations where the electricity for both farm and residential purposes is delivered through the same meter.

Available only in individual residences and in individually metered dwelling units in multi-family buildings.

Not available for multiple application to master-metered apartment buildings where the use is predominantly residential.

Not available for residential premises in which five (5) or more rooms are for hire.

Not available for seasonal loads metered separately from lighting and other usage in the same occupancy.

Not available for temporary, auxiliary or emergency service.

Not available for customers certified as eligible to be billed under Rider "RAD".

CHARACTER OF SERVICE

Date of Issue: July 3, 2017

The service supplied under this schedule normally will be alternating current, sixty hertz, single phase, three wire, 120/240 volts, or three wire, 120/208 volts.

MONTHLY RATE

	Summer	Winter
Distribution Service Charge		
Customer Charge	\$ 17.52 per month	\$ 17.52 per month
Kilowatt-hour Charge	\$ 0.04299 per kwhr	\$ 0.04299 per kwhr

Generation and Transmission Service Charges – Customers who do not receive service from an alternative Electric Supplier as defined in the Company's General Terms and Conditions will receive Generation and Transmission Services from the Company under the provisions of Rider "SOS" – Standard Offer Service.

Billing Credit - A monthly billing credit in the amount of \$0.62 will be applied to the bill of each customer receiving a consolidated bill from an alternative supplier for services provided both by Pepco and by the alternative supplier.

Date Effective: Usage on and after

DC - R - TM

BILLING MONTHS

Summer - Billing months of June through October. Winter - Billing months of November through May.

METER READING

Watt-hour meters will be read to the nearest multiple of the meter constant and bills rendered accordingly.

GENERAL TERMS AND CONDITIONS

This schedule is subject in all respects to the Company's "General Terms and Conditions for Furnishing Electric Service" and the Company's "Electric Service Rules and Regulations."

APPLICABLE RIDERS

Standard Offer Service - Residential Administrative Credit Generation Procurement Credit **Delivery Tax** Public Space Occupancy Surcharge Optional Meter Equipment Related Services Divestiture Sharing Credit - Residential Net Energy Metering Rider Residential Aid Discount Surcharge Rider Sustainable Energy Trust Fund **Energy Assistance Trust Fund** Bill Stabilization Adjustment Underground Project Charge Rider Community Net Metering Rider Underground Rider

Date of Issue: July 3, 2017

Date Effective: Usage on and after

GENERAL SERVICE – NON DEMAND SCHEDULE "GS ND"

AVAILABILITY

Available for either Standard Offer Service when modified by Rider "SOS" or Distribution Service in the District of Columbia portion of the Company's service area for "GS LV" customers whose maximum monthly demand is less than 25 kW. Customers whose maximum demand is between 25 kW and 99 kW will be served on Schedule GS LV or GS 3A subject to the provisions stated therein. Customers whose maximum demand is equal to or in excess of one hundred (100) kilowatts during two (2) or more billing months within twelve (12) consecutive billing months will be transferred to Schedule "GT LV", "GT 3A", or "GT 3B" in accordance with the availability provisions therein. Rate schedule transfers will be made annually and become effective with the billing month of June.

Available for low voltage electric service at sixty hertz and for primary service furnished directly from the Company's electric system at voltages of 4.16 kV, 13.2 kV, or 33 kV, when the customer provides at the customer's own expense, all necessary transformers, converting apparatus, switches, disconnects, regulators and protective equipment.

Not available for railway propulsion service.

Not available for secondary temporary service or supplementary loads metered separately from lighting and other usage in the same occupancy.

CHARACTER OF SERVICE

MONTHLY RATE

The service supplied under this schedule normally will be alternating current, sixty hertz, either (i) single phase, three wire, 120/240 volts or 120/208 volts, or (ii) three phase, four wire, 120/208 volts or 265/460 volts for GS Low Voltage Non Demand customers. For GS 3A Non Demand customers, the service under this schedule, normally will be alternating current, sixty hertz, three phase, three wire, at 4.16kV, 13.2kV or 33 kV. Primary nominal service voltage levels will be specified by the Company on the basis of its available facilities and the magnitude of the load to be served.

GS LOW VOLTAGE NON DEMAND

Winter

Distribution Service Charge Customer Charge Kilowatt-hour Charge All kilowatt-hours

\$ 23.39 per month

Summer

\$ 23.39 per month

\$ 0.03530 per kwhr

\$ 0.02926 per kwhr

Generation and Transmission Service Charges – Customers who do not receive service from an alternative Electric Supplier as defined in the Company's General Terms and Conditions will receive Generation and Transmission Services from the Company under the provisions of Rider "SOS" – Standard Offer Service.

Date of Issue: July 3, 2017 Date Effective: Usage on and after

DC - GS ND

Billing Credit - A monthly billing credit in the amount of \$0.75 will be applied to the bill of each customer receiving a consolidated bill from an alternative supplier for services provided both by Pepco and by the alternative supplier.

BILLING MONTHS

Summer – Billing months of June through October. Winter – Billing months of November through May.

Demand metering equipment will be installed and charges subsequent to the installation of this equipment will be computed under the billing demand provision when the customer's load is of such a magnitude and of such a nature as to indicate any of the following:

- 1. Monthly energy consumption in excess of 6,000 kilowatt-hours in two (2) consecutive winter billing months (November through May, inclusive).
- 2. Monthly energy consumption in excess of 7,500 kilowatt-hours for a single summer billing month (June through October, inclusive).
- 3. A monthly demand greater than or equal to twenty-five (25) kilowatts in a single month.

Demand accounts are reviewed annually. The account will be billed under non-demand billing provision when the consumption for each of the previous twelve (12) months is below 6,000 kilowatt-hours and the demand is less than twenty-five (25) kilowatts.

BILLING DEMAND

The billing demand shall be the maximum thirty (30) minute demand recorded during the month.

METER READING

Watt-hour meters will be read to the nearest multiple of the meter constant and bills rendered accordingly.

GENERAL TERMS AND CONDITIONS

This schedule is subject in all respects to the Company's "General Terms and Conditions for Furnishing Electric Service" and the Company's "Electric Service Rules and Regulations."

APPLICABLE RIDERS

Standard Offer Service – Small Commercial Administrative Credit
Generation Procurement Credit
Power Factor
Delivery Tax
Public Space Occupancy Surcharge
Divestiture Sharing Credit – Non-Residential
Net Energy Metering Rider
Residential Aid Discount Surcharge Rider
Sustainable Energy Trust Fund
Energy Assistance Trust Fund
Bill Stabilization Adjustment
Underground Project Charge Rider
Community Net Metering Rider
Underground Rider

Date of Issue: July 3, 2017

Date Effective: Usage on and after January 1, 2018

GENERAL SERVICE - LOW VOLTAGE SCHEDULE "GS LV"

AVAILABILITY

Available for either Standard Offer Service when modified by Rider "SOS" or Distribution Service in the District of Columbia portion of the Company's service area, except if the customer's maximum demand is equal to or in excess of one hundred (100) kilowatts during two (2) or more billing months within twelve (12) consecutive billing months, the customer will be transferred to Schedule "GT LV", "GT 3A", or "GT 3B" in accordance with the availability provisions therein. Rate schedule transfers will be made annually and become effective with the billing month of June. Customers with monthly maximum demands less than 25 kW are served on Schedule "GS ND" subject to the provisions stated therein.

Available for low voltage electric service at sixty hertz.

Not available for railway propulsion service.

Not available for secondary temporary service or supplementary loads metered separately from lighting and other usage in the same occupancy.

CHARACTER OF SERVICE

The service supplied under this schedule normally will be alternating current, sixty hertz, either (i) single phase, three wire, 120/240 volts or 120/208 volts, or (ii) three phase, four wire, 120/208 volts or 265/460

MONTHLY RATE

	Summer	Winter
Distribution Service Charge Customer Charge	\$ 27.11 per month	\$ 27.11 per month
Kilowatt-hour Charge First 6,000 kilowatt-hours Additional kilowatt-hours	\$ 0.04535 per kwhr \$ 0.04535 per kwhr	\$ 0.03602 per kwhr \$ 0.03602 per kwhr
Demand Charge	\$ 4.53 per kw	\$ 4.53 per kw

Generation and Transmission Service Charges - Customers who do not receive service from an alternative Electric Supplier as defined in the Company's General Terms and Conditions will receive Generation and Transmission Services from the Company under the provisions of Rider "SOS" - Standard Offer Service.

Date Effective: Usage on and after Date of Issue: July 3, 2017

DC - GS LV

Billing Credit - A monthly billing credit in the amount of \$0.75 will be applied to the bill of each customer receiving a consolidated bill from an alternative supplier for services provided both by Pepco and by the alternative supplier.

BILLING MONTHS

Summer – Billing months of June through October. **Winter** – Billing months of November through May.

Demand metering equipment will be installed and charges subsequent to the installation of this equipment will be computed under the billing demand provision when the customer's load is of such a magnitude and of such a nature as to indicate any of the following:

- 1. Monthly energy consumption in excess of 6,000 kilowatt-hours in two (2) consecutive winter billing months (November through May, inclusive).
- 2. Monthly energy consumption in excess of 7,500 kilowatt-hours for a single summer billing month (June through October, inclusive).
- 3. A monthly demand greater than or equal to twenty-five (25) kilowatts in a single month.

Demand accounts are reviewed annually. The account will be billed under non-demand billing provision when the consumption for each of the previous twelve (12) months is below 6,000 kilowatt-hours and the demand is less than twenty-five (25) kilowatts.

BILLING DEMAND

The billing demand shall be the maximum thirty (30) minute demand recorded during the month.

METER READING

Watt-hour meters will be read to the nearest multiple of the meter constant and bills rendered accordingly.

GENERAL TERMS AND CONDITIONS

This schedule is subject in all respects to the Company's "General Terms and Conditions for Furnishing Electric Service" and the Company's "Electric Service Rules and Regulations."

APPLICABLE RIDERS

Standard Offer Service – Large Commercial Administrative Credit
Generation Procurement Credit
Power Factor
Delivery Tax
Public Space Occupancy Surcharge
Divestiture Sharing Credit – Non-Residential
Net Energy Metering Rider
Residential Aid Discount Surcharge Rider
Sustainable Energy Trust Fund
Energy Assistance Trust Fund
Bill Stabilization Adjustment
Underground Project Charge Rider
Community Net Metering Rider
Underground Rider

Date of Issue: July 3, 2017 Date Effective: Usage on and after

GENERAL SERVICE - PRIMARY SERVICE SCHEDULE "GS 3A"

AVAILABILITY

Available for either Standard Offer Service when modified by Rider "SOS", or Distribution Service in the District of Columbia portion of the Company's service area, except if the customer's maximum demand is equal to or in excess of one hundred (100) kilowatts during two (2) or more billing months within twelve (12) consecutive billing months, the customer will be transferred to Schedule "GT LV", "GT 3A", or "GT 3B" in accordance with the availability provisions therein. Rate schedule transfers will be made annually and become effective with the billing month of June. Customers with monthly maximum demands less than 25 kW are served on Schedule "GS ND" subject to the provisions stated therein.

Available for primary service furnished directly from the Company's electric system at voltages of 4.16 kV, 13.2 kV or 33 kV, when the customer provides at the customer's own expense, all necessary transformers, converting apparatus, switches, disconnects, regulators and protective equipment.

Not available for railway propulsion service.

Not available for secondary temporary service or supplementary loads metered separately from lighting and other usage in the same occupancy.

CHARACTER OF SERVICE

Date of Issue: July 3, 2017

The service under this schedule, normally will be alternating current, sixty hertz, three phase, three wire, at 4.16kV, 13.2kV or 33kV. Primary nominal service voltage levels will be specified by the Company on the basis of its available facilities and the magnitude of the load to be served.

MONTHLY RATE

	Summer	winter
Distribution Service Charge Customer Charge Kilowatt-hour Charge	\$ 209.04 per month	\$ 209.04 per month
First 6000 kilowatt-hours Additional kilowatt-hours	\$ 0.01317 per kwhr \$ 0.01317 per kwhr	\$ 0.00993 per kwhr \$ 0.00993 per kwhr
Demand Charge	\$ 6.46 per kw	\$ 6.46 per kw

Generation and Transmission Service Charges – Customers who do not receive service from an alternative Electric Supplier as defined in the Company's General Terms and Conditions will receive Generation and Transmission Services from the Company under the provisions of Rider "SOS" – Standard Offer Service.

Billing Credit - A monthly billing credit in the amount of \$0.75 will be applied to the bill of each customer receiving a consolidated bill from an alternative supplier for services provided both by Pepco and by the alternative supplier.

Date Effective: Usage on and after

DC - GS 3A

Demand metering equipment will be installed and charges subsequent to the installation of this equipment will be computed under the demand billing provision when the customer's load is of such a magnitude and of such a nature as to indicate any of the following:

- 1. Monthly energy consumption in excess of 6,000 kilowatt-hours in two (2) consecutive winter billing months (November through May, inclusive).
- 2. Monthly energy consumption in excess of 7,500 kilowatt-hours for a single summer billing month (June through October, inclusive).
- 3. A monthly demand greater than or equal to twenty-five (25) kilowatts in a single month.

Demand accounts are reviewed annually. The account will be billed under non-demand billing provision when the consumption for each of the previous twelve (12) months is below 6,000 kilowatt-hours and the demand is less than twenty-five (25) kilowatts.

BILLING MONTHS

Summer – Billing months of June through October. **Winter** – Billing months of November through May.

BILLING DEMAND

The billing demand shall be the maximum thirty (30) minute demand recorded during the month.

METER READING

Watt-hour meters will be read to the nearest multiple of the meter constant and bills rendered accordingly.

GENERAL TERMS AND CONDITIONS

This schedule is subject in all respects to the Company's "General Terms and Conditions for Furnishing Electric Service" and the Company's "Electric Service Rules and Regulations."

APPLICABLE RIDERS

Standard Offer Service – Large Commercial Administrative Credit
Generation Procurement Credit
Power Factor
Delivery Tax
Public Space Occupancy Surcharge
Divestiture Sharing Credit – Non-Residential
Net Energy Metering Rider
Residential Aid Discount Surcharge Rider
Sustainable Energy Trust Fund
Energy Assistance Trust Fund
Bill Stabilization Adjustment
Underground Project Charge Rider
Community Net Metering Rider
Underground Rider

Date of Issue: July 3, 2017 Date Effective: Usage on and after

TEMPORARY SERVICE SCHEDULE "T"

AVAILABILITY

Available for either Standard Offer Service when modified by Rider "SOS" or Distribution Service in the District of Columbia portion of the Company's service area for low voltage electric service for construction or other commercial purposes furnished through service connection facilities of a temporary rather than a permanent nature, or for temporary electric service supplied for a limited time, such as for carnivals, festivals, etc.

However, customers receiving Temporary Service on a continuous basis for five (5) years will normally be transferred to the appropriate General Service Low Voltage Schedule "GS LV" or "GS ND" based on the customer's maximum demand, in accordance with the availability provisions therein. Rate schedule transfers will be made annually and become effective with the billing month of June.

CHARACTER OF SERVICE

The service supplied under this schedule will be alternating current, sixty hertz, at any of the approved classes of service.

MONTHLY RATE

Summer	Winter
\$ 23.39 per month	\$ 23.39 per month
\$ 0.06838 per kwhr	\$ 0.05566 per kwhr
	\$ 23.39 per month

Generation and Transmission Service Charges – Customers who do not receive service from an alternative Electric Supplier as defined in the Company's General Terms and Conditions will receive Generation and Transmission Services from the Company under the provisions of Rider "SOS" – Standard Offer Service.

Billing Credit - A monthly billing credit in the amount of \$0.75 will be applied to the bill of each customer receiving a consolidated bill from an alternative supplier for services provided both by Pepco and by the alternative supplier.

BILLING MONTHS

Summer – Billing months of June through October. **Winter** – Billing months of November through May.

METER READING

Watt-hour meters will be read to the nearest multiple of the meter constant and bills rendered accordingly.

GENERAL TERMS AND CONDITIONS

Date of Issue: July 3, 2017

This schedule is subject in all respects to the Company's "General Terms and Conditions for Furnishing Electric Service" and the Company's "Electric Service Rules and Regulations".

Date Effective: Usage on and after

Electricity--P.S.C. of D.C. No. 1 Tenth Revised Page No. R-7.1

DC - T

APPLICABLE RIDERS

Standard Offer Service - Small Commercial Administrative Credit Generation Procurement Credit Power Factor **Delivery Tax** Public Space Occupancy Surcharge Divestiture Sharing Credit - Non-Residential Residential Aid Discount Surcharge Rider Sustainable Energy Trust Fund Energy Assistance Trust Fund Underground Project Charge Rider Underground Rider

Date of Issue: July 3, 2017 Date Effective: Usage on and after

TIME METERED GENERAL SERVICE - LOW VOLTAGE SCHEDULE "GT LV"

AVAILABILITY

Shall be applicable for either Standard Offer Service when modified by Rider "SOS" or Distribution Service when modified by Rider "SOS" in the District of Columbia portion of the Company's service area to customers whose maximum thirty (30) minute demand equals or exceeds one hundred (100) kilowatts during two (2) or more billing months within twelve (12) consecutive billing months. New customers will be qualified for Schedule "GT LV" based on estimated load and energy consumption using the above criteria. Once a customer's account is established it will remain on Schedule "GT LV" even if the party responsible for the account should change. Removal from Schedule "GT LV" is based solely on the criteria stated in the following paragraph.

Any customer presently on Schedule "GT LV" whose maximum thirty (30) minute demand is less than eighty (80) kilowatts for twelve (12) consecutive billing months, may at the customer's option elect to continue service on this schedule or elect to be served under any other available schedule. If the customer elects to stay on Schedule "GT LV", the customer will remain on Schedule "GT LV" for at least twelve (12) billing months. Rate schedule transfers will be made annually and become effective with the billing month of June.

Available for low voltage electric service at sixty hertz.

Available for standby service when modified by Schedule "S".

Not available for temporary service.

Not available for multiple application to master-metered apartment buildings except for those master-metered apartments served under Schedule "GT LV" prior to December 31, 1982 which will continue to be served under Schedule "GT LV".

CHARACTER OF SERVICE

Date of Issue: July 3, 2017

The service supplied under this schedule normally will be alternating current, sixty hertz, either (i) single phase, three wire, 120/240 volts or 120/208 volts, or (ii) three phase, four wire, 120/208 volts or 265/460 volts.

MONTHLY RATE

	Summer	Winter
Distribution Service Charge Customer Charge	\$ 379.03 per month	\$ 379.03 per month
Kilowatt-hour Charge	\$ 0.00864 per kwhr	\$ 0.00864 per kwhr
Kilowatt Charge Maximum	\$ 9.25 per kw	\$ 9.25 per kw

Generation and Transmission Service Charges – Customers who do not receive service from an alternative Electric Supplier as defined in the Company's General Terms and Conditions will receive Generation and Transmission Services from the Company under the provisions of Rider "SOS" – Standard Offer Service.

Date Effective: Usage on and after

DC - GT LV

Billing Credit - A monthly billing credit in the amount of \$0.75 per bill will be applied to the bill of each customer receiving generation services from an alternative supplier for each month that the alternative supplier renders a bill to the customer on a consolidated basis for services provided both by Pepco and by the alternative supplier.

BILLING MONTHS

Summer – Billing months of June through October. **Winter** – Billing months of November through May.

BILLING DEMANDS

Maximum (All Months) - The billing demand shall be the maximum thirty (30) minute demand recorded during the billing month.

METER READING

Watt-hour meters will be read to the nearest multiple of the meter constant and bills rendered accordingly.

GENERAL TERMS AND CONDITIONS

This schedule is subject in all respects to the Company's "General Terms and Conditions for Furnishing Electric Service" and the Company's "Electric Service Rules and Regulations".

APPLICABLE RIDERS

Standard Offer Service - Large Commercial Administrative Credit Generation Procurement Credit Power Factor **Delivery Tax** Public Space Occupancy Surcharge **Excess Facilities** Divestiture Sharing Credit - Non-Residential Net Energy Metering Rider Reserved Delivery Capacity Service Residential Aid Discount Surcharge Rider Sustainable Energy Trust Fund **Energy Assistance Trust Fund** Bill Stabilization Adjustment Underground Project Charge Rider Community Net Metering Rider Underground Rider

Date of Issue: July 3, 2017

Date Effective: Usage on and after

TIME METERED GENERAL SERVICE - PRIMARY SERVICE SCHEDULE "GT 3A"

AVAILABILITY

Shall be applicable for either Standard Offer Service when modified by Rider "SOS" or Distribution Service in the District of Columbia portion of the Company's service area to customers whose maximum thirty (30) minute demand equals or exceeds one hundred (100) kilowatts during two (2) or more billing months within twelve (12) consecutive billing months. New customers will be qualified for Schedule "GT 3A" based on estimated load and energy consumption using the above criteria. Once a customer's account is established it will remain on Schedule "GT 3A" even if the party responsible for the account should change. Removal from Schedule "GT 3A" is based solely on the criteria stated in the following paragraph.

Any customer presently on Schedule "GT 3A" whose maximum thirty (30) minute demand is less than eighty (80) kilowatts for twelve (12) consecutive billing months, may at the customer's option elect to continue service on this schedule or elect to be served under any other available schedule. If the customer elects to stay on Schedule "GT 3A", the customer will remain on Schedule "GT 3A" for at least twelve (12) billing months. Rate schedule transfers will be made annually and become effective with the billing month of June.

Available for primary service furnished directly from the Company's electric system at voltages of 4.16 kV, 13.2 kV or 33 kV, when the customer provides at the customer's own expense, all necessary transformers, converting apparatus, switches, disconnectors, regulators and protective equipment.

Available for standby service when modified by Schedule "S".

Not available for temporary service.

Not available for multiple application to master-metered apartment buildings except for those master-metered apartments served under Schedule "GT 3A" prior to December 31, 1982 which will continue to be served under Schedule "GT 3A".

CHARACTER OF SERVICE

The service under this schedule, normally will be alternating current, sixty hertz, three phase, three wire, at 4.16kV, 13.2kV or 33kV. Primary nominal service voltage levels will be specified by the Company on the basis of its available facilities and the magnitude of the load to be served.

MONTHLY RATE

	Summer	Winter
Distribution Service Charge Customer Charge	\$ 152.63 per month	\$ 152.63 per month
Kilowatt-hour Charge	\$ 0.00483 per kwhr	\$ 0.00483 per kwhr
Kilowatt Charge Maximum	\$ 6.18 per kw	\$ 6.18 per kw

Generation and Transmission Service Charges – Customers who do not receive service from an alternative Electric Supplier as defined in the Company's General Terms and Conditions will receive Generation and Transmission Services from the Company under the provisions of Rider "SOS" – Standard Offer Service.

DC - GT 3A

Billing Credit - A monthly billing credit in the amount of \$0.75 per bill will be applied to the bill of each customer receiving generation services from an alternative supplier for each month that the alternative supplier renders a bill to the customer on a consolidated basis for services provided both by Pepco and by the alternative supplier.

BILLING MONTHS

Summer – Billing months of June through October. **Winter** – Billing months of November through May.

BILLING DEMANDS

Maximum (All Months) - The billing demand shall be the maximum thirty (30) minute demand recorded during the billing month.

METER READING

Watt-hour meters will be read to the nearest multiple of the meter constant and bills rendered accordingly.

GENERAL TERMS AND CONDITIONS

This schedule is subject in all respects to the Company's "General Terms and Conditions for Furnishing Electric Service" and the Company's "Electric Service Rules and Regulations".

APPLICABLE RIDERS

Standard Offer Service - Large Commercial Administrative Credit Generation Procurement Credit Power Factor **Delivery Tax** Public Space Occupancy Surcharge **Excess Facilities** Divestiture Sharing Credit - Non-Residential Net Energy Metering Rider Reserved Delivery Capacity Service Residential Aid Discount Surcharge Rider Sustainable Energy Trust Fund Energy Assistance Trust Fund Bill Stabilization Adjustment Underground Project Charge Rider Community Net Metering Rider Underground Rider

Date of Issue: July 3, 2017

Date Effective: Usage on and after

TIME METERED GENERAL SERVICE - HIGH VOLTAGE SERVICE SCHEDULE "GT 3B"

AVAILABILITY

Shall be applicable for either Standard Offer Service when modified by Rider "SOS" or Distribution Service in the District of Columbia portion of the Company's service area to customers whose maximum thirty (30) minute demand equals or exceeds one hundred (100) kilowatts during two (2) or more billing months within twelve (12) consecutive billing months. New customers will be qualified for Schedule "GT 3B" based on estimated load and energy consumption using the above criteria. Once a customer's account is established it will remain on Schedule "GT 3B" even if the party responsible for the account should change. Removal from Schedule "GT 3B" is based solely on the criteria stated in the following paragraph.

Any customer presently on Schedule "GT 3B" whose maximum thirty (30) minute demand is less than eighty (80) kilowatts for twelve (12) consecutive billing months, may at the customer's option elect to continue service on this schedule or elect to be served under any other available schedule. If the customer elects to stay on Schedule "GT 3B", the customer will remain on Schedule "GT 3B" for at least twelve (12) billing months. Rate schedule transfers will be made annually and become effective with the billing month of June.

Available for standby service when modified by Schedule "S".

Available for high voltage service furnished directly from the Company's electric system at voltages of 66 kV or above, when the customer provides at the customer's own expense, all necessary transformers, converting apparatus, switches, disconnectors, regulators and protective equipment.

Not available for temporary service.

Not available for multiple application to master-metered apartment buildings except for those mastermetered apartments served under Schedule "GT 3B" prior to December 31, 1982 which will continue to be served under Schedule "GT 3B".

CHARACTER OF SERVICE

The service under this schedule, normally will be 66kV or above. Primary nominal service voltage levels will be specified by the Company on the basis of its available facilities and the magnitude of the load to be served.

MONTHLY RATE

	Summer	Winter
Distribution Service Charge Customer Charge	\$ 1134.37 per month	\$ 1134.37 per month
Kilowatt-hour Charge	\$ 0.00000 per kwhr	\$ 0.00000 per kwhr
Kilowatt Charge Maximum	\$ 1.23 per kw	\$ 1.23 per kw

Date Effective: Usage on and after Date of Issue: July 3, 2017

DC - GT 3B

Generation and Transmission Service Charges – Customers who do not receive service from an alternative Electric Supplier as defined in the Company's General Terms and Conditions will receive Generation and Transmission Services from the Company under the provisions of Rider "SOS" – Standard Offer Service.

Billing Credit - A monthly billing credit in the amount of \$0.75 will be applied to the bill of each customer receiving a consolidated bill from an alternative supplier for services provided both by Pepco and by the alternative supplier.

BILLING MONTHS

Summer – Billing months of June through October. **Winter** – Billing months of November through May.

BILLING DEMANDS

<u>Maximum</u> (All Months) - The billing demand shall be the maximum thirty (30) minute demand recorded during the billing month.

METER READING

Watt-hour meters will be read to the nearest multiple of the meter constant and bills rendered accordingly.

GENERAL TERMS AND CONDITIONS

This schedule is subject in all respects to the Company's "General Terms and Conditions for Furnishing Electric Service" and the Company's "Electric Service Rules and Regulations".

APPLICABLE RIDERS

Standard Offer Service - Large Commercial Administrative Credit Generation Procurement Credit Power Factor **Delivery Tax** Public Space Occupancy Surcharge Excess Facilities Divestiture Sharing Credit - Non - Residential Net Energy Metering Rider. Reserved Delivery Capacity Service Residential Aid Discount Surcharge Rider Sustainable Energy Trust Fund **Energy Assistance Trust Fund** Bill Stabilization Adjustment Underground Project Charge Rider Community Net Metering Rider Underground Rider

Date of Issue: July 3, 2017

RAPID TRANSIT SERVICE SCHEDULE "RT"

AVAILABILITY

Available for either Standard Offer Service when modified by Rider "SOS" or Distribution Service in the District of Columbia portion of the Company's service area for rapid transit electric service furnished directly from the Company's distribution, subtransmission or transmission systems at available voltages of 13.2kV and higher where the customer provides, at the customer's own expense, all necessary transformers or converting apparatus, switches, disconnectors, regulators, and protective equipment.

Available only at points of delivery on contiguous authority right-of-way.

Also available for low voltage service for purposes of operating electric chiller plants used for the purpose of providing chilled water to passenger stations associated with the rapid transit service.

Not available for partial or auxiliary service.

CHARACTER OF SERVICE

The service supplied under this schedule normally will be alternating current, sixty hertz, three phase, three wire, high tension at 13.2kV or such voltage as is specified by the Company on the basis of its available facilities and the magnitude of load to be served.

MONTHLY RATE

11141 17771 66	Summer	Winter
Distribution Service Charge Customer Charge	\$ 5,592.49 per month	\$ 5,592.49 per month

Generation and Transmission Service Charges - Customers who do not receive service from an alternative Electric Supplier as defined in the Company's General Terms and Conditions will receive Generation and Transmission Services from the Company under the provisions of Rider "SOS" - Standard Offer Service.

Billing Credit - A monthly billing credit in the amount of \$0.75 will be applied to the bill of each customer receiving a consolidated bill from an alternative supplier for services provided both by Pepco and by the alternative supplier.

BILLING MONTHS

Summer - Billing months of June through October. Winter - Billing months of November through May.

BILLING DEMAND

Date of Issue: July 3, 2017

The monthly billing demand will be the maximum thirty (30) minute integrated coincident demand of all delivery points recorded during the billing month.

Date Effective: Usage on and after

Electricity--P.S.C. of D.C. No. 1 Eleventh Revised Page No. R-9.1

DC - RT

BILLING ENERGY

The monthly billing energy will be the sum of the registrations of kilowatt-hours of all delivery points.

METER READING

Watt-hour meters will be read to the nearest multiple of the meter constant and bills rendered accordingly.

GENERAL TERMS AND CONDITIONS

This schedule is subject in all respects to the Company's "General Terms and Conditions for Furnishing Electric Service" and the Company's "Electric Service Rules and Regulations", except as modified by the agreement by and between the Company and the customer.

APPLICABLE RIDERS

Standard Offer Service – Large Commercial Administrative Credit
Generation Procurement Credit
Delivery Tax
Public Space Occupancy Surcharge
Divestiture Sharing Credit – Non-Residential
Reserved Delivery Capacity Service
Residential Aid Discount Surcharge Rider
Sustainable Energy Trust Fund
Energy Assistance Trust Fund
Underground Project Charge Rider
Underground Rider

STREET LIGHTING SERVICE SCHEDULE "SL"

AVAILABILITY

Available for either Standard Offer Service when modified by Rider "SOS" or Distribution Service for street, highway and park lighting purposes in the District of Columbia portion of the Company's service area when owned by agencies of Federal and District of Columbia governments. Also available to governmental and non-governmental customers for holiday lighting and seasonal street decoration lighting where the lights are in public space and where the only load supplied is lighting load. Schedule "SL" is not available for services that supply any load other than lighting.

CHARACTER OF SERVICE

Electricity supplied to multiple lights normally will be sixty hertz, single phase, 120 volts.

MONTHLY RATE

Distribution Service Charge Customer Charge Metered Account Unmetered Account Per Lamp Charge

\$ 17.19 per month \$ 14.70 per month

\$ 0.55497 per lamp per month

The per lamp charge shall be adjusted for any Major Service Outages as defined in Section 3699 of Chapter 36, Electric Quality Service Standards in Title 15 of the District of Columbia Municipal Regulations.

Generation and Transmission Service Charges – Customers who do not receive service from an alternative Electric Supplier as defined in the Company's General Terms and Conditions will receive Generation and Transmission Services from the Company under the provisions of Rider "SOS" – Standard Offer Service.

Billing Credit - A monthly billing credit in the amount of \$0.75 will be applied to the bill of each customer receiving a consolidated bill from an alternative supplier for services provided both by Pepco and by the alternative supplier.

The charges under this schedule are for delivery only and do not include furnishing and/or maintaining street lighting equipment.

MEASUREMENTS OF ELECTRICITY

If electricity delivered for street lighting is unmetered, monthly kilowatt-hour consumption will be computed on the basis of manufacturers' wattage ratings of installed lamps, auxiliary devices where required, and scheduled 4,200 hours of burning time. If metered, watt-hour meters will be read to the nearest multiple of the meter constant and bills rendered accordingly.

Lights controlled for night burning only will be billed at the monthly rate for Standard Night Burning street lights. Lights not controlled for night burning only will be billed at the monthly rate for 24-Hour Burning street lights.

DC - SL

The kilowatt-hours calculated from billing wattages will be reduced by 5.5 percent each month to provide for normal outages.

GENERAL TERMS AND CONDITIONS

This schedule is subject in all respects to the Company's "General Terms and Conditions for Furnishing Electric Service" and the Company's "Electric Service Rules and Regulations". Holiday and decorative street lighting service connections will be considered temporary service connections as defined in the "Electric Service Rules and Regulations" and will be priced accordingly.

APPLICABLE RIDERS

Standard Offer Service – Small Commercial Administrative Credit
Generation Procurement Credit
Delivery Tax
Public Space Occupancy Surcharge
Divestiture Sharing Credit – Non-Residential
Residential Aid Discount Surcharge Rider
Sustainable Energy Trust Fund
Energy Assistance Trust Fund
Telecommunication Network Charge
Underground Project Charge Rider
Underground Rider

TRAFFIC SIGNAL SERVICE SCHEDULE "TS"

AVAILABILITY

Available for either Standard Offer Service when modified by Rider "SOS" or Distribution Service to agencies of the Federal and District of Columbia governments, for operation of traffic signals in the District of Columbia portion of the Company's service area.

CHARACTER OF SERVICE

Electricity supplied for traffic signal purposes normally will be sixty hertz, single phase, 120 volts.

MONTHLY RATE

Distribution Service Charge Customer Charge Per Lamp Charge

\$ 8.03 \$0.30291

The per lamp charge shall be adjusted for any Major Service Outages as defined in Section 3699 of Chapter 36, Electric Quality Service Standards in Title 15 of the District of Columbia Municipal Regulations.

Generation and Transmission Service Charges — Customers who do not receive service from an alternative Electric Supplier as defined in the Company's General Terms and Conditions will receive Generation and Transmission Services from the Company under the provisions of Rider "SOS" — Standard Offer Service.

Billing Credit - A monthly billing credit in the amount of \$0.75 will be applied to the bill of each customer receiving a consolidated bill from an alternative supplier for services provided both by Pepco and by the alternative supplier.

The charges under this schedule are for delivery only and do not include furnishing and/or maintaining traffic signal equipment.

MEASUREMENT OF ELECTRICITY

Electricity delivered to traffic signals is unmetered. Monthly kilowatt-hour consumption will be computed on the basis of manufacturers' wattage ratings of installed devices and estimated hours of burning time.

The kilowatt-hours calculated from billing wattages will be reduced by 1.5 percent each month to provide for normal outages.

GENERAL TERMS AND CONDITIONS

This schedule is subject in all respects to the Company's "General Terms and Conditions for Furnishing Electric Service" and the Company's "Electric Service Rules and Regulations".

APPLICABLE RIDERS

Standard Offer Service – Small Commercial Administrative Credit Generation Procurement Credit Delivery Tax

Public Space Occupancy Surcharge

Date of Issue: July 3, 2017

Date Effective: Usage on and after January 1, 2018

Electricity--P.S.C. of D.C. No. 1 Third Revised Page No. R-11.1

DC - TS

Divestiture Sharing Credit - Non-Residential Residential Aid Discount Surcharge Rider Sustainable Energy Trust Fund Energy Assistance Trust Fund Underground Project Charge Rider Underground Rider

Date of Issue: July 3, 2017

Date Effective: Usage on and after January 1, 2018

UNDERGROUND PROJECT CHARGE RIDER "UPC"

AVAILABILITY

The Distribution Charges billed under the Schedules "R", "AE", "R-TM", "GS ND", "GS LV", "GS 3A", "T", "GT LV", "GT 3A", "GT 3B", "RT", "SL", "TS", and "TN" shall be subject to the Underground Project Charge as specified in the terms of this Rider UPC. Customers who take service under "Rider RAD – Residential Aid Discount" shall not be subject to Rider UPC.

The Underground Project Charge is intended to recover costs associated with work performed by Pepco to place underground certain electric power lines in the District of Columbia to be used by Pepco to provide electric distribution service in the District of Columbia.

Amounts payable with respect to Rider UPC (including any true-up of such amounts as described in "Adjustment to Charge" below) will be shown on customer bills as a separate line item "Underground Charge, Pepco".

DETERMINATION OF CHARGE

The Underground Project Charge will be based on revenue requirements calculated using projected annual expenditures and other authorized items and adjustments as follows:

- 1. Return on capital expenditures placed into service during the period at the authorized rate of return.
- 2. Recovery of capital expenditures placed into service during the period through depreciation expense.
- 3. Incremental operating and maintenance expenses and other authorized costs and charges.
- 4. Reconciliation of the deferred balance on an annual basis. (See "Adjustment to Charge")

MONTHLY CHARGES AND RATES:

Rate Schedule	<u>January 1, 2018</u>	
R	\$0.00021	per kWh
AE	\$0.00016	per kWh
RTM	\$0.00064	per kWh
GS ND	\$0.00039	per kWh
Т	\$0.00039	per kWh
GS LV	\$0,00076	per kWh
GS 3A	\$0.00038	per kWh
GT LV	\$0.00047	per kWh
GT 3A	\$0.00028	per kWh
GT 3B	\$0.00003	per kWh
RT	\$0.00029	per kWh
SL/TS	\$0.00010	per kWh
TN	\$0.00023	per kWh

ADJUSTMENT TO CHARGE

The Company will file an update to the Underground Project Charge on or before April 1 of each year that Rider UPC is in effect. The update will include (1) forecasted expenditures for the calendar year in which the update is filed, and (2) a trueup of the UPC cost and collections for the prior calendar year. The true-up shall be difference between actual cost—for the prior calendar year (based on actual capital expenditures, plant closings and depreciation expense, incremental operating and other authorizing costs and charges) and actual booked Underground Project Charge revenue. The true-up will be added to (for under-collection), and deducted from (for over-collection), the forecasted revenue requirement for the upcoming year.

Date of Issue: July 3, 2017 Date Effective: January 1, 2018

DDOT UNDERGROUND ELECTRIC COMPANY INFRASTRUCTURE IMPROVEMENT CHARGE RECOVERY – UNDERGROUND RIDER

APPLICABILITY

The Distribution Charges billed under the Schedules "R", "AE", "R-TM", "GS ND", "GS LV", "GS 3A", "T", "GT LV", "GT 3A", "GT 3B", "RT", "SL", "TS", and "TN" shall be subject to the Underground Rider as specified in the terms of this Underground Rider. Customers who take service under "Rider RAD - Residential Aid Discount" shall not be subject to this Underground Rider.

The Underground Rider is intended to recover DDOT Underground Electric Company Infrastructure Improvement Charges imposed on Pepco to pay costs associated with work performed by the District Department of Transportation ("DDOT") to place underground certain electric power lines in the District of Columbia to be used by Pepco to provide electric distribution service in the District of Columbia.

Amounts payable with respect to the Underground Rider (including any true-up of such amounts as described in "Adjustment to Charge" below) will be included in the distribution energy charge on customer bills.

DETERMINATION OF CHARGE

Amounts payable with respect to the Underground Rider will be calculated based on the DDOT Underground Electric Company Infrastructure Improvement Charges imposed on Pepco in the applicable vear.

MONTHLY CHARGES AND RATES:

Rate Schedule	January 1, 2018	
R	\$0.00155	per kWh
AE	\$0.00124	per kWh
RTM	\$0.00481	per kWh
GS ND	\$0.00296	per kWh
T	\$0.00296	per kWh
GS LV	\$0.00568	per kWh
GS 3A	\$0.00288	per kWh
GT LV	\$0.00352	per kWh
GT 3A	\$0.00209	per kWh
GT 3B	\$0.00020	per kWh
RT	\$0,00218	per kWh
SL/TS	\$0.00078	per kWh
TN	\$0.00170	per kWh

ADJUSTMENT TO UNDERGROUND RIDER

The Company will file an update to true-up amounts collected with respect to the Underground Rider not more frequently than twice per calendar year. The true-up shall be the difference between DDOT Underground Electric Company Infrastructure Improvement Charges imposed on Pepco for the period for which the update is filed and actual amounts collected by Pepco through the Underground Rider for the corresponding period. The true-up will be added to (for under-collection) or deducted from (for over-collection) the revenue requirement for the applicable period and will be allocated to each distribution service customer class in the proportion to the customer classes' contribution to the under-collection or over-collection.

Date of Issue: July 3, 2017 Date Effective: January 1, 2018

REDLINE

RATE SCHEDULES

FOR

ELECTRIC SERVICE

IN THE

DISTRICT OF COLUMBIA



An Exelon Company

RATES AND REGULATORY PRACTICES GROUP

DC

TABLE OF CONTENTS

RATE SCHEDULES	
RESIDENTIAL SERVICE - SCHEDULE "R"	Page R-3 - 3.1
RESIDENTIAL ALL-ELECTRIC SERVICE - SCHEDULE "AE"	Page R-4 - 4.1
TIME METERED RESIDENTIAL SERVICE - SCHEDULE "R-TM"	Page R-5 - 5.1
TIME METERED RESIDENTIAL SERVICE - EXPERIMENTAL PROGRAM - SCHEDULE "R-TM-EX" (THIS SCHEDULE HAS BEEN DELETED)	Page R-5.2 -5.3
GENERAL SERVICE - NON DEMAND - SCHEDULE "GS ND"	Page R-6 - 6.1
GENERAL SERVICE - LOW VOLTAGE - SCHEDULE "GS LV"	Page R-6.2 - 6.3
GENERAL SERVICE - PRIMARY SERVICE - SCHEDULE "GS 3A"	Page R-6.4- 6.5
TEMPORARY OR SUPPLEMENTARY SERVICE - SCHEDULE "T"	Page R-7 - 7.1
TIME METERED GENERAL SERVICE - LOW VOLTAGE - SCHEDULE "GT LV"	Page R-8 - 8.1
TIME METERED GENERAL SERVICE - PRIMARY SERVICE - SCHEDULE "GT 3A"	Page R-8.2- 8.3
TIME METERED GENERAL SERVICE - HIGH VOLTAGE - SCHEDULE "GT 3B"	Page R-8.4- 8.5
RAPID TRANSIT SERVICE - SCHEDULE "RT"	Page R-9 - 9.1
STREET LIGHTING SERVICE - SCHEDULE "SL"	Page R-10 - 10.1
TRAFFIC SIGNAL SERVICE - SCHEDULE "TS"	Page R-11 - 11.1
SERVICING STREET LIGHTS SERVED FROM OVERHEAD LINES - SCHEDULE "SSL-OH"	Page R-12 - 12.1
SERVICING STREET LIGHTS SERVED FROM UNDERGROUND LINES - SCHEDULE "SSL-UG"	Page R-13 - 13.1
TELECOMMUNICATIONS NETWORK SERVICE - SCHEDULE "TN"	Page R-14 - 14.
COGENERATION AND SMALL POWER PRODUCTION INTERCONNECTION SERVICE SCHEDULE "CG-SPP"	CE - Page R-15 - 15 .4

DC

TABLE OF CONTENTS (CONTINUED)

STANDBY SERVICE - SCHEDULE "S"	Page R-16 - 16.1
COMMUNITY RENEWABLE ENERGY FACILITY - SCHEDULE "CREF"	Page R-17 – 17.2
RESERVED FOR FUTURE USE	Page R-18 - 24
RIDERS MARKET PRICE SERVICE - RIDER "MPS"	Page R-25
RELIABLE ENERGY TRUST FUND- RIDER "RETF"(THIS RIDER HAS BEEN DELETED)	Page R-26
EXPERIMENTAL RESIDENTIAL ELECTRIC VEHICLE SERVICE - RIDER "R-EV"(THIS RIDER HAS BEEN DELETED)	Page R-27
EXPERIMENTAL RESIDENTIAL TIME-OF-USE ELECTRIC VEHICLE SERVICE - RIDER "R-TM-EV" (THIS RIDER HAS BEEN DELETED)	Page R-28
RESIDENTIAL AID DISCOUNT - RIDER "RAD"	Page R-29
POWER FACTOR - RIDER "PF"	Page R-30
TELECOMMUNICATION NETWORK CHARGE - RIDER "SL-TN"	Page R-31
DELIVERY TAX - RIDER "DT"	Page R-32
PUBLIC SPACE OCCUPANCY SURCHARGE - RIDER "PSOS"	Page R-33
GENERATION PROCUREMENT CREDIT - RIDER "GPC"	Page R-34 - 34.1
FUEL ADJUSTMENT CHARGE - RIDER "FA" (THIS RIDER HAS BEEN DELETED)	Page R-35 - 35.1
ENVIRONMENTAL COST RECOVERY RIDER - RIDER "ECRR"(THIS RIDER HAS BEEN DELETED)	Page R-36 - 36.3
EXCESS FACILITIES - RIDER "EF"	Page R-37
OPTIONAL METER EQUIPMENT RELATED SERVICES - RIDER "OMRS"	Page R-38 - 38.1
DIVESTITURE SHARING CREDIT - RESIDENTIAL - RIDER "DS-R"	Page R-39
DIVESTITURE SHARING CREDIT- NON-RESIDENTIAL - RIDER "DS-NR"	Page R-40 - 40.1
STANDARD OFFER SERVICE - RIDER "SOS"	Page R-41 - 41.8
ADMINISTRATIVE CREDIT - RIDER "AC"	Page R-42

Date of Issue: March 9July 3, 2017

Date Effective: Usage on and after March-9, 2017 January 1, 2018

TABLE OF CONTENTS (CONTINUED)

RESERVED DELIVERY CAPACITY SERVICE - RIDER "RDCS"	Page R-43 – 43.1
RIDER "PCDC" – POWERCENTSDC™ PROJECT	Page R-44 44.6
NET ENERGY METERING RIDER – RIDER "NEM"	Page R-45 – 45.1
RESIDENTIAL AID DISCOUNT SURCHARGE RIDER - RIDER "RADS"	Page R-46
SUSTAINABLE ENERGY TRUST FUND – RIDER "SETF"	Page R-47
ENERGY ASSISTANCE TRUST FUND – RIDER "EATF"	Page R-48
BILL STABILIZATION ADJUSTMENT – RIDER "BSA"	Page R-49
RESIDENTIAL DIRECT LOAD CONTROL - RIDER "R-DLC"	Page R-50
UNDERGROUND PROJECT CHARGE RIDER "UPC"	Page R-51
COMMUNITY NET METERING – RIDER "CNM"	Page R-52 - 52.1
UNDERGROUND RIDER	Page R-53

RESIDENTIAL SERVICE SCHEDULE "R"

AVAILABILITY

Available for either Standard Offer Service when modified by Rider "SOS" or Distribution Service in the District of Columbia portion of the Company's service area for low voltage electric service where the use is primarily for residential purposes and for farm operations where the electricity for both farm and residential purposes is delivered through the same meter.

Available only in individual residences and in individually metered dwelling units in multi-family buildings.

Available for multiple application to master-metered apartment buildings where the use is predominantly residential and not for retail business establishments. Not available for separately metered service billed on Schedules "GS ND", "GS LV", "GS 3A", "GT LV", "GT 3A", or "GT 3B" that did not qualify for multiple application of the residential rate as of December 31, 1982.

Not available for residential premises in which five (5) or more rooms are for hire.

Not available for seasonal loads metered separately from lighting and other usage in the same occupancy.

Not available for temporary, auxiliary or emergency service.

CHARACTER OF SERVICE

The service supplied under this schedule normally will be alternating current, sixty hertz, single phase, three wire, 120/240 volts, or three wire, 120/208 volts.

MONTHLY RATE

HEI RAIL	Summer	Winter
Distribution Service Charge Customer Charge – Residential Customer Charge - Master Metered Apartments	\$ 13.00 per month \$ 10.25 per month	\$ 13.00 per month \$ 10.25 per month
Kilowatt-hour Charge First 400 kilowatt-hours In excess of 400 kilowatt hours	\$ 0.00759 per kwhr \$ 0.02166 per kwhr	\$ 0.00759 per kwhr \$ 0.01512 per kwhr

Generation and Transmission Service Charges – Customers who do not receive service from an alternative Electric Supplier as defined in the Company's General Terms and Conditions will receive Generation and Transmission Service from the Company under the provisions of Rider "SOS" – Standard Offer Service.

Billing Credit - A monthly billing credit in the amount of \$0.62 will be applied to the bill of each customer receiving a consolidated bill from an alternative supplier for services provided both by Pepco and by the alternative supplier.

BILLING MONTHS

Summer – Billing months of June through October. Winter – Billing months of November through May.

Date of Issue: May 26, 2016 July 3, 2017 Date Effective: Usage on and after

DC-R

METER READING

Watt-hour meters will be read to the nearest multiple of the meter constant and bills rendered accordingly.

GENERAL TERMS AND CONDITIONS

This schedule is subject in all respects to the Company's "General Terms and Conditions for Furnishing Electric Service" and the Company's "Electric Service Rules and Regulations."

APPLICABLE RIDERS

Standard Offer Service - Residential Administrative Credit Generation Procurement Credit **Delivery Tax** Public Space Occupancy Surcharge Residential Aid Discount Optional Meter Equipment Related Services Divestiture Sharing Credit – Residential POWERCENTSDC™ Project Rider Net Energy Metering Rider Residential Aid Discount Surcharge Rider Sustainable Energy Trust Fund Energy Assistance Trust Fund **Bill Stabilization Adjustment** Underground Project Charge Rider Community Net Metering Rider **Underground Rider**

RESIDENTIAL ALL-ELECTRIC SERVICE SCHEDULE "AE"

AVAILABILITY

Available for either Standard Offer Service when modified by Rider "SOS" or Distribution Service in the District of Columbia portion of the Company's service area for low voltage electric service where electricity is the sole source of energy for space heating or the primary source with the application of an add-on heat pump or solar space heating system supplemented by electric space heating servicing the entire conditioned space.

Available only in individual residences and in individually metered dwelling units in multi-family buildings.

Available for multiple application to master-metered apartments where the use is predominantly residential and not for retail establishments. Not available for separately metered service billed on Schedules "GS ND", "GS LV", "GS 3A", "GT LV", "GT 3A" and "GT 3B" that did not qualify for multiple application of the residential rate as of December 31, 1982.

Not available for residential premises in which five (5) or more rooms are for hire.

Not available for seasonal loads metered separately from lighting and other usage in the same occupancy.

Not available for temporary, auxiliary or emergency service.

CHARACTER OF SERVICE

The service supplied under this schedule normally will be alternating current, sixty hertz, single phase, three wire, 120/240 volts, or three wire, 120/208 volts.

MONTH! Y RATE

MONTHS! NATE	Summer	Winter
Distribution Service Charge Customer Charge – Residential Customer Charge - Master Metered Apartments	\$ 13.00 per month \$ 10.25 per month	\$ 13.00 per month \$ 10.25 per month
Kilowatt-hour Charge First 400 kilowatt-hours In excess of 400 kilowatt-hours	\$ 0.00824 per kwhr \$ 0.02398 per kwhr	\$ 0.00824 per kwhr \$ 0.01341 per kwhr

Generation and Transmission Service Charges – Customers who do not receive service from an alternative Electric Supplier as defined in the Company's General Terms and Conditions will receive Generation and Transmission Service from the Company under the provisions of Rider "SOS" – Standard Offer Service.

Billing Credit - A monthly billing credit in the amount of \$0.62 will be applied to the bill of each customer receiving a consolidated bill from an alternative supplier for services provided both by Pepco and by the alternative supplier.

BILLING MONTHS

Summer – Billing months of June through October. **Winter** – Billing months of November through May.

Date of Issue: May 26, 2016 July 3, 2017 Date Effective: Usage on and after

DC - AE

METER READING

Watt-hour meters will be read to the nearest multiple of the meter constant and bills rendered accordingly.

GENERAL TERMS AND CONDITIONS

This schedule is subject in all respects to the Company's "General Terms and Conditions for Furnishing Electric Service" and the Company's "Electric Service Rules and Regulations."

APPLICABLE RIDERS

Standard Offer Service - Residential Administrative Credit Generation Procurement Credit Delivery Tax Public Space Occupancy Surcharge Residential Aid Discount Optional Meter Equipment Related Services Divestiture Sharing Credit - Residential POWERCENTSDC™ Project Rider Net Energy Metering Rider Residential Aid Discount Surcharge Rider Sustainable Energy Trust Fund **Energy Assistance Trust Fund** Bill Stabilization Adjustment Underground Project Charge Rider Community Net Metering Rider Underground Rider

TIME METERED RESIDENTIAL SERVICE SCHEDULE "R-TM"

AVAILABILITY

Shall be applicable for either Standard Offer Service when modified by Rider "SOS" or Distribution Service in the District of Columbia portion of the Company's service area to approximately the eight hundred (800) largest residential customers who have participated in the residential time-of-use rates program and who are served under Schedule "R-TM". Any customer presently on Schedule "R-TM" whose energy consumption is less than 2,500 kilowatt-hours for each of the five (5) summer billing months in a calendar year may at the customer's option elect to continue service under this schedule or be served under any other applicable schedule. If the customer elects to stay on Schedule "R-TM", the customer will remain on Schedule "R-TM" for at least twelve (12) billing months. Rate schedule changes will be made annually and become effective with the billing month of June.

Available only for low voltage electric service where the use is primarily for residential purposes and for farm operations where the electricity for both farm and residential purposes is delivered through the same meter.

Available only in individual residences and in individually metered dwelling units in multi-family buildings.

Not available for multiple application to master-metered apartment buildings where the use is predominantly residential.

Not available for residential premises in which five (5) or more rooms are for hire.

Not available for seasonal loads metered separately from lighting and other usage in the same occupancy.

Not available for temporary, auxiliary or emergency service.

Not available for customers certified as eligible to be billed under Rider "RAD".

CHARACTER OF SERVICE

The service supplied under this schedule normally will be alternating current, sixty hertz, single phase, three wire, 120/240 volts, or three wire, 120/208 volts.

MONTHLY RATE

	Summer	Winter
Distribution Service Charge		
Customer Charge	\$ 17.52 per month	\$ 17.52 per month
Kilowatt-hour Charge	\$ 0.04299 per kwhr	\$ 0.04299 per kwhr

Generation and Transmission Service Charges – Customers who do not receive service from an alternative Electric Supplier as defined in the Company's General Terms and Conditions will receive Generation and Transmission Services from the Company under the provisions of Rider "SOS" – Standard Offer Service.

Billing Credit - A monthly billing credit in the amount of \$0.62 will be applied to the bill of each customer receiving a consolidated bill from an alternative supplier for services provided both by Pepco and by the alternative supplier.

Date of Issue: May 26, 2016 July 3, 2017

Date Effective: Usage on and after June 1, 2016 January

DC - R - TM

Electricity--P.S.C. of D.C. No. 1

Thirteenth-Fourteenth Revised Page No. R-5.1

BILLING MONTHS

Summer – Billing months of June through October. Winter – Billing months of November through May.

METER READING

Watt-hour meters will be read to the nearest multiple of the meter constant and bills rendered accordingly.

GENERAL TERMS AND CONDITIONS

This schedule is subject in all respects to the Company's "General Terms and Conditions for Furnishing Electric Service" and the Company's "Electric Service Rules and Regulations."

APPLICABLE RIDERS

Standard Offer Service - Residential
Administrative Credit
Generation Procurement Credit
Delivery Tax
Public Space Occupancy Surcharge
Optional Meter Equipment Related Services
Divestiture Sharing Credit - Residential
Net Energy Metering Rider
Residential Aid Discount Surcharge Rider
Sustainable Energy Trust Fund
Energy Assistance Trust Fund
Bill Stabilization Adjustment
Underground Project Charge Rider
Community Net Metering Rider
Underground Rider

Date Effective: Usage on and after June 1, 2016 January

GENERAL SERVICE – NON DEMAND SCHEDULE "GS ND"

AVAILABILITY

Available for either Standard Offer Service when modified by Rider "SOS" or Distribution Service in the District of Columbia portion of the Company's service area for "GS LV" customers whose maximum monthly demand is less than 25 kW. Customers whose maximum demand is between 25 kW and 99 kW will be served on Schedule GS LV or GS 3A subject to the provisions stated therein. Customers whose maximum demand is equal to or in excess of one hundred (100) kilowatts during two (2) or more billing months within twelve (12) consecutive billing months will be transferred to Schedule "GT LV", "GT 3A", or "GT 3B" in accordance with the availability provisions therein. Rate schedule transfers will be made annually and become effective with the billing month of June.

Available for low voltage electric service at sixty hertz and for primary service furnished directly from the Company's electric system at voltages of 4.16 kV, 13.2 kV, or 33 kV, when the customer provides at the customer's own expense, all necessary transformers, converting apparatus, switches, disconnects, regulators and protective equipment.

Not available for railway propulsion service.

Not available for secondary temporary service or supplementary loads metered separately from lighting and other usage in the same occupancy.

CHARACTER OF SERVICE

The service supplied under this schedule normally will be alternating current, sixty hertz, either (i) single phase, three wire, 120/240 volts or 120/208 volts, or (ii) three phase, four wire, 120/208 volts or 265/460 volts for GS Low Voltage Non Demand customers. For GS 3A Non Demand customers, the service under this schedule, normally will be alternating current, sixty hertz, three phase, three wire, at 4.16kV, 13.2kV or 33 kV. Primary nominal service voltage levels will be specified by the Company on the basis of its available facilities and the magnitude of the load to be served.

MONTHLY RATE		Summer	Winter
	GS LOW VOLTAGE NON DEMAND	Summer	vviiitei
	Distribution Service Charge		
	Customer Charge	\$ 23.39 per month	\$ 23.39 per month
	Kilowatt-hour Charge		
	All kilowatt-hours	\$ 0.03530 per kwhr	\$ 0.02926 per kwhr

Generation and Transmission Service Charges – Customers who do not receive service from an alternative Electric Supplier as defined in the Company's General Terms and Conditions will receive Generation and Transmission Services from the Company under the provisions of Rider "SOS" – Standard Offer Service.

Date of Issue: May 26, 2016 July 3, 2017 Date Effective: Usage on and after

DC - GS ND

Billing Credit - A monthly billing credit in the amount of \$0.75 will be applied to the bill of each customer receiving a consolidated bill from an alternative supplier for services provided both by Pepco and by the alternative supplier.

BILLING MONTHS

Summer – Billing months of June through October. Winter – Billing months of November through May.

Demand metering equipment will be installed and charges subsequent to the installation of this equipment will be computed under the billing demand provision when the customer's load is of such a magnitude and of such a nature as to indicate any of the following:

- 1. Monthly energy consumption in excess of 6,000 kilowatt-hours in two (2) consecutive winter billing months (November through May, inclusive).
- 2. Monthly energy consumption in excess of 7,500 kilowatt-hours for a single summer billing month (June through October, inclusive).
- 3. A monthly demand greater than or equal to twenty-five (25) kilowatts in a single month.

Demand accounts are reviewed annually. The account will be billed under non-demand billing provision when the consumption for each of the previous twelve (12) months is below 6,000 kilowatt-hours and the demand is less than twenty-five (25) kilowatts.

BILLING DEMAND

The billing demand shall be the maximum thirty (30) minute demand recorded during the month.

METER READING

Watt-hour meters will be read to the nearest multiple of the meter constant and bills rendered accordingly.

GENERAL TERMS AND CONDITIONS

This schedule is subject in all respects to the Company's "General Terms and Conditions for Furnishing Electric Service" and the Company's "Electric Service Rules and Regulations."

APPLICABLE RIDERS

Standard Offer Service – Small Commercial Administrative Credit Generation Procurement Credit Power Factor Delivery Tax Public Space Occupancy Surcharge Divestiture Sharing Credit – Non-Residential Net Energy Metering Rider Residential Aid Discount Surcharge Rider Sustainable Energy Trust Fund Energy Assistance Trust Fund Bill Stabilization Adjustment Underground Project Charge Rider Community Net Metering Rider Underground Rider

Date of Issue: May 26, 2016 July 3, 2017

Date Effective: Usage on and after

GENERAL SERVICE - LOW VOLTAGE SCHEDULE "GS LV"

AVAILABILITY

Available for either Standard Offer Service when modified by Rider "SOS" or Distribution Service in the District of Columbia portion of the Company's service area, except if the customer's maximum demand is equal to or in excess of one hundred (100) kilowatts during two (2) or more billing months within twelve (12) consecutive billing months, the customer will be transferred to Schedule "GT LV", "GT 3A", or "GT 3B" in accordance with the availability provisions therein. Rate schedule transfers will be made annually and become effective with the billing month of June. Customers with monthly maximum demands less than 25 kW are served on Schedule "GS ND" subject to the provisions stated therein.

Available for low voltage electric service at sixty hertz.

Not available for railway propulsion service.

Not available for secondary temporary service or supplementary loads metered separately from lighting and other usage in the same occupancy.

CHARACTER OF SERVICE

The service supplied under this schedule normally will be alternating current, sixty hertz, either (i) single phase, three wire, 120/240 volts or 120/208 volts, or (ii) three phase, four wire, 120/208 volts or 265/460 volts.

MONTHLY RATE

	Summer	Winter
Distribution Service Charge Customer Charge	\$ 27.11 per month	\$ 27.11 per month
Kilowatt-hour Charge First 6,000 kilowatt-hours Additional kilowatt-hours	\$ 0.04535 per kwhr \$ 0.04535 per kwhr	\$ 0.03602 per kwhr \$ 0.03602 per kwhr
Demand Charge	\$ 4.53 per kw	\$ 4.53 per kw

Generation and Transmission Service Charges – Customers who do not receive service from an alternative Electric Supplier as defined in the Company's General Terms and Conditions will receive Generation and Transmission Services from the Company under the provisions of Rider "SOS" – Standard Offer Service.

Date of Issue: May 26, 2016 July 3, 2017

Date Effective: Usage on and after

DC - GS LV

Billing Credit - A monthly billing credit in the amount of \$0.75 will be applied to the bill of each customer receiving a consolidated bill from an alternative supplier for services provided both by Pepco and by the alternative supplier.

BILLING MONTHS

Summer – Billing months of June through October. **Winter** – Billing months of November through May.

Demand metering equipment will be installed and charges subsequent to the installation of this equipment will be computed under the billing demand provision when the customer's load is of such a magnitude and of such a nature as to indicate any of the following:

- 1. Monthly energy consumption in excess of 6,000 kilowatt-hours in two (2) consecutive winter billing months (November through May, inclusive).
- 2. Monthly energy consumption in excess of 7,500 kilowatt-hours for a single summer billing month (June through October, inclusive).
- 3. A monthly demand greater than or equal to twenty-five (25) kilowatts in a single month.

Demand accounts are reviewed annually. The account will be billed under non-demand billing provision when the consumption for each of the previous twelve (12) months is below 6,000 kilowatt-hours and the demand is less than twenty-five (25) kilowatts.

BILLING DEMAND

The billing demand shall be the maximum thirty (30) minute demand recorded during the month.

METER READING

Watt-hour meters will be read to the nearest multiple of the meter constant and bills rendered accordingly.

GENERAL TERMS AND CONDITIONS

This schedule is subject in all respects to the Company's "General Terms and Conditions for Furnishing Electric Service" and the Company's "Electric Service Rules and Regulations."

APPLICABLE RIDERS

Standard Offer Service – Large Commercial Administrative Credit
Generation Procurement Credit
Power Factor
Delivery Tax
Public Space Occupancy Surcharge
Divestiture Sharing Credit – Non-Residential
Net Energy Metering Rider
Residential Aid Discount Surcharge Rider
Sustainable Energy Trust Fund
Energy Assistance Trust Fund
Bill Stabilization Adjustment
Underground Project Charge Rider
Community Net Metering Rider
Underground Rider

Date of Issue: May 26, 2016 July 3, 2017

Date Effective: Usage on and after June 1, 2016 January

GENERAL SERVICE - PRIMARY SERVICE SCHEDULE "GS 3A"

AVAILABILITY

Available for either Standard Offer Service when modified by Rider "SOS", or Distribution Service in the District of Columbia portion of the Company's service area, except if the customer's maximum demand is equal to or in excess of one hundred (100) kilowatts during two (2) or more billing months within twelve (12) consecutive billing months, the customer will be transferred to Schedule "GT LV", "GT 3A", or "GT 3B" in accordance with the availability provisions therein. Rate schedule transfers will be made annually and become effective with the billing month of June. Customers with monthly maximum demands less than 25 kW are served on Schedule "GS ND" subject to the provisions stated therein.

Available for primary service furnished directly from the Company's electric system at voltages of 4.16 kV, 13.2 kV or 33 kV, when the customer provides at the customer's own expense, all necessary transformers, converting apparatus, switches, disconnects, regulators and protective equipment.

Not available for railway propulsion service.

Not available for secondary temporary service or supplementary loads metered separately from lighting and other usage in the same occupancy.

CHARACTER OF SERVICE

The service under this schedule, normally will be alternating current, sixty hertz, three phase, three wire, at 4.16kV, 13.2kV or 33kV. Primary nominal service voltage levels will be specified by the Company on the basis of its available facilities and the magnitude of the load to be served.

MONTHLY RATE

	Summer	vvinter
Distribution Service Charge Customer Charge	\$ 209.04 per month	\$ 209.04 per month
Kilowatt-hour Charge First 6000 kilowatt-hours Additional kilowatt-hours	\$ 0.01317 per kwhr \$ 0.01317 per kwhr	\$ 0.00993 per kwhr \$ 0.00993 per kwhr
Demand Charge	\$ 6.46 per kw	\$ 6.46 per kw

Generation and Transmission Service Charges – Customers who do not receive service from an alternative Electric Supplier as defined in the Company's General Terms and Conditions will receive Generation and Transmission Services from the Company under the provisions of Rider "SOS" – Standard Offer Service.

Billing Credit - A monthly billing credit in the amount of \$0.75 will be applied to the bill of each customer receiving a consolidated bill from an alternative supplier for services provided both by Pepco and by the alternative supplier.

Date of Issue: May 26, 2016 July 3, 2017

Date Effective: Usage on and after

June 1, 2016 January

Minton

DC - GS 3A

Demand metering equipment will be installed and charges subsequent to the installation of this equipment will be computed under the demand billing provision when the customer's load is of such a magnitude and of such a nature as to indicate any of the following:

- Monthly energy consumption in excess of 6,000 kilowatt-hours in two (2) consecutive winter 1. billing months (November through May, inclusive).
- Monthly energy consumption in excess of 7,500 kilowatt-hours for a single summer billing month 2. (June through October, inclusive).
- A monthly demand greater than or equal to twenty-five (25) kilowatts in a single month. 3.

Demand accounts are reviewed annually. The account will be billed under non-demand billing provision when the consumption for each of the previous twelve (12) months is below 6,000 kilowatt-hours and the demand is less than twenty-five (25) kilowatts.

BILLING MONTHS

Summer - Billing months of June through October. Winter - Billing months of November through May.

BILLING DEMAND

The billing demand shall be the maximum thirty (30) minute demand recorded during the month.

METER READING

Watt-hour meters will be read to the nearest multiple of the meter constant and bills rendered accordingly.

GENERAL TERMS AND CONDITIONS

This schedule is subject in all respects to the Company's "General Terms and Conditions for Furnishing Electric Service" and the Company's "Electric Service Rules and Regulations."

APPLICABLE RIDERS

Standard Offer Service - Large Commercial Administrative Credit Generation Procurement Credit Power Factor **Delivery Tax** Public Space Occupancy Surcharge Divestiture Sharing Credit - Non-Residential Net Energy Metering Rider Residential Aid Discount Surcharge Rider Sustainable Energy Trust Fund Energy Assistance Trust Fund Bill Stabilization Adjustment Underground Project Charge Rider Community Net Metering Rider Underground Rider

Date Effective: Usage on and after

1. 2018

Date of Issue: May 26, 2016 July 3, 2017

. . . .

TEMPORARY SERVICE SCHEDULE "T"

AVAILABILITY

Available for either Standard Offer Service when modified by Rider "SOS" or Distribution Service in the District of Columbia portion of the Company's service area for low voltage electric service for construction or other commercial purposes furnished through service connection facilities of a temporary rather than a permanent nature, or for temporary electric service supplied for a limited time, such as for carnivals, festivals, etc.

However, customers receiving Temporary Service on a continuous basis for five (5) years will normally be transferred to the appropriate General Service Low Voltage Schedule "GS LV" or "GS ND" based on the customer's maximum demand, in accordance with the availability provisions therein. Rate schedule transfers will be made annually and become effective with the billing month of June.

CHARACTER OF SERVICE

The service supplied under this schedule will be alternating current, sixty hertz, at any of the approved classes of service.

MONTHLY RATE

	Summer	Winter
Distribution Service Charge		
Customer Charge	\$ 23.39 per month	\$ 23.39 per month
Kilowatt-hour Charge	\$ 0.06838 per kwhr	\$ 0.05566 per kwhr

Generation and Transmission Service Charges – Customers who do not receive service from an alternative Electric Supplier as defined in the Company's General Terms and Conditions will receive Generation and Transmission Services from the Company under the provisions of Rider "SOS" – Standard Offer Service.

Billing Credit - A monthly billing credit in the amount of \$0.75 will be applied to the bill of each customer receiving a consolidated bill from an alternative supplier for services provided both by Pepco and by the alternative supplier.

BILLING MONTHS

Summer – Billing months of June through October. **Winter** – Billing months of November through May.

METER READING

Watt-hour meters will be read to the nearest multiple of the meter constant and bills rendered accordingly.

GENERAL TERMS AND CONDITIONS

This schedule is subject in all respects to the Company's "General Terms and Conditions for Furnishing Electric Service" and the Company's "Electric Service Rules and Regulations".

Date of Issue: May 26, 2016 July 3, 2017 Date Effective: Usage on and after June 1, 2016 January

1, 2018

Electricity--P.S.C. of D.C. No. 1 Ninth-Tenth Revised Page No. R-7.1

DC - T

APPLICABLE RIDERS

Standard Offer Service – Small Commercial Administrative Credit
Generation Procurement Credit
Power Factor
Delivery Tax
Public Space Occupancy Surcharge
Divestiture Sharing Credit – Non-Residential
Residential Aid Discount Surcharge Rider
Sustainable Energy Trust Fund
Energy Assistance Trust Fund
Underground Project Charge Rider
Underground Rider

TIME METERED GENERAL SERVICE - LOW VOLTAGE SCHEDULE "GT LV"

AVAILABILITY

Shall be applicable for either Standard Offer Service when modified by Rider "SOS" or Distribution Service when modified by Rider "SOS" in the District of Columbia portion of the Company's service area to customers whose maximum thirty (30) minute demand equals or exceeds one hundred (100) kilowatts during two (2) or more billing months within twelve (12) consecutive billing months. New customers will be qualified for Schedule "GT LV" based on estimated load and energy consumption using the above criteria. Once a customer's account is established it will remain on Schedule "GT LV" even if the party responsible for the account should change. Removal from Schedule "GT LV" is based solely on the criteria stated in the following paragraph.

Any customer presently on Schedule "GT LV" whose maximum thirty (30) minute demand is less than eighty (80) kilowatts for twelve (12) consecutive billing months, may at the customer's option elect to continue service on this schedule or elect to be served under any other available schedule. If the customer elects to stay on Schedule "GT LV", the customer will remain on Schedule "GT LV" for at least twelve (12) billing months. Rate schedule transfers will be made annually and become effective with the billing month of June.

Available for low voltage electric service at sixty hertz.

Available for standby service when modified by Schedule "S".

Not available for temporary service.

Not available for multiple application to master-metered apartment buildings except for those master-metered apartments served under Schedule "GT LV" prior to December 31, 1982 which will continue to be served under Schedule "GT LV".

CHARACTER OF SERVICE

The service supplied under this schedule normally will be alternating current, sixty hertz, either (i) single phase, three wire, 120/240 volts or 120/208 volts, or (ii) three phase, four wire, 120/208 volts or 265/460 volts

MONTHLY RATE

	Summer	Winter
Distribution Service Charge Customer Charge	\$ 379.03 per month	\$ 379.03 per month
Kilowatt-hour Charge	\$ 0.00864 per kwhr	\$ 0.00864 per kwhr
Kilowatt Charge Maximum	\$ 9.25 per kw	\$ 9.25 per kw

Generation and Transmission Service Charges – Customers who do not receive service from an alternative Electric Supplier as defined in the Company's General Terms and Conditions will receive Generation and Transmission Services from the Company under the provisions of Rider "SOS" – Standard Offer Service.

Date of Issue: May 26, 2016 July 3, 2017

Date Effective: Usage on and after

DC - GT LV

Electricity--P.S.C. of D.C. No. 1

Thirteenth-Fourteenth Revised Page No. R-8.1

Billing Credit - A monthly billing credit in the amount of \$0.75 per bill will be applied to the bill of each customer receiving generation services from an alternative supplier for each month that the alternative supplier renders a bill to the customer on a consolidated basis for services provided both by Pepco and by the alternative supplier.

BILLING MONTHS

Summer – Billing months of June through October. **Winter** – Billing months of November through May.

BILLING DEMANDS

Maximum (All Months) - The billing demand shall be the maximum thirty (30) minute demand recorded during the billing month.

METER READING

Watt-hour meters will be read to the nearest multiple of the meter constant and bills rendered accordingly.

GENERAL TERMS AND CONDITIONS

This schedule is subject in all respects to the Company's "General Terms and Conditions for Furnishing Electric Service" and the Company's "Electric Service Rules and Regulations".

APPLICABLE RIDERS

Standard Offer Service - Large Commercial Administrative Credit Generation Procurement Credit Power Factor **Delivery Tax** Public Space Occupancy Surcharge **Excess Facilities** Divestiture Sharing Credit - Non-Residential Net Energy Metering Rider Reserved Delivery Capacity Service Residential Aid Discount Surcharge Rider Sustainable Energy Trust Fund **Energy Assistance Trust Fund** Bill Stabilization Adjustment Underground Project Charge Rider Community Net Metering Rider Underground Rider

Date of Issue: May 26, 2016 July 3, 2017 Date Effective: Usage on and after

TIME METERED GENERAL SERVICE - PRIMARY SERVICE SCHEDULE "GT 3A"

AVAILABILITY

Shall be applicable for either Standard Offer Service when modified by Rider "SOS" or Distribution Service in the District of Columbia portion of the Company's service area to customers whose maximum thirty (30) minute demand equals or exceeds one hundred (100) kilowatts during two (2) or more billing months within twelve (12) consecutive billing months. New customers will be qualified for Schedule "GT 3A" based on estimated load and energy consumption using the above criteria. Once a customer's account is established it will remain on Schedule "GT 3A" even if the party responsible for the account should change. Removal from Schedule "GT 3A" is based solely on the criteria stated in the following paragraph.

Any customer presently on Schedule "GT 3A" whose maximum thirty (30) minute demand is less than eighty (80) kilowatts for twelve (12) consecutive billing months, may at the customer's option elect to continue service on this schedule or elect to be served under any other available schedule. If the customer elects to stay on Schedule "GT 3A", the customer will remain on Schedule "GT 3A" for at least twelve (12) billing months. Rate schedule transfers will be made annually and become effective with the billing month of June.

Available for primary service furnished directly from the Company's electric system at voltages of 4.16 kV, 13.2 kV or 33 kV, when the customer provides at the customer's own expense, all necessary transformers, converting apparatus, switches, disconnectors, regulators and protective equipment.

Available for standby service when modified by Schedule "S".

Not available for temporary service.

Not available for multiple application to master-metered apartment buildings except for those master-metered apartments served under Schedule "GT 3A" prior to December 31, 1982 which will continue to be served under Schedule "GT 3A".

CHARACTER OF SERVICE

The service under this schedule, normally will be alternating current, sixty hertz, three phase, three wire, at 4.16kV, 13.2kV or 33kV. Primary nominal service voltage levels will be specified by the Company on the basis of its available facilities and the magnitude of the load to be served.

MONTHLY RATE

	Summer	Winter				
Distribution Service Charge Customer Charge	\$ 152.63 per month	\$ 152.63 per month				
Kilowatt-hour Charge	\$ 0.00483 per kwhr	\$ 0.00483 per kwhi				
Kilowatt Charge Maximum	\$ 6.18 per kw	\$ 6.18 per kw				

Generation and Transmission Service Charges – Customers who do not receive service from an alternative Electric Supplier as defined in the Company's General Terms and Conditions will receive Generation and Transmission Services from the Company under the provisions of Rider "SOS" – Standard Offer Service.

Date of Issue: May 26, 2016 July 3, 2017 Date Effective: Usage on and after

June 1, 2016 January

DC - GT 3A

Billing Credit - A monthly billing credit in the amount of \$0.75 per bill will be applied to the bill of each customer receiving generation services from an alternative supplier for each month that the alternative supplier renders a bill to the customer on a consolidated basis for services provided both by Pepco and by the alternative supplier.

BILLING MONTHS

Summer – Billing months of June through October. **Winter** – Billing months of November through May.

BILLING DEMANDS

Maximum (All Months) - The billing demand shall be the maximum thirty (30) minute demand recorded during the billing month.

METER READING

Watt-hour meters will be read to the nearest multiple of the meter constant and bills rendered accordingly.

GENERAL TERMS AND CONDITIONS

This schedule is subject in all respects to the Company's "General Terms and Conditions for Furnishing Electric Service" and the Company's "Electric Service Rules and Regulations".

APPLICABLE RIDERS

Standard Offer Service - Large Commercial Administrative Credit Generation Procurement Credit Power Factor **Delivery Tax** Public Space Occupancy Surcharge **Excess Facilities** Divestiture Sharing Credit - Non-Residential Net Energy Metering Rider Reserved Delivery Capacity Service Residential Aid Discount Surcharge Rider Sustainable Energy Trust Fund Energy Assistance Trust Fund Bill Stabilization Adjustment Underground Project Charge Rider Community Net Metering Rider Underground Rider

> Date Effective: Usage on and after June 1, 2016January

Ω

Date of Issue: May 26, 2016 July 3, 2017

TIME METERED GENERAL SERVICE - HIGH VOLTAGE SERVICE SCHEDULE "GT 3B"

AVAILABILITY

Shall be applicable for either Standard Offer Service when modified by Rider "SOS" or Distribution Service in the District of Columbia portion of the Company's service area to customers whose maximum thirty (30) minute demand equals or exceeds one hundred (100) kilowatts during two (2) or more billing months within twelve (12) consecutive billing months. New customers will be qualified for Schedule "GT 3B" based on estimated load and energy consumption using the above criteria. Once a customer's account is established it will remain on Schedule "GT 3B" even if the party responsible for the account should change. Removal from Schedule "GT 3B" is based solely on the criteria stated in the following paragraph.

Any customer presently on Schedule "GT 3B" whose maximum thirty (30) minute demand is less than eighty (80) kilowatts for twelve (12) consecutive billing months, may at the customer's option elect to continue service on this schedule or elect to be served under any other available schedule. If the customer elects to stay on Schedule "GT 3B", the customer will remain on Schedule "GT 3B" for at least twelve (12) billing months. Rate schedule transfers will be made annually and become effective with the billing month of June.

Available for standby service when modified by Schedule "S".

Available for high voltage service furnished directly from the Company's electric system at voltages of 66 kV or above, when the customer provides at the customer's own expense, all necessary transformers, converting apparatus, switches, disconnectors, regulators and protective equipment.

Not available for temporary service.

Not available for multiple application to master-metered apartment buildings except for those master-metered apartments served under Schedule "GT 3B" prior to December 31, 1982 which will continue to be served under Schedule "GT 3B".

CHARACTER OF SERVICE

The service under this schedule, normally will be 66kV or above. Primary nominal service voltage levels will be specified by the Company on the basis of its available facilities and the magnitude of the load to be served.

MONTHLY RATE

	Summer	Winter			
Distribution Service Charge Customer Charge	\$ 1134.37 per month	\$ 1134.37 per month			
Kilowatt-hour Charge	\$ 0.00000 per kwhr	\$ 0.00000 per kwhr			
Kilowatt Charge Maximum	\$ 1.23 per kw	\$ 1.23 per kw			

Date of Issue: May 26, 2016 July 3, 2017

Date Effective: Usage on and after

June 1, 2016 January

DC - GT 3B

Generation and Transmission Service Charges – Customers who do not receive service from an alternative Electric Supplier as defined in the Company's General Terms and Conditions will receive Generation and Transmission Services from the Company under the provisions of Rider "SOS" – Standard Offer Service.

Billing Credit - A monthly billing credit in the amount of \$0.75 will be applied to the bill of each customer receiving a consolidated bill from an alternative supplier for services provided both by Pepco and by the alternative supplier.

BILLING MONTHS

Summer – Billing months of June through October. **Winter** – Billing months of November through May.

BILLING DEMANDS

<u>Maximum</u> (All Months) - The billing demand shall be the maximum thirty (30) minute demand recorded during the billing month.

METER READING

Watt-hour meters will be read to the nearest multiple of the meter constant and bills rendered accordingly.

GENERAL TERMS AND CONDITIONS

This schedule is subject in all respects to the Company's "General Terms and Conditions for Furnishing Electric Service" and the Company's "Electric Service Rules and Regulations".

APPLICABLE RIDERS

Standard Offer Service - Large Commercial Administrative Credit Generation Procurement Credit Power Factor **Delivery Tax** Public Space Occupancy Surcharge **Excess Facilities** Divestiture Sharing Credit - Non - Residential Net Energy Metering Rider. Reserved Delivery Capacity Service Residential Aid Discount Surcharge Rider Sustainable Energy Trust Fund **Energy Assistance Trust Fund** Bill Stabilization Adjustment Underground Project Charge Rider Community Net Metering Rider Underground Rider

Date of Issue: May 26, 2016 July 3, 2017

Date Effective: Usage on and after June 1, 2016 January

RAPID TRANSIT SERVICE SCHEDULE "RT"

AVAILABILITY

Available for either Standard Offer Service when modified by Rider "SOS" or Distribution Service in the District of Columbia portion of the Company's service area for rapid transit electric service furnished directly from the Company's distribution, subtransmission or transmission systems at available voltages of 13.2kV and higher where the customer provides, at the customer's own expense, all necessary transformers or converting apparatus, switches, disconnectors, regulators, and protective equipment.

Available only at points of delivery on contiguous authority right-of-way.

Also available for low voltage service for purposes of operating electric chiller plants used for the purpose of providing chilled water to passenger stations associated with the rapid transit service.

Not available for partial or auxiliary service.

CHARACTER OF SERVICE

The service supplied under this schedule normally will be alternating current, sixty hertz, three phase, three wire, high tension at 13.2kV or such voltage as is specified by the Company on the basis of its available facilities and the magnitude of load to be served.

MONTHLY RATE

	Summer	Winter
Distribution Service Charge Customer Charge	\$ 5,592.49 per month	\$ 5,592.49 per month

Generation and Transmission Service Charges – Customers who do not receive service from an alternative Electric Supplier as defined in the Company's General Terms and Conditions will receive Generation and Transmission Services from the Company under the provisions of Rider "SOS" – Standard Offer Service.

Billing Credit - A monthly billing credit in the amount of \$0.75 will be applied to the bill of each customer receiving a consolidated bill from an alternative supplier for services provided both by Pepco and by the alternative supplier.

BILLING MONTHS

Summer – Billing months of June through October. Winter – Billing months of November through May.

BILLING DEMAND

The monthly billing demand will be the maximum thirty (30) minute integrated coincident demand of all delivery points recorded during the billing month.

Date of Issue: December 1, 2014 July 3, 2017 Date Effective: Usage on and after January 1, 2015

Electricity--P.S.C. of D.C. No. 1 Tenth-Eleventh Revised Page No. R-9.1

DC - RT

BILLING ENERGY

The monthly billing energy will be the sum of the registrations of kilowatt-hours of all delivery points.

METER READING

Watt-hour meters will be read to the nearest multiple of the meter constant and bills rendered accordingly.

GENERAL TERMS AND CONDITIONS

This schedule is subject in all respects to the Company's "General Terms and Conditions for Furnishing Electric Service" and the Company's "Electric Service Rules and Regulations", except as modified by the agreement by and between the Company and the customer.

APPLICABLE RIDERS

Standard Offer Service - Large Commercial Administrative Credit Generation Procurement Credit **Delivery Tax** Public Space Occupancy Surcharge Divestiture Sharing Credit - Non-Residential Reserved Delivery Capacity Service Residential Aid Discount Surcharge Rider Sustainable Energy Trust Fund **Energy Assistance Trust Fund** Underground Project Charge Rider Underground Rider

Date of Issue: December 1, 2014 July 3, 2017

Date Effective: Usage on and after

January 1, 2015

2018

STREET LIGHTING SERVICE SCHEDULE "SL"

AVAILABILITY

Available for either Standard Offer Service when modified by Rider "SOS" or Distribution Service for street, highway and park lighting purposes in the District of Columbia portion of the Company's service area when owned by agencies of Federal and District of Columbia governments. Also available to governmental and non-governmental customers for holiday lighting and seasonal street decoration lighting where the lights are in public space and where the only load supplied is lighting load. Schedule "SL" is not available for services that supply any load other than lighting.

CHARACTER OF SERVICE

Electricity supplied to multiple lights normally will be sixty hertz, single phase, 120 volts.

MONTHLY RATE

Distribution Service Charge Customer Charge Metered Account Unmetered Account Per Lamp Charge

\$ 17.19 per month

\$ 14.70 per month

\$ 0.55497 per lamp per month

The per lamp charge shall be adjusted for any Major Service Outages as defined in Section 3699 of Chapter 36, Electric Quality Service Standards in Title 15 of the District of Columbia Municipal Regulations.

Generation and Transmission Service Charges – Customers who do not receive service from an alternative Electric Supplier as defined in the Company's General Terms and Conditions will receive Generation and Transmission Services from the Company under the provisions of Rider "SOS" – Standard Offer Service.

Billing Credit - A monthly billing credit in the amount of \$0.75 will be applied to the bill of each customer receiving a consolidated bill from an alternative supplier for services provided both by Pepco and by the alternative supplier.

The charges under this schedule are for delivery only and do not include furnishing and/or maintaining street lighting equipment.

MEASUREMENTS OF ELECTRICITY

If electricity delivered for street lighting is unmetered, monthly kilowatt-hour consumption will be computed on the basis of manufacturers' wattage ratings of installed lamps, auxiliary devices where required, and scheduled 4,200 hours of burning time. If metered, watt-hour meters will be read to the nearest multiple of the meter constant and bills rendered accordingly.

Lights controlled for night burning only will be billed at the monthly rate for Standard Night Burning street lights. Lights not controlled for night burning only will be billed at the monthly rate for 24-Hour Burning street lights.

Date of Issue: December 1, 2014 July 3, 2017 Date Effective: Usage on and after January 1, 2015

2018

DC - SL

The kilowatt-hours calculated from billing wattages will be reduced by 5.5 percent each month to provide for normal outages.

GENERAL TERMS AND CONDITIONS

This schedule is subject in all respects to the Company's "General Terms and Conditions for Furnishing Electric Service" and the Company's "Electric Service Rules and Regulations". Holiday and decorative street lighting service connections will be considered temporary service connections as defined in the "Electric Service Rules and Regulations" and will be priced accordingly.

APPLICABLE RIDERS

Standard Offer Service – Small Commercial Administrative Credit
Generation Procurement Credit
Delivery Tax
Public Space Occupancy Surcharge
Divestiture Sharing Credit – Non-Residential
Residential Aid Discount Surcharge Rider
Sustainable Energy Trust Fund
Energy Assistance Trust Fund
Telecommunication Network Charge
Underground Project Charge Rider
Underground Rider

Date of Issue: December 1, 2014 July 3, 2017

Date Effective: Usage on and after January 1, 2015

TRAFFIC SIGNAL SERVICE SCHEDULE "TS"

AVAILABILITY

Available for either Standard Offer Service when modified by Rider "SOS" or Distribution Service to agencies of the Federal and District of Columbia governments, for operation of traffic signals in the District of Columbia portion of the Company's service area.

CHARACTER OF SERVICE

Electricity supplied for traffic signal purposes normally will be sixty hertz, single phase, 120 volts.

MONTHLY RATE

Distribution Service Charge Customer Charge Per Lamp Charge

\$ 8.03 \$0.30291

The per lamp charge shall be adjusted for any Major Service Outages as defined in Section 3699 of Chapter 36, Electric Quality Service Standards in Title 15 of the District of Columbia Municipal Regulations.

Generation and Transmission Service Charges – Customers who do not receive service from an alternative Electric Supplier as defined in the Company's General Terms and Conditions will receive Generation and Transmission Services from the Company under the provisions of Rider "SOS" – Standard Offer Service.

Billing Credit - A monthly billing credit in the amount of \$0.75 will be applied to the bill of each customer receiving a consolidated bill from an alternative supplier for services provided both by Pepco and by the alternative supplier.

The charges under this schedule are for delivery only and do not include furnishing and/or maintaining traffic signal equipment.

MEASUREMENT OF ELECTRICITY

Electricity delivered to traffic signals is unmetered. Monthly kilowatt-hour consumption will be computed on the basis of manufacturers' wattage ratings of installed devices and estimated hours of burning time.

The kilowatt-hours calculated from billing wattages will be reduced by 1.5 percent each month to provide for normal outages.

GENERAL TERMS AND CONDITIONS

This schedule is subject in all respects to the Company's "General Terms and Conditions for Furnishing Electric Service" and the Company's "Electric Service Rules and Regulations".

APPLICABLE RIDERS

Standard Offer Service – Small Commercial Administrative Credit Generation Procurement Credit Delivery Tax

Public Space Occupancy Surcharge

Date of Issue: December 1, 2014 July 3, 2017

Date Effective: Usage on and after

January 1, 2015

2018

Electricity--P.S.C. of D.C. No. 1
Second-Third Revised Page No. R-11.1

DC -TS

Divestiture Sharing Credit – Non-Residential Residential Aid Discount Surcharge Rider Sustainable Energy Trust Fund Energy Assistance Trust Fund Underground Project Charge Rider Underground Rider

Date of Issue: December 1, 2014 July 3, 2017 Date Effective: Usage on and after January 1, 2015

UNDERGROUND PROJECT CHARGE RIDER "UPC"

AVAILABILITY

The Distribution Charges billed under the Schedules "R", "AE", "R-TM", "GS ND", "GS LV", "GS 3A", "T", "GT LV", "GT 3A", "GT 3B", "RT", "SL", "TS", and "TN" shall be subject to the Underground Project Charge as specified in the terms of this Rider UPC, as authorized by the Electric Company-Infrastructure Improvement-Financing-Act-of-2014. Customers who take service under "Rider RAD – Residential Aid Discount" shall not be subject to Rider UPC.

The Underground Project Charge is intended to recover costs associated with work performed by Pepco to place underground the undergrounding of certain electric power lines in the District of Columbia to be used by Pepco to provide electric distribution service in the District of Columbia.

The Underground-Project Charge will-be presented on customer bills as Amounts payable with respect to Rider UPC (including any true-up of such amounts as described in "Adjustment to Charge" below) will be shown on customer bills as a separate line item "Underground Charge, Pepco".

Initial billing of the Underground Project Charge may begin on or after the effective date-noted below (January 1, 2015), provided, however, that the Company shall provide written notice to the Commission no less than 14 days prior to commencement of the actual billing of the Underground Project Charge.

DETERMINATION OF CHARGE

The Underground Project Charge will be based on revenue requirements calculated using projected annual expenditures and other. The revenue requirement will include the following authorized items and adjustments as follows:

- 1. Return on capital expenditures placed into service during the period at the authorized rate of return.
- 2. Recovery of capital expenditures placed into service during the period through depreciation expense.
- 3. Incremental operating and maintenance expenses and other authorized costs and charges.
- 4. Reconciliation of the deferred balance on an annual basis. (See "Adjustment to Charge")

MONTHLY CHARGES AND RATES:

Rate Schedule	January 1, 20152018	
R	\$0.0002300021	per kWh
AE	\$0.00023 <u>00016</u>	per kWh
RTM	\$0.00069 <u>00064</u>	per kWh
GS ND	\$0.00058 <u>00039</u>	per kWh
T	\$0.0005800039	per kWh
GS LV	\$0.00088 <u>00076</u>	per kWh
GS 3A	\$0.00044 <u>00038</u>	per kWh
GT LV	\$0.00054 <u>00047</u>	per kWh
GT 3A	\$0.00030 <u>00028</u>	per kWh
GT 3B	\$0.00003	per kWh
RT	\$0.00033 <u>00029</u>	per kWh
SL/TS	\$0.00042 <u>00010</u>	per kWh
TN	\$0.0002600023	per kWh

ADJUSTMENT TO CHARGE

The Company will file an update to the Underground Project Charge on or before April 1 of each year that the charge Rider UPC is in effect. The update will include (1) forecasted expenditures for the calendar year in which the update is filed.,—and In-addition it-will-include (2) a true-up of the UPC cost and collections for the prior calendar year. The true—up_shall be is the difference between the—actual cost revenue—requirement_ for the prior calendar year (based on actual capital expenditures, plant closings and depreciation expense, incremental operating and other authorizing costs and charges) and actual booked Underground Project Charge revenue. The true_up will be added to (for under-collection), and deducted from (for over-collection), the forecasted revenue requirement for the upcoming year.

DDOT UNDERGROUND ELECTRIC COMPANY INFRASTRUCTURE IMPROVEMENT CHARGE RECOVERY - UNDERGROUND RIDER

APPLICABILITY

The Distribution Charges billed under the Schedules "R", "AE", "R-TM", "GS ND", "GS LV", "GS 3A", "T", "GT LV", "GT 3A", "GT 3B", "RT", "SL", "TS", and "TN" shall be subject to the Underground Rider as specified in the terms of this Underground Rider. Customers who take service under "Rider RAD - Residential Aid Discount" shall not be subject to this Underground Rider.

The Underground Rider is intended to recover DDOT Underground Electric Company Infrastructure Improvement Charges imposed on Pepco to pay costs associated with work performed by the District Department of Transportation ("DDOT") to place underground certain electric power lines in the District of Columbia to be used by Pepco to provide electric distribution service in the District of Columbia.

Amounts payable with respect to the Underground Rider (including any true-up of such amounts as described in "Adjustment to Charge" below) will be included in the distribution energy charge on customer bills.

DETERMINATION OF CHARGE

Amounts payable with respect to the Underground Rider will be calculated based on the DDOT Underground Electric Company Infrastructure Improvement Charges imposed on Pepco in the applicable year.

MONTHLY CHARGES AND RATES:

Rate Schedule	January 1, 2018	
R	<u>\$0.00155</u>	per kWh
AE	\$0.00124	per kWh
RTM	\$0.00481	per kWh
GS ND	\$0.00296	per kWh
T	\$0.00296	per kWh
GS LV	\$0.00568	per kWh
GS 3A	\$0.00288	per kWh
GT LV	\$0,00352	per kWh
GT 3A	\$0.00209	per kWh
GT 3B	\$0.00020	per kWh
RT	\$0.00218	per kWh
SL/TS	\$0.00078	per kWh
TN	\$0.00170	per kWh

ADJUSTMENT TO UNDERGROUND RIDER

The Company will file an update to true-up amounts collected with respect to the Underground Rider not more frequently than twice per calendar year. The true-up shall be the difference between DDOT Underground Electric Company Infrastructure Improvement Charges imposed on Pepco for the period for which the update is filed and actual amounts collected by Pepco through the Underground Rider for the corresponding period. The true-up will be added to (for under-collection) or deducted from (for over-collection) the revenue requirement for the applicable period and will be allocated to each distribution service customer class in the proportion to the customer classes' contribution to the under-collection or over-collection.

Date of Issue: July 3, 2017 Date Effective: January 1, 2018

J. F. JANOCHA Direct Exhibit DC P.S.C. -- July, 2017

Introduced as: PEPCO _____ (C) - 4

POTOMAC ELECTRIC POWER COMPANY
BILL IMPACT OF UNDERGROUND PROJECT CHARGE - YEAR 1
SCHEDULE "R"
DISTRICT OF COLUMBIA

DISTRIC	LOE COLOMBIA	A												
	PR	ESENT SCH	IEDULE R		F	PROPOSED	SCHEDULE F	₹			INCRE			
KWH	\$ AMOUNT	OF BILL	\$/K	WH	\$ AMOUN	T OF BILL	\$/K\	WH	(\$)	(\$)	(%)	(%)	(\$)	(%)
	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	ANNUAL	ANNUAL
0	15.21	15.40	1.0	-	15.21	15.40	-	-	0.00	0.00	0.00%	0.00%	0.00	0.00%
10	15.39	15.58	1.53900	1.55800	15.39	15.58	1.53900	1.55800	0.00	0.00	0.00%	0.00%	0.00	0.00%
20	15.57	15.76	0.77850	0.78800	15.57	15.76	0.77850	0.78800	0.00	0.00	0.00%	0.00%	0.00	0.00%
30	15.75	15.94	0.52500	0.53133	15.75	15.94	0.52500	0.53133	0.00	0.00	0.00%	0.00%	0.00	0.00%
40	16.75	16.94	0.41875	0.42350	16.76	16.95	0.41900	0.42375	0.01	0.01	0.06%	0.06%	0.01	0.06%
50	17.76	17.95	0.35520	0.35900	17.77	17.96	0.35540	0.35920	0.01	0.01	0.06%	0.06%	0.01	0.06%
100	22.78	22.97	0.22780	0.22970	22.80	22.99	0.22800	0.22990	0.02	0.02	0.09%	0.09%	0.02	0.09%
200	32.82	33.01	0.16410	0.16505	32.86	33.05	0.16430	0.16525	0.04	0.04	0.12%	0.12%	0.04	0.12%
300	42.86	43.05	0.14287	0.14350	42.93	43.12	0.14310	0.14373	0.07	0.07	0.16%	0.16%	0.07	0.16%
400	52.91	53.10	0.13228	0.13275	52.99	53.18	0.13248	0.13295	0.08	0.08	0.15%	0.15%	80.0	0.15%
500	64.36	63.89	0.12872	0.12778	64.46	64.00	0.12892	0.12800	0.10	0.11	0.16%	0.17%	0.11	0.17%
600	75.81	74.69	0.12635	0.12448	75.93	74.82	0.12655	0.12470	0.12	0.13	0.16%	0.17%	0.13	0.17%
700	87.26	85.49	0.12466	0.12213	87.41	85.63	0.12487	0.12233	0.15	0.14	0.17%	0.16%	0.14	0.17%
750	92.98	90.88	0.12397	0.12117	93.14	91.04	0.12419	0.12139	0.16	0.16	0.17%	0.18%	0.16	0.17%
800	98.71	96.28	0.12339	0.12035	98.88	96.45	0.12360	0.12056	0.17	0.17	0.17%	0.18%	0.17	0.17%
850	104.43	101.68	0.12286	0.11962	104.61	101.86	0.12307	0.11984	0.18	0.18	0.17%	0.18%	0.18	0.18%
900	110.16	107.08	0.12240	0.11898	110.35	107.27	0.12261	0.11919	0.19	0.19	0.17%	0.18%	0.19	0.18%
950	115.88	112.48	0.12198	0.11840	116.08	112.68	0.12219	0.11861	0.20	0.20	0.17%	0.18%	0.20	0.18%
1,000	121.61	117.88	0.12161	0.11788	121.82	118.09	0.12182	0.11809	0.21	0.21	0.17%	0.18%	0.21	0.18%
1,250	150.24	144.87	0.12019	0.11590	150.50	145.13	0.12040	0.11610	0.26	0.26	0.17%	0.18%	0.26	0.18%
1,500	178.86	171.86	0.11924	0.11457	179.18	172.17	0.11945	0.11478	0.32	0.31	0.18%	0.18%	0.31	0.18%
1,750	207.49	198.85	0.11857	0.11363	207.86	199.22	0.11878	0.11384	0.37	0.37	0.18%	0.19%	0.37	0.18%
2,000	236.11	225.84	0.11806	0.11292	236.53	226.26	0.11827	0.11313	0.42	0.42	0.18%	0.19%	0.42	0.18%
2,250	264.74	252.83	0.11766	0.11237	265.21	253.30	0.11787	0.11258	0.47	0.47	0.18%	0.19%	0.47	0.18%
2,500	293.37	279.82	0.11735	0.11193	293.89	280.35	0.11756	0.11214	0.52	0.53	0.18%	0.19%	0.53	0.18%
3,000	350.62	333.80	0.11687	0.11127	351.25	334.43	0.11708	0.11148	0.63	0.63	0.18%	0.19%	0.63	0.18%
3,500	407.87	387.79	0.11653	0.11080	408.61	388.52	0.11675	0.11101	0.74	0.73	0.18%	0.19%	0.73	0.19%
4,000	465.12	441.77	0.11628	0.11044	465.96	442.61	0.11649	0.11065	0.84	0.84	0.18%	0.19%	0.84	0.19%
5,000	579.63	549.73	0.11593	0.10995	580.68	550.78	0.11614	0.11016	1.05	1.05	0.18%	0.19%	1.05	0.19%

		PRES	SENT	PROPOSED				
BLOCK * Custome	BLOCK Customer &	SUMMER	WINTER	SUMMER	WINTER			
	Minimum							
	Charges	15.44	15.63	15.44	15.63			
	Next 370 kWl	0.09014	0.09014	0.09014	0.09014			
	Excess kWh	0.10421	0.09767	0.10421	0.09767			
	Surcharges	0.01030	0.01030	0.01051	0.01051			

^{*} Includes Distribution Customer Charge, Generation Minimum Charge and Transmission Minimum Charg (Distribution Customer Charge includes the first 30 kWh of consumption at the initial block of volumetric rate)

POTOMAC ELECTRIC POWER COMPANY **BILL IMPACT OF UNDERGROUND PROJECT CHARGE - YEAR 1** SCHEDULE "AE"

DISTRICT OF COLUMBIA

DIOTRIO	PR		HEDULE AE		P	ROPOSED S	SCHEDULE A	Æ	INCREASE					
KWH	\$ AMOUN		\$/KV		\$ AMOUN		\$/K\		(\$)	(\$)	(%)	(%)	(\$)	(%)
IXVVII	SUMMER		SUMMER		SUMMER		SUMMER		SUMMER	WINTER	SUMMER		ANNUAL	• •
	COMMEN	VVIIVIER	OOMMILIC	VVIIVIEIX	COMMEN	VVIIVIEIV	COMMILIT	· · · · · · · · · · · · · · · · · · ·	COMMITTE	*****	COMMEN	*****	7 11 11 107 12	7 11 11 10 7 12
0	15.18	15.33	-	-	15.18	15.33	-	-	0.00	0.00	0.00%	0.00%	0.00	0.00%
10	15.34	15.49	1.53400	1.54900	15.34	15.49	1.53400	1.54900	0.00	0.00	0.00%	0.00%	0.00	0.00%
20	15.51	15.66	0.77550	0.78300	15.51	15.66	0.77550	0.78300	0.00	0.00	0.00%	0.00%	0.00	0.00%
30	15.67	15.82	0.52233	0.52733	15.67	15.82	0.52233	0.52733	0.00	0.00	0.00%	0.00%	0.00	0.00%
40	16.56	16.76	0.41400	0.41900	16.57	16.77	0.41425	0.41925	0.01	0.01	0.06%	0.06%	0.01	0.06%
50	17.45	17.71	0.34900	0.35420	17.46	17.72	0.34920	0.35440	0.01	0.01	0.06%	0.06%	0.01	0.06%
100	21.92	22.43	0.21920	0.22430	21.93	22.44	0.21930	0.22440	0.01	0.01	0.05%	0.04%	0.01	0.05%
200	30.84	31.87	0.15420	0.15935	30.87	31.90	0.15435	0.15950	0.03	0.03	0.10%	0.09%	0.03	0.10%
300	39.76	41.31	0.13253	0.13770	39.81	41.36	0:13270	0.13787	0.05	0.05	0.13%	0.12%	0.05	0.12%
400	48.68	50.75	0.12170	0.12688	48.75	50.82	0.12188	0.12705	0.07	0.07	0.14%	0.14%	0.07	0.14%
500	59.18	60.71	0.11836	0.12142	59.26	60.79	0.11852	0.12158	0.08	0.08	0.14%	0.13%	0.08	0.13%
600	69.67	70.67	0.11612	0.11778	69.77	70.76	0.11628	0.11793	0.10	0.09	0.14%	0.13%	0.09	0.13%
700	80.17	80.63	0.11453		80.28	80.74	0.11469	0.11534	0.11	0.11	0.14%	0.14%	0.11	0.14%
750	85.42	85.60		0.11413	85.54	85.72	0.11405	0.11429	0.12	0.12	0.14%	0.14%	0.12	0.14%
800	90.67	90.58		0.11323	90.79	90.71	0.11349	0.11339	0.12	0.13	0.13%	0.14%	0.13	0.14%
850	95.91	95.56		0.11242	96.05	95.70	0.11300	0.11259	0.14	0.14	0.15%	0.15%	0.14	0.15%
900	101.16	100.54		0.11171	101.31	100.69	0.11257	0.11188	0.15	0.15	0.15%	0.15%	0.15	0.15%
950	106.41	105.52	0.11201	0.11107	106.56	105.67	0.11217	0.11123	0.15	0.15	0.14%	0.14%	0.15	0.14%
											0.4404	0.440/	0.40	0.4404
1,000	111.66	110.50		0.11050	111.82	110.66	0.11182	0.11066	0.16	0.16	0.14%	0.14%	0.16	0.14%
1,250	137.90	135.39		0.10831	138.10	135.59	0.11048	0.10847	0.20	0.20	0.15%	0.15%	0.20	0.15%
1,500	164.14	160.29		0.10686	164.38	160.53	0.10959	0.10702	0.24	0.24	0.15%	0.15%	0.24	0.15%
1,750	190.38	185.18		0.10582	190.66	185.46	0.10895	0.10598	0.28	0.28	0.15%	0.15%	0.28	0.15%
2,000	216.62	210.08		0.10504	216.94	210.40	0.10847	0.10520	0.32	0.32	0.15%	0.15%	0.32	0.15%
2,250	242.86	234.97	0.10794	0.10443	243.22	235.33	0.10810	0.10459	0.36	0.36	0.15%	0.15%	0.36	0.15%
2 500	260.10	250.97	0.10764	0.10395	269.50	260.27	0.10780	0.10411	0.40	0.40	0.15%	0.15%	0.40	0.15%
2,500	269.10 321.58	259.87 309.66		0.10395	322.06	310.14	0.10780	0.10411	0.40	0.40	0.15%	0.15%	0.40	0.15%
3,000	374.06			0.10322	374.62	360.01	0.10733	0.10336	0.46	0.46	0.15%	0.16%	0.46	0.15%
3,500		359.45 409.24		0.10270	427.18	409.88	0.10703	0.10266	0.56	0.56	0.15%	0.16%	0.64	0.15%
4,000	426.54	508.82		0.10231	532.29	509.62	0.10680	0.10247	0.80	0.80	0.15%	0.16%	0.80	0.15%
5,000	531.49	508.82	0.10630	0.10176	532.29	209.62	0.10646	0.10192	0.60	0.60	0.15%	0.16%	0.80	0.15%

	PRES	SENT	PROPOSED				
BLOCK	SUMMER	WINTER	SUMMER	WINTER			
* Customer &							
Minimum							
Charges	15.43	15.58	15.43	15.58			
Next 370 kWh	0.08112	0.08631	0.08112	0.08631			
Excess kWh	0.09686	0.09148	0.09686	0.09148			
Surcharges	0.00810	0.00810	0.00826	0.00826			

^{*} Includes Distribution Customer Charge, Generation Minimum Charge and Transmission Minimum Charge (Distribution Customer Charge includes the first 30 kWh of consumption at the initial block of volumetric rate)

POTOMAC ELECTRIC POWER COMPANY **BILL IMPACT OF UNDERGROUND PROJECT CHARGE - YEAR 1** SCHEDULE "R-TM" DISTRICT OF COLUMBIA

DIOTRIOT	OF COLUMBIA	PRESEN	T R-TM			PROPOS	ED R-TM			INCREASE				
KWH	\$ AMOUN	T OF BILL	\$/K	WH	\$ AMOUN	T OF BILL	\$/K	WH	(\$)	(\$)	(%)	(%)	(\$)	(%)
	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER \	WINTER	ANNUAL	ANNUAL
1,000	150.58	156.18	0.15058	0.15618	151.22	156.82	0.15122	0.15682	0.64	0.64	0.43%	0.41%	0.64	0.42%
1,500	217.11	225.52	0.14474	0.15035	218.07	226.48	0.14538	0.15099	0.96	0.96	0.44%	0.43%	0.96	0.43%
2,000	283.64	294.85	0.14182	0.14743	284.92	296.13	0.14246	0.14807	1.28	1.28	0.45%	0.43%	1.28	0.44%
2,500	350.16	364.18	0.14006	0.14567	351.76	365.78	0.14070	0.14631	1.60	1.60	0.46%	0.44%	1.60	0.45%
3,000	416.69	433.51	0.13890	0.14450	418.61	435.43	0.13954	0.14514	1.92	1.92	0.46%	0.44%	1.92	0.45%
3,500	483.22	502.85	0.13806	0.14367	485.46	505.09	0.13870	0.14431	2.24	2.24	0.46%	0.45%	2.24	0.45%
4,000	549.75	572.18	0.13744	0.14305	552.31	574.74	0.13808	0.14369	2.56	2.56	0.47%	0.45%	2.56	0.45%
4,500	616.28	641.51	0.13695	0.14256	619.16	644.39	0.13759	0.14320	2.88	2.88	0.47%	0.45%	2.88	0.46%
5,000	682.81	710.84	0.13656	0.14217	686.01	714.04	0.13720	0.14281	3.20	3.20	0.47%	0.45%	3.20	0.46%
5,500	749.34	780.17	0.13624	0.14185	752.86	783.69	0.13688	0.14249	3.52	3.52	0.47%	0.45%	3.52	0.46%
6,000	815.87	849.51	0.13598	0.14159	819.71	853.35	0.13662	0.14223	3.84	3.84	0.47%	0.45%	3.84	0.46%
6,500	882.40	918.84	0.13575	0.14136	886.56	923.00	0.13639	0.14200	4.16	4.16	0.47%	0.45%	4.16	0.46%
7,000	948.92	988.17	0.13556	0.14117	953.40	992.65	0.13620	0.14181	4.48	4.48	0.47%	0.45%	4.48	0.46%
7,500	1,015.45	1,057.50	0.13539	0.14100	1,020.25	1,062.30	0.13603	0.14164	4.80	4.80	0.47%	0.45%	4.80	0.46%
8,000	1,081.98	1,126.83	0.13525	0.14085	1,087.10	1,131.95	0.13589	0.14149	5.12	5.12	0.47%	0.45%	5.12	0.46%
8,500	1,148.51	1,196.17	0.13512	0.14073	1,153.95	1,201.61	0.13576	0.14137	5.44	5.44	0.47%	0.45%	5.44	0.46%
9,000	1,215.04	1,265.50	0.13500	0.14061	1,220.80	1,271.26	0.13564	0.14125	5.76	5.76	0.47%	0.46%	5.76	0.46%
9,500	1,281.57	1,334.83	0.13490	0.14051	1,287.65	1,340.91	0.13554	0.14115	6.08	6.08	0.47%	0.46%	6.08	0.46%
10,000	1,348.10	1,404.16	0.13481	0.14042	1,354.50	1,410.56	0.13545	0.14106	6.40	6.40	0.47%	0.46%	6.40	0.46%
11,000	1,481.16	1,542.83	0.13465	0.14026	1,488.20	1,549.87	0.13529	0.14090	7.04	7.04	0.48%	0.46%	7.04	0.46%
12,000	1,614.21	1,681.49	0.13452	0.14012	1,621.89	1,689.17	0.13516	0.14076	7.68	7.68	0.48%	0.46%	7.68	0.46%
13,000	1,747.27	1,820.16	0.13441	0.14001	1,755.59	1,828.48	0.13505	0.14065	8.32	8.32	0.48%	0.46%	8.32	0.46%
14,000	1,880.33	1,958.82	0.13431	0.13992	1,889.29	1,967.78	0.13495	0.14056	8.96	8.96	0.48%	0.46%	8.96	0.47%
15,000	2,013.39	2,097.49	0.13423	0.13983	2,022.99	2,107.09	0.13487	0.14047	9.60	9.60	0.48%	0.46%	9.60	0.47%
17,500	2,346.03	2,444.15	0.13406	0.13967	2,357.23	2,455.35	0.13470	0.14031	11.20	11.20	0.48%	0.46%	11.20	0.47%
20,000	2,678.68	2,790.81	0.13393	0.13954	2,691.48	2,803.61	0.13457	0.14018	12.80	12.80	0.48%	0.46%	12.80	0.47%
22,500	3,011.32	3,137.47	0.13384	0.13944	3,025.72	3,151.87	0.13448	0.14008	14.40	14.40	0.48%	0.46%	14.40	0.47%
25,000	3,343.97	3,484.13	0.13376	0.13937	3,359.97	3,500.13	0.13440	0.14001	16.00	16.00	0.48%	0.46%	16.00	0.47%

KWH DISTRIBUTION

ON PK INT OFF PK ALL SUMMER HOURS US 29% 25% 46% ALL WINTER HOURS USE 22% 25% 53%

F	PRESENT		PROPOSED						
	SUMMER	WINTER	SUMMER	WINTER					
CUSTOMER	17.52	17.52	CUSTOMEI 17.52	17.52					
ENERGY (kWh)		ENERGY (kWh)						
On Peak	0.12905	0.12810	On Peak 0.12905	0.12810					
Intermediate	0.11885	0.12706	Intermedia 0.11885	0.12706					
Off Peak	0.11474	0.12373	Off Peak 0.11474	0.12373					
Surcharges	0.01314	0.01314	Surcharge 0.01378	0.01378					

POTOMAC ELECTRIC POWER COMPANY BILL IMPACT OF UNDERGROUND PROJECT CHARGE - YEAR 1 SCHEDULE "GS ND" DISTRICT OF COLUMBIA

DISTRIC	OF COLUM								MODEAGE					
	_	PRESEN			_	PROPOSED			INCREASE					
KWH	\$ AMOUN		\$/KV		\$ AMOUN		\$/K		(\$)	(\$)	(%)	(%)	(\$)	(%)
	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER \	NINTER A	ANNUAL	ANNUAL
0	23.39	23.39	-	-	23.39	23.39	-	-	0.00	0.00	0.00%	0.00%	0.00	0.00%
10	24.51	24.49	2.45100	2.44900	24.52	24.49	2.45200	2.44900	0.01	0.00	0.04%	0.00%	0.00	0.02%
20	25.63	25.59	1.28150	1.27950	25.64	25.60	1.28200	1.28000	0.01	0.01	0.04%	0.04%	0.01	0.04%
30	26.76	26.69	0.89200	0.88967	26.77	26.70	0.89233	0.89000	0.01	0.01	0.04%	0.04%	0.01	0.04%
40	27.88	27.79	0.69700	0.69475	27.89	27.81	0.69725	0.69525	0.01	0.02	0.04%	0.07%	0.02	0.06%
50	29.00	28.89	0.58000	0.57780	29.02	28.91	0.58040	0.57820	0.02	0.02	0.07%	0.07%	0.02	0.07%
100	34.61	34.40	0.34610	0.34400	34.65	34.44	0.34650	0.34440	0.04	0.04	0.12%	0.12%	0.04	0.12%
150	40.22	39.90	0.26813	0.26600	40.28	39.96	0.26853	0.26640	0.06	0.06	0.15%	0.15%	0.06	0.15%
200	45.83	45.41	0.22915	0.22705	45.90	45.48	0.22950	0.22740	0.07	0.07	0.15%	0.15%	0.07	0.15%
250	51.44	50.91	0.20576	0.20364	51.53	51.01	0.20612	0.20404	0.09	0.10	0.17%	0.20%	0.10	0.19%
300	57.04	56.41	0.19013	0.18803	57.16	56.53	0.19053	0.18843	0.12	0.12	0.21%	0.21%	0.12	0.21%
400	68.26	67.42	0.17065	0.16855	68.42	67.58	0.17105	0.16895	0.16	0.16	0.23%	0.24%	0.16	0.24%
500	79.48	78.43	0.15896	0.15686	79.68	78.63	0.15936	0.15726	0.20	0.20	0.25%	0.26%	0.20	0.25%
600	90.70	89.44	0.15117	0.14907	90.93	89.67	0.15155	0.14945	0.23	0.23	0.25%	0.26%	0.23	0.26%
700	101.92	100.45	0.14560	0.14350	102.19	100.72	0.14599	0.14389	0.27	0.27	0.26%	0.27%	0.27	0.27%
800	113.14	111.46	0.14143	0.13933	113.45	111.77	0.14181	0.13971	0.31	0.31	0.27%	0.28%	0.31	0.28%
900	124.35	122.46	0.13817	0.13607	124.70	122.81	0.13856	0.13646	0.35	0.35	0.28%	0.29%	0.35	0.28%
1,000	135.57	133.47	0.13557	0.13347	135.96	133.86	0.13596	0.13386	0.39	0.39	0.29%	0.29%	0.39	0.29%
.,					(3.0 03.0.0									
1,250	163.62	160.99	0.13090	0.12879	164.10	161.48	0.13128	0.12918	0.48	0.49	0.29%	0.30%	0.49	0.30%
1,500	191.66	188.51	0.12777	0.12567	192.25	189.10	0.12817	0.12607	0.59	0.59	0.31%	0.31%	0.59	0.31%
1,750	219.71	216.03	0.12555	0.12345	220.39	216.72	0.12594	0.12384	0.68	0.69	0.31%	0.32%	0.69	0.32%
2,000	247.75	243.55	0.12388	0.12178	248.53	244.33	0.12427	0.12217	0.78	0.78	0.31%	0.32%	0.78	0.32%
2,500	303.84	298.59	0.12154	0.11944	304.82	299.57	0.12193	0.11983	0.98	0.98	0.32%	0.33%	0.98	0.33%
3,000	359.94	353.64	0.11998	0.11788	361.11	354.81	0.12037	0.11827	1.17	1.17	0.33%	0.33%	1.17	0.33%
0,000	000.04	000.01	0.11000	0.11700	001.11	00 1.01	0.12007	0.11027			0.0070	0.0070		0.0070
3,500	416.03	408.68	0.11887	0.11677	417.39	410.04	0.11925	0.11715	1.36	1.36	0.33%	0.33%	1.36	0.33%
4,000	472.12	463.72	0.11803	0.11593	473.68	465.28	0.11842	0.11632	1.56	1.56	0.33%	0.34%	1.56	0.33%
5,000	584.30	573.80	0.11686	0.11476	586.25	575.75	0.11725	0.11515	1.95	1.95	0.33%	0.34%	1.95	0.34%
6,000	696.48	683.88	0.11608	0.11398	698.82	686.22	0.11723	0.11437	2.34	2.34	0.34%	0.34%	2.34	0.34%
0,000	000.40	000.00	0.11000	3.11000	000.02	000.22	0.110-11	5.11-07	2.0-7	2.04	0.0-70	J.U-170	2.04	0.0470

	PRE	SENT	PROPOSED
	SUMMER	WINTER	SUMMER WINTER
CUSTOMER	23.39	23.39	23.39 23.39
ENERGY (kWh)			
All Kilowatt-hours	0.10888	0.10678	0.10888 0.10678
Surcharges	0.0033	0.003302	0.00369 0.00369

POTOMAC ELECTRIC POWER COMPANY BILL IMPACT OF UNDERGROUND PROJECT CHARGE - YEAR 1 SCHEDULE "GS D LV" DISTRICT OF COLUMBIA PRESENT GS D LV

0151	PRESENT GS D LV PROPOSED GS D LV INCREASE													
			PRESENT	GS_D_LV			PROPOSED	GS_D_LV						
KW	Hours	KWH	\$ AMOUN	T OF BILL	\$/K	WH	\$ AMOUN	T OF BILL	\$/K\	NΗ	(\$)	(\$)	(%)	(%)
			SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER
10	100	1000	195.07	192.48	0.19507	0.19248	195.83	193.24	0.19583	0.19324	0.76	0.76	0.39%	0.39%
	200	2000	317.74	312.56	0.15887	0.15628	319.26	314.08	0.15963	0.15704	1.52	1.52	0.48%	0.49%
	300	3000	440.40	432.63	0.14680	0.14421	442.68	434.91	0.14756	0.14497	2.28	2.28	0.52%	0.53%
	400	4000	563.06	552.70	0.14077	0.13818	566.10	555.74	0.14153	0.13894	3.04	3.04	0.54%	0.55%
	500	5000	685.73	672.78	0.13715	0.13456	689.53	676.58	0.13791	0.13532	3.80	3.80	0.55%	0.56%
	600	6000	808.39	792.85	0.13473	0.13214	812.95	797.41	0.13549	0.13290	4.56	4.56	0.56%	0.58%
25	100	2,500	447.02	440.54	0.17881	0.17622	448.92	442.44	0.17957	0.17698	1.90	1.90	0.43%	0.43%
	200	5,000	753.68	740.73	0.15074	0.14815	757.48	744.53	0.15150	0.14891	3.80	3.80	0.50%	0.51%
	300	7,500	1,060.33	1,040.91	0.14138	0.13879	1,066.03	1,046.61	0.14214	0.13955	5.70	5.70	0.54%	0.55%
	400	10,000	1,366.99	1,341.09	0.13670	0.13411	1,374.59	1,348.69	0.13746	0.13487	7.60	7.60	0.56%	0.57%
	500	12,500	1,673.65	1,641.28	0.13389	0.13130	1,683.15	1,650.78	0.13465	0.13206	9.50	9.50	0.57%	0.58%
	600	15,000	1,980.31	1,941.46	0.13202	0.12943	1,991.71	1,952.86	0.13278	0.13019	11.40	11.40	0.58%	0.59%
50	100	5,000	866.93	853.98	0.17339	0.17080	870.73	857.78	0.17415	0.17156	3.80	3.80	0.44%	0.44%
	200	10,000	1,480.24	1,454.34	0.14802	0.14543	1,487.84	1,461.94	0.14878	0.14619	7.60	7.60	0.51%	0.52%
	300	15,000	2,093.56	2,054.71	0.13957	0.13698	2,104.96	2,066.11	0.14033	0.13774	11.40	11.40	0.54%	0.55%
	400	20,000	2,706.87	2,655.07	0.13534	0.13275	2,722.07	2,670.27	0.13610	0.13351	15.20	15.20	0.56%	0.57%
	500	25,000	3,320.19	3,255.44	0.13281	0.13022	3,339.19	3,274.44	0.13357	0.13098	19.00	19.00	0.57%	0.58%
	600	30,000	3,933.51	3,855.81	0.13112	0.12853	3,956.31	3,878.61	0.13188	0.12929	22.80	22.80	0.58%	0.59%
75	100	7,500	1,286.83	1,267.41	0.17158	0.16899	1,292.53	1,273.11	0.17234	0.16975	5.70	5.70	0.44%	0.45%
	200	15,000	2,206.81	2,167.96	0.14712	0.14453	2,218.21	2,179.36	0.14788	0.14529	11.40	11.40	0.52%	0.53%
	300	22,500	3,126.78	3,068.51	0.13897	0.13638	3,143.88	3,085.61	0.13973	0.13714	17.10	17.10	0.55%	0.56%
	400	30,000	4,046.76	3,969.06	0.13489	0.13230	4,069.56	3,991.86	0.13565	0.13306	22.80	22.80	0.56%	0.57%
	500	37,500	4,966.73	4,869.60	0.13245	0.12986	4,995.23	4,898.10	0.13321	0.13062	28.50	28.50	0.57%	0.59%
	600	45,000	5,886.70	5,770.15	0.13082	0.12823	5,920.90	5,804.35	0.13158	0.12899	34.20	34.20	0.58%	0.59%

	PRE	SENT	PROPOSED			
	SUMMER	WINTER	SUMMER	WINTER		
CUSTOMER	27.11	27.11	27.11	27.11		
ENERGY (kWh)						
first 6000	0.11520	0.11261	0.11520	0.11261		
additional	0.11520	0.11261	0.11520	0.11261		
Surcharges	0.00746	0.0074632	0.008223	0.0082232		
DEMAND (kW)	4.53	4.53	4.53	4.53		
DEMAND (kW)	4.53	4.53	4.53	4.53		

POTOMAC ELECTRIC POWER COMPANY BILL IMPACT OF UNDERGROUND PROJECT CHARGE - YEAR 1 SCHEDULE "GT LV" DISTRICT OF COLUMBIA

HOURS			PRESENT 'C	ST-LV'		PROPOSED 'GT-LV'				INCREASE				
USE	KWH	\$ AMOUN	IT OF BILL	\$/KV	VH	\$ AMOUN	T OF BILL	\$/K	WH		(\$)	(\$)	(%)	(%)
		SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER			WINTER	SUMMER	WINTER
						BAAVIBALIBA A	ND ON PEAK	DEMAND .	100	L/M/				
200	20,000	2 240 51	3,353.61	0.16748	0.16769	3,358.91	3,363.01	0.16795	0.16815	LAA	9.40	9.40	0.28%	0.28%
200	20,000	3,349.51			0.16766	4,286.46	4,343.78	0.16795	0.16615		14.10	14.10	0.28%	0.28%
300	30,000	4,272.36	4,329.68				5,316.89	0.14266	0.14479		18.80	18.80	0.36%	0.35%
400	40,000	5,164.13	5,298.09		0.13245	5,182.93								0.38%
500	50,000	6,043.00	6,262.77		0.12526	6,066.50	6,286.27	0.12133	0.12573		23.50	23.50	0.39%	
600	60,000	6,920.61	7,226.58	0.11534	0.12044	6,948.81	7,254.78	0.11581	0.12091		28.20	28.20	0.41%	0.39%
									300	KW				
200	60,000	9,290.46	9,302.77	0.15484	0.15505	9,318.66	9,330.97	0.15531	0.15552		28.20	28.20	0.30%	0.30%
300		12,059.00	12,230.96		0.13590	12,101.30	12,273.26	0.13446	0.13637		42.30	42.30	0.35%	0.35%
400		14,734.32	15,136.21		0.12614	14,790.72	15,192.61	0.12326	0.12661		56.40	56.40	0.38%	0.37%
500		17,370.93	18,030.24		0.12020	17,441.43	18,100.74	0.11628	0.12067		70.50	70.50	0.41%	0.39%
600		20,003.77	20,921.66		0.11623	20,088.37	21,006.26	0.11160	0.11670		84.60	84.60	0.42%	0.40%
	•		•											
									500	KW				
200	100,000	15,231.40	15,251.93	0.15231	0.15252	15,278.40	15,298.93	0.15278	0.15299		47.00	47.00	0.31%	
300	150,000	19,845.64	20,132.25	0.13230	0.13422	19,916.14	20,202.75	0.13277	0.13469		70.50	70.50	0.36%	
400	200,000	24,304.51	24,974.32	0.12152	0.12487	24,398.51	25,068.32	0.12199	0.12534		94.00	94.00	0.39%	0.38%
500		28,698.86	29,797.71	0.11480	0.11919	28,816.36	29,915.21	0.11527	0.11966		117.50	117.50	0.41%	0.39%
600	300,000	33,086.93	34,616.74	0.11029	0.11539	33,227.93	34,757.74	0.11076	0.11586		141.00	141.00	0.43%	0.41%
									1,000	KW				
200	13/15/00/2003 TO 15/16/16/16	30,083.77	30,124.83		0.15062	30,177.77	30,218.83	0.15089	0.15109		94.00	94.00	0.31%	
300		39,312.24	39,885.46		0.13295	39,453.24	40,026.46	0.13151	0.13342		141.00	141.00	0.36%	
400	N	48,229.99	49,569.61		0.12392	48,417.99	49,757.61	0.12104	0.12439		188.00	188.00	0.39%	
500		57,018.68	59,216.38		0.11843	57,253.68	59,451.38	0.11451	0.11890		235.00	235.00	0.41%	
600	600,000	65,794.83	68,854.45	0.10966	0.11476	66,076.83	69,136.45	0.11013	0.11523		282.00	282.00	0.43%	0.41%
KWH	DISTRIBUTION							PRESENT				PROPOSED)	1
	DIOTRIDOTION	ON PK	INT	OFF PK				TILOLIT				THOI GOLL		1
200	HOURS USE =	31%	29%	40%				SUMMER	WINTER			SUMMER	WINTER	1
	HOURS USE =	33%	27%	40%			CUSTOMER		379.03		CUSTOMER	379.03	379.03	
	HOURS USE =	30%	26%	44%			DEMAND (k)		070.00		DEMAND (kV)		0,0.00	
	HOURS USE =	27%	25%	48%			On Peak	1.1759	0.0000		On Peak	1.1759	0.0000	
	HOURS USE =	25%	24%	51%			Maximum	10.2297	10.2297		Maximum	10.2297	10.2297	
000	HOUNG USE =	2370	∠→ /0	J 1 /0			ENERGY (k)		10.2231		ENERGY (kW		10.2231	
							On Peak	0.08644	0.08298		On Peak	0.08644	0.08298	
							Int Peak	0.07329	0.08255		Int Peak	0.07329	0.08255	
							Off Peak	0.06702	0.07820	1	Off Peak	0.06702	0.07820	

0.01664

SURCHARG 0.01664

SURCHARG

0.01711

0.01711

POTOMAC ELECTRIC POWER COMPANY BILL IMPACT OF UNDERGROUND PROJECT CHARGE - YEAR 1 SCHEDULE "GT LV" DISTRICT OF COLUMBIA

HOURS			PRESENT 'C	ST-LV'		PROPOSED 'GT-LV'					INCREASE			
USE	KWH	\$ AMOUI	NT OF BILL	\$/KV	VH	\$ AMOUN	T OF BILL	\$/K	WH		(\$)	(\$)	(%)	(%)
		SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER			WINTER	SUMMER	WINTER
						MAXIMUM A	ND ON PEAK	DEMAND :	2,000	ĸw				
200	400,000	59,788.51	59,870.63	0.14947	0.14968	59,976.51	60,058.63	0.14994	0.15015		188.00	188.00	0.31%	0.31%
300	and the second of the second o	78,245.45	79,391.89		0.13232	78,527.45	79,673.89	0.13088	0.13279		282.00	282.00	0.36%	0.36%
400	· ·	96,080.95	98,760.19		0.12345	96,456.95	99,136.19	0.12057	0.12392		376.00	376.00	0.39%	0.38%
500	20 ST CONTY CO. 20	113,658.33	118,053.73		0.11805	114,128.33	118,523.73	0.11413	0.11852		470.00	470.00	0.41%	0.40%
600	Carried Manager Control	131,210.63	137,329.87		0.11444	131,774.63	137,893.87	0.10981	0.11491		564.00	564.00	0.43%	0.41%
000	000 000	440 407 00	440 000 00	0.44000	0.4.4000	110 570 00	440 700 00	0.44047	4,000	KW	070.00	070.00	0.000/	0.000/
200		119,197.99	119,362.23		0.14920	119,573.99	119,738.23	0.14947	0.14967		376.00	376.00	0.32%	0.32%
300		156,111.87	158,404.75		0.13200	156,675.87	158,968.75	0.13056	0.13247		564.00	564.00	0.36%	0.36%
400		191,782.87	197,141.35	0.11986		192,534.87	197,893.35	0.12033	0.12368		752.00	752.00	0.39%	0.38%
500		226,937.63	235,728.43		0.11786	227,877.63	236,668.43	0.11394	0.11833		940.00	940.00	0.41%	0.40%
600	2,400,000	262,042.23	274,280.71	0.10918	0.11428	263,170.23	275,408.71	0.10965	0.11475		1,128.00	1,128.00	0.43%	0.41%
									6,000	KW				
200	1,200,000	178,607.47	178,853.83	0.14884	0.14904	179,171.47	179,417.83	0.14931	0.14951		564.00	564.00	0.32%	0.32%
300	1,800,000	233,978.29	237,417.61	0.12999	0.13190	234,824.29	238,263.61	0.13046	0.13237		846.00	846.00	0.36%	0.36%
400	2,400,000	287,484.79	295,522.51	0.11979	0.12313	288,612.79	296,650.51	0.12026	0.12360		1,128.00	1,128.00	0.39%	0.38%
500		340,216.93	353,403.13	0.11341	0.11780	341,626.93	354,813.13	0.11388	0.11827		1,410.00	1,410.00	0.41%	0.40%
600		392,873.83	411,231.55		0.11423	394,565.83	412,923.55	0.10960	0.11470		1,692.00	1,692.00	0.43%	0.41%
									8,000	L/A/				
200	1,600,000	238.016.95	238,345.43	0.14976	0.14897	238,768.95	239,097.43	0.14923	0.14944	LAA	752.00	752.00	0.330/	0.32%
300		311,844.71	316,430.47		0.14697	312,972.71	317,558.47	0.13041	0.13232		752.00 1,128.00	1,128.00	0.32% 0.36%	0.36%
400		383,186.71	393,903.67		0.13103	384,690.71	395,407.67	0.13041	0.13232		1,504.00	1,504.00	0.30%	0.38%
500		453,496.23	471,077.83		0.12309	455,376.23	472,957.83	0.12022	0.12336		1,880.00	1,880.00	0.39%	0.40%
600		523,705.43	548,182.39		0.11777	525,961.43	550,438.39	0.11364	0.11624		2,256.00	2,256.00	0.41%	0.40%
000	4,000,000	020,700.40	540, 102.55	0.10311	0.11420	323,301.43	330,430.33	0.10330	0.11407		2,230.00	2,230.00	0.4370	0.4170
KWH	DISTRIBUTION	- 011 1014		055 DV				PRESENT			F	PROPOSED)	
200	HOURS USE =	ON PK	INT	OFF PK				CLIMANAED	MANATED			N IN AN ACC	MANATED	
		31%	29%	40%			CHICTOMED	SUMMER				SUMMER	1 W 1 W 1 W 1 W 1 W 1 W 1 W 1 W 1 W 1 W	
	HOURS USE =	33%	27%	40%			CUSTOMER		379.03		CUSTOMER	379.03	379.03	
	HOURS USE =	30%	26%	44%			DEMAND (kl	,			DEMAND (kW)			
	HOURS USE =	27%	25%	48%			On Peak	1.1759	0.0000		On Peak	1.1759	0.0000	
600	HOURS USE =	25%	24%	51%			Maximum	10.2297	10.2297		Maximum	10.2297	10.2297	
							ENERGY (kV	,	0.00055		ENERGY (kW			
							On Peak	0.08644	0.08298		On Peak	0.08644	0.08298	
							Int Peak	0.07329	0.08255		Int Peak	0.07329	0.08255	
							Off Peak	0.06702	0.07820		Off Peak	0.06702	0.07820	
							SURCHARG	0.01664	0.01664		SURCHARG	0.01711	0.01711	

POTOMAC ELECTRIC POWER COMPANY BILL IMPACT OF UNDERGROUND PROJECT CHARGE - YEAR 1 SCHEDULE "GT 3A" DISTRICT OF COLUMBIA

HOURS			PRESENT 'G	GT-3A'		PROPOSED 'GT- 3A'					INCREASE			
USE	KWH		IT OF BILL	\$/K\		\$ AMOUN	NT OF BILL	\$/K	WH		(\$)	(\$)	(%)	(%)
		SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER		SUMMER	WINTER	SUMMER	WINTER
						MAXIMUM AN	ID ON PEAK DEI	MAND =	1,000	KW				
200	200,000	24,599.37	24,513.69	0.12300	0.12257	24,655.37	24,569.69	0.12328	0.12285		56.00	56.00	0.23%	0.23%
300	300,000	32,776.44	33,146.38	0.10925	0.11049	32,860.44	33,230.38	0.10953	0.11077		84.00	84.00	0.26%	0.25%
400	400,000	40,592.07	41,648.35	0.10148	0.10412	40,704.07	41,760.35	0.10176	0.10440		112.00	112.00	0.28%	0.27%
500	500,000	48,255.48	50,088.78	0.09651	0.10018	48,395.48	50,228.78	0.09679	0.10046		140.00	140.00	0.29%	0.28%
600	600,000	55,902.21	58,516.69	0.09317	0.09753	56,070.21	58,684.69	0.09345	0.09781		168.00	168.00	0.30%	0.29%
									2,000	kW				
200	400,000	49,046.11	48,874.75	0.12262	0.12219	49,158.11	48,986.75	0.12290	0.12247		112.00	112.00	0.23%	0.23%
300	600,000	65,400.25	66,140.13	0.10900	0.11023	65,568.25	66,308.13	0.10928	0.11051		168.00	168.00	0.26%	0.25%
400	800,000	81,031.51	83,144.07	0.10129	0.10393	81,255.51	83,368.07	0.10157	0.10421		224.00	224.00	0.28%	0.27%
500	1,000,000	96,358.33	100,024.93	0.09636	0.10002	96,638.33	100,304.93	0.09664	0.10030		280.00	280.00	0.29%	0.28%
600	1,200,000	111,651.79	116,880.75	0.09304	0.09740	111,987.79	117,216.75	0.09332	0.09768		336.00	336.00	0.30%	0.29%
									5,000	KIM				
200	1,000,000	122,386.33	121,957.93	0.12239	0.12196	122,666.33	122,237.93	0.12267	0.12224	LAA	280.00	280.00	0.23%	0.23%
300	1,500,000	163,271.68	165,121.38	0.12233	0.12190	163,691.68	165,541.38	0.12207	0.12224		420.00	420.00	0.25%	0.25%
400	2,000,000	202,349.83	207,631.23	0.10003	0.11008	202,909.83	208,191.23	0.10913	0.11030		560.00	560.00	0.28%	0.25%
500	2,500,000	240,666.88	249,833.38	0.10117	0.10382	241,366.88	250,533.38	0.10145	0.10410		700.00	700.00	0.28%	0.27%
600		278,900.53	291,972.93	0.09297	0.09333	279,740.53	292,812.93	0.09325	0.10021		840.00	840.00	0.29%	0.28%
000	3,000,000	270,300.33	201,012.00	0.03231	0.03732	213,140.55	232,012.33	0.03323	0.03700		040.00	040.00	0.30 %	0.23 /0
									7,500	KW				
200	1,500,000	183,503.18	182,860.58	0.12234	0.12191	183,923.18	183,280.58	0.12262	0.12219		420.00	420.00	0.23%	0.23%
300	2,250,000	244,831.21	247,605.76	0.10881	0.11005	245,461.21	248,235.76	0.10909	0.11033		630.00	630.00	0.26%	0.25%
400	3,000,000	303,448.43	311,370.53	0.10115	0.10379	304,288.43	312,210.53	0.10143	0.10407		840.00	840.00	0.28%	0.27%
500	3,750,000	360,924.01	374,673.76	0.09625	0.09991	361,974.01	375,723.76	0.09653	0.10019		1,050.00	1,050.00	0.29%	0.28%
600	4,500,000	418,274.48	437,883.08	0.09295	0.09731	419,534.48	439,143.08	0.09323	0.09759		1,260.00	1,260.00	0.30%	0.29%
KWH	DISTRIBUTION						Γ	PRESENT			P	ROPOSED		
		ON PK	INT	OFF PK										
200	HOURS USE =	31%	29%	40%				SUMMER	WINTER		S	JMMER	WINTER	
300	HOURS USE =	33%	27%	40%			CUSTOMER	152.63	152.63		CUSTOMER	152.63	152.63	
400	HOURS USE =	30%	26%	44%			DEMAND (kW)				DEMAND (kW)			
500	HOURS USE =	27%	25%	48%			On Peak	1.1450	0.0000		On Peak	1.1450	0.0000	
600	HOURS USE =	25%	24%	51%			Maximum	7.1186	7.1186		Maximum	7.1186	7.1186	
							ENERGY (kWh)				ENERGY (kWh			
							On Peak	0.07900	0.07495		On Peak	0.07900	0.07495	
							Int Peak	0.06475	0.07304		Int Peak	0.06475	0.07304	
							Off Peak	0.05641	0.06678		Off Peak	0.05641	0.06678	
							SURCHARGES		0.01508		SURCHARC	0.01536	0.01536	

POTOMAC ELECTRIC POWER COMPANY BILL IMPACT OF UNDERGROUND PROJECT CHARGE - YEAR 1 SCHEDULE "GT 3A" DISTRICT OF COLUMBIA

HOURS			PRESENT 'G	ST-3A'		PROPOSED 'GT- 3A'				INCREASE				
USE	KWH		T OF BILL	\$/KV	VH	\$ AMOUN	NT OF BILL	\$/K	WH		(\$)	(\$)	(%)	(%)
		SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER			WINTER	SUMMER	WINTER
						MAYIMI IM AN	ND ON PEAK DE	MAND -	10,000	KW				
200	2,000,000	244,620.03	243,763.23	0.12231	0.12188	245,180.03	244,323.23	0.12259	0.12216	LAA	560.00	560.00	0.23%	0.23%
300	3,000,000	326,390.73	330,090.13	0.12231	0.12100	327,230.73	330,930.13	0.12239	0.11031		840.00	840.00	0.26%	0.25%
400	4,000,000	404,547.03	415,109.83	0.10114	0.11003	405,667.03	416,229.83	0.10300	0.11031		1,120.00	1,120.00	0.28%	0.27%
500	5,000,000	481,181.13	499,514.13	0.09624	0.09990	482,581.13	500,914.13	0.09652	0.10018		1,400.00	1,400.00	0.29%	0.21 %
600	6,000,000	557,648.43	583,793.23	0.09024	0.09990	559,328.43	585,473.23	0.09032	0.10018		1,680.00	1,680.00	0.29%	0.28%
000	0,000,000	337,040.43	303,793.23	0.03234	0.03730	339,320.43	303,473.23	0.03322	0.03730		1,000.00	1,000.00	0.30 %	0.2976
									20,000	KW				
200	4,000,000	489,087.43	487,373.83	0.12227	0.12184	490,207.43	488,493.83	0.12255	0.12212		1,120.00	1,120.00	0.23%	0.23%
300	6,000,000	652,628.83	660,027.63	0.10877	0.11000	654,308.83	661,707.63	0.10905	0.11028		1,680.00	1,680.00	0.26%	0.25%
400	8,000,000	808,941.43	830,067.03	0.10112	0.10376	811,181.43	832,307.03	0.10140	0.10404		2,240.00	2,240.00	0.28%	0.27%
500	10,000,000	962,209.63	998,875.63	0.09622	0.09989	965,009.63	1,001,675.63	0.09650	0.10017		2,800.00	2,800.00	0.29%	0.28%
600	12,000,000	1,115,144.23	1,167,433.83	0.09293	0.09729	1,118,504.23	1,170,793.83	0.09321	0.09757		3,360.00	3,360.00	0.30%	0.29%
									30,000	KW				0.000/
200		733,554.83	730,984.43	0.12226	0.12183	735,234.83	732,664.43	0.12254	0.12211		1,680.00	1,680.00	0.23%	0.23%
300	9,000,000	978,866.93	989,965.13	0.10876	0.11000	981,386.93	992,485.13	0.10904	0.11028		2,520.00	2,520.00	0.26%	0.25%
400	12,000,000	1,213,335.83	1,245,024.23	0.10111	0.10375	1,216,695.83	1,248,384.23	0.10139	0.10403		3,360.00	3,360.00	0.28%	0.27%
500	15,000,000	1,443,238.13	1,498,237.13	0.09622	0.09988	1,447,438.13	1,502,437.13	0.09650	0.10016		4,200.00	4,200.00	0.29%	0.28%
600	18,000,000	1,672,640.03	1,751,074.43	0.09292	0.09728	1,677,680.03	1,756,114.43	0.09320	0.09756		5,040.00	5,040.00	0.30%	0.29%
									40,000	ĸw				
200	8,000,000	978,022.23	974,595.03	0.12225	0.12182	980,262.23	976,835.03	0.12253	0.12210		2,240.00	2,240.00	0.23%	0.23%
300	12,000,000	1,305,105.03	1,319,902.63	0.10876	0.10999	1,308,465.03	1,323,262.63	0.10904	0.11027		3,360.00	3,360.00	0.26%	0.25%
400	16,000,000	1,617,730.23	1,659,981.43	0.10111	0.10375	1,622,210.23	1,664,461.43	0.10139	0.10403		4,480.00	4,480.00	0.28%	0.27%
500		1,924,266.63	1,997,598.63	0.09621	0.09988	1,929,866.63	2,003,198.63	0.09649	0.10016		5,600.00	5,600.00	0.29%	0.28%
600	24,000,000	2,230,135.83	2,334,715.03	0.09292	0.09728	2,236,855.83	2,341,435.03	0.09320	0.09756		6,720.00	6,720.00	0.30%	0.29%
	Side winds state of the financial and the state of the st	Annual Annual State of the	STAND PORTSTONE DOLL BY SHAREWARD					Washington,			100 € 100 UN-000/E 100 (LUBY)	8000 • DUIS-1800-1800-1800-1800	V97189460180 7009	
KWH	DISTRIBUTION							PRESENT			Р	ROPOSED		
000			INT	OFF PK				O						
	HOURS USE =	31%	29%	40%			0110701455	SUMMER					WINTER	
	HOURS USE =	33%	27%	40%			CUSTOMER	152.63	152.63		CUSTOMER	152.63	152.63	
	HOURS USE =	30%	26%	44%			DEMAND (kW)				DEMAND (kW)	All the second s		
	HOURS USE =	27%	25%	48%			On Peak	1.1450	0.0000		On Peak	1.1450	0.0000	
600	HOURS USE =	25%	24%	51%			Maximum	7.1186	7.1186		Maximum	7.1186	7.1186	
							ENERGY (kWh)				ENERGY (kW	,		
							On Peak	0.07900	0.07495		On Peak	0.07900	0.07495	
							Int Peak	0.06475	0.07304		Int Peak	0.06475	0.07304	
							Off Peak	0.05641	0.06678		Off Peak	0.05641	0.06678	
							SURCHARGES	0.01508	0.01508		SURCHAR(0.01536	0.01536	

PEPCO (C) - 4 Page 10 of 10

POTOMAC ELECTRIC POWER COMPANY BILL IMPACT OF UNDERGROUND PROJECT CHARGE - YEAR 1 SCHEDULE "GT 3B" DISTRICT OF COLUMBIA

HOURS		PRESENT 'GT-3B'				PROPOSED 'GT-3B'					INCREASE			
USE	KWH	\$ AMOUN	IT OF BILL	\$/K\	WH .	\$ AMOUN	T OF BILL	\$/ K	WH		(\$)	(\$)	(%)	(%)
		SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER		SUMMER	WINTER	SUMMER	WINTER
						MAXIMUM AND	ON PEAK DEN	MAND =	10,000	KW				
200	2,000,000	275,474.77	275,474.77	0.13774	0.13774	275,534.77	275,534.77	0.13777	0.13777		60.00	60.00	0.02%	0.02%
300	3,000,000	396,850.97	396,850.97	0.13228	0.13228	396,940.97	396,940.97	0.13231	0.13231		90.00	90.00	0.02%	0.02%
400	4,000,000	518,227.17	518,227.17	0.12956	0.12956	518,347.17	518,347.17	0.12959	0.12959		120.00	120.00	0.02%	0.02%
500	5,000,000	639,603.37	639,603.37	0.12792	0.12792	639,753.37	639,753.37	0.12795	0.12795		150.00	150.00	0.02%	0.02%
600	6,000,000	760,979.57	760,979.57	0.12683	0.12683	761,159.57	761,159.57	0.12686	0.12686		180.00	180.00	0.02%	0.02%
									20,000	kw				
200	4,000,000	549,815.17	549,815.17	0.13745	0.13745	549,935.17	549,935.17	0.13748	0.13748		120.00	120.00	0.02%	0.02%
300	6,000,000	792,567.57	792,567.57	0.13209	0.13209	792,747.57	792,747.57	0.13212	0.13212		180.00	180.00	0.02%	0.02%
400	8,000,000	1,035,319.97	1,035,319.97	0.12941	0.12941	1.035.559.97	1,035,559.97	0.12944	0.12944		240.00	240.00	0.02%	0.02%
500	10,000,000	1,278,072.37	1,278,072.37	0.12781	0.12781	1,278,372.37	1,278,372.37		0.12784		300.00	300.00	0.02%	0.02%
600	12,000,000	1,520,824.77	1,520,824.77	0.12674	0.12674	1,521,184.77	1,521,184.77		0.12677		360.00	360.00	0.02%	0.02%
									00.000	10101				
000	0.000.000	004 455 57	00445557	0.40700	0.40700	201 205 57	201 205 57	0.40700	30,000	KW	100.00	400.00	0.000/	0.000/
200	6,000,000	824,155.57	824,155.57	0.13736	0.13736	824,335.57	824,335.57	0.13739	0.13739		180.00	180.00	0.02%	0.02%
300	9,000,000	1,188,284.17	1,188,284.17	0.13203	0.13203	1,188,554.17	1,188,554.17	0.13206	0.13206		270.00	270.00	0.02%	0.02%
400	12,000,000	1,552,412.77	1,552,412.77	0.12937	0.12937	1,552,772.77	1,552,772.77		0.12940		360.00	360.00	0.02%	0.02%
500	15,000,000	1,916,541.37	1,916,541.37	0.12777	0.12777	1,916,991.37	1,916,991.37	0.12780	0.12780		450.00	450.00	0.02%	0.02%
600	18,000,000	2,280,669.97	2,280,669.97	0.12670	0.12670	2,281,209.97	2,281,209.97	0.12673	0.12673		540.00	540.00	0.02%	0.02%
									40,000	KW				
200	8,000,000	1,098,495.97	1,098,495.97	0.13731	0.13731	1,098,735.97	1,098,735.97	0.13734	0.13734		240.00	240.00	0.02%	0.02%
300	12,000,000	1,584,000.77	1,584,000.77	0.13200	0.13200	1,584,360.77	1,584,360.77	0.13203	0.13203		360.00	360.00	0.02%	0.02%
400	16,000,000	2,069,505.57	2,069,505.57	0.12934	0.12934	2,069,985.57	2,069,985.57	0.12937	0.12937		480.00	480.00	0.02%	0.02%
500	20,000,000	2,555,010.37	2,555,010.37	0.12775	0.12775	2,555,610.37	2,555,610.37	0.12778	0.12778		600.00	600.00	0.02%	0.02%
600	24,000,000	3,040,515.17	3,040,515.17	0.12669	0.12669	3,041,235.17	3,041,235.17	0.12672	0.12672		720.00	720.00	0.02%	0.02%
KWH	H DISTRIBUTION							PRESENT				PROPOSED		
		ON PK	INT	OFF PK										
200 I	HOURS USE =	31%	29%	40%				SUMMER	WINTER			SUMMER	WINTER	
300 I	HOURS USE =	33%	27%	40%			CUSTOMER	1134.37	1134.37		CUSTOMER	1134.37	1134.37	
	HOURS USE =	30%	26%	44%			DEMAND (kW)				DEMAND (kW)		10000000	
500 I	HOURS USE =	27%	25%	48%			On Peak	1.0636	1.0636		On Peak	1.0636	1.0636	
600 I	HOURS USE =	25%	24%	51%			Maximum	2.0952	2.0952		Maximum	2.0952	2.0952	
							ENERGY (kWh				ENERGY (kWh)			
							On Peak	0.10790	0.10790		On Peak	0.10790	0.10790	
							Int Peak	0.10790	0.10790		Int Peak	0.10790	0.10790	
							Off Peak	0.10790	0.10790		Off Peak	0.10790	0.10790	r
							SURCHARGE		0.01348		SURCHARGES		0.01351	

J. F. JANOCHA
Direct Exhibit
DC P.S.C. -- July, 2017

Introduced as: PEPCO _____ (C) - 5

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND PROJECT CHARGE - YEAR 2 SCHEDULE "R"

DISTRICT OF COLUMBIA

	PF	RESENT SCH	HEDULE R			PROPOSED	SCHEDULE R	INCREASE						
KWH	\$ AMOUN	T OF BILL	\$/K	WH	\$ AMOUN	T OF BILL	\$/KW	H	(\$)	(\$)	(%)	(%)	(\$)	(%)
	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	ANNUAL	ANNUAL
0	15.21	15.40	-	-	15.21	15.40	-	-	0.00	0.00	0.00%	0.00%	0.00	0.00%
10	15.39		1.53900		15.39	15.58	1.53900	1.55800	0.00	0.00	0.00%	0.00%	0.00	0.00%
20	15.57		0.77850		15.57	15.76	0.77850	0.78800	0.00	0.00	0.00%	0.00%	0.00	0.00%
30	15.75		0.52500		15.75	15.94	0.52500	0.53133	0.00	0.00	0.00%	0.00%	0.00	0.00%
40	16.75	16.94	0.41875	0.42350	16.75	16.94	0.41875	0.42350	0.00	0.00	0.00%	0.00%	0.00	0.00%
50	17.76	17.95	0.35520	0.35900	17.76	17.95	0.35520	0.35900	0.00	0.00	0.00%	0.00%	0.00	0.00%
100	22.78	22.97	0.22780	0.22970	22.78	22.97	0.22780	0.22970	0.00	0.00	0.00%	0.00%	0.00	0.00%
200	32.82	33.01	0.16410	0.16505	32.84	33.03	0.16420	0.16515	0.02	0.02	0.06%	0.06%	0.02	0.06%
300	42.86	43.05	0.14287	0.14350	42.89	43.08	0.14297	0.14360	0.03	0.03	0.07%	0.07%	0.03	0.07%
400	52.91	53.10	0.13228	0.13275	52.94	53.13	0.13235	0.13283	0.03	0.03	0.06%	0.06%	0.03	0.06%
500	64.36	63.89	0.12872	0.12778	64.40	63.93	0.12880	0.12786	0.04	0.04	0.06%	0.06%	0.04	0.06%
600	75.81	74.69	0.12635	0.12448	75.86	74.74	0.12643	0.12457	0.05	0.05	0.07%	0.07%	0.05	0.07%
700	87.26	9E 40	0.12466	0 12212	87.31	85.54	0.12473	0.12220	0.05	0.05	0.06%	0.06%	0.05	0.06%
750	92.98		0.12397		93.04	90.94	0.12475	0.12125	0.06	0.06	0.06%	0.00%	0.05	0.07%
800	98.71		0.12337		98.77	96.35	0.12346	0.12123	0.06	0.07	0.06%	0.07%	0.00	0.07%
850	104.43		0.12339		104.50	101.75	0.12294	0.12044	0.00	0.07	0.07%	0.07%	0.07	0.07%
900	110.16		0.12240		110.23	107.15	0.12248	0.11906	0.07	0.07	0.06%	0.07%	0.07	0.06%
	115.88		0.12198		115.96	112.55	0.12248	0.11847	0.08	0.07	0.07%	0.06%	0.07	0.07%
950	115.00	112.40	0.12190	0.11040	115.90	112.55	0.12206	0.11047	0.00	0.07	0.07 %	0.00%	0.07	0.07 /8
1,000	121.61	117.88	0.12161	0.11788	121.69	117.96	0.12169	0.11796	0.08	0.08	0.07%	0.07%	0.08	0.07%
1,250	150.24	144.87	0.12019	0.11590	150.34	144.97	0.12027	0.11598	0.10	0.10	0.07%	0.07%	0.10	0.07%
1,500	178.86	171.86	0.11924	0.11457	178.98	171.98	0.11932	0.11465	0.12	0.12	0.07%	0.07%	0.12	0.07%
1,750	207.49	198.85	0.11857	0.11363	207.63	198.99	0.11865	0.11371	0.14	0.14	0.07%	0.07%	0.14	0.07%
2,000	236.11	225.84	0.11806	0.11292	236.27	226.00	0.11814	0.11300	0.16	0.16	0.07%	0.07%	0.16	0.07%
2,250	264.74	252.83	0.11766	0.11237	264.92	253.01	0.11774	0.11245	0.18	0.18	0.07%	0.07%	0.18	0.07%
2,500	293.37	279 82	0.11735	0.11193	293.57	280.02	0.11743	0.11201	0.20	0.20	0.07%	0.07%	0.20	0.07%
3,000	350.62		0.11687		350.86	334.04	0.11695	0.11135	0.24	0.24	0.07%	0.07%	0.24	0.07%
3,500	407.87		0.11653		408.15	388.07	0.11661	0.11088	0.28	0.28	0.07%	0.07%	0.28	0.07%
4,000	465.12		0.11628		465.44	442.09	0.11636	0.11052	0.32	0.32	0.07%	0.07%	0.32	0.07%
5,000	579.63		0.11593		580.03	550.13	0.11601	0.11003	0.40	0.40	0.07%	0.07%	0.40	0.07%
5,000	313.03	J -1 3.13	0.11000	0.10993	300.03	550.15	0.11001	0.11003	0.40	0.70	0.07 70	0.0176	0.40	0.01 /0

	PRESI	ENT	PROF	POSED
BLOCK	SUMMER	WINTER	SUMMER	WINTER
Customer & Minimum				
Charges	15.44	15.63	15.44	15.63
Next 370 kWh	0.09014	0.09014	0.09014	0.09014
Excess kWh	0.10421	0.09767	0.10421	0.09767
Surcharges	0.01030	0.01030	0.01038	0.01038

^{*} Includes Distribution Customer Charge, Generation Minimum Charge and Transmission Minimum Charge (Distribution Customer Charge includes the first 30 kWh of consumption at the initial block of volumetric rate)

POTOMAC ELECTRIC POWER COMPANY **BILL IMPACTS - UNDERGROUND PROJECT CHARGE - YEAR 2** SCHEDULE "AE"

DISTRICT OF COLUMBIA

	PRE	SENT SCH	HEDULE A	E	PROPOSED SCHEDULE AE			INCREASE						
KWH	\$ AMOUNT	OF BILL	\$/K	WH	\$ AMOUN	T OF BILL	\$/K\	WH	(\$)	(\$)	(%)	(%)	(\$)	(%)
	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER \	WINTER	ANNUAL	ANNUAL
0	15.18	15.33	-	-	15.18	15.33	-	-	0.00	0.00	0.00%	0.00%	0.00	0.00%
10	15.34	15.49	1.53400	1.54900	15.34	15.49	1.53400		0.00	0.00	0.00%	0.00%	0.00	0.00%
20	15.51	15.66		0.78300	15.51	15.66	0.77550	0.78300	0.00	0.00	0.00%	0.00%	0.00	0.00%
30	15.67	15.82		0.52733	15.67	15.82	0.52233	0.52733	0.00	0.00	0.00%	0.00%	0.00	0.00%
40	16.56	16.76	0.41400		16.56	16.77	0.41400	0.41925	0.00	0.01	0.00%	0.06%	0.01	0.03%
50	17.45	17.71	0.34900	0.35420	17.46	17.71	0.34920	0.35420	0.01	0.00	0.06%	0.00%	0.00	0.02%
400	04.00	00.40	0.04000	0.00400	04.00	00.40	0.04000	0.00400	0.00	0.00	0.000/	0.000/	0.00	0.000/
100	21.92	22.43	0.21920		21.92	22.43	0.21920	0.22430	0.00	0.00	0.00%	0.00%	0.00	0.00%
200	30.84	31.87	0.15420		30.85	31.88	0.15425	0.15940	0.01	0.01	0.03%	0.03%	0.01	0.03%
300	39.76	41.31	0.13253		39.78	41.33	0.13260	0.13777	0.02	0.02	0.05%	0.05%	0.02	0.05%
400	48.68	50.75	0.12170		48.71	50.78	0.12178	0.12695	0.03	0.03	0.06%	0.06%	0.03	0.06%
500	59.18	60.71	0.11836		59.21	60.74 70.70	0.11842 0.11618		0.03	0.03 0.03	0.05% 0.06%	0.05% 0.04%	0.03	0.05% 0.05%
600	69.67	70.07	0.11612	0.11778	69.71	70.70	0.11010	0.11/63	0.04	0.03	0.06%	0.04%	0.03	0.05%
700	80.17	80.63	0.11453	0.11519	80.21	80.67	0.11459	0 11524	0.04	0.04	0.05%	0.05%	0.04	0.05%
750	85.42	85.60		0.11413	85.46	85.65	0.11395		0.04	0.05	0.05%	0.06%	0.05	0.05%
800	90.67	90.58	0.11334		90.71	90.63	0.11339	0.11329	0.04	0.05	0.04%	0.06%	0.05	0.05%
850	95.91	95.56		0.11242	95.96	95.61	0.11289	0.11248	0.05	0.05	0.05%	0.05%	0.05	0.05%
900	101.16	100.54	0.11240		101.22	100.60	0.11247		0.06	0.06	0.06%	0.06%	0.06	0.06%
950	106.41	105.52	0.11201		106.47	105.58	0.11207		0.06	0.06	0.06%	0.06%	0.06	0.06%
1,000	111.66	110.50	0.11166	0.11050	111.72	110.56	0.11172	0.11056	0.06	0.06	0.05%	0.05%	0.06	0.05%
1,250	137.90	135.39	0.11032	0.10831	137.97	135.47	0.11038	0.10838	0.07	0.08	0.05%	0.06%	0.08	0.06%
1,500	164.14	160.29	0.10943	0.10686	164.23	160.38	0.10949	0.10692	0.09	0.09	0.05%	0.06%	0.09	0.06%
1,750	190.38	185.18	0.10879	0.10582	190.48	185.29	0.10885	0.10588	0.10	0.11	0.05%	0.06%	0.11	0.06%
2,000	216.62	210.08	0.10831	0.10504	216.74	210.20	0.10837	0.10510	0.12	0.12	0.06%	0.06%	0.12	0.06%
2,250	242.86	234.97	0.10794	0.10443	242.99	235.11	0.10800	0.10449	0.13	0.14	0.05%	0.06%	0.14	0.06%
2,500	269.10	259.87		0.10395	269.25	260.02	0.10770	0.10401	0.15	0.15	0.06%	0.06%	0.15	0.06%
3,000	321.58	309.66		0.10322	321.76	309.84	0.10725	0.10328	0.18	0.18	0.06%	0.06%	0.18	0.06%
3,500	374.06	359.45		0.10270	374.27	359.66	0.10693		0.21	0.21	0.06%	0.06%	0.21	0.06%
4,000	426.54	409.24		0.10231	426.78	409.48	0.10670	0.10237	0.24	0.24	0.06%	0.06%	0.24	0.06%
5,000	531.49	508.82	0.10630	0.10176	531.79	509.12	0.10636	0.10182	0.30	0.30	0.06%	0.06%	0.30	0.06%

	PRE	SENT	PROPOSED			
BLOCK	SUMMER	WINTER	SUMMER	WINTER		
*						
Customer & Minimur	n					
Charges	15.43	15.58	15.43	15.58		
Next 370 kWh	0.08112	0.08631	0.08112	0.08631		
Excess kWh	0.09686	0.09148	0.09686	0.09148		
Surcharges	0.00810	0.00810	0.00816	0.00816		

^{*} Includes Distribution Customer Charge, Generation Minimum Charge and Transmission Minimum Charge (Distribution Customer Charge includes the first 30 kWh of consumption at the initial block of volumetric rate)

POTOMAC ELECTRIC POWER COMPANY **BILL IMPACTS - UNDERGROUND PROJECT CHARGE - YEAR 2** SCHEDULE "RTM" DISTRICT OF COLUMBIA

PRESENT R-TM						PROPOSE	ED R-TM		INCREASE						
KWH	\$ AMOUNT			WH	\$ AMOUN			WH	(\$)	(\$)	(%)	(%)	(\$)	(%)	
N. VIII	SUMMER		SUMMER		SUMMER	WINTER	SUMMER		SUMMER	WINTER		WINTER	ANNUAL		
1,000	150.58		0.15058		150.84	156.44	0.15084	0.15644	0.26	0.26	0.17%	0.17%	0.26	0.17%	
1,500	217.11		0.14474		217.50	225.91	0.14500	0.15061	0.39	0.39	0.18%	0.17%	0.39	0.18%	
2,000	283.64		0.14182		284.16	295.37	0.14208	0.14769	0.52	0.52	0.18%	0.18%	0.52	0.18%	
2,500	350.16	364.18		0.14567	350.81	364.83	0.14032	0.14593	0.65	0.65	0.19%		0.65	0.18%	
3,000	416.69	433.51	0.13890		417.47	434.29	0.13916	0.14476	0.78	0.78	0.19%		0.78	0.18%	
3,500	483.22	502.85	0.13806	0.14367	484.13	503.76	0.13832	0.14393	0.91	0.91	0.19%	0.18%	0.91	0.18%	
4,000	549.75	572.18	0.13744	0.14305	550.79	573.22	0.13770	0.14331	1.04	1.04	0.19%	0.18%	1.04	0.18%	
4,500	616.28	641.51		0.14256	617.45	642.68	0.13721	0.14282	1.17	1.17	0.19%		1.17	0.19%	
5,000	682.81	710.84		0.14217	684.11	712.14	0.13682	0.14243	1.30	1.30	0.19%		1.30	0.19%	
5,500	749.34	780.17		0.14217	750.77	781.60	0.13650	0.14243	1.43	1.43	0.19%	0.18%	1.43	0.19%	
	815.87	849.51		0.14159		851.07	0.13624	0.14211	1.56	1.56	0.19%		1.56	0.19%	
6,000			0.13598		817.43										
6,500	882.40	918.84	0.13575	0.14136	884.09	920.53	0.13601	0.14162	1.69	1.69	0.19%	0.18%	1.69	0.19%	
7,000	948.92	988.17	0.13556	0.14117	950.74	989.99	0.13582	0.14143	1.82	1.82	0.19%	0.18%	1.82	0.19%	
7,500	1,015.45	1,057.50	0.13539	0.14100	1,017.40	1,059.45	0.13565	0.14126	1.95	1.95	0.19%	0.18%	1.95	0.19%	
8,000	1,081.98	1,126.83	0.13525	0.14085	1,084.06	1,128.91	0.13551	0.14111	2.08	2.08	0.19%	0.18%	2.08	0.19%	
8,500	1,148.51	1.196.17	0.13512	0.14073	1,150.72	1,198.38	0.13538	0.14099	2.21	2.21	0.19%	0.18%	2.21	0.19%	
9,000	1,215.04		0.13500		1,217.38	1,267.84	0.13526	0.14087	2.34	2.34	0.19%		2.34	0.19%	
9,500	1,281.57		0.13490		1,284.04	1,337.30	0.13516	0.14077	2.47	2.47	0.19%		2.47	0.19%	
40.000	1 0 10 10	4 40 4 40	0.40404	0.44040	4.050.70	4 400 70	0.40507	0.44000	0.00	0.00	0.403/	0.400/	0.00	0.400/	
10,000	1,348.10	1,404.16			1,350.70	1,406.76	0.13507	0.14068	2.60	2.60	0.19%		2.60	0.19%	
11,000	1,481.16	1,542.83			1,484.02	1,545.69	0.13491	0.14052	2.86	2.86	0.19%		2.86	0.19%	
12,000	1,614.21	1,681.49			1,617.33	1,684.61	0.13478	0.14038	3.12	3.12	0.19%		3.12	0.19%	
13,000	1,747.27		0.13441		1,750.65	1,823.54	0.13467	0.14027	3.38	3.38	0.19%		3.38	0.19%	
14,000	1,880.33	1,958.82			1,883.97	1,962.46	0.13457	0.14018	3.64	3.64	0.19%		3.64	0.19%	
15,000	2,013.39	2,097.49	0.13423	0.13983	2,017.29	2,101.39	0.13449	0.14009	3.90	3.90	0.19%	0.19%	3.90	0.19%	
17,500	2,346.03	2,444.15	0.13406	0.13967	2,350.58	2,448.70	0.13432	0.13993	4.55	4.55	0.19%	0.19%	4.55	0.19%	
20,000	2,678.68	2,790.81	0.13393	0.13954	2,683.88	2,796.01	0.13419	0.13980	5.20	5.20	0.19%	0.19%	5.20	0.19%	
22,500	3,011.32		0.13384		3,017.17	3,143.32	0.13410	0.13970	5.85	5.85	0.19%		5.85	0.19%	
25,000	3,343.97	The state of the s	0.13376		3,350.47	3,490.63	0.13402	0.13963	6.50	6.50	0.19%		6.50	0.19%	
KWH DISTF	DIDUTION							PRESENT			PROPOSED				
KVII DISTR	RIBOTION	ON PK	INT	OFF PK				FRESENT			PROPOSED				
ALL SUMMER	HOURS USE =	29%					1	SUMMER	WINTER		SUMMER	WINTER			
	HOURS USE =						CUSTOMER	17.52	17.52	CUSTOMER	17.52	17.52			
				22.0			ENERGY (kWh			ENERGY (kWh)	2				
							On Peak	0.12905	0.12810	On Peak	0.12905	0.12810			
							Intermediate	0.12305	0.12706	Intermediate		0.12706			
							Off Peak	0.11474	0.12700	Off Peak		0.12373			
							Surcharges	0.01314	0.01314	Surcharges		0.01340			
							Suicharges	0.01314	0.01314	Suicharges	0.01340	0.01340			

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND PROJECT CHARGE - YEAR 2

SCHEDULE "GS ND"

DISTRICT OF COLUMBIA

2.0	_0	DDE05::-	00 110			BB0B00E5	00 ND		INCDEASE							
	_	PRESENT				PROPOSED	GS_ND	_			INCREASI					
KWH	\$ AMOUNT		100000000000000000000000000000000000000	WH	10.4 STANFOLD OF THE STANFOLD	IT OF BILL	\$/KWH		(\$)	(\$)	(%)	(%)	(\$)	(%)		
	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	ANNUAL	ANNUAL		
0	23.39	23.39	_	-	23.39	23.39	-	-	0.00	0.00	0.00%	0.00%	0.00	0.00%		
10	24.51	24.49	2.45100	2.44900	24.51	24.49	2.45100	2.44900	0.00	0.00	0.00%	0.00%	0.00	0.00%		
20	25.63	25.59	1.28150	1.27950	25.64	25.59	1.28200	1.27950	0.01	0.00	0.04%	0.00%	0.00	0.02%		
30	26.76	26.69	0.89200	0.88967	26.76	26.70	0.89200	0.89000	0.00	0.01	0.00%	0.04%	0.01	0.02%		
40	27.88	27.79	0.69700	0.69475	27.88	27.80	0.69700	0.69500	0.00	0.01	0.00%	0.04%	0.01	0.02%		
50	29.00	28.89	0.58000	0.57780	29.01	28.90	0.58020	0.57800	0.01	0.01	0.03%	0.03%	0.01	0.03%		
100	34.61	34.40	0.34610	0.34400	34.62	34.41	0.34620	0.34410	0.01	0.01	0.03%	0.03%	0.01	0.03%		
150	40.22	39.90	0.26813	0.26600	40.24	39.93	0.26827	0.26620	0.02	0.03	0.05%	0.08%	0.03	0.06%		
200	45.83	45.41	0.22915	0.22705	45.86	45.44	0.22930	0.22720	0.03	0.03	0.07%	0.07%	0.03	0.07%		
250	51.44	50.91	0.20576	0.20364	51.48	50.95	0.20592	0.20380	0.04	0.04	0.08%	0.08%	0.04	0.08%		
300	57.04	56.41	0.19013	0.18803	57.09	56.46	0.19030	0.18820	0.05	0.05	0.09%	0.09%	0.05	0.09%		
400	68.26	67.42	0.17065	0.16855	68.33	67.49	0.17083	0.16873	0.07	0.07	0.10%	0.10%	0.07	0.10%		
500	79.48	78.43	0.15896	0.15686	79.56	78.51	0.15912	0.15702	0.08	0.08	0.10%	0.10%	0.08	0.10%		
600	90.70	89.44	0.15117	0.14907	90.80	89.54	0.15133	0.14923	0.10	0.10	0.11%	0.11%	0.10	0.11%		
700	101.92	100.45	0.14560	0.14350	102.03	100.56	0.14576	0.14366	0.11	0.11	0.11%	0.11%	0.11	0.11%		
800	113.14	111.46	0.14143	0.13933	113.26	111.58	0.14158	0.13948	0.12	0.12	0.11%	0.11%	0.12	0.11%		
900	124.35	122.46	0.13817	0.13607	124.50	122.61	0.13833	0.13623	0.15	0.15	0.12%	0.12%	0.15	0.12%		
1,000	135.57	133.47	0.13557	0.13347	135.73	133.63	0.13573	0.13363	0.16	0.16	0.12%	0.12%	0.16	0.12%		
1,250	163.62	160.99	0.13090	0.12879	163.82	161.19	0.13106	0.12895	0.20	0.20	0.12%	0.12%	0.20	0.12%		
1,500	191.66	188.51	0.12777	0.12567	191.90	188.75	0.12793	0.12583	0.24	0.24	0.13%	0.13%	0.24	0.13%		
1,750	219.71	216.03	0.12555	0.12345	219.99	216.31	0.12571	0.12361	0.28	0.28	0.13%	0.13%	0.28	0.13%		
2,000	247.75	243.55	0.12388	0.12178	248.07	243.87	0.12404	0.12194	0.32	0.32	0.13%	0.13%	0.32	0.13%		
2,500	303.84	298.59	0.12154	0.11944	304.24	298.99	0.12170	0.11960	0.40	0.40	0.13%	0.13%	0.40	0.13%		
3,000	359.94	353.64		0.11788	360.42	354.12	0.12014	0.11804	0.48	0.48	0.13%		0.48	0.13%		
3,500	416.03	408.68	0.11887	0.11677	416.59	409.24	0.11903	0.11693	0.56	0.56	0.13%	0.14%	0.56	0.14%		
4,000	472.12	463.72	0.11803	0.11593	472.76	464.36	0.11819	0.11609	0.64	0.64	0.14%	0.14%	0.64	0.14%		
5,000	584.30	573.80		0.11476	585.10	574.60		0.11492	0.80	0.80	0.14%			0.14%		
6,000	696.48	683.88	0.11608	0.11398	697.44	684.84	0.11624	0.11414	0.96	0.96	0.14%	0.14%	0.96	0.14%		
									PRE	SENT	PROPO	DSED				
									SUMMER	WINTER	SUMMER	WINTER				
							CUSTOMER		23.39	23.39	23.39	23.39				

ENERGY (kWh) All Kilowatt-hours

Surcharges

0.10888

0.003302

0.10678

0.003302

0.10888 0.10678

0.003462 0.003462

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND PROJECT CHARGE - YEAR 2 SCHEDULE "GS D LV"

SCHEDULE "GS D LV"
DISTRICT OF COLUMBIA

			PRESENT	GS_D_LV			PROPOSED GS_D_LV					INCRE	ASE	
KW	Hours Use	KWH	\$ AMOUN	T OF BILL	\$/K	WH	\$ AMOUNT	OF BILL	\$/KWI	1	(\$)	(\$)	(%)	(%)
			SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER
1	0 100	1000	195.07	192.48	0.19507	0.19248	195.38	192.79	0.19538	0.19279	0.31	0.31	0.16%	0.16%
	200	2000	317.74	312.56	0.15887	0.15628	318.36	313.18	0.15918	0.15659	0.62	0.62	0.20%	0.20%
	300	3000	440.40	432.63	0.14680	0.14421	441.33	433.56	0.14711	0.14452	0.93	0.93	0.21%	0.21%
	400	4000	563.06	552.70	0.14077	0.13818	564.30	553.94	0.14108	0.13849	1.24	1.24	0.22%	0.22%
	500	5000	685.73	672.78	0.13715	0.13456	687.28	674.33	0.13746	0.13487	1.55	1.55	0.23%	0.23%
	600	6000	808.39	792.85	0.13473	0.13214	810.25	794.71	0.13504	0.13245	1.86	1.86	0.23%	0.23%
2	5 100	2,500	447.02	440.54		0.17622	447.79	441.32		0.17653	0.77	0.78	0.17%	0.18%
	200	5,000	753.68	740.73	0.15074		755.23	742.28		0.14846	1.55	1.55	0.21%	0.21%
	300	7,500	1,060.33	1,040.91	0.14138		1,062.66	1,043.23		0.13910	2.33	2.32	0.22%	0.22%
	400	10,000	1,366.99	1,341.09	0.13670	0.13411	1,370.09	1,344.19		0.13442	3.10	3.10	0.23%	0.23%
	500	12,500	1,673.65	1,641.28	0.13389		1,677.52	1,645.15		0.13161	3.87	3.87	0.23%	0.24%
	600	15,000	1,980.31	1,941.46	0.13202	0.12943	1,984.96	1,946.11	0.13233	0.12974	4.65	4.65	0.23%	0.24%
									and the second second		4000			
5	0 100	2 6-4 4 1220 25 1-143	866.93	853.98	0.17339		868.48	855.53		0.17111	1.55	1.55	0.18%	0.18%
		10,000	1,480.24	1,454.34	0.14802		1,483.34	1,457.44		0.14574	3.10	3.10	0.21%	0.21%
		15,000	2,093.56	2,054.71	0.13957		2,098.21	2,059.36		0.13729	4.65	4.65	0.22%	0.23%
		20,000	2,706.87	2,655.07	0.13534		2,713.07	2,661.27		0.13306	6.20	6.20	0.23%	0.23%
		25,000	3,320.19	3,255.44	0.13281		3,327.94	3,263.19		0.13053	7.75	7.75	0.23%	0.24%
	600	30,000	3,933.51	3,855.81	0.13112	0.12853	3,942.81	3,865.11	0.13143	0.12884	9.30	9.30	0.24%	0.24%
													0.4004	0.100/
7	5 100		1,286.83	1,267.41	0.17158		1,289.16	1,269.73		0.16930	2.33	2.32	0.18%	0.18%
		15,000	2,206.81	2,167.96	0.14712		2,211.46	2,172.61		0.14484	4.65	4.65	0.21%	0.21%
		22,500	3,126.78	3,068.51	0.13897		3,133.76	3,075.48		0.13669	6.98	6.97	0.22%	0.23%
		30,000	4,046.76	3,969.06	0.13489		4,056.06	3,978.36		0.13261	9.30	9.30	0.23%	0.23%
		37,500	4,966.73	4,869.60		0.12986	4,978.36	4,881.23	7200 1700 1700 1700	0.13017	11.63	11.63	0.23%	0.24%
	600	45,000	5,886.70	5,770.15	0.13082	0.12823	5,900.65	5,784.10	0.13113	0.12854	13.95	13.95	0.24%	0.24%

PRES	SENT	PROPO	DSED
SUMMER	WINTER	SUMMER	WINTER
27.11	27.11	27.11	27.11
0.11520	0.11261	0.11520	0.11261
0.11520	0.11261	0.11520	0.11261
0.0074632	0.0074632	0.007773	0.0077732
4.53	4.53	4.53	4.53
	SUMMER 27.11 0.11520 0.11520 0.0074632	27.11 27.11 0.11520 0.11261 0.11520 0.11261 0.0074632 0.0074632	SUMMER WINTER SUMMER 27.11 27.11 27.11 0.11520 0.11261 0.11520 0.11520 0.11261 0.11520 0.0074632 0.0074632 0.007773

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND PROJECT CHARGE - YEAR 2 SCHEDULE "GT LV" DISTRICT OF COLUMBIA

HOURS PRESENT 'GT-LV'				PROPOSED 'GT- LV'				INCREASE						
USE	KWH	\$ AMOUN	T OF BILL	\$/K	WH	\$ AMOU	NT OF BILL	\$/K	WH		(\$)	(\$)	(%)	(%)
		SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER		SUMMER		SUMMER	WINTER
							ND ON PEAK DE		100	KW				
200	20,000	3,349.51		0.16748		3,353.31	3,357.41		0.16787		3.80	3.80	0.11%	0.11%
300	30,000	4,272.36	4,329.68		0.14432	4,278.06	4,335.38	0.14260	0.14451		5.70	5.70	0.13%	0.13%
400	40,000	5,164.13	5,298.09		0.13245	5,171.73	5,305.69	0.12929	0.13264		7.60	7.60	0.15%	0.14%
500	50,000	6,043.00	6,262.77			6,052.50	6,272.27	0.12105	0.12545		9.50	9.50	0.16%	0.15%
600	60,000	6,920.61	7,226.58	0.11534	0.12044	6,932.01	7,237.98	0.11553	0.12063		11.40	11.40	0.16%	0.16%
									100 (100 (100 (100 (100 (100 (100 (100					
-	learne ster								300	KW				
200	60,000	9,290.46	9,302.77		0.15505	9,301.86	9,314.17	0.15503	0.15524		11.40	11.40	0.12%	0.12%
300	90,000	12,059.00	12,230.96		0.13590	12,076.10	12,248.06	0.13418	0.13609		17.10	17.10	0.14%	0.14%
400	120,000	14,734.32	15,136.21		0.12614	14,757.12	15,159.01	0.12298	0.12633		22.80	22.80	0.15%	0.15%
500	150,000	17,370.93		0.11581	0.12020	17,399.43	18,058.74	0.11600	0.12039		28.50	28.50	0.16%	0.16%
600	180,000	20,003.77	20,921.66	0.11113	0.11623	20,037.97	20,955.86	0.11132	0.11642		34.20	34.20	0.17%	0.16%
									500	KW	- 100 Mar 100 Mar.			
200	100,000	15,231.40		0.15231	0.15252	15,250.40	15,270.93	0.15250	0.15271		19.00	19.00	0.12%	0.12%
300	150,000	19,845.64	20,132.25			19,874.14	20,160.75	0.13249	0.13441		28.50	28.50	0.14%	0.14%
400	200,000	24,304.51	24,974.32			24,342.51	25,012.32	0.12171	0.12506		38.00	38.00	0.16%	0.15%
500	250,000	28,698.86	29,797.71			28,746.36	29,845.21	0.11499	0.11938		47.50	47.50	0.17%	0.16%
600	300,000	33,086.93	34,616.74	0.11029	0.11539	33,143.93	34,673.74	0.11048	0.11558		57.00	57.00	0.17%	0.16%
(2020)									1,000	KW				
200	200,000	30,083.77		0.15042		30,121.77	30,162.83	0.15061	0.15081		38.00	38.00	0.13%	0.13%
300	300,000	39,312.24	39,885.46		0.13295	39,369.24	39,942.46	0.13123	0.13314		57.00	57.00	0.14%	0.14%
400	400,000	48,229.99	49,569.61		0.12392	48,305.99	49,645.61	0.12076	0.12411		76.00	76.00	0.16%	0.15%
500	500,000	57,018.68	59,216.38		0.11843	57,113.68	59,311.38	0.11423	0.11862		95.00	95.00	0.17%	0.16%
600	600,000	65,794.83	68,854.45	0.10966	0.11476	65,908.83	68,968.45	0.10985	0.11495		114.00	114.00	0.17%	0.17%
10.44.1	DIOTRIBLITION							DDECENT				DDODOGED		
KWH	DISTRIBUTION	ON DIC	INIT	OFF DV				PRESENT				PROPOSED		
200	HOUDCHCE -		INT	OFF PK				CLINANAED	VACINITED			CUMMED	MINITED	
	HOURS USE =	31%	29%	40%			CHOTOMED	SUMMER				SUMMER	WINTER	
	HOURS USE =	33%	27%	40%			CUSTOMER	379.03	379.03		CUSTOMER	379.03	379.03	
	HOURS USE =	30%	26%	44%			DEMAND (kW)	4.4750	0.0000		DEMAND (kW)	4 4750		
	HOURS USE =	27%	25%	48%			On Peak	1.1759	0.0000		On Peak	1.1759	0.0000	
600	HOURS USE =	25%	24%	51%			Maximum	10.2297	10.2297		Maximum	10.2297	10.2297	
							ENERGY (kWh)				ENERGY (kWh)			
							On Peak	0.08644	0.08298		On Peak	0.08644	Programme State of the Control of	
							Int Peak	0.07329	0.08255		Int Peak	0.07329	0.08255	
							Off Peak	0.06702	0.07820		Off Peak	0.06702	0.07820	
							SURCHARGES	0.01664	0.01664		SURCHARGES	0.01683	0.01683	

POTOMAC ELECTRIC POWER COMPANY
BILL IMPACTS - UNDERGROUND PROJECT CHARGE - YEAR 2
SCHEDULE "GT LV"
DISTRICT OF COLUMBIA

HOURS PRESENT 'GT-LV'			PROPOSED 'GT-LV'					INCREASE						
USE	KWH	\$ AMOUN	T OF BILL	\$/K	WH	\$ AMOU	INT OF BILL	\$/K	WH		(\$)	(\$)	(%)	(%)
		SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER		SUMMER		SUMMER	WINTER
						MAXIMUM A	ND ON PEAK DE	MAND =	2,000	KW				
200	400,000	59,788.51	59,870.63	0.14947	0.14968	59,864.51	59,946.63	0.14966	0.14987		76.00	76.00	0.13%	0.13%
300	600,000	78,245.45	79,391.89	0.13041	0.13232	78,359.45	79,505.89	0.13060	0.13251		114.00	114.00	0.15%	0.14%
400	800,000	96,080.95	98,760.19	0.12010	0.12345	96,232.95	98,912.19	0.12029	0.12364		152.00	152.00	0.16%	0.15%
500	1,000,000	113,658.33	118,053.73	0.11366	0.11805	113,848.33	118,243.73	0.11385	0.11824		190.00	190.00	0.17%	0.16%
600	1,200,000	131,210.63	137,329.87	0.10934	0.11444	131,438.63	137,557.87	0.10953	0.11463		228.00	228.00	0.17%	0.17%
									4,000	ĸw				
200	800,000	119,197.99	119,362.23	0.14900	0.14920	119,349.99	119,514.23	0.14919	0.14939		152.00	152.00	0.13%	0.13%
300		156,111.87	158,404.75	0.13009	0.13200	156,339.87	158,632.75	0.13028	0.13219		228.00	228.00	0.15%	0.14%
400		191,782.87	197,141.35		0.12321	192,086.87	197,445.35	0.12005	0.12340		304.00	304.00	0.16%	0.15%
500		226,937.63	235,728.43			227,317.63	236,108.43	0.11366	0.11805		380.00	380.00	0.17%	0.16%
600		262,042.23	274,280.71	0.10918		262,498.23	274,736.71	0.10937	0.11447		456.00	456.00	0.17%	0.17%
									6 000	KW				
200	1,200,000	178,607.47	178,853.83	0.14884	0.14904	178,835.47	179,081.83	0.14903	6,000 0.14923	LAN	228.00	228.00	0.13%	0.13%
300		233,978.29	237,417.61		0.13190	234,320.29	237,759.61	0.13018	0.14923		342.00	342.00	0.15%	0.13%
400		287,484.79	295,522.51		0.13190	287,940.79	295,978.51	0.13018	0.13209		456.00	456.00	0.15%	0.14%
500		340,216.93	353,403.13		0.12313	340,786.93	353,973.13	0.11360	0.12332		570.00	570.00	0.16%	0.15%
600		392,873.83	411,231.55			393,557.83	411,915.55	0.11360	0.11799		684.00	684.00	0.17%	0.16%
000	3,000,000	392,073.03	411,231.33	0.10313	0.11423	393,337.63	411,915.55	0.10932	0.11442		004.00	004.00	0.1770	0.1770
									8,000	KW				
200	1,600,000	238,016.95	238,345.43	0.14876	0.14897	238,320.95	238,649.43	0.14895	0.14916		304.00	304.00	0.13%	0.13%
300	2,400,000	311,844.71	316,430.47	0.12994	0.13185	312,300.71	316,886.47	0.13013	0.13204		456.00	456.00	0.15%	0.14%
400	3,200,000	383,186.71	393,903.67	0.11975	0.12309	383,794.71	394,511.67	0.11994	0.12328		608.00	608.00	0.16%	0.15%
500	4,000,000	453,496.23	471,077.83	0.11337	0.11777	454,256.23	471,837.83	0.11356	0.11796		760.00	760.00	0.17%	0.16%
600	4,800,000	523,705.43	548,182.39	0.10911	0.11420	524,617.43	549,094.39	0.10930	0.11439		912.00	912.00	0.17%	0.17%
KWH	DISTRIBUTION							PRESENT				PROPOSED		
-		ON PK	INT	OFF PK										
200	HOURS USE =	31%	29%	40%				SUMMER	WINTER			SUMMER	WINTER	
300	HOURS USE =	33%	27%	40%			CUSTOMER	379.03	379.03		CUSTOMER	379.03	379.03	
400	HOURS USE =	30%	26%	44%			DEMAND (kW)				DEMAND (kW)			
500	HOURS USE =	27%	25%	48%			On Peak	1.1759	0.0000		On Peak	1.1759	0.0000	
600	HOURS USE =	25%	24%	51%			Maximum	10.2297	10.2297		Maximum	10.2297	10.2297	
							ENERGY (kWh)				ENERGY (kWh)			
							On Peak	0.08644	0.08298		On Peak	0.08644	0.08298	
							Int Peak	0.07329	0.08255		Int Peak	0.07329	0.08255	
							Off Peak	0.06702	0.07820		Off Peak	0.06702	0.07820	
							SURCHARGES		0.01664		SURCHARGES		0.01683	

PEPCO (C)-5 Page 8 of 10

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND PROJECT CHARGE - YEAR 2 SCHEDULE "GT 3A" DISTRICT OF COLUMBIA

HOURS			PRESENT 'GT-3A' PROPOSED 'GT-3A'			INCREASE								
USE	KWH	\$ AMOUN	IT OF BILL	\$/K	WH	\$ AMOUI	NT OF BILL	\$/K	WH	-	(\$)	(\$)	(%)	(%)
		SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER		SUMMER	WINTER	SUMMER	
						MAYIMUM AN	D ON PEAK DEMA	AND -	1,000	KW				
200	200,000	24,599.37	24,513.69	0.12300	0.12257	24.621.37	24,535.69	0.12311	0.12268	LAA	22.00	22.00	0.09%	0.09%
300		32,776.44	33,146.38		0.12237	32,809.44	33,179.38	0.12311	0.12266		33.00	33.00	0.09%	0.10%
400		40,592.07	41,648.35		0.1043	40,636.07	41,692.35	0.10930	0.11000		44.00	44.00	0.10%	
500		48,255.48	50,088.78		0.10412	48,310.48	50,143.78	0.09662	0.10423		55.00	55.00	0.11%	0.11% 0.11%
600		55,902.21	58,516.69		0.09753	55,968.21	58,582.69	0.09862	0.10029					
000	000,000	33,902.21	30,310.09	0.09317	0.09755	55,966.21	30,302.09	0.09326	0.09704		66.00	66.00	0.12%	0.11%
									2,000	KW				
200		49,046.11	48,874.75		0.12219	49,090.11	48,918.75	0.12273	0.12230		44.00	44.00	0.09%	0.09%
300	600,000	65,400.25	66,140.13	0.10900	0.11023	65,466.25	66,206.13	0.10911	0.11034		66.00	66.00	0.10%	0.10%
400	800,000	81,031.51	83,144.07	0.10129	0.10393	81,119.51	83,232.07	0.10140	0.10404		88.00	88.00	0.11%	0.11%
500	1,000,000	96,358.33	100,024.93	0.09636	0.10002	96,468.33	100,134.93	0.09647	0.10013		110.00	110.00	0.11%	0.11%
600	1,200,000	111,651.79	116,880.75	0.09304	0.09740	111,783.79	117,012.75	0.09315	0.09751		132.00	132.00	0.12%	0.11%
									5,000	KW				
200	1,000,000	122,386.33	121,957.93	0.12239	0.12196	122,496.33	122,067.93	0.12250	0.12207	1444	110.00	110.00	0.09%	0.09%
300		163,271.68	165,121.38		0.11008	163,436.68	165,286.38	0.12230	0.12207		165.00	165.00	0.09%	0.09%
400		202,349.83	207,631.23		0.11000	202,569.83	207,851.23	0.10128	0.11013		220.00	220.00	0.10%	0.10%
500		240,666.88	249,833.38		0.09993	240,941.88	250,108.38	0.09638	0.10004		275.00	275.00	0.11%	0.11%
600	DE VALUE OF DEDUCTION AND ON	278,900.53	291,972.93		0.09732	279,230.53	292,302.93	0.09308	0.09743		330.00	330.00	0.11%	0.11%
000	3,000,000	270,300.33	231,312.33	0.03231	0.03732	219,230.33	292,502.95	0.09300	0.03743		330.00	330.00	0.1276	0.1176
									7,500	KW				
200	1,500,000	183,503.18	182,860.58	0.12234	0.12191	183,668.18	183,025.58	0.12245	0.12202		165.00	165.00	0.09%	0.09%
300	2,250,000	244,831.21	247,605.76	0.10881	0.11005	245,078.71	247,853.26	0.10892	0.11016		247.50	247.50	0.10%	0.10%
400	3,000,000	303,448.43	311,370.53	0.10115	0.10379	303,778.43	311,700.53	0.10126	0.10390		330.00	330.00	0.11%	0.11%
500	3,750,000	360,924.01	374,673.76	0.09625	0.09991	361,336.51	375,086.26	0.09636	0.10002		412.50	412.50	0.11%	0.11%
600	4,500,000	418,274.48	437,883.08	0.09295	0.09731	418,769.48	438,378.08	0.09306	0.09742		495.00	495.00	0.12%	0.11%
KWH	DISTRIBUTION							PRESENT		1	Г	PROPOSED		
	Biotrabotion	ON PK	INT	OFF PK				TREOLIVI		+		T NOT OOLD		
200	HOURS USE =	31%	29%	40%				SUMMER	WINTER			SUMMER	WINTER	
	HOURS USE =	33%	27%	40%			CUSTOMER	152.63	152.63	1	CUSTOMER	152.63	152.63	
	HOURS USE =	30%	26%	44%			DEMAND (kW)	102.00	102.00	1	DEMAND (kW)	132.03	152.05	
	HOURS USE =	27%	25%	48%			On Peak	1.1450	0.0000	1	On Peak	1.1450	0.0000	
	HOURS USE =	25%	24%	51%			Maximum	7.1186	7.1186	1	Maximum	7.1186	7.1186	
000	1100110 002	2070	2170	0170			ENERGY (kWh)	7.1100	7.1100	1	ENERGY (kWh)		7.1100	
							On Peak	0.07900	0.07495	1	On Peak	0.07900	0.07495	
							Int Peak	0.07300	0.07493	1	Int Peak	0.07900	0.07493	
							Off Peak	0.05641	0.06678	1	Off Peak	0.05641	0.07304	
							SURCHARGES		0.00078	1	SURCHARGES			
							JUNUNARGES	0.01508	0.01508		SUKUHAKGES	0.01519	0.01519	

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND PROJECT CHARGE - YEAR 2 SCHEDULE "GT 3A" DISTRICT OF COLUMBIA

S	HOURS			PRESENT 'G	Г-3А'		PROPOSED 'GT- 3A'						INCREASE		
SUMMER	USE	KWH	\$ AMOUN		\$/K	WH	\$ AMOUN	NT OF BILL	\$/K	WH.		(\$)			(%)
200			SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER				SUMMER	WINTER
200							MAXIMUM AN	D ON PEAK DEMA	AND =	10.000	KW				
300 3,000,000 326,389,73 30,000,13 0.10880 0.11003 326,720.73 303,420.13 0.10881 0.11014 330.00 330.00 0.10% 0.10% 0.10% 0.00% 400,000 0.146,1510.83 0.415,108.83 0.10125 0.10389 40.000 40.000 0.11% 0.11% 0.11% 0.000 6,000,000 481,181.13 499,514.13 0.09624 0.09890 481,731.13 500,094.13 0.09635 0.10001 550.00 550.00 0.11% 0.11% 0.11% 0.1000 650,000 0.000 657,648.43 583,783.23 0.09294 0.09730 558,308.43 584,453.23 0.09805 0.09741 660.00 660.00 0.000 0.000 0.000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.000000	200	2,000,000	244,620.03	243,763.23	0.12231	0.12188						220.00	220.00	0.09%	0.09%
400 4,000,000 404,647,03 415,108,83 0.10114 0.10378 40,987,03 415,549,83 0.10125 0.10389 440,00 440,00 0.11% 0.11% 0.11% 0.000 0.000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000 0.0000 0.0	300	3,000,000	326,390.73	330,090.13	0.10880	0.11003	326,720.73	330,420.13	0.10891	0.11014					
500 5,000,000 481,181.13 499,514.15 0.09624 0.09990 481,731.13 500,064.13 0.09635 0.10001 550,00 550,00 0.11% 0.11% 0.11% 0.11% 0.000,000	400	4,000,000	404,547.03	415,109.83	0.10114	0.10378	404,987.03	415,549.83	0.10125	0.10389		440.00		0.11%	
600 6,000,000 557,648.43 583,793.23 0,09294 0,09730 558,308.43 584,453.23 0,09305 0,09741 660,00 660,00 0,12% 0,11% 200 4,000,000 488,087.43 487,373.83 0,12227 0,12184 489,527.43 487,813.83 0,12238 0,12235 440,00 440,00 0,09% 0,09% 300 6,000,000 652,628.83 660,027.63 0,10877 0,11000 653,288.83 660,687.63 0,10886 0,11011 660,00 660,00 0,10% 0,10% 0,10% 400 8,000,000 962,209.63 98,875.63 0,09622 0,09989 963,309.63 99,9975.63 0,00833 0,1000 1,100.00 1,100.00 1,1100.00 0,11% 0,11	500	5,000,000	481,181.13	499,514.13	0.09624	0.09990	481,731.13								
200	600	6,000,000	557,648.43	583,793.23	0.09294	0.09730	558,308.43	584,453.23	0.09305	0.09741					
200										20.000	ĸw				
300	200	4.000.000	489.087.43	487 373 83	0.12227	0.12184	489 527 43	487 813 83	0.12238			440.00	440.00	0.09%	0.09%
400 8,000,000 808,941,43 830,67 03 0,10112 0,10376 809,821,43 830,947,03 0,10123 0,10387 880.00 880.00 0,11% 0,11% 0,11% 500 12,000,000 1,115,144,23 1,167,433.83 0,09622 0,09989 993,309,63 999,975,63 0,09633 0,10000 1,100.00 1,100.00 1,100.00 1,100.00 0,11%							The second of th	- constitution and the second							
500 10,000,000 982,209.63 988,875.63 0.09622 0.09989 983,309.63 999,975.63 0.09633 0.10000 1,100.00 1,100.00 0.11%															
600 12,000,000 1,115,144.23 1,167,433.83 0.0929 0.09729 1,116,464.23 1,168,753.83 0.0934 0.09740 1,320.00 1,320.00 0.12% 0.11% 200 6,000,000 733,554.83 730,984.43 0.12226 0.12183 734,214.83 731,644.43 0.12237 0.12194 660.00 660.00 0.09% 0.09% 0.000,000 978,866.93 989,965.13 0.10876 0.11000 979,866.93 999,955.13 0.10887 0.11011 990.00 990.00 0.10% 0.10			2.5					A STATE OF THE PARTY OF THE PAR							
200 6,000,000 733,554.83 730,984.43 0,12226 0,12183 734,214.83 731,644.43 0,12237 0,12194 660,00 660,00 0,09% 0,09% 0,09% 0,00% 0,000 9,000,000 9,000,000 1,213,335.83 1,245,024.23 0,10111 0,10375 1,214,655.83 1,246,344.23 0,10112 0,10386 1,320,00 1,320,00 0,11% 0,								The second of the second of the second of				9,0			
200 6,000,000 733,554.83 730,984.43 0,12226 0,12183 734,214.83 731,644.43 0,12237 0,12194 660,00 660,00 0,09% 0,09% 0,09% 0,00% 0,000 1,213,335.83 1,245,024.23 0,10111 0,10375 1,214,655.83 1,246,344.23 0,10112 0,10386 1,320,00 1,320,00 0,11% 0,11										20 000	KVAI				
300 9,000,000 978,866.93 989,965.13 0.10876 0.11000 979,856.93 990,955.13 0.10887 0.11011 990.00 990.00 0.10% 0.10% 0.10% 0.10% 0.100,000 12,000,000 1,213,335.83 1,245,024.23 0.10111 0.10375 1,214,655.83 1,246,344.23 0.10122 0.10386 1,320.00 1,320.00 0.11% 0.11% 0.11% 0.000 15,000,000 1,423,238.13 1,498,237.13 0.09982 1,498,237.13 0.09989 1,650.00 1,150.00 0.11% 0.11% 0.11% 0.000 1,672,640.03 1,751,074.43 0.09922 0.09728 1,674,620.03 1,753,054.43 0.09303 0.09739 1,980.00 1,980.00 0.12% 0.11% 0.11% 0.10375 1,306,425.03 1,321,222.63 0.1228 978,902.23 974,595.03 0.12225 0.12182 978,902.23 975,475.03 0.12236 0.122193 880.00 880.00 0.09% 0.09% 0.00% 0.12,000,000 1,500,000	200	6 000 000	722 554 92	720 084 42	0.12226	0 12102	724 214 02	721 644 42	0.12227		LAA	660.00	660.00	0.000/	0.000/
400 12,000,000 1,213,335.83 1,245,024.23 0.10111 0.10375 1,214,655.83 1,246,344.23 0.10122 0.10386 1,320.00 1,320.00 0.11% 0.11% 500 15,000,000 1,443,238.13 1,498,237.13 0.09622 0.09988 1,444,888.13 1,499,887.13 0.09633 0.09999 1,650.00 1,650.00 0.11%								Company of the second s							
500 15,000,000 1,443,238.13 1,498,237.13 0.09622 0.09988 1,444,888.13 1,499,887.13 0.09633 0.09999 1,650.00 1,650.00 0.11% 0.11% 600 18,000,000 1,672,640.03 1,751,074.43 0.09292 0.09728 1,674,620.03 1,753,054.43 0.09303 0.09739 1,980.00 1,980.00 0.12% 0.11% 0.11% 0.11% 0.000 0.000 0.09739 0.09			the same and the s					50 - 1 Th							
600 18,000,000 1,672,640.03 1,751,074.43 0.09292 0.09728 1,674,620.03 1,753,054.43 0.09303 0.09739 1,980.00 1,980.00 0.12% 0.11% 40,000 KW 200 8,000,000 978,022.23 974,595.03 0.12225 0.12182 978,902.23 975,475.03 0.12236 0.12193 880.00 880.00 0.09% 0.09% 0.09% 0.09% 0.00% 0.000 1,305,105.03 1,319,902.63 0.10876 0.10999 1,306,425.03 1,321,222.63 0.10887 0.11010 1,320.00 1,320.00 0.10% 0.10% 0.10% 0.000 1,617,730.23 1,659,981.43 0.10111 0.10375 1,619,490.23 1,661,741.43 0.10122 0.10386 1,760.00 1,760.00 0.11% 0.11% 0.000 0.000 1,924,266.63 1,997,586.63 0.09621 0.09988 1,926,466.63 1,999,798.63 0.09632 0.09999 2,200.00 2,200.00 0.11% 0.11% 0.11% 0.000 0				10 100			and the same of th						1.041.000 -0104.0000 BOX		
200 8,000,000 978,022.23 974,595.03 0.12225 0.12182 978,902.23 975,475.03 0.12236 0.12193 880.00 880.00 0.09% 0.09% 300 12,000,000 1,305,105.03 1,319,902.63 0.10876 0.10999 1,306,425.03 1,321,222.63 0.10887 0.11010 1,320.00 1,320.00 0.10% 0.10% 400 16,000,000 1,617,730.23 1,659,981.43 0.10111 0.10375 1,619,490.23 1,661,741.43 0.10122 0.10386 1,760.00 1,760.00 0.11% 0.11% 500 20,000,000 1,924,266.63 1,997,598.63 0.09621 0.09988 1,926,466.63 1,999,798.63 0.09632 0.09999 2,200.00 2,200.00 0.11% 0.11% 0.11% 0.11% 0.10375 1,619,490.23 1,661,741.43 0.10122 0.10386 1,760.00 1,760.00 0.11% 0.11% 0.11% 0.10375 1,619,490.23 1,619,490.23 1,661,741.43 0.10122 0.10386 1,760.00 1,760.00 0.11% 0.11% 0.11% 0.11% 0.10375 1,619,490.23 1,861,741.43 0.10122 0.10386 1,760.00 1,760.00 0.11% 0.11% 0.11% 0.11% 0.10375 1,619,490.23 1,861,741.43 0.10122 0.10386 1,760.00 1,760.00 0.11% 0.11% 0.11% 0.10375 1,619,490.23 1,861,741.43 0.10122 0.10386 1,760.00 1,760.00 0.11% 0.11% 0.11% 0.11% 0.10375 1,619,490.23 1,899,798.63 0.09632 0.09999 2,200.00 2,200.00 0.11% 0.11% 0.11% 0.11% 0.10375 1,619,490.23 1,861,741.43 0.10122 0.10386 1,760.00 1,760.00 0.11% 0.11% 0.11% 0.11% 0.11% 0.10375 1,619,490.23 1,861,741.43 0.10122 0.10386 1,760.00 1,760.00 0.11% 0.			and the second s	and the same of th								21.00	AND STATE OF THE PARTY OF THE P		
200 8,000,000 978,022.23 974,595.03 0.12225 0.12182 978,902.23 975,475.03 0.12236 0.12193 880.00 880.00 0.09% 0.09% 300 12,000,000 1,305,105.03 1,319,902.63 0.10876 0.10999 1,306,425.03 1,321,222.63 0.10887 0.11010 1,320.00 1,320.00 0.10% 0.10% 0.10% 0.10% 0.10% 0.000 1,617,730.23 1,659,981.43 0.10111 0.10375 1,619,490.23 1,661,741.43 0.10122 0.10386 1,760.00 1,760.00 0.11% 0.11% 0.11% 0.10% 0.000 1,924,266.63 1,997,598.63 0.09621 0.09988 1,926,466.63 1,999,798.63 0.09632 0.09999 2,200.00 2,200.00 0.11% 0.11% 0.11% 0.0000 0.000	000	18,000,000	1,072,040.03	1,751,074.43	0.09292	0.09726	1,674,620.03	1,753,054.43	0.09303	0.09739		1,980.00	1,980.00	0.12%	0.11%
300 12,000,000 1,305,105.03 1,319,902.63 0.10876 0.10999 1,306,425.03 1,321,222.63 0.10887 0.11010 1,320.00 1,320.00 0.10% 0.10% 0.10% 0.10% 0.10,000 0.10,0										40,000	KW				
400 16,000,000	200	8,000,000	978,022.23	974,595.03	0.12225	0.12182	978,902.23	975,475.03	0.12236	0.12193		880.00	880.00	0.09%	0.09%
500 20,000,000 1,924,266.63 1,997,598.63 0.09621 0.09988 1,926,466.63 1,999,798.63 0.09632 0.09999 2,200.00 2,200.00 0.11% 0.11% 600 24,000,000 2,230,135.83 2,334,715.03 0.09292 0.09728 2,232,775.83 2,337,355.03 0.09303 0.09739 2,640.00 2,640.00 0.12% 0.11% KWH DISTRIBUTION	300	12,000,000	1,305,105.03	1,319,902.63	0.10876	0.10999	1,306,425.03	1,321,222.63	0.10887	0.11010		1,320.00	1,320.00	0.10%	0.10%
The state of the	400	16,000,000	1,617,730.23	1,659,981.43	0.10111	0.10375	1,619,490.23	1,661,741.43	0.10122	0.10386		1,760.00	1,760.00	0.11%	0.11%
N PK	500	20,000,000	1,924,266.63	1,997,598.63	0.09621	0.09988	1,926,466.63	1,999,798.63	0.09632	0.09999		2,200.00	2,200.00	0.11%	0.11%
ON PK INT OFF PK 200 HOURS USE = 31% 29% 40% 300 HOURS USE = 33% 27% 40% 400 HOURS USE = 30% 26% 44% 500 HOURS USE = 30% 25% 48% 600 HOURS USE = 25% 24% 51% ON PK INT OFF PK SUMMER WINTER CUSTOMER 152.63 152.63 DEMAND (kW) On Peak 1.1450 0.0000 Maximum 7.1186 7.1186 ENERGY (kWh) On Peak 0.07900 0.07495 Int Peak 0.06475 0.07304 Off Peak 0.05641 0.06678 Off Peak 0.05641 0.06678	600	24,000,000	2,230,135.83	2,334,715.03	0.09292	0.09728	2,232,775.83	2,337,355.03	0.09303	0.09739		2,640.00	2,640.00	0.12%	0.11%
ON PK INT OFF PK 200 HOURS USE = 31% 29% 40% 300 HOURS USE = 33% 27% 40% 400 HOURS USE = 30% 26% 44% 500 HOURS USE = 30% 25% 48% 600 HOURS USE = 25% 24% 51% ON PK INT OFF PK SUMMER WINTER CUSTOMER 152.63 152.63 DEMAND (kW) On Peak 1.1450 0.0000 Maximum 7.1186 7.1186 ENERGY (kWh) On Peak 0.07900 0.07495 Int Peak 0.06475 0.07304 Off Peak 0.05641 0.06678 Off Peak 0.05641 0.06678	KWH	DISTRIBUTION							PRESENT			I	PROPOSED		
200 HOURS USE = 31% 29% 40% 300 HOURS USE = 33% 27% 40% 400 HOURS USE = 30% 26% 44% 500 HOURS USE = 27% 25% 48% 600 HOURS USE = 25% 24% 51% SUMMER WINTER CUSTOMER 152.63 152.63 DEMAND (kW) On Peak 1.1450 0.0000 Maximum 7.1186 7.1186 ENERGY (kWh) On Peak 0.07900 0.07495 Int Peak 0.06475 0.07304 Off Peak 0.05641 0.06678 SUMMER WINTER CUSTOMER 152.63 152.63 DEMAND (kW) On Peak 1.1450 0.0000 Maximum 7.1186 7.1186 ENERGY (kWh) On Peak 0.07900 0.07495 Int Peak 0.05641 0.06678 Off Peak 0.05641 0.06678		MOTOR AND INCOMPACT OF THE PROPERTY	ON PK	INT	OFF PK										
300 HOURS USE = 33% 27% 40% CUSTOMER 152.63 152.63 DEMAND (kW) 500 HOURS USE = 27% 25% 48% On Peak 1.1450 0.0000 Maximum 7.1186 7.1186 ENERGY (kWh) On Peak 0.07900 0.07495 Int Peak 0.05641 0.06678 Off Peak 0.05641 0.06678 CUSTOMER 152.63 152.63 DEMAND (kW) On Peak 1.1450 0.0000 Maximum 7.1186 7.1186 ENERGY (kWh) On Peak 0.07900 0.07495 Int Peak 0.05641 0.06678	200	HOURS USE =	31%	29%	40%				SUMMER	WINTER			SUMMER	WINTER	
400 HOURS USE = 30% 26% 44% 500 HOURS USE = 27% 25% 48% 600 HOURS USE = 25% 24% 51% Maximum 7.1186 7.1186 ENERGY (kWh) On Peak 0.07900 0.07495 Int Peak 0.06475 0.07304 Off Peak 0.05641 0.06678 OEMAND (kW) On Peak 1.1450 0.0000 Maximum 7.1186 7.1186 ENERGY (kWh) On Peak 0.07900 0.07495 Int Peak 0.05641 0.06678 Off Peak 0.05641 0.06678	300	HOURS USE =	33%	27%				CUSTOMER				CUSTOMER			
500 HOURS USE = 27% 25% 48% On Peak 1.1450 0.0000 Maximum 7.1186 7.1186 PNERGY (kWh) On Peak 0.07900 0.07495 Int Peak 0.05641 0.06678 On Peak 1.1450 0.0000 Maximum 7.1186 7.1186 PNERGY (kWh) On Peak 0.06475 0.07304 Off Peak 0.05641 0.06678	400	HOURS USE =	30%	26%				DEMAND (kW)				The state of the s	1.5-1.5-5		
600 HOURS USE = 25% 24% 51% Maximum 7.1186 7.1186 Maximum 7.1186 7.1186 ENERGY (kWh) On Peak 0.07900 0.07495 Int Peak 0.06475 0.07304 Off Peak 0.05641 0.06678 Off Peak 0.05641 0.06678 Off Peak 0.05641 0.06678	500	HOURS USE =	27%	25%	48%			, , , , , , , , , , , , , , , , , , , ,	1.1450	0.0000			1.1450	0.0000	
ENERGY (kWh) On Peak 0.07900 0.07495 Int Peak 0.06475 0.07304 Off Peak 0.05641 0.06678 ENERGY (kWh) On Peak 0.07900 0.07495 Int Peak 0.06475 0.07304 Off Peak 0.05641 0.06678	600	HOURS USE =						100700-04-04-04-04-04-04-04-04-04-04-04-04-0				Lancas de la constante de la c		100000000000000000000000000000000000000	
On Peak 0.07900 0.07495 On Peak 0.07900 0.07900 0.07495 Int Peak 0.06475 0.07304 Int Peak 0.06475 0.07304 Off Peak 0.05641 0.06678 Off Peak 0.05641 0.06678								ENERGY (kWh)				GO (SQUESTED STEED STORY) (ST.			
Int Peak 0.06475 0.07304 Int Peak 0.06475 0.07304 Off Peak 0.05641 0.06678 Off Peak 0.05641 0.06678								The second secon	0.07900	0.07495			0.07900	0.07495	
Off Peak 0.05641 0.06678 Off Peak 0.05641 0.06678								Section of Sections				50000 CF 10.1 AS(1)4/50000 [International Internation (4)	
								and the second state of th				The Control of the Co		Someon at the party of the	
								and the second s							

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND PROJECT CHARGE - YEAR 2 SCHEDULE "GT 3B" DISTRICT OF COLUMBIA

RS			PRESENT 'GT-3B' \$ AMOUNT OF BILL \$/KWH				PROPOSED 'GT			INCREASE				
	KWH	\$ AMOU				\$ AMOUN	IT OF BILL		WH		(\$)	(\$)	(%)	(%)
		SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER		SUMMER	WINTER	SUMMER	WINTER
						MAXIMUM AND O	ON PEAK DEMAND) =	10,000	KW				
200	2,000,000	275,474.77	275,474.77	0.13774	0.13774	275,494.77	275,494.77	0.13775	0.13775		20.00	20.00	0.01%	0.019
300	3,000,000	396,850.97	396,850.97	0.13228	0.13228	396,880.97	396,880.97	0.13229	0.13229		30.00	30.00	0.01%	0.019
400	4,000,000	518,227.17	518,227.17		0.12956	518,267.17	518,267.17	0.12957	0.12957		40.00	40.00	0.01%	0.019
500	5,000,000	639,603,37			0.12792	639,653,37	639.653.37	0.12793	0.12793		50.00	50.00	0.01%	0.019
600	6,000,000	760,979.57	760,979.57	0.12683	0.12683	761,039.57	761,039.57	0.12684	0.12684		60.00	60.00	0.01%	0.01
									20,000	ĸw				
200	4,000,000	549,815.17	549,815.17	0.13745	0.13745	549,855.17	549,855.17	0.13746	0.13746		40.00	40.00	0.01%	0.01
300	6,000,000	792,567.57			0.13209	792,627.57	792,627.57	0.13210	0.13210		60.00	60.00	0.01%	0.019
400	8.000.000	1.035.319.97		0.12941		1,035,399.97	1.035.399.97	0.12942	0.12942		80.00	80.00	0.01%	0.01
500	10,000,000	1,278,072.37		0.12781		1,278,172.37	1,278,172.37	0.12782	0.12782		100.00	100.00	0.01%	0.01
600	12,000,000	1,520,824.77		0.12674		1,520,944.77	1,520,944.77	0.12675	0.12675		120.00	120.00	0.01%	0.01
									30,000	KW				
200	6,000,000	824,155.57	824,155.57	n 13736	0.13736	824,215.57	824,215.57	0.13737	0.13737	144	60.00	60.00	0.01%	0.01
300	9,000,000	1,188,284.17			0.13730	1,188,374.17	1,188,374.17	0.13704	0.13707		90.00	90.00	0.01%	0.01
400	12,000,000	1,552,412.77			0.12937	1,552,532.77	1,552,532.77	0.12938	0.12938		120.00	120.00	0.01%	0.01
500	15,000,000	1,916,541.37			0.12337	1,916,691.37	1,916,691.37	0.12338	0.12778		150.00	150.00	0.01%	0.01
600	18,000,000	2,280,669.97			0.12670	2,280,849.97	2,280,849.97	0.12671	0.12671		180.00	180.00	0.01%	0.01
									40,000	MAI				
200	8,000,000	1,098,495,97	1.098,495,97	0 12721	0.13731	1,098,575.97	1,098,575,97	0.13732	0.13732	LAA	80.00	80.00	0.01%	0.01
300	12,000,000	1,584,000.77			0.13701	1,584,120.77	1,584,120.77	0.13201	0.13201		120.00	120.00	0.01%	0.01
400	16,000,000	2.069.505.57			0.13200	2,069,665.57	2,069,665.57	0.13201	0.13201		160.00	160.00	0.01%	0.01
500	20,000,000	2,555,010.37			0.12775	2,555,210.37	2,555,210.37	0.12776	0.12776		200.00	200.00	0.01%	0.01
600	24,000,000	3,040,515.17			0.12669	3,040,755.17	3,040,755.17	0.12670	0.12670		240.00	240.00	0.01%	0.01
KV	VH DISTRIBUTION							PRESENT				PROPOSED		
111	TI DIOTRIDOTION	ON PK	INT	OFF PK				TRECEIVE				THOI GOLD		
200	HOURS USE =	31%	29%	40%				SUMMER	WINTER			SUMMER	WINTER	
	HOURS USE =	33%	27%	40%			CUSTOMER	1134.37	1134.37		CUSTOMER	1134.37	1134.37	
	HOURS USE =	30%	26%	44%			DEMAND (kW)				DEMAND (kW)		1101101	
	HOURS USE =	27%	25%	48%			On Peak	1.0636	1.0636		On Peak	1.0636	1.0636	
	HOURS USE =	25%	24%	51%			Maximum	2.0952			Maximum	2.0952	2.0952	
000	ricorto con	2070	2470	0170			ENERGY (kWh)	2.0002	2.0002		ENERGY (kWh)	2.0002	2.0002	
							On Peak	0.10790	0.10790		On Peak	0.10790	0.10790	
							Int Peak	0.10790	0.10790		Int Peak	0.10790	0.10790	
							Off Peak	0.10790	0.10790		Off Peak	0.10790	0.10790	
							SURCHARGES	0.01348	0.01348	1	SURCHARGES	0.01349	0.10790	

J. F. JANOCHA
Direct Exhibit
DC P.S.C. -- July, 2017

Introduced as: PEPCO _____ (C) - 6

POTOMAC ELECTRIC POWER COMPANY
BILL IMPACTS - UNDERGROUND RIDER - YEAR 1
SCHEDULE "R"
DISTRICT OF COLUMBIA

PRESENT SCHEDULE R PROPOSED SCHEDULE R **INCREASE KWH** \$ AMOUNT OF BILL \$/KWH \$ AMOUNT OF BILL \$/KWH (\$) (\$) (%) (%) (\$) (%) SUMMER WINTER SUMMER WINTER SUMMER WINTER SUMMER WINTER SUMMER WINTER SUMMER WINTER ANNUAL ANNUAL 0 15.21 15.40 15.21 15.40 0.00 0.00 0.00% 0.00% 0.00 0.00% 10 15.39 15.58 1.53900 1.55800 15.40 15.59 1.54000 1.55900 0.01 0.01 0.06% 0.06% 0.01 0.06% 20 15.57 15.76 0.77850 0.78800 15.60 15.79 0.78000 0.78950 0.03 0.03 0.19% 0.19% 0.03 0.19% 30 15.75 15.94 0.52500 0.53133 15.79 15.98 0.52633 0.53267 0.04 0.04 0.25% 0.25% 0.04 0.25% 40 16.75 16.94 0.41875 0.42350 16.81 17.00 0.42025 0.42500 0.06 0.06 0.36% 0.35% 0.06 0.36% 50 17.76 0.35520 17.95 0.35900 17.83 18.02 0.35660 0.36040 0.07 0.07 0.39% 0.39% 0.07 0.39% 100 22.78 22.97 0.22780 0.22970 22.93 23.12 0.22930 0.23120 0.15 0.15 0.66% 0.65% 0.15 0.66% 200 32.82 33.01 0.16410 0.16505 33.13 33.32 0.16565 0.16660 0.31 0.31 0.94% 0.94% 0.31 0.94% 300 42.86 43.05 0.14287 0.14350 43.33 43.52 0.14443 0.14507 0.47 0.47 1.10% 1.09% 0.47 1.09% 400 52.91 53.10 0.13228 0.13275 53.53 53.72 0.13383 0.13430 0.62 0.62 1.17% 1.17% 0.62 1.17% 500 64.36 63.89 0.12872 0.12778 65.13 64.67 0.13026 0.12934 0.77 0.78 1.20% 1.22% 0.78 1.21% 600 75.81 74.69 0.12635 0.12448 76.74 75.62 0.12790 0.12603 0.93 0.93 1.23% 1.25% 0.93 1.24% 700 87.26 85.49 0.12466 0.12213 88.34 86.57 0.12620 0.12367 1.08 1.08 1.24% 1.26% 1.08 1.25% 750 92.98 90.88 0.12397 0.12117 94.15 92.05 0.12553 0.12273 1.17 1.17 1.26% 1.29% 1.28% 1.17 800 98.71 96.28 0.12339 0.12035 99.95 97.52 0.12494 0.12190 1.24 1.24 1.26% 1.29% 1.24 1.27% 850 104.43 101.68 0.12286 0.11962 105.75 103.00 0.12441 0.12118 1.32 1.32 1.26% 1.30% 1.32 1.28% 900 110.16 107.08 0.12240 0.11898 111.55 108.47 0.12394 0.12052 1.39 1.39 1.26% 1.30% 1.39 1.28% 950 115.88 112.48 0.12198 0.11840 117.36 113.95 0.12354 0.11995 1.48 1.47 1.28% 1.31% 1.47 1.29% 1,000 121.61 117.88 0.12161 0.11788 123.16 119.43 0.12316 0.11943 1.55 1.30% 1.55 1.27% 1.31% 1.55 1,250 150.24 144.87 0.12019 0.11590 152.17 146.80 0.12174 0.11744 1.93 1.93 1.28% 1.33% 1.93 1.31% 1,500 178.86 171.86 0.11924 0.11457 181.19 174.18 0.12079 0.11612 2.33 2.32 1.30% 1.35% 2.32 1.33% 1,750 207.49 198.85 0.11857 0.11363 210.20 201.56 0.12011 0.11518 2.71 2.71 1.31% 1.36% 2.71 1.34% 2,000 236.11 225.84 0.11806 0.11292 239.21 228.94 0.11961 0.11447 3.10 3.10 1.31% 1.37% 3.10 1.35% 2,250 264.74 252.83 0.11766 0.11237 268.23 256.32 0.11921 0.11392 3.49 3.49 1.32% 1.38% 3.49 1.35% 2,500 293.37 279.82 0.11735 0.11193 297.24 283.70 0.11890 0.11348 3.87 3.88 1.32% 1.39% 3.88 1.36% 3,000 350.62 333.80 0.11687 0.11127 355.27 338.45 0.11842 0.11282 4.65 4.65 1.33% 1.39% 1.36% 4.65 3,500 407.87 387.79 0.11653 0.11080 413.30 393.21 0.11809 0.11235 5.43 5.42 1.33% 1.40% 5.42 1.37% 4,000 465.12 441.77 0.11628 0.11044 471.32 447.97 0.11783 0.11199 6.20 6.20 1.33% 1.40% 6.20 1.37% 5,000 579.63 549.73 0.11593 0.10995 587.38 557.48 0.11748 0.11150 7.75 7.75 1.34% 1.41% 7.75 1.38%

	PRES	SENT	PROPOSED				
BLOCK	SUMMER	WINTER	SUMMER	WINTER			
* Customer & Minimum							
Charges	15.44	15.63	15.44	15.63			
Next 370 kWh	0.09014	0.09014	0.09014	0.09014			
Excess kWh	0.10421	0.09767	0.10421	0.09767			
Surcharges	0.01030	0.01030	0.01185	0.01185			

^{*} Includes Distribution Customer Charge, Generation Minimum Charge and Transmission Minimum (
(Distribution Customer Charge includes the first 30 kWh of consumption at the initial block of volumetric r

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 1 SCHEDULE "AE" DISTRICT OF COLUMBIA

OF COLUMBIA	4												
PRESENT SCHEDULE AE \$ AMOUNT OF BILL \$/KWH					PROPOS	ED SCHEDULE AE				INCREAS	SE		
\$ AMOUNT	OF BILL	\$/K	WH	\$ AMOUN	Γ OF BILL	\$/K	WH	(\$)	(\$)	(%)	(%)	(\$)	(%)
SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER !	WINTER		ANNUAL
15.18	15.33	-	-	15.18	15.33		-	0.00	0.00	0.00%	0.00%	0.00	0.00%
15.34	15.49	1.53400	1.54900	15.36	15.51	1.53600	1.55100	0.02	0.02	0.13%	0.13%	0.02	0.13%
15.51	15.66	0.77550	0.78300	15.53	15.68	0.77650	0.78400	0.02	0.02	0.13%	0.13%	0.02	0.13%
15.67	15.82	0.52233	0.52733	15.71	15.86	0.52367	0.52867	0.04	0.04	0.26%	0.25%	0.04	0.25%
16.56	16.76	0.41400	0.41900	16.61	16.81	0.41525	0.42025	0.05	0.05	0.30%	0.30%	0.05	0.30%
17.45	17.71	0.34900	0.35420	17.52	17.77	0.35040	0.35540	0.07	0.06	0.40%	0.34%	0.06	0.36%
				22.04		0.22040	0.22550	0.12	0.12	0.55%	0.53%	0.12	0.54%
	31.87			31.09	32.12	0.15545	0.16060	0.25	0.25	0.81%	0.78%	0.25	0.80%
39.76	41.31	0.13253	0.13770	40.13	41.68	0.13377	0.13893	0.37	0.37	0.93%	0.90%	0.37	0.91%
(0.000000000000000000000000000000000000	50.75			49.18	51.25	0.12295	0.12813	0.50	0.50	1.03%	0.99%	0.50	1.00%
59.18	60.71	0.11836	0.12142	59.80	61.33	0.11960	0.12266	0.62	0.62	1.05%	1.02%	0.62	1.03%
69.67	70.67	0.11612	0.11778	70.42	71.41	0.11737	0.11902	0.75	0.74	1.08%	1.05%	0.74	1.06%
								0.87		1.09%	1.07%	0.86	1.07%
								0.93	0.93	1.09%	1.09%	0.93	1.09%
	90.58			91.66	91.58	0.11458	0.11448	0.99	1.00	1.09%	1.10%	1.00	1.10%
95.91	95.56	0.11284	0.11242	96.97	96.62	0.11408	0.11367	1.06	1.06	1.11%	1.11%	1.06	1.11%
101.16	100.54	0.11240	0.11171	102.28	101.66	0.11364	0.11296	1.12	1.12	1.11%	1.11%	1.12	1.11%
106.41	105.52	0.11201	0.11107	107.59	106.70	0.11325	0.11232	1.18	1.18	1.11%	1.12%	1.18	1.11%
											1.12%	1.24	1.12%
								1.55	1.55	1.12%	1.14%	1.55	1.14%
								1.86	1.86	1.13%	1.16%	1.86	1.15%
								2.17	2.17	1.14%	1.17%	2.17	1.16%
					212.56	0.10955	0.10628	2.48	2.48	1.14%	1.18%	2.48	1.17%
242.86	234.97	0.10794	0.10443	245.65	237.76	0.10918	0.10567	2.79	2.79	1.15%	1.19%	2.79	1.17%
000.40	050.07	0.40704	0.40005	070.00	000.00								
													1.18%
													1.18%
													1.19%
													1.19%
531.49	508.82	0.10630	0.10176	537.69	515.02	0.10754	0.10300	6.20	6.20	1.17%	1.22%	6.20	1.20%
	\$ AMOUNT SUMMER 15.18 15.34 15.51 15.67 16.56 17.45 21.92 30.84 39.76 48.68 59.18 69.67 80.17 85.42 90.67 95.91 101.16	\$ AMOUNT OF BILL SUMMER WINTER 15.18 15.33 15.34 15.49 15.51 15.66 15.67 15.82 16.56 16.76 17.45 17.71 21.92 22.43 30.84 31.87 39.76 41.31 48.68 50.75 59.18 60.71 69.67 70.67 80.17 80.63 85.42 85.60 90.67 90.58 95.91 95.56 101.16 100.54 106.41 105.52 111.66 110.50 137.90 135.39 164.14 160.29 190.38 185.18 216.62 210.08 242.86 234.97 269.10 259.87 321.58 309.66 374.06 359.45 426.54 409.24	PRESENT SCHEDULE A \$ AMOUNT OF BILL \$/K SUMMER WINTER SUMMER 15.18 15.33 - 15.34 15.49 1.53400 15.51 15.66 0.77550 15.67 15.82 0.52233 16.56 16.76 0.41400 17.45 17.71 0.34900 21.92 22.43 0.21920 30.84 31.87 0.15420 39.76 41.31 0.13253 48.68 50.75 0.12170 59.18 60.71 0.11836 69.67 70.67 0.11612 80.17 80.63 0.11453 85.42 85.60 0.11389 90.67 90.58 0.11334 95.91 95.56 0.11284 101.16 100.54 0.11240 106.41 105.52 0.11201 111.66 110.50 0.1166 137.90 135.39 0.1032 164.14 </td <td>\$AMOUNT OF BILL \$/KWH SUMMER WINTER \$15.18</td> <td>\$ AMOUNT OF BILL \$ /KWH \$ SUMMER WINTER SUMER SUMMER WINTER SUMMER WINTER SUMMER WINTE</td> <td> PRESENT SCHEDULE AE</td> <td> PRESENT SCHEDULE AE \$AMOUNT OF BILL \$IKWH \$SUMMER WINTER SUMMER WINTER SUMMER WINTER \$SUMMER WINTER SUMMER \$SUMMER WINTER \$SUMMER WINTER \$SUMMER WINTER \$SUMMER WINTER \$SUMMER \$SUMMER</td> <td> PRESENT SCHEDULE AE S/KWH SUMMER WINTER SUMMER WINTER</td> <td> PRESENT SCHEDULE AE SAMOUNT OF BILL SUMMER WINTER SUMMER WINTER SUMMER WINTER SUMMER WINTER SUMMER SUMME</td> <td>FRESENT SCHEDULE AE PROPOSED SCHEDULE AE SAMOUNT OF BILL S/KWH (S) (S) SUMMER WINTER SUMMER WINTER SAMOUNT OF BILL S/KWH S/KWH (S) (S) 15.18 15.33 - - 15.18 15.33 - - 0.00 0.00 15.54 15.49 1.53400 1.54900 15.36 15.51 1.53600 1.55100 0.002 0.02 0.02 15.57 15.66 0.77550 0.78300 15.53 15.68 0.72537 0.52867 0.52867 0.04 0.04 0.04 16.56 16.76 0.41400 0.41900 16.61 16.81 0.41525 0.42025 0.05 0.05 0.05 0.05 17.45 17.71 0.34900 0.35420 17.52 17.77 0.35040 0.35540 0.07 0.06 0.07 0.06 21.92 22.43 0.21920 0.22430 22.04 22.55 0.22040 0.22550 0.12 0.12 0.12 0.12 30.84 31.67 0.15420 0.15935 31.09 32.12 0.15545 0.16060 0.25 0.25 39.76 41.31 0.13253 0.13770 40.13 41.68 0.1337 0.13893 0.37 0.13893 0.37 0.37 48.68 50.75 0.79 0.11612 0.1178 70.42 71.41 0.11373 0.11960 0.12266 0.62 0.62 0.62 0.69 0.62 0.62 0.62 0.62 0.62 0.62 0.62 0.69 69.67 70.67 0.11612 0.11778 70.42 71.41 0.11737 0.11641 0.11537 0.11902 0.75 0.74 0.11643 0.11242 9.96 9.96 0.1248 0.11458 0.11448 0.99 1.00 0.99 1.00 0.95 9.95 0.12841 0.11242 0.11177 10.228 10.60 0.95 0.62 0.11408 0.11367 0.1164 0.106 0.106 0.106 0.106 0.106 0.106 0.106 0.106 0.106 0.106 0.106 0.106 0.</td> <td> PRESENT SCHEDULE AE S/KWH SUMMER WINTER SAMOUNT OF BILL S/KWH SUMMER WINTER SUMMER WINTER SUMMER WINTER SUMMER WINTER SUMMER WIN</td> <td>PRESENT SCHEDULE AE \$ AMOUNT OF BILL SUMMER PROPOSED SCHEDULE AE WINTER S/KWH SUMMER (\$)</td> <td>PRESENT SCHEDULE AE PROPOSED SCHEDULE AE INCREASE \$ AMOUNT OF BILL \$ AMOUNT OF BILL \$ JKWH \$ (\$) (\$)</td>	\$AMOUNT OF BILL \$/KWH SUMMER WINTER \$15.18	\$ AMOUNT OF BILL \$ /KWH \$ SUMMER WINTER SUMER SUMMER WINTER SUMMER WINTER SUMMER WINTE	PRESENT SCHEDULE AE	PRESENT SCHEDULE AE \$AMOUNT OF BILL \$IKWH \$SUMMER WINTER SUMMER WINTER SUMMER WINTER \$SUMMER WINTER SUMMER \$SUMMER WINTER \$SUMMER WINTER \$SUMMER WINTER \$SUMMER WINTER \$SUMMER \$SUMMER	PRESENT SCHEDULE AE S/KWH SUMMER WINTER SUMMER WINTER	PRESENT SCHEDULE AE SAMOUNT OF BILL SUMMER WINTER SUMMER WINTER SUMMER WINTER SUMMER WINTER SUMMER SUMME	FRESENT SCHEDULE AE PROPOSED SCHEDULE AE SAMOUNT OF BILL S/KWH (S) (S) SUMMER WINTER SUMMER WINTER SAMOUNT OF BILL S/KWH S/KWH (S) (S) 15.18 15.33 - - 15.18 15.33 - - 0.00 0.00 15.54 15.49 1.53400 1.54900 15.36 15.51 1.53600 1.55100 0.002 0.02 0.02 15.57 15.66 0.77550 0.78300 15.53 15.68 0.72537 0.52867 0.52867 0.04 0.04 0.04 16.56 16.76 0.41400 0.41900 16.61 16.81 0.41525 0.42025 0.05 0.05 0.05 0.05 17.45 17.71 0.34900 0.35420 17.52 17.77 0.35040 0.35540 0.07 0.06 0.07 0.06 21.92 22.43 0.21920 0.22430 22.04 22.55 0.22040 0.22550 0.12 0.12 0.12 0.12 30.84 31.67 0.15420 0.15935 31.09 32.12 0.15545 0.16060 0.25 0.25 39.76 41.31 0.13253 0.13770 40.13 41.68 0.1337 0.13893 0.37 0.13893 0.37 0.37 48.68 50.75 0.79 0.11612 0.1178 70.42 71.41 0.11373 0.11960 0.12266 0.62 0.62 0.62 0.69 0.62 0.62 0.62 0.62 0.62 0.62 0.62 0.69 69.67 70.67 0.11612 0.11778 70.42 71.41 0.11737 0.11641 0.11537 0.11902 0.75 0.74 0.11643 0.11242 9.96 9.96 0.1248 0.11458 0.11448 0.99 1.00 0.99 1.00 0.95 9.95 0.12841 0.11242 0.11177 10.228 10.60 0.95 0.62 0.11408 0.11367 0.1164 0.106 0.106 0.106 0.106 0.106 0.106 0.106 0.106 0.106 0.106 0.106 0.106 0.	PRESENT SCHEDULE AE S/KWH SUMMER WINTER SAMOUNT OF BILL S/KWH SUMMER WINTER SUMMER WINTER SUMMER WINTER SUMMER WINTER SUMMER WIN	PRESENT SCHEDULE AE \$ AMOUNT OF BILL SUMMER PROPOSED SCHEDULE AE WINTER S/KWH SUMMER (\$)	PRESENT SCHEDULE AE PROPOSED SCHEDULE AE INCREASE \$ AMOUNT OF BILL \$ AMOUNT OF BILL \$ JKWH \$ (\$) (\$)

PRES	SENT	PROP	OSED
SUMMER	WINTER	SUMMER	WINTER
15.43	15.58	15.43	15.58
0.08112	0.08631	0.08112	0.08631
0.09686	0.09148	0.09686	0.09148
0.00810	0.00810	0.00934	0.00934
	15.43 0.08112 0.09686	15.43 15.58 0.08112 0.08631 0.09686 0.09148	SUMMER WINTER SUMMER 15.43 15.58 15.43 0.08112 0.08631 0.08112 0.09686 0.09148 0.09686

^{*} Includes Distribution Customer Charge, Generation Minimum Charge and Transmission Minimum Charge (Distribution Customer Charge includes the first 30 kWh of consumption at the initial block of volumetric rate)

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 1 SCHEDULE "R-TM" DISTRICT OF COLUMBIA

		PRESENT	R-TM			PRO	POSED R-TM				INCREASE			
KWH	\$ AMOUNT	OF BILL	\$/K	WH	\$ AMOUN	IT OF BILL	\$/	KWH	(\$)	(\$)	(%)	(%)	(\$)	(%)
	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	R WINTER	SUMMER	WINTER	SUMMER			ANNUAL
1,000	150.58		0.15058		155.39	160.99	0.15539	0.16099	4.81	4.81	3.19%	3.08%	4.81	3.13%
1,500	217.11		0.14474	0.15035	224.32	232.73	0.14955	0.15515	7.21	7.21	3.32%	3.20%	7.21	3.25%
2,000	283.64	294.85		0.14743	293.26	304.47	0.14663	0.15224	9.62	9.62	3.39%	3.26%	9.62	3.32%
2,500	350.16	364.18	0.14006		362.19	376.21	0.14488	0.15048	12.03	12.03	3.44%	3.30%	12.03	3.36%
3,000	416.69	433.51		0.14450	431.12	447.94	0.14371	0.14931	14.43	14.43	3.46%	3.33%	14.43	3.38%
3,500	483.22	502.85	0.13806	0.14367	500.06	519.68	0.14287	0.14848	16.84	16.83	3.48%	3.35%	16.83	3.40%
4,000	549.75	572.18	0.13744	0.14305	568.99	591.42	0.14225	0.14786	19.24	19.24	3.50%	3.36%	19.24	3.42%
4,500	616.28	641.51	0.13695	0.14256	637.93	663.15	0.14176	0.14737	21.65	21.64	3.51%	3.37%	21.64	3.43%
5,000	682.81	710.84	0.13656	0.14217	706.86	734.89	0.14137	0.14698	24.05	24.05	3.52%	3.38%	24.05	3.44%
5,500	749.34	780.17	0.13624	0.14185	775.79	806.63	0.14105	0.14666	26.45	26.46	3.53%	3.39%	26.46	3.45%
6,000	815.87	849.51	0.13598	0.14159	844.73	878.37	0.14079	0.14640	28.86	28.86	3.54%	3.40%	28.86	3.45%
6,500	882.40	918.84	0.13575	0.14136	913.66	950.10	0.14056	0.14617	31.26	31.26	3.54%	3.40%	31.26	3.46%
7,000	948.92	988.17	0.13556	0.14117	982.59	1,021.84	0.14037	0.14598	33.67	33.67	3.55%	3.41%	33.67	3.46%
7,500	1,015.45	1,057.50	0.13539	0.14100	1,051.53	1,093.58	0.14020	0.14581	36.08	36.08	3.55%	3.41%	36.08	3.47%
8,000	1,081.98	1,126.83	0.13525	0.14085	1,120.46	1,165.31	0.14006	0.14566	38.48	38.48	3.56%	3.41%	38.48	3.47%
8,500	1,148.51	1,196.17	0.13512	0.14073	1,189.40	1,237.05	0.13993	0.14554	40.89	40.88	3.56%	3.42%	40.88	3.48%
9,000	1,215.04	1,265.50	0.13500	0.14061	1,258.33	1,308.79	0.13981	0.14542	43.29	43.29	3.56%	3.42%	43.29	3.48%
9,500	1,281.57	1,334.83	0.13490	0.14051	1,327.26	1,380.53	0.13971	0.14532	45.69	45.70	3.57%	3.42%	45.70	3.48%
10,000	1,348.10	1,404.16	0.13481	0.14042	1,396.20	1,452.26	0.13962	0.14523	48.10	48.10	3.57%	3.43%	48.10	3.48%
11,000	1,481.16	1,542.83	0.13465	0.14026	1,534.07	1,595.74	0.13946	0.14507	52.91	52.91	3.57%	3.43%	52.91	3.49%
12,000	1,614.21	1,681.49	0.13452	0.14012	1,671.93	1,739.21	0.13933	0.14493	57.72	57.72	3.58%	3.43%	57.72	3.49%
13,000	1,747.27	1,820.16	0.13441	0.14001	1,809.80	1,882.69	0.13922	0.14482	62.53	62.53	3.58%	3.44%	62.53	3.49%
14,000	1,880.33	1,958.82	0.13431	0.13992	1,947.67	2,026.16	0.13912	0.14473	67.34	67.34	3.58%	3.44%	67.34	3.50%
15,000	2,013.39	2,097.49	0.13423	0.13983	2,085.54	2,169.64	0.13904	0.14464	72.15	72.15	3.58%	3.44%	72.15	3.50%
17,500	2,346.03	2,444.15	0.13406	0.13967	2,430.21	2,528.32	0.13887	0.14448	84.18	84.17	3.59%	3.44%	84.17	3.50%
20,000	2,678.68	2,790.81	0.13393		2,774.88	2,887.01	0.13874	0.14435	96.20	96.20	3.59%	3.45%	96.20	3.51%
22,500	3,011.32	3,137.47	0.13384	0.13944	3,119.55	3,245.69	0.13865	0.14425	108.23	108.22	3.59%	3.45%	108.22	3.51%
25,000	3,343.97	3,484.13	0.13376	0.13937	3,464.22	3,604.38	0.13857	0.14418	120.25	120.25	3.60%	3.45%	120.25	3.51%
KWH DIS	STRIBUTION							PRESENT			PROPOSED			
ALL CURE	ED HOUDO HOE		INT	OFF PK										
	ER HOURS USE =	29%	25%					SUMMER	WINTER		SUMMER	WINTER		
ALL WINTE	R HOURS USE =	22%	25%	53%			CUSTOMER ENERGY (kWh)	17.52	17.52	CUSTOMER ENERGY (kWh)	17.52	17.52		
							On Peak	0.12905	0.12810	On Peak	0.12905	0.12810		
							lata and a dista	0.14005	0.12010		5500			

Intermediate

Surcharges

Off Peak

0.11885

0.11474

0.01314

0.12706

0.12373

0.01314

Intermediate

Surcharges

Off Peak

0.11885 0.12706

0.11474 0.12373 0.01795 0.01795

POTOMAG ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 1 SCHEDULE "GS ND" DISTRICT OF COLUMBIA

		PRESENT	GS_ND			PROPOSED	GS_ND				INCREASE	Ē		
KWH	\$ AMOUN			WH	\$ AMOUN	T OF BILL	\$/KV	VH	(\$)	(\$)	(%)	(%)	(\$)	(%)
	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER			
-														
0	23.39	23.39		-	23.39	23.39	-		0.00	0.00	0.00%	0.00%	0.00	0.00%
10	24.51	24.49		2.44900	24.54	24.52		2.45200	0.03	0.03	0.12%	0.12%	0.03	0.12%
20	25.63	25.59		1.27950	25.69	25.65		1.28250	0.06	0.06	0.23%	0.23%	0.06	0.23%
30	26.76	26.69		0.88967	26.84	26.78		0.89267	0.08	0.09	0.30%	0.34%	0.09	0.32%
40	27.88	27.79		0.69475	28.00	27.91		0.69775	0.12	0.12	0.43%	0.43%	0.12	0.43%
50	29.00	28.89	0.58000	0.57780	29.15	29.04	0.58300	0.58080	0.15	0.15	0.52%	0.52%	0.15	0.52%
400	0.4.04	04.40	0.04040	0.04400							1000 - 1000 - 1000			
100	34.61	34.40	0.34610		34.90	34.69		0.34690	0.29	0.29	0.84%	0.84%	0.29	0.84%
150	40.22	39.90		0.26600	40.66	40.35		0.26900	0.44	0.45	1.09%	1.13%	0.45	1.11%
200	45.83	45.41		0.22705	46.42	46.00		0.23000	0.59	0.59	1.29%	1.30%	0.59	1.29%
250	51.44	50.91		0.20364	52.18	51.65		0.20660	0.74	0.74	1.44%	1.45%	0.74	1.45%
300	57.04	56.41		0.18803	57.93	57.30		0.19100	0.89	0.89	1.56%	1.58%	0.89	1.57%
400	68.26	67.42	0.17065	0.16855	69.45	68.61	0.17363	0.17153	1.19	1.19	1.74%	1.77%	1.19	1.76%
500	70.49	70.42	0.45906	0.45000	90.00	70.04	0.40400	0.45000	4.40	4.40	4 000/			
500	79.48		0.15896		80.96	79.91		0.15982	1.48	1.48	1.86%	1.89%	1.48	1.88%
600 700	90.70		0.15117		92.48	91.22		0.15203	1.78	1.78	1.96%	1.99%	1.78	1.98%
800	101.92	100.45		0.14350	103.99	102.52		0.14646	2.07	2.07	2.03%	2.06%	2.07	2.05%
	113.14	111.46	0.14143		115.50	113.82		0.14228	2.36	2.36	2.09%	2.12%	2.36	2.10%
900	124.35	122.46	0.13817		127.02	125.13		0.13903	2.67	2.67	2.15%	2.18%	2.67	2.17%
1,000	135.57	133.47	0.13557	0.13347	138.53	136.43	0.13853	0.13643	2.96	2.96	2.18%	2.22%	2.96	2.20%
1,250	163.62	160.99	0.13090	0 12870	167.32	164.69	0.13386	0 12175	3.70	2.70	0.000/	0.000/	0.70	0.000/
1,500	191.66	188.51	0.13090		196.10	192.95	0.13073		4.44	3.70 4.44	2.26%	2.30%	3.70	2.28%
1,750	219.71	216.03	0.12777		224.89	221.21	0.13073		5.18	5.18	2.32%	2.36%	4.44	2.34%
2,000	247.75	243.55			253.67	249.47	0.12684		5.92	5.16	2.36%	2.40%	5.18	2.38%
2,500	303.84	298.59			311.24	305.99	0.12450		7.40	7.40	2.39% 2.44%	2.43%	5.92	2.41%
3,000	359.94		0.11998		368.82	362.52	0.12430		8.88	8.88	2.44%	2.48% 2.51%	7.40	2.46%
0,000	000.04	000.04	0.11000	0.11700	300.02	302.32	0.12294	0.12004	0.00	0.00	2.47%	2.51%	8.88	2.49%
3,500	416.03	408.68	0.11887	0.11677	426.39	419.04	0.12183	0.11973	10.36	10.36	2.49%	2.53%	10.36	2.52%
4,000	472.12	463.72	0.11803		483.96	475.56	0.12099		11.84	11.84	2.51%	2.55%	11.84	2.53%
5,000	584.30	573.80			599.10	588.60	0.11982		14.80	14.80	2.53%	2.58%	14.80	2.56%
6,000	696.48	683.88	0.11608		714.24	701.64	0.11904		17.76	17.76	2.55%	2.60%	17.76	2.58%
									.,., •		2.0070	2.0070	17.70	2.0070

	PRES	SENT	PROPO	SED
	SUMMER	WINTER	SUMMER	WINTER
CUSTOMER ENERGY (kWh)	23.39	23.39	23.39	23.39
All Kilowatt-hours	0.10888	0.10678	0.10888	0.10678
Surcharges	0.003302	0.003302	0.006262	0.006262

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 1 SCHEDULE "GS D LV" DISTRICT OF COLUMBIA

			PRESENT	GS_D_LV			PROPOSED	GS_D_LV				INCRE	ASE	
KW	Hours Use	KWH	\$ AMOUN			WH	\$ AMOUNT	OF BILL	\$/KWI	1	(\$)	(\$)	(%)	(%)
			SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER
						10. 100.00								
10		1000	195.07	192.48	0.19507	0.19248	200.75	198.16		0.19816	5.68	5.68	2.91%	2.95%
	200	2000	317.74	312.56	0.15887	0.15628	329.10	323.92	0.16455	0.16196	11.36	11.36	3.58%	3.63%
	300	3000	440.40	432.63	0.14680		457.44	449.67	0.15248	0.14989	17.04	17.04	3.87%	3.94%
	400	4000	563.06	552.70	0.14077	0.13818	585.78	575.42	0.14645	0.14386	22.72	22.72	4.04%	4.11%
	500	5000	685.73	672.78	0.13715		714.13	701.18	0.14283	0.14024	28.40	28.40	4.14%	4.22%
	600	6000	808.39	792.85	0.13473	0.13214	842.47	826.93	0.14041	0.13782	34.08	34.08	4.22%	4.30%
25		2,500	447.02	440.54	0.17881	0.17622	461.22	454.74	0.18449	0.18190	14.20	14.20	3.18%	3.22%
	200	5,000	753.68	740.73		0.14815	782.08	769.13	0.15642	0.15383	28.40	28.40	3.77%	3.83%
	300	7,500	1,060.33	1,040.91	0.14138		1,102.93	1,083.51	0.14706	0.14447	42.60	42.60	4.02%	4.09%
		10,000	1,366.99	1,341.09	0.13670		1,423.79	1,397.89	0.14238	0.13979	56.80	56.80	4.16%	4.24%
		12,500	1,673.65	1,641.28		0.13130	1,744.65	1,712.28	0.13957	0.13698	71.00	71.00	4.24%	4.33%
	600	15,000	1,980.31	1,941.46	0.13202	0.12943	2,065.51	2,026.66	0.13770	0.13511	85.20	85.20	4.30%	4.39%
						L 10000								
50		5,000	866.93	853.98		0.17080	895.33	882.38	0.17907		28.40	28.40	3.28%	3.33%
		10,000	1,480.24	1,454.34	0.14802	10000110 10000 10000	1,537.04	1,511.14	0.15370	0.15111	56.80	56.80	3.84%	3.91%
		15,000	2,093.56	2,054.71		0.13698	2,178.76	2,139.91	0.14525	0.14266	85.20	85.20	4.07%	4.15%
		20,000	2,706.87	2,655.07	0.13534		2,820.47	2,768.67	0.14102	0.13843	113.60	113.60	4.20%	4.28%
		25,000	3,320.19	3,255.44	0.13281		3,462.19	3,397.44	0.13849	0.13590	142.00	142.00	4.28%	4.36%
	600	30,000	3,933.51	3,855.81	0.13112	0.12853	4,103.91	4,026.21	0.13680	0.13421	170.40	170.40	4.33%	4.42%
7,	100	7.500	4 000 00	4 00= 44	0.45450									
75		7,500	1,286.83	1,267.41	0.17158		1,329.43	1,310.01	0.17726		42.60	42.60	3.31%	3.36%
		15,000	2,206.81	2,167.96	0.14712		2,292.01	2,253.16	0.15280		85.20	85.20	3.86%	3.93%
		22,500	3,126.78	3,068.51	and the second	0.13638	3,254.58	3,196.31	0.14465		127.80	127.80	4.09%	4.16%
		30,000	4,046.76	3,969.06		0.13230	4,217.16	4,139.46	0.14057		170.40	170.40	4.21%	4.29%
		37,500	4,966.73	4,869.60	0.13245		5,179.73	5,082.60	0.13813		213.00	213.00	4.29%	4.37%
	600	45,000	5,886.70	5,770.15	0.13082	0.12823	6,142.30	6,025.75	0.13650	0.13391	255.60	255.60	4.34%	4.43%

	PRE	SENT	PROP	OSED
	SUMMER	WINTER	SUMMER	WINTER
CUSTOMER	27.11	27.11	27.11	27.11
ENERGY (kWh)				
first 6000	0.11520	0.11261	0.11520	0.11261
additional	0.11520	0.11261	0.11520	0.11261
Surcharges	0.0074632	0.0074632	0.013143	0.0131432
DEMAND (kW)	4.53	4.53	4.53	4.53

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 1 SCHEDULE "GT LV" DISTRICT OF COLUMBIA

HOURS			PRESENT 'C	GT-LV'			PROPOSED 'GT- LV'			INCREASE		E		
USE	KWH	\$ AMOUN	IT OF BILL	\$/K	WH	\$ AMOU	NT OF BILL	\$/K	WH	-	(\$)	(\$)	(%)	(%)
		SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER		SUMMER	WINTER	SUMMER	
						MAXIMUM A	ND ON PEAK DE	MAND =	100	KW				
200	20,000	3,349.51	3,353.61	0.16748	0.16768	3,419.91	3,424.01	0.17100	0.17120		70.40	70.40	2.10%	2.10%
300	30,000	4,272.36	4,329.68	0.14241	0.14432	4,377.96	4,435.28	0.14593	0.14784		105.60	105.60	2.47%	2.44%
400	40,000	5,164.13	5,298.09	0.12910	0.13245	5,304.93	5,438.89	0.13262	0.13597		140.80	140.80	2.73%	2.66%
500	50,000	6,043.00	6,262.77	0.12086	0.12526	6,219.00	6,438.77	0.12438	0.12878		176.00	176.00	2.91%	2.81%
600	60,000	6,920.61	7,226.58	0.11534	0.12044	7,131.81	7,437.78	0.11886	0.12396		211.20	211.20	3.05%	
									300	KW				
200	60,000	9,290.46	9,302.77	0.15484	0.15505	9,501.66	9,513.97	0.15836	0.15857		211.20	211.20	2.27%	2.27%
300	90,000	12,059.00	12,230.96	0.13399	0.13590	12,375.80	12,547.76	0.13751	0.13942		316.80	316.80	2.63%	2.59%
400	120,000	14,734.32	15,136.21	0.12279	0.12614	15,156.72	15,558.61	0.12631	0.12966		422.40	422.40	2.87%	2.79%
500	150,000	17,370.93	18,030.24		0.12020	17,898.93	18,558.24	0.11933	0.12372		528.00	528.00	3.04%	2.93%
600	180,000	20,003.77	20,921.66		0.11623	20,637.37	21,555.26	0.11465	0.11975		633.60	633.60	3.17%	
									500	ĸw				
200	100,000	15,231.40	15,251.93	0.15231	0.15252	15,583.40	15.603.93	0.15583	0.15604		352.00	352.00	2.31%	2.31%
300	150,000	19,845.64	20,132.25		0.13422	20,373.64	20,660.25	0.13582	0.13774		528.00	528.00	2.66%	2.62%
400	200,000	24,304.51	24,974.32		0.12487	25,008.51	25,678.32	0.12504	0.12839		704.00	704.00	2.90%	2.82%
500	250,000	28,698.86	29,797.71	0.11480	0.11919	29,578.86	30,677.71	0.11832	0.12271		880.00	880.00	3.07%	2.95%
600	300,000	33,086.93	34,616.74		0.11539	34,142.93	35,672.74	0.11381	0.11891		1,056.00	1,056.00	3.19%	3.05%
									4 000	LEVAL				
200	200,000	30,083.77	30,124.83	0.15042	0.15062	20 707 77	20 020 02	0.45004	1,000	IN VV	70400	70400	0.040/	0.040/
300	300,000	39,312.24	39,885.46		0.13062	30,787.77 40,368.24	30,828.83	0.15394	0.15414		704.00	704.00	2.34%	2.34%
400	400,000	48,229.99	49,569.61	0.13104	0.13293		40,941.46 50,977.61	0.13456	0.13647		1,056.00	1,056.00	2.69%	2.65%
500	500,000	57,018.68	59,216.38	0.12037	0.12392	49,637.99	60.976.38	0.12409 0.11756	0.12744		1,408.00	1,408.00	2.92%	2.84%
600	600,000	65,794.83	68,854.45		0.11643	58,778.68 67,906.83	70,966.45	0.11756	0.12195 0.11828		1,760.00 2,112.00	1,760.00 2,112.00	3.09% 3.21%	2.97% 3.07%
		55,1.5.1155	00,000	0.10000	0.11110	07,000.00	70,000.40		0.11020			,		3.07 70
KWF	DISTRIBUTION							PRESENT				PROPOSED		
000		ON PK	INT	OFF PK										
	HOURS USE =	31%	29%	40%				SUMMER					WINTER	
	HOURS USE =	33%	27%	40%			CUSTOMER	379.03	379.03		CUSTOMER	379.03	379.03	
	HOURS USE =	30%	26%	44%			DEMAND (kW)				DEMAND (kW)			
	HOURS USE =	27%	25%	48%			On Peak	1.1759	0.0000		On Peak	1.1759	0.0000	
600	HOURS USE =	25%	24%	51%			Maximum	10.2297	10.2297		Maximum	10.2297	10.2297	
							ENERGY (kWh)	NEW WITHHALL ON THE			ENERGY (kWh)			
							On Peak	0.08644	0.08298		On Peak	0.08644	0.08298	
							Int Peak	0.07329	0.08255		Int Peak	0.07329	0.08255	
							Off Peak	0.06702	0.07820		Off Peak	0.06702	0.07820	
							SURCHARGES	0.01664	0.01664		SURCHARGES	0.02016	0.02016	

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 1 SCHEDULE "GT LV" DISTRICT OF COLUMBIA

HOURS			PRESENT 'C	GT-LV'		PROPOSED 'GT- LV'					INCREAS	E		
USE	KWH		IT OF BILL	\$/K	WH	\$ AMOU	NT OF BILL	\$/K	WH	-	(\$)	(\$)	(%)	(%)
		SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER		SUMMER	WINTER	SUMMER	
						MAXIMUM AI	ND ON PEAK DE	MAND =	2,000	KW				
200	400,000	59,788.51	59,870.63	0.14947	0.14968	61,196.51	61,278.63	0.15299	0.15320		1,408.00	1,408.00	2.35%	2.35%
300	600,000	78,245.45	79,391.89	0.13041	0.13232	80,357.45	81,503.89	0.13393	0.13584		2,112.00	2,112.00	2.70%	
400	800,000	96,080.95	98,760.19	0.12010	0.12345	98,896.95	101,576.19	0.12362	0.12697		2,816.00	2,816.00	2.93%	
500	1,000,000	113,658.33	118,053.73	0.11366	0.11805	117,178.33	121,573.73	0.11718	0.12157		3,520.00	3,520.00	3.10%	
600	1,200,000	131,210.63	137,329.87	0.10934	0.11444	135,434.63	141,553.87	0.11286	0.11796		4,224.00	4,224.00	3.22%	
									4,000	ĸw				
200	800,000	119,197.99	119,362.23	0.14900	0.14920	122,013.99	122,178.23	0.15252	0.15272		2,816.00	2,816.00	2.36%	2.36%
300		156,111.87	158,404.75		0.13200	160,335.87	162,628.75	0.13361	0.13552		4,224.00	4,224.00	2.71%	2.67%
400		191,782.87	197,141.35		0.12321	197,414.87	202,773.35	0.12338	0.12673		5,632.00	5,632.00	2.94%	
500	At the control of the	226,937.63	235,728.43		0.11786	233,977.63	242,768.43	0.11699	0.12138		7,040.00	7.040.00	3.10%	
600		262,042.23	274,280.71		0.11428	270,490.23	282,728.71	0.11270	0.12130		8,448.00	8,448.00	3.10%	
	_, _, _,	,			0.11.120	270,100.20	202,720.71	0.11270	0.11700		0,440.00	0,440.00	J.ZZ 70	3.0070
									6,000	KW				
200	1,200,000	178,607.47	178,853.83	0.14884	0.14904	182,831.47	183,077.83	0.15236	0.15256		4,224.00	4,224.00	2.36%	2.36%
300	1,800,000	233,978.29	237,417.61		0.13190	240,314.29	243,753.61	0.13351	0.13542		6,336.00	6,336.00	2.71%	2.67%
400	2,400,000	287,484.79	295,522.51	0.11979	0.12313	295,932.79	303,970.51	0.12331	0.12665		8,448.00	8,448.00	2.94%	2.86%
500	3,000,000	340,216.93	353,403.13	0.11341	0.11780	350,776.93	363,963.13	0.11693	0.12132		10,560.00	10,560.00	3.10%	
600	3,600,000	392,873.83	411,231.55	0.10913	0.11423	405,545.83	423,903.55	0.11265	0.11775		12,672.00	12,672.00	3.23%	3.08%
									8,000	KW				
200	1,600,000	238,016.95	238,345.43	0 14876	0.14897	243,648.95	243,977.43	0.15228	0.15249	LAA	5,632.00	F C22 00	0.070/	0.000/
300	2,400,000	311,844.71	316,430.47		0.13185	320,292.71	324,878.47					5,632.00	2.37%	2.36%
400	3,200,000	383,186.71	393,903.67		0.13103	394,450.71		0.13346	0.13537		8,448.00	8,448.00	2.71%	
500	4,000,000	453,496.23	471,077.83		0.12309	467,576.23	405,167.67 485,157.83	0.12327 0.11689	0.12661		11,264.00	11,264.00	2.94%	2.86%
600		523,705.43	548,182.39	0.11337	0.11777	540,601.43	565,078.39	0.11689	0.12129 0.11772		14,080.00	14,080.00	3.10%	2.99%
000	4,000,000	323,703.43	340, 102.39	0.10911	0.11420	340,001.43	363,076.39	0.11203	0.11772		16,896.00	16,896.00	3.23%	3.08%
KWH	DISTRIBUTION	_						PRESENT				PROPOSED		
			INT	OFF PK										
	HOURS USE =	31%	29%	40%				SUMMER	WINTER			SUMMER	WINTER	
	HOURS USE =	33%	27%	40%			CUSTOMER	379.03	379.03		CUSTOMER	379.03	379.03	
	HOURS USE =	30%	26%	44%			DEMAND (kW)				DEMAND (kW)			
500	HOURS USE =	27%	25%	48%			On Peak	1.1759	0.0000		On Peak	1.1759	0.0000	
600	HOURS USE =	25%	24%	51%			Maximum	10.2297	10.2297		Maximum	10.2297	10.2297	
							ENERGY (kWh)				ENERGY (kWh)		The state of the s	
							On Peak	0.08644	0.08298		On Peak	0.08644	0.08298	
							Int Peak	0.07329	0.08255		Int Peak	0.07329	0.08255	
							Off Peak	0.06702	0.07820		Off Peak	0.06702	0.07820	
							SURCHARGES	0.01664	0.01664		SURCHARGES	0.02016	0.02016	

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 1 SCHEDULE "GT 3A" DISTRICT OF COLUMBIA

	(%) (%) MMER WINTER
THINEIT OUR	
MAXIMUM AND ON PEAK DEMAND = 1,000 KW	
	1.70% 1.71%
300 300,000 32,776.44 33,146.38 0.10925 0.11049 33,403.44 33,773.38 0.11134 0.11258 627.00 627.00	1.91% 1.89%
400 400,000 40,592.07 41,648.35 0.10148 0.10412 41,428.07 42,484.35 0.10357 0.10621 836.00 836.00 2	2.06% 2.01%
Las carries delegate principal appears a solution of the contract of the contr	2.17% 2.09%
***	2.24% 2.14%
2,000 KW	
The second secon	1.70% 1.71%
	1.92% 1.90%
	2.06% 2.01%
1,072.00	2.17% 2.09%
2,000.00	2.25% 2.15%
7,500.00 7,500.00 2,500.00 2,500.00 2	2.2370 2.1370
5,000 KW	
	1.71% 1.71%
	1.92% 1.90%
0,100.00	2.07% 2.01%
The second secon	2.17% 2.09%
0,2200	2.25% 2.15%
200 0,000,000 270,000.00 251,072.00 0.03237 0.03702 200,170.00 200,242.30 0.03300 0.03341 0,270.00 0,270.00 2	2.25% 2.15%
7,500 KW	
	1.71% 1.71%
	1.92% 1.90%
1,102.00	
0,270.00	
1,001.00	2.17% 2.09%
600 4,500,000 418,274.48 437,883.08 0.09295 0.09731 427,679.48 447,288.08 0.09504 0.09940 9,405.00 9,405.00 2	2.25% 2.15%
KWH DISTRIBUTION PROPOSED	
ON PK INT OFF PK	
Market V Mar	UTED
COMMENT VIIITE	NTER
TOZ.OU TO	152.63
	0.0000
	7.1186
ENERGY (kWh) ENERGY (kWh)	man 198
On Peak 0.07900 0.07495 On Peak 0.07900 0.0	07495

Int Peak

Off Peak

SURCHARGES

0.06475 0.07304

0.06678

0.01508

0.05641

0.01508

Int Peak

Off Peak

SURCHARGES

0.06475 0.07304

0.05641 0.06678

0.01717 0.01717

POTOMAC ÉLECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 1 SCHEDULE "GT 3A" DISTRICT OF COLUMBIA

HOURS			PRESENT 'G	T-3A'			PROPOSED 'G'	T- 3A'				INCREASE		
USE	KWH	\$ AMOUN	IT OF BILL	\$/K	WH	\$ AMOUN	NT OF BILL	\$/K	WH		(\$)	(\$)	(%)	(%)
		SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER		SUMMER	WINTER	SUMMER	. ,
						MAXIMUM AN	D ON PEAK DEM	AND =	10,000	KW				
200	2,000,000	244,620.03	243,763.23	0.12231	0.12188	248,800.03	247,943.23	0.12440	0.12397		4,180.00	4,180.00	1.71%	1.71%
300	3,000,000	326,390.73	330,090.13	0.10880	0.11003	332,660.73	336,360.13	0.11089	0.11212		6,270.00	6,270.00	1.92%	1.90%
400	4,000,000	404,547.03	415,109.83	0.10114	0.10378	412,907.03	423,469.83	0.10323	0.10587		8,360.00	8,360.00	2.07%	2.01%
500	5,000,000	481,181.13	499,514.13	0.09624	0.09990	491,631.13	509,964.13	0.09833	0.10199		10,450.00	10,450.00	2.17%	2.09%
600	6,000,000	557,648.43	583,793.23	0.09294	0.09730	570,188.43	596,333.23	0.09503	0.09939		12,540.00	12,540.00	2.25%	2.15%
									20,000	ĸw				
200	4,000,000	489,087.43	487,373.83	0.12227	0.12184	497,447.43	495,733.83	0.12436	0.12393		8,360.00	8,360.00	1.71%	1.72%
300		652,628.83	660,027.63	0.10877	0.11000	665,168.83	672,567.63	0.11086	0.11200		12,540.00	12,540.00	1.92%	1.90%
400	1450	808,941.43	830,067.03	0.10112	0.10376	825,661.43	846,787.03		0.10585		16,720.00	16,720.00	2.07%	2.01%
500		962,209.63	998,875.63	0.09622	0.09989	983,109.63	1,019,775.63	0.09831	0.10198		20,900.00	20,900.00	2.17%	2.09%
600	12,000,000	1,115,144.23	1,167,433.83	0.09293	0.09729	1,140,224.23	1,192,513.83	0.09502	0.09938		25,080.00	25,080.00	2.25%	2.15%
									20.000	LVAI				
200	6,000,000	733,554.83	730,984.43	0.12226	0.12183	746,094.83	743,524.43	0.12435	30,000 0.12392	IN VV	10 540 00	10 540 00	4 740/	4 700/
300		978,866.93	989,965.13	0.12220	0.12103	997,676.93	1,008,775.13		0.12392		12,540.00 18,810.00	12,540.00	1.71%	1.72%
400		1,213,335.83	1,245,024.23	0.10070	0.11000	1,238,415.83	1,270,104.23	0.11005	0.11209		25,080.00	18,810.00 25,080.00	1.92% 2.07%	1.90% 2.01%
500		1,443,238.13	1,498,237.13	0.09622	0.10373	1,474,588.13	1,529,587.13	0.10320	0.10364		31,350.00	31,350.00		
600		1,672,640.03	1,751,074.43		0.09300	1,710,260.03	1,788,694.43	0.09501	0.10197		37,620.00	37,620.00	2.17% 2.25%	2.09% 2.15%
000	10,000,000	1,072,040.00	1,701,074.40	0.03232	0.03720	1,710,200.03	1,700,094.43	0.09301	0.09937		37,020.00	37,020.00	2.25%	2.15%
									40,000	KW				
200	8,000,000	978,022.23	974,595.03	0.12225	0.12182	994,742.23	991,315.03	0.12434	0.12391		16,720.00	16,720.00	1.71%	1.72%
300	12,000,000	1,305,105.03	1,319,902.63	0.10876	0.10999	1,330,185.03	1,344,982.63	0.11085	0.11208		25,080.00	25,080.00	1.92%	1.90%
400	16,000,000	1,617,730.23	1,659,981.43	0.10111	0.10375	1,651,170.23	1,693,421.43	0.10320	0.10584		33,440.00	33,440.00	2.07%	2.01%
500	20,000,000	1,924,266.63	1,997,598.63	0.09621	0.09988	1,966,066.63	2,039,398.63	0.09830	0.10197		41,800.00	41,800.00	2.17%	2.09%
600	24,000,000	2,230,135.83	2,334,715.03	0.09292	0.09728	2,280,295.83	2,384,875.03	0.09501	0.09937		50,160.00	50,160.00	2.25%	2.15%
KWH	DISTRIBUTION							PRESENT				PROPOSED		
	Did i i i i i i i i i i i i i i i i i i	ON PK	INT	OFF PK				TICLOLIVI				FROFOSED		
200	HOURS USE =	31%	29%	40%				SUMMER	WINTER			SUMMER	WINTER	
	HOURS USE =	33%	27%	40%			CUSTOMER	152.63	152.63		CUSTOMER	152.63	152.63	
	HOURS USE =	30%	26%	44%			DEMAND (kW)	102.00	102.00		DEMAND (kW)	132.03	132.03	
	HOURS USE =	27%	25%	48%			On Peak	1.1450	0.0000		On Peak	1.1450	0.0000	
	HOURS USE =	25%	24%	51%			Maximum	7.1186	7.1186		Maximum	7.1186	7.1186	
			, ,	0170			ENERGY (kWh)		7.1100		ENERGY (kWh)	7.1100	7.1100	
							On Peak	0.07900	0.07495		On Peak	0.07900	0.07495	
							Int Peak	0.06475	0.07304		Int Peak	0.07900	0.07493	
							Off Peak	0.05641	0.06678		Off Peak	0.05641	0.06678	
							SURCHARGES		0.01508		SURCHARGES	0.03041	0.00078	
							- 31.01.11.10E0	0.01000	3.01000		CONCIDENCE	0.01717	0.01717	

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 1 SCHEDULE "GT 3B" DISTRICT OF COLUMBIA

600 HOURS USE =

25%

24%

51%

HOURS			PRESENT	GT-3B'			PROPOSED	'GT- 3B'			INCR	EASE	
USE	KWH	\$ AMOUN	T OF BILL	\$/K\	WH	\$ AMOUN	T OF BILL	\$/k	KWH	(\$)	(\$)	(%)	(%)
		SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER
			sas la raa		au www.common	MAXIMUM AND			10,000 KV	1			
200		275,474.77	275,474.77	0.13774	0.13774	275,874.77	275,874.77		0.13794	400.00	400.00	0.15%	0.15%
300		396,850.97	396,850.97	0.13228	0.13228	397,450.97	397,450.97	0.13248	0.13248	600.00	600.00	0.15%	0.15%
400		518,227.17	518,227.17	0.12956	0.12956	519,027.17	519,027.17	0.12976	0.12976	800.00	800.00	0.15%	0.15%
500		639,603.37	639,603.37	0.12792	0.12792	640,603.37	640,603.37	0.12812	0.12812	1,000.00	1,000.00	0.16%	0.16%
600	6,000,000	760,979.57	760,979.57	0.12683	0.12683	762,179.57	762,179.57	0.12703	0.12703	1,200.00	1,200.00	0.16%	0.16%
									20,000 KV	,			
200	4,000,000	549,815.17	549,815.17	0.13745	0.13745	550,615.17	550,615.17	0.13765	0.13765	800.00	800.00	0.15%	0.15%
300		792,567.57	792,567.57	0.13209	0.13209	793,767.57	793,767.57	0.13229	0.13229	1,200.00	1,200.00	0.15%	0.15%
400		1,035,319.97	1.035.319.97	0.12941	0.12941	1,036,919.97	1,036,919.97	0.12961	0.13229	1,200.00	1,600.00		
500		1,278,072.37	1,278,072.37	0.12781	0.12781	1,280,072.37	1,280,072.37	0.12801	0.12801	2,000.00	2,000.00	0.15%	0.15%
600		1,520,824.77	1,520,824.77	0.12674	0.12701	1,523,224.77	1,523,224.77	0.12601	0.12694			0.16%	0.16%
000	12,000,000	1,020,024.77	1,020,024.77	0.12074	0.12074	1,323,224.77	1,525,224.77	0.12694	0.12694	2,400.00	2,400.00	0.16%	0.16%
									30,000 KV	i			
200	6,000,000	824,155.57	824,155.57	0.13736	0.13736	825,355.57	825,355.57	0.13756	0.13756	1,200.00	1,200.00	0.15%	0.15%
300	9,000,000	1,188,284.17	1,188,284.17	0.13203	0.13203	1,190,084.17	1,190,084.17	0.13223	0.13223	1,800.00	1,800.00	0.15%	0.15%
400	12,000,000	1,552,412.77	1,552,412.77	0.12937	0.12937	1,554,812.77	1,554,812.77	0.12957	0.12957	2,400.00	2,400.00	0.15%	0.15%
500	15,000,000	1,916,541.37	1,916,541.37	0.12777	0.12777	1,919,541.37	1,919,541.37	0.12797	0.12797	3,000.00	3,000.00	0.16%	0.16%
600	18,000,000	2,280,669.97	2,280,669.97	0.12670	0.12670	2,284,269.97	2,284,269.97	0.12690	0.12690	3,600.00	3,600.00	0.16%	0.16%
									40.000 101				
200	8,000,000	1,098,495.97	1 000 105 07	0.40704	0.40704	4 400 005 07	4 400 005 07	0.40754	40,000 KV				
300			1,098,495.97	0.13731	0.13731	1,100,095.97	1,100,095.97	0.13751	0.13751	1,600.00	1,600.00	0.15%	0.15%
		1,584,000.77	1,584,000.77	0.13200	0.13200	1,586,400.77	1,586,400.77	0.13220	0.13220	2,400.00	2,400.00	0.15%	0.15%
400		2,069,505.57	2,069,505.57	0.12934	0.12934	2,072,705.57	2,072,705.57	0.12954	0.12954	3,200.00	3,200.00	0.15%	0.15%
500		2,555,010.37	2,555,010.37	0.12775	0.12775	2,559,010.37	2,559,010.37	0.12795	0.12795	4,000.00	4,000.00	0.16%	0.16%
600	24,000,000	3,040,515.17	3,040,515.17	0.12669	0.12669	3,045,315.17	3,045,315.17	0.12689	0.12689	4,800.00	4,800.00	0.16%	0.16%
KWH DIS	STRIBUTION							PRESENT			PROPOSED		
		ON PK	INT	OFF PK									
200	HOURS USE =	31%	29%	40%				SUMMER	WINTER		SUMMER	WINTER	
300	HOURS USE =	33%	27%	40%			CUSTOMER	1134.37	1134.37	CUSTOMER	1134.37	1134.37	
400	HOURS USE =	30%	26%	44%			DEMAND (kW)		1 00 0000	DEMAND (kW			
500	HOURS USE =	27%	25%	48%			On Peak	1.0636	1.0636	On Peak	1.0636	1.0636	
600	HOURS HEE -	250/	0.40/	E40/							1.0000	1.0000	

Maximum

On Peak

Int Peak

Off Peak

ENERGY (kWh)

SURCHARGES

2.0952

0.10790

0.10790

0.10790

0.01348

Maximum

On Peak

Int Peak

Off Peak

SURCHARG

ENERGY (kWh)

2.0952

0.10790

0.10790

0.10790

0.01368

2.0952

0.10790

0.10790

0.10790

0.01368

2.0952

0.10790

0.10790

0.10790

0.01348

J. F. JANOCHA
Direct Exhibit
DC P.S.C. -- July, 2017

Introduced as: PEPCO _____ (C) - 7

POTOMAC ELECTRIC POWER COMPANY **BILL IMPACTS - UNDERGROUND RIDER - YEAR 2** SCHEDULE "R"

DISTRICT OF COLUMBIA

	PF	RESENT SC	HEDULE R	?	PROPOSED SCHEDULE R				INCREASE					
KWH	\$ AMOUNT	OF BILL	\$/K	WH	\$ AMOUN	F OF BILL	\$/K	WH	(\$)	(\$)	(%)	(%)	(\$)	(%)
	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER			ANNUAL
0	15.21	15.40	-	_	15.21	15.40	-	-	0.00	0.00	0.00%	0.00%	0.00	0.00%
10	15.39	15.58	1.53900	1.55800	15.40	15.59	1.54000	1.55900	0.01	0.01	0.06%	0.06%	0.01	0.06%
20	15.57	15.76	0.77850	0.78800	15.60	15.79	0.78000	0.78950	0.03	0.03	0.19%	0.19%	0.03	0.19%
30	15.75	15.94	0.52500	0.53133	15.79	15.98	0.52633	0.53267	0.04	0.04	0.25%	0.25%	0.04	0.25%
40	16.75	16.94	0.41875	0.42350	16.81	17.00	0.42025	0.42500	0.06	0.06	0.36%	0.35%	0.06	0.36%
50	17.76	17.95	0.35520	0.35900	17.83	18.02	0.35660	0.36040	0.07	0.07	0.39%	0.39%	0.07	0.39%
100	22.78	22.97	0.22780	0.22970	22.93	23.12	0.22930	0.23120	0.15	0.15	0.66%	0.65%	0.15	0.66%
200	32.82	33.01	0.16410	0.16505	33.13	33.32	0.16565	0.16660	0.31	0.31	0.94%	0.94%	0.31	0.94%
300	42.86	43.05	0.14287	0.14350	43.33	43.52	0.14443	0.14507	0.47	0.47	1.10%	1.09%	0.47	1.09%
400	52.91	53.10	0.13228	0.13275	53.54	53.73	0.13385	0.13433	0.63	0.63	1.19%	1.19%	0.63	1.19%
500	64.36	63.89	0.12872	0.12778	65.14	64.68	0.13028	0.12936	0.78	0.79	1.21%	1.24%	0.79	1.23%
600	75.81	74.69	0.12635	0.12448	76.75	75.63	0.12792	0.12605	0.94	0.94	1.24%	1.26%	0.94	1.25%
700	87.26	85.49	0.12466	0.12213	88.36	86.59	0.12623	0.12370	1.10	1.10	1.26%	1.29%	1.10	1.28%
750	92.98	90.88	0.12397	0.12117	94.16	92.06	0.12555	0.12275	1.18	1.18	1.27%	1.30%	1.18	1.29%
800	98.71	96.28	0.12339	0.12035	99.97	97.54	0.12496	0.12193	1.26	1.26	1.28%	1.31%	1.26	1.30%
850	104.43	101.68	0.12286	0.11962	105.77	103.02	0.12444	0.12120	1.34	1.34	1.28%	1.32%	1.34	1.30%
900	110.16	107.08	0.12240	0.11898	111.57	108.49	0.12397	0.12054	1.41	1.41	1.28%	1.32%	1.41	1.30%
950	115.88	112.48	0.12198	0.11840	117.38	113.97	0.12356	0.11997	1.50	1.49	1.29%	1.32%	1.49	1.31%
1,000	121.61	117.88	0.12161	0.11788	123.18	119.45	0.12318	0.11945	1.57	1.57	1.29%	1.33%	1.57	1.31%
1,250	150.24	144.87	0.12019	0.11590	152.20	146.83	0.12176	0.11746	1.96	1.96	1.30%	1.35%	1.96	1.33%
1,500	178.86	171.86	0.11924	0.11457	181.22	174.21	0.12081	0.11614	2.36	2.35	1.32%	1.37%	2.35	1.35%
1,750	207.49	198.85	0.11857	0.11363	210.24	201.60	0.12014	0.11520	2.75	2.75	1.33%	1.38%	2.75	1.36%
2,000	236.11	225.84	0.11806	0.11292	239.25	228.98	0.11963	0.11449	3.14	3.14	1.33%	1.39%	3.14	1.36%
2,250	264.74	252.83	0.11766	0.11237	268.27	256.36	0.11923	0.11394	3.53	3.53	1.33%	1.40%	3.53	1.37%
2,500	293.37	279.82	0.11735	0.11193	297.29	283.75	0.11892	0.11350	3.92	3.93	1.34%	1.40%	3.93	1.38%
3,000	350.62	333.80	0.11687	0.11127	355.33	338.51	0.11844	0.11284	4.71	4.71	1.34%	1.41%	4.71	1.38%
3,500	407.87	387.79	0.11653	0.11080	413.37	393.28	0.11811	0.11237	5.50	5.49	1.35%	1.42%	5.49	1.39%
4,000	465.12	441.77	0.11628	0.11044	471.40	448.05	0.11785	0.11201	6.28	6.28	1.35%	1.42%	6.28	1.39%
5,000	579.63	549.73	0.11593	0.10995	587.48	557.58	0.11750		7.85	7.85	1.35%	1.43%	7.85	1.40%
											0.000.00.00			

		PRE	SENT	PROPOSEI					
*	BLOCK Customer &	SUMMER	WINTER	SUMMER	WINTER				
	Minimum								
	Charges	15.44	15.63	15.44	15.63				
	Next 370 kW	0.09014	0.09014	0.09014	0.09014				
	Excess kWh	0.10421	0.09767	0.10421	0.09767				
	Surcharges	0.01030	0.01030	0.01187	0.01187				

^{*} Includes Distribution Customer Charge, Generation Minimum Charge and Transmission Minimum Charge (Distribution Customer Charge includes the first 30 kWh of consumption at the initial block of volumetric rate)

POTOMAC-LECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 2 SCHEDULE "AE" DISTRICT OF COLUMBIA

	PRI	ESENT SCH	HEDULE A	E	PROPOSED SCHEDULE AE				INCREASE					
KWH	\$ AMOUNT	OF BILL	\$/K	WH	\$ AMOUN	T OF BILL	\$/K	WH	(\$)	(\$)	(%)	(%)	(\$)	(%)
	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER Y	WINTER		ANNÚAL
0	15.18	15.33	-	-	15.18	15.33	-	-	0.00	0.00	0.00%	0.00%	0.00	0.00%
10	15.34	15.49	1.53400	1.54900	15.36	15.51	1.53600	1.55100	0.02	0.02	0.13%	0.13%	0.02	0.13%
20	15.51	15.66	0.77550		15.53	15.68	0.77650	0.78400	0.02	0.02	0.13%	0.13%	0.02	0.13%
30	15.67	15.82	0.52233		15.71	15.86	0.52367	0.52867	0.04	0.04	0.26%	0.25%	0.04	0.25%
40	16.56	16.76	0.41400	0.41900	16.61	16.81	0.41525	0.42025	0.05	0.05	0.30%	0.30%	0.05	0.30%
50	17.45	17.71	0.34900	0.35420	17.51	17.77	0.35020	0.35540	0.06	0.06	0.34%	0.34%	0.06	0.34%
100	21.92	22.43	0.21920		22.03	22.55	0.22030	0.22550	0.11	0.12	0.50%	0.53%	0.12	0.52%
200	30.84	31.87	0.15420	(Section 2012 Control 2012 Con	31.07	32.11	0.15535	0.16055	0.23	0.24	0.75%	0.75%	0.24	0.75%
300	39.76	41.31	0.13253		40.11	41.66	0.13370	0.13887	0.35	0.35	0.88%	0.85%	0.35	0.86%
400	48.68	50.75	0.12170	0.12688	49.15	51.22	0.12288	0.12805	0.47	0.47	0.97%	0.93%	0.47	0.94%
500	59.18	60.71	0.11836	0.12142	59.77	61.30	0.11954	0.12260	0.59	0.59	1.00%	0.97%	0.59	0.98%
600	69.67	70.67	0.11612	0.11778	70.38	71.38	0.11730	0.11897	0.71	0.71	1.02%	1.00%	0.71	1.01%
700	80.17	80.63		0.11519	81.00	81.45	0.11571	0.11636	0.83	0.82	1.04%	1.02%	0.82	1.02%
750	85.42	85.60	0.11389	0.11413	86.30	86.49	0.11507	0.11532	0.88	0.89	1.03%	1.04%	0.89	1.04%
800	90.67	90.58	0.11334	0.11323	91.61	91.53	0.11451	0.11441	0.94	0.95	1.04%	1.05%	0.95	1.04%
850	95.91	95.56		0.11242	96.92	96.57	0.11402	0.11361	1.01	1.01	1.05%	1.06%	1.01	1.06%
900	101.16	100.54	0.11240	0.11171	102.22	101.60	0.11358	0.11289	1.06	1.06	1.05%	1.05%	1.06	1.05%
950	106.41	105.52	0.11201	0.11107	107.53	106.64	0.11319	0.11225	1.12	1.12	1.05%	1.06%	1.12	1.06%
1,000	111.66	110.50	0.11166		112.84	111.68	0.11284	0.11168	1.18	1.18	1.06%	1.07%	1.18	1.06%
1,250	137.90	135.39	0.11032		139.37	136.87	0.11150	0.10950	1.47	1.48	1.07%	1.09%	1.48	1.08%
1,500	164.14	160.29	0.10943		165.91	162.06	0.11061	0.10804	1.77	1.77	1.08%	1.10%	1.77	1.09%
1,750	190.38	185.18	0.10879		192.44	187.25	0.10997	0.10700	2.06	2.07	1.08%	1.12%	2.07	1.10%
2,000	216.62	210.08	0.10831	0.10504	218.98	212.44	0.10949	0.10622	2.36	2.36	1.09%	1.12%	2.36	1.11%
2,250	242.86	234.97	0.10794	0.10443	245.51	237.63	0.10912	0.10561	2.65	2.66	1.09%	1.13%	2.66	1.11%
			1211000001	Ten Williams										
2,500	269.10	259.87	0.10764		272.05	262.82	0.10882	0.10513	2.95	2.95	1.10%	1.14%	2.95	1.12%
3,000	321.58	309.66	0.10719		325.12	313.20	0.10837	0.10440	3.54	3.54	1.10%	1.14%	3.54	1.13%
3,500	374.06	359.45	0.10687		378.19	363.58	0.10805	0.10388	4.13	4.13	1.10%	1.15%	4.13	1.13%
4,000	426.54	409.24	0.10664		431.26	413.96	0.10782	0.10349	4.72	4.72	1.11%	1.15%	4.72	1.13%
5,000	531.49	508.82	0.10630	0.10176	537.39	514.72	0.10748	0.10294	5.90	5.90	1.11%	1.16%	5.90	1.14%

	PRES	SENT	PROP	POSED		
BLOCK	SUMMER	WINTER	SUMMER	WINTER		
* Customer & Minimum						
Charges	15.43	15.58	15.43	15.58		
Next 370 kWh	0.08112	0.08631	0.08112	0.08631		
Excess kWh	0.09686	0.09148	0.09686	0.09148		
Surcharges	0.00810	0.00810	0.00928	0.00928		

^{*} Includes Distribution Customer Charge, Generation Minimum Charge and Transmission Minimum Charge (Distribution Customer Charge includes the first 30 kWh of consumption at the initial block of volumetric rate)

POTOMAC LECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 2 SCHEDULE "R-TM" DISTRICT OF COLUMBIA

PRESENT R-TM KWH \$ AMOUNT OF BILL \$ /KWH			PROPOSED R-TM				INCREASE							
KWH	March Manager Salar is be	OF BILL	\$/K	WH	\$ AMOUN	IT OF BILL	\$/	KWH	(\$)	(\$)	(%)	(%)	(\$)	(%)
	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER		ANNUAL
1,000	150.58	156.18	0.15058	0.15618	155.47	161.07	0.15547	0.16107	4.89	4.89	3.25%	3.13%	4.89	3.18%
1,500	217.11	225.52	0.14474	0.15035	224.44	232.85	0.14963	0.15523	7.33	7.33	3.38%	3.25%	7.33	3.30%
2,000	283.64	294.85	0.14182	0.14743	293.42	304.63	0.14671	0.15232	9.78	9.78	3.45%	3.32%	9.78	3.37%
2,500	350.16	364.18	0.14006		362.39	376.41	0.14496	0.15056	12.23	12.23	3.49%	3.36%	12.23	3.41%
3,000	416.69	433.51	0.13890	0.14450	431.36	448.18	0.14379	0.14939	14.67	14.67	3.52%	3.38%	14.67	3.44%
3,500	483.22	502.85	0.13806	0.14367	500.34	519.96	0.14295	0.14856	17.12	17.11	3.54%	3.40%	17.11	3.46%
4,000	549.75	572.18	0.13744	0.14305	569.31	591.74	0.14233	0.14794	19.56	19.56	3.56%	3.42%	19.56	3.48%
4,500	616.28	641.51	0.13695	0.14256	638.29	663.51	0.14184	0.14745	22.01	22.00	3.57%	3.43%	22.00	3.49%
5,000	682.81	710.84	0.13656	0.14217	707.26	735.29	0.14145	0.14706	24.45	24.45	3.58%	3.44%	24.45	3.50%
5,500	749.34	780.17	0.13624	0.14185	776.23	807.07	0.14113	0.14674	26.89	26.90	3.59%	3.45%	26.90	3.51%
6,000	815.87	849.51	0.13598	0.14159	845.21	878.85	0.14087	0.14648	29.34	29.34	3.60%	3.45%	29.34	3.51%
6,500	882.40	918.84	0.13575	0.14136	914.18	950.62	0.14064	0.14625	31.78	31.78	3.60%	3.46%	31.78	3.52%
7,000	948.92	988.17	0.13556	0.14117	983.15	1,022.40	0.14045	0.14606	34.23	34.23	3.61%	3.46%	34.23	3.52%
7,500	1,015.45	1,057.50	0.13539	0.14100	1,052.13	1,094.18	0.14028	0.14589	36.68	36.68	3.61%	3.47%	36.68	3.53%
8,000	1,081.98	1,126.83	0.13525	0.14085	1,121.10	1,165.95	0.14014	0.14574	39.12	39.12	3.62%	3.47%	39.12	3.53%
8,500	1,148.51	1,196.17	0.13512	0.14073	1,190.08	1,237.73	0.14001	0.14562	41.57	41.56	3.62%	3.47%	41.56	3.53%
9,000	1,215.04	1,265.50	0.13500	0.14061	1,259.05	1,309.51	0.13989	0.14550	44.01	44.01	3.62%	3.48%	44.01	3.54%
9,500	1,281.57	1,334.83	0.13490	0.14051	1,328.02	1,381.29	0.13979	0.14540	46.45	46.46	3.62%	3.48%	46.46	3.54%
10,000	1,348.10	1,404.16	0.13481	0.14042	1,397.00	1,453.06	0.13970	0.14531	48.90	48.90	3.63%	3.48%	48.90	3.54%
11,000	1,481.16	1,542.83	0.13465	0.14026	1,534.95	1,596.62	0.13954	0.14515	53.79	53.79	3.63%	3.49%	53.79	3.55%
12,000	1,614.21	1,681.49	0.13452	0.14012	1,672.89	1,740.17	0.13941	0.14501	58.68	58.68	3.64%	3.49%	58.68	3.55%
13,000	1,747.27	1,820.16	0.13441	0.14001	1,810.84	1,883.73	0.13930	0.14490	63.57	63.57	3.64%	3.49%	63.57	3.55%
14,000	1,880.33	1,958.82	0.13431	0.13992	1,948.79	2,027.28	0.13920	0.14481	68.46	68.46	3.64%	3.49%	68.46	3.55%
15,000	2,013.39	2,097.49	0.13423	0.13983	2,086.74	2,170.84	0.13912	0.14472	73.35	73.35	3.64%	3.50%	73.35	3.56%
17,500	2,346.03	2,444.15	0.13406	0.13967	2,431.61	2,529.72	0.13895	0.14456	85.58	85.57	3.65%	3.50%	85.57	3.56%
20,000	2,678.68	2,790.81	0.13393	0.13954	2,776.48	2,888.61	0.13882	0.14443	97.80	97.80	3.65%	3.50%	97.80	3.56%
22,500	3,011.32	3,137.47	0.13384	0.13944	3,121.35	3,247.49	0.13873	0.14433	110.03	110.02	3.65%	3.51%	110.02	3.57%
25,000	3,343.97	3,484.13	0.13376	0.13937	3,466.22	3,606.38	0.13865	0.14426	122.25	122.25	3.66%	3.51%	122.25	3.57%
KWH DIST	RIBUTION							PRESENT			PROPOSED			
			INT	OFF PK										
	HOURS USE =	29%	25%	46%				SUMMER	WINTER		SUMMER	WINTER		
ALL WINTER I	HOURS USE =	22%	25%	53%			CUSTOMER ENERGY (kWh)	17.52	17.52	CUSTOMER ENERGY (k'	17.52	17.52		
							On Peak	0.12905	0.12810	On Peak	0.12905	0.12810		

Intermediate

Surcharges

Off Peak

0.11885

0.11474

0.01314

0.12706

0.12373

0.01314

Intermediate

Surcharges

Off Peak

0.11885

0.11474

0.01803

0.12706

0.12373

0.01803

POTOMAG ÉLECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 2 SCHEDULE "GS ND" DISTRICT OF COLUMBIA

PRESENT GS ND														
	PRESENT GS_ND VH \$ AMOUNT OF BILL \$/KWH				PROPOSED	GS_ND				INCREASE	=			
KWH	and the second second		7.00		\$ AMOUN	T OF BILL	\$/KWI	1	(\$)	(\$)	(%)	(%)	(\$)	(%)
	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	ANNUAL	ANNUAL
0	23.39	23.39	-	-	23.39	23.39	-	-	0.00	0.00	0.00%	0.00%	0.00	0.00%
10	24.51	24.49	2.45100	2.44900	24.54	24.52	2.45400	2.45200	0.03	0.03	0.12%	0.12%	0.03	0.12%
20	25.63	25.59	1.28150	1.27950	25.69	25.65	1.28450	1.28250	0.06	0.06	0.23%	0.23%	0.06	0.23%
30	26.76	26.69	0.89200	0.88967	26.84	26.78	0.89467	0.89267	80.0	0.09	0.30%	0.34%	0.09	0.32%
40	27.88	27.79	0.69700	0.69475	28.00	27.91	0.70000	0.69775	0.12	0.12	0.43%	0.43%	0.12	0.43%
50	29.00	28.89	0.58000	0.57780	29.15	29.04	0.58300	0.58080	0.15	0.15	0.52%	0.52%	0.15	0.52%
100	34.61	34.40	0.34610	0.34400	34.91	34.70	0.34910	0.34700	0.30	0.30	0.87%	0.87%	0.30	0.87%
150	40.22	39.90	0.26813	0.26600	40.66	40.35	0.27107	0.26900	0.44	0.45	1.09%	1.13%	0.45	1.11%
200	45.83	45.41	0.22915	0.22705	46.42	46.00	0.23210	0.23000	0.59	0.59	1.29%	1.30%	0.59	1.29%
250	51.44	50.91	0.20576	0.20364	52.18	51.65	0.20872	0.20660	0.74	0.74	1.44%	1.45%	0.74	1.45%
300	57.04	56.41	0.19013	0.18803	57.94	57.31	0.19313	0.19103	0.90	0.90	1.58%	1.60%	0.90	1.59%
400	68.26	67.42	0.17065	0.16855	69.45	68.61	0.17363	0.17153	1.19	1.19	1.74%	1.77%	1.19	1.76%
500	79.48	78.43	0.15896	0.15686	80.97	79.92	0.16194	0.15984	1.49	1.49	1.87%	1.90%	1.49	1.89%
600	90.70	89.44	0.15117	0.14907	92.48	91.22	0.15413	0.15203	1.78	1.78	1.96%	1.99%	1.78	1.98%
700	101.92	100.45	0.14560	0.14350	104.00	102.53	0.14857	0.14647	2.08	2.08	2.04%	2.07%	2.08	2.06%
800	113.14	111.46	0.14143	0.13933	115.51	113.83	0.14439	0.14229	2.37	2.37	2.09%	2.13%	2.37	2.11%
900	124.35	122.46	0.13817	0.13607	127.03	125.14	0.14114	0.13904	2.68	2.68	2.16%	2.19%	2.68	2.17%
1,000	135.57	133.47	0.13557	0.13347	138.54	136.44	0.13854	0.13644	2.97	2.97	2.19%	2.23%	2.97	2.21%
1,250	163.62	160.99	0.13090	0.12879	167.33	164.70	0.13386	0.13176	3.71	3.71	2.27%	2.30%	3.71	2.29%
1,500	191.66	188.51	0.12777	0.12567	196.12	192.97	0.13075	0.12865	4.46	4.46	2.33%	2.37%	4.46	2.35%
1,750	219.71	216.03	0.12555	0.12345	224.91	221.23	0.12852	0.12642	5.20	5.20	2.37%	2.41%	5.20	2.39%
2,000	247.75	243.55	0.12388	0.12178	253.69	249.49	0.12685	0.12475	5.94	5.94	2.40%	2.44%	5.94	2.42%
2,500	303.84	298.59	0.12154	0.11944	311.27	306.02	0.12451	0.12241	7.43	7.43	2.45%	2.49%	7.43	2.47%
3,000	359.94	353.64	0.11998	0.11788	368.85	362.55	0.12295	0.12085	8.91	8.91	2.48%	2.52%	8.91	2.50%
Son Barbarous See.														
3,500	416.03	408.68	0.11887	0.11677	426.42	419.07	0.12183	0.11973	10.39	10.39	2.50%	2.54%	10.39	2.52%
4,000	472.12	463.72	0.11803	0.11593	484.00	475.60	0.12100	0.11890	11.88	11.88	2.52%	2.56%	11.88	2.54%
5,000	584.30	573.80	0.11686	0.11476	599.15	588.65	0.11983	0.11773	14.85	14.85	2.54%	2.59%	14.85	2.57%
6,000	696.48	683.88	0.11608	0.11398	714.30	701.70	0.11905	0.11695	17.82	17.82	2.56%	2.61%	17.82	2.59%
							in the survey of		to an acodora C					

	PRE	SENT	PROPO	SED
	SUMMER	WINTER	SUMMER	WINTER
CUSTOMER	23.39	23.39	23.39	23.39
ENERGY (kWh)				
All Kilowatt-hours	0.10888	0.10678	0.10888	0.10678
Surcharges	0.003302	0.003302	0.006272	0.006272

POTOMAG ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 2 SCHEDULE "GS D LV" DISTRICT OF COLUMBIA

			PRESENT	GS_D_LV			PROPOSED	GS_D_LV			INCREASE			
KW	Hours Use	KWH	\$ AMOUN	T OF BILL	\$/K	WH	\$ AMOUNT	OF BILL	\$/KWH	1	(\$)	(\$)	(%)	(%)
			SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER
10	100	1000	195.07	192.48	0.19507	0.19248	200.76	198.17	0.20076	0.19817	5.69	5.69	2.92%	2.96%
	200	2000	317.74	312.56	0.15887	0.15628	329.12	323.94	0.16456	0.16197	11.38	11.38	3.58%	3.64%
	300	3000	440.40	432.63	0.14680	0.14421	457.47	449.70	0.15249	0.14990	17.07	17.07	3.88%	3.95%
	400	4000	563.06	552.70	0.14077	0.13818	585.82	575.46	0.14646	0.14387	22.76	22.76	4.04%	4.12%
	500	5000	685.73	672.78	0.13715	0.13456	714.18	701.23	0.14284	0.14025	28.45	28.45	4.15%	4.23%
	600	6000	808.39	792.85	0.13473	0.13214	842.53	826.99	0.14042	0.13783	34.14	34.14	4.22%	4.31%
25	100		447.02	440.54	0.17881	0.17622	461.24	454.77	0.18450	0.18191	14.22	14.23	3.18%	3.23%
	200	5,000	753.68	740.73	0.15074	0.14815	782.13	769.18	0.15643	0.15384	28.45	28.45	3.77%	3.84%
	300	7,500	1,060.33	1,040.91	0.14138	0.13879	1,103.01	1,083.58	0.14707	0.14448	42.68	42.67	4.03%	4.10%
		10,000	1,366.99	1,341.09	0.13670	0.13411	1,423.89	1,397.99	0.14239	0.13980	56.90	56.90	4.16%	4.24%
	500	12,500	1,673.65	1,641.28	0.13389	0.13130	1,744.78	1,712.40	0.13958	0.13699	71.13	71.12	4.25%	4.33%
	600	15,000	1,980.31	1,941.46	0.13202	0.12943	2,065.66	2,026.81	0.13771	0.13512	85.35	85.35	4.31%	4.40%
50			866.93	853.98	0.17339	0.17080	895.38	882.43	0.17908	0.17649	28.45	28.45	3.28%	3.33%
		10,000	1,480.24	1,454.34	0.14802	0.14543	1,537.14	1,511.24	0.15371	0.15112	56.90	56.90	3.84%	3.91%
		15,000	2,093.56	2,054.71	0.13957	0.13698	2,178.91	2,140.06	0.14526	0.14267	85.35	85.35	4.08%	4.15%
	400	20,000	2,706.87	2,655.07	0.13534	0.13275	2,820.67	2,768.87	0.14103	0.13844	113.80	113.80	4.20%	4.29%
	500	25,000	3,320.19	3,255.44	0.13281	0.13022	3,462.44	3,397.69	0.13850	0.13591	142.25	142.25	4.28%	4.37%
	600	30,000	3,933.51	3,855.81	0.13112	0.12853	4,104.21	4,026.51	0.13681	0.13422	170.70	170.70	4.34%	4.43%
75		The state of the s	1,286.83	1,267.41	0.17158	0.16899	1,329.51	1,310.08	0.17727	0.17468	42.68	42.67	3.32%	3.37%
		15,000	2,206.81	2,167.96	0.14712	0.14453	2,292.16	2,253.31	0.15281	0.15022	85.35	85.35	3.87%	3.94%
		22,500	3,126.78	3,068.51	0.13897	0.13638	3,254.81	3,196.53	0.14466	0.14207	128.03	128.02	4.09%	4.17%
		30,000	4,046.76	3,969.06	0.13489	0.13230	4,217.46	4,139.76	0.14058	0.13799	170.70	170.70	4.22%	4.30%
		37,500	4,966.73	4,869.60	0.13245	0.12986	5,180.10	5,082.98	0.13814	0.13555	213.37	213.38	4.30%	4.38%
	600	45,000	5,886.70	5,770.15	0.13082	0.12823	6,142.75	6,026.20	0.13651	0.13392	256.05	256.05	4.35%	4.44%

	PRE	SENT	PROPO	DSED
	SUMMER	WINTER	SUMMER	WINTER
CUSTOMER	27.11	27.11	27.11	27.11
ENERGY (kWh)				
first 6000	0.11520	0.11261	0.11520	0.11261
additional	0.11520	0.11261	0.11520	0.11261
Surcharges	0.0074632	0.0074632	0.013153	0.0131532
DEMAND (kW)	4.53	4.53	4.53	4.53

POTOMAC ÉLECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 2 SCHEDULE "GT LV" DISTRICT OF COLUMBIA

HOURS			PRESENT '	GT-LV'			PROPOSED 'GT- LV'				INCREASE			
USE	KWH	\$ AMOUN	T OF BILL	\$/K	WH	\$ AMOU	NT OF BILL	\$/K	WH		(\$)	(\$)	(%)	(%)
		SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER		SUMMER	WINTER	SUMMER	WINTER
						MAXIMUM AI	ND ON PEAK DE	MAND =	100	KW				
200	20,000	3,349.51	3,353.61	0.16748	0.16768	3,420.11	3,424.21	0.17101	0.17121		70.60	70.60	2.11%	2.11%
300	30,000	4,272.36	4,329.68	0.14241	0.14432	4,378.26	4,435.58	0.14594	0.14785		105.90	105.90	2.48%	2.45%
400	40,000	5,164.13	5,298.09	0.12910	0.13245	5,305.33	5,439.29	0.13263	0.13598		141.20	141.20	2.73%	2.67%
500	50,000	6,043.00	6,262.77	0.12086	0.12526	6,219.50	6,439.27	0.12439	0.12879		176.50	176.50	2.92%	2.82%
600	60,000	6,920.61	7,226.58	0.11534	0.12044	7,132.41	7,438.38	0.11887	0.12397		211.80	211.80	3.06%	2.93%
									300	ĸw				
200	60,000	9,290.46	9,302.77	0.15484	0.15505	9,502.26	9,514.57	0.15837	0.15858		211.80	211.80	2.28%	2.28%
300		12,059.00	12,230.96	0.13399	0.13590	12,376.70	12,548.66	0.13752	0.13943		317.70	317.70	2.63%	2.60%
400		14,734.32	15,136.21	0.12279	0.12614	15,157.92	15,559.81	0.12632	0.12967		423.60	423.60	2.87%	2.80%
500		17,370.93	18,030.24	0.11581	0.12020	17,900.43	18,559.74	0.11934	0.12373		529.50	529.50	3.05%	2.94%
600		20,003.77	20,921.66	0.11113	0.11623	20,639.17	21,557.06	0.11466	0.11976		635.40	635.40	3.18%	3.04%
							WANT TRANSPORT OF THE PARTY		500	KW				
200	\$5000 D.31 \$ 559 EV. COUNTY	15,231.40	15,251.93	0.15231	0.15252	15,584.40	15,604.93	0.15584	0.15605		353.00	353.00	2.32%	2.31%
300		19,845.64	20,132.25	0.13230	0.13422	20,375.14	20,661.75	0.13583	0.13775		529.50	529.50	2.67%	2.63%
400		24,304.51	24,974.32	0.12152	0.12487	25,010.51	25,680.32	0.12505	0.12840		706.00	706.00	2.90%	2.83%
500		28,698.86	29,797.71	0.11480	0.11919	29,581.36	30,680.21	0.11833	0.12272		882.50	882.50	3.08%	2.96%
600	300,000	33,086.93	34,616.74	0.11029	0.11539	34,145.93	35,675.74	0.11382	0.11892		1,059.00	1,059.00	3.20%	3.06%
									1,000	KW				
200	200,000	30,083.77	30,124.83	0.15042	0.15062	30,789.77	30,830.83	0.15395	0.15415		706.00	706.00	2.35%	2.34%
300		39,312.24	39,885.46	0.13104	0.13295	40,371.24	40,944.46	0.13457	0.13648		1,059.00	1,059.00	2.69%	2.66%
400	400,000	48,229.99	49,569.61	0.12057	0.12392	49,641.99	50,981.61	0.12410	0.12745		1,412.00	1,412.00	2.93%	2.85%
500	500,000	57,018.68	59,216.38	0.11404	0.11843	58,783.68	60,981.38	0.11757	0.12196		1,765.00	1,765.00	3.10%	2.98%
600	600,000	65,794.83	68,854.45	0.10966	0.11476	67,912.83	70,972.45	0.11319	0.11829		2,118.00	2,118.00	3.22%	3.08%
KWH	DISTRIBUTION							PRESENT				PROPOSED		
		ON PK	INT	OFF PK				TRECEIVI				T NOT OOLD		
200	HOURS USE =	31%	29%	40%				SUMMER	WINTER			SUMMER	WINTER	
300	HOURS USE =	33%	27%	40%			CUSTOMER	379.03	379.03		CUSTOMER	379.03	379.03	
	HOURS USE =	30%	26%	44%			DEMAND (kW)	0,0.00	0,0.00		DEMAND (kW)	070.00	070.00	
	HOURS USE =	27%	25%	48%			On Peak	1.1759	0.0000		On Peak	1.1759	0.0000	
	HOURS USE =	25%	24%	51%			Maximum	10.2297	10.2297		Maximum	10.2297	10.2297	
				0.70			ENERGY (kWh)	10.2231	10.2231		ENERGY (kWh)	10.2231	10.2231	
							On Peak	0.08644	0.08298		On Peak	0.08644	0.08298	
							Int Peak	0.07329	0.08255		Int Peak	0.00044	0.08255	
							Off Peak	0.07329	0.08233		Off Peak	0.07329	0.08233	
							SURCHARGES		0.01664		SURCHARGES	0.00702	0.07820	
							LOCITOTIANOLO	0.01004	0.01004		CONCINIOES	0.02017	0.02017	

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 2 SCHEDULE "GT LV" DISTRICT OF COLUMBIA

HOURS			PRESENT '	GT-LV'		PROPOSED 'GT-LV'					INCREASE			
USE	KWH	\$ AMOUN		\$/K		\$ AMOU	NT OF BILL	\$/K	WH		(\$)	(\$)	(%)	(%)
		SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER		SUMMER	WINTER	SUMMER	
						MAXIMUM AI	ND ON PEAK DEI	MAND =	2,000	KW				
200	400,000	59,788.51	59,870.63	0.14947	0.14968	61,200.51	61,282.63	0.15300	0.15321		1,412.00	1,412.00	2.36%	2.36%
300	600,000	78,245.45	79,391.89	0.13041	0.13232	80,363.45	81,509.89	0.13394	0.13585		2,118.00	2,118.00	2.71%	2.67%
400	800,000	96,080.95	98,760.19	0.12010	0.12345	98,904.95	101,584.19	0.12363	0.12698		2,824.00	2,824.00	2.94%	2.86%
500	1,000,000	113,658.33	118,053.73	0.11366	0.11805	117,188.33	121,583.73	0.11719	0.12158		3,530.00	3,530.00	3.11%	2.99%
600	1,200,000	131,210.63	137,329.87	0.10934	0.11444	135,446.63	141,565.87	0.11287	0.11797		4,236.00	4,236.00	3.23%	3.08%
									4,000	ĸw				
200	800,000	119,197.99	119,362.23	0.14900	0.14920	122,021.99	122,186.23	0.15253	0.15273		2,824.00	2,824.00	2.37%	2.37%
300	1,200,000	156,111.87	158,404.75	0.13009	0.13200	160,347.87	162,640.75	0.13362	0.13553		4,236.00	4,236.00	2.71%	2.67%
400		191,782.87	197,141.35	0.11986	0.12321	197,430.87	202,789.35	0.12339	0.12674		5,648.00	5,648.00	2.94%	2.86%
500		226,937.63	235,728.43	0.11347	0.11786	233,997.63	242,788.43	0.11700	0.12139		7,060.00	7,060.00	3.11%	2.99%
600		262,042.23	274,280.71	0.10918	0.11428	270,514.23	282,752.71	0.11271	0.11781		8,472.00	8,472.00	3.23%	3.09%
									0.000	LOW				
200	1 200 000	170 607 47	170 052 02	0.14004	0.44004	400 040 47	100 000 00	0.45007	6,000	KW				
200		178,607.47	178,853.83	0.14884	0.14904	182,843.47	183,089.83	0.15237	0.15257		4,236.00	4,236.00	2.37%	2.37%
300		233,978.29	237,417.61	0.12999	0.13190	240,332.29	243,771.61	0.13352	0.13543		6,354.00	6,354.00	2.72%	2.68%
400		287,484.79	295,522.51	0.11979	0.12313	295,956.79	303,994.51	0.12332	0.12666		8,472.00	8,472.00	2.95%	2.87%
500		340,216.93	353,403.13	0.11341	0.11780	350,806.93	363,993.13	0.11694	0.12133		10,590.00	10,590.00	3.11%	3.00%
600	3,600,000	392,873.83	411,231.55	0.10913	0.11423	405,581.83	423,939.55	0.11266	0.11776		12,708.00	12,708.00	3.23%	3.09%
									8,000	KW				
200	and the second s	238,016.95	238,345.43	0.14876	0.14897	243,664.95	243,993.43	0.15229	0.15250		5,648.00	5,648.00	2.37%	2.37%
300		311,844.71	316,430.47	0.12994	0.13185	320,316.71	324,902.47	0.13347	0.13538		8,472.00	8,472.00	2.72%	2.68%
400		383,186.71	393,903.67	0.11975	0.12309	394,482.71	405,199.67	0.12328	0.12662		11,296.00	11,296.00	2.95%	2.87%
500		453,496.23	471,077.83	0.11337	0.11777	467,616.23	485,197.83	0.11690	0.12130		14,120.00	14,120.00	3.11%	3.00%
600	4,800,000	523,705.43	548,182.39	0.10911	0.11420	540,649.43	565,126.39	0.11264	0.11773		16,944.00	16,944.00	3.24%	3.09%
KWH	DISTRIBUTION							PRESENT				PROPOSED		
		ON PK	INT	OFF PK										
200	HOURS USE =	31%	29%	40%				SUMMER	WINTER			SUMMER	WINTER	
300	HOURS USE =	33%	27%	40%			CUSTOMER	379.03	379.03		CUSTOMER	379.03	379.03	
400	HOURS USE =	30%	26%	44%			DEMAND (kW)				DEMAND (kW)			
500	HOURS USE =	27%	25%	48%			On Peak	1.1759	0.0000		On Peak	1.1759	0.0000	
600	HOURS USE =	25%	24%	51%			Maximum	10.2297	10.2297		Maximum	10.2297	10.2297	
							ENERGY (kWh)				ENERGY (kWh)			
							On Peak	0.08644	0.08298		On Peak	0.08644	0.08298	
							Int Peak	0.07329	0.08255		Int Peak	0.07329	0.08255	
							Off Peak	0.06702	0.07820		Off Peak	0.06702	0.07820	
							SURCHARGES		0.01664		SURCHARGES	0.02017	14.5-11.11.11.11.11.11.11.11.11.11.11.11.11.	

POTOMAGE LECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 2 SCHEDULE "GT 3A" DISTRICT OF COLUMBIA

HOURS USE KWH			PRESENT 'G'				PROPOSED 'G	Г- ЗА'				INCREASE		
USE	KWH	\$ AMOUN	NT OF BILL	\$/K	WH	\$ AMOU	NT OF BILL	\$/K	WH	-	(\$)	(\$)	(%)	(%)
		SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER		SUMMER	WINTER	SUMMER	
		0.4 = 0.0 0=					D ON PEAK DEM		1,000	KW				
200		24,599.37	24,513.69	0.12300	0.12257	25,019.37	24,933.69	0.12510	0.12467		420.00	420.00	1.71%	1.71%
300		32,776.44	33,146.38	0.10925	0.11049	33,406.44	33,776.38	0.11135	0.11259		630.00	630.00	1.92%	1.90%
400		40,592.07	41,648.35	0.10148	0.10412	41,432.07	42,488.35	0.10358	0.10622		840.00	840.00	2.07%	2.02%
500	The second section of the second	48,255.48	50,088.78	0.09651	0.10018	49,305.48	51,138.78	0.09861	0.10228		1,050.00	1,050.00	2.18%	2.10%
600	600,000	55,902.21	58,516.69	0.09317	0.09753	57,162.21	59,776.69	0.09527	0.09963		1,260.00	1,260.00	2.25%	2.15%
									2,000	KW				
200	400,000	49,046.11	48,874.75	0.12262	0.12219	49,886.11	49,714.75	0.12472	0.12429	LYAA	840.00	940.00	1 710/	1 700/
300		65,400.25	66,140.13	0.10900	0.11023	66,660.25	67,400.13	0.12472	0.12429		1,260.00	840.00	1.71%	1.72%
400	and the same of the same of	81,031.51	83,144.07	0.10300	0.11023	82,711.51	84,824.07					1,260.00	1.93%	1.91%
500		96,358.33	100,024.93	0.10129	0.10393	98,458.33	102,124.93	0.10339	0.10603 0.10212		1,680.00	1,680.00	2.07%	2.02%
600		111,651.79	116,880.75		0.10002			0.09846			2,100.00	2,100.00	2.18%	2.10%
000	1,200,000	111,051.79	110,000.75	0.09304	0.09740	114,171.79	119,400.75	0.09514	0.09950		2,520.00	2,520.00	2.26%	2.16%
									5,000	KW				
200	1,000,000	122,386.33	121,957.93	0.12239	0.12196	124,486.33	124,057.93	0.12449	0.12406		2,100.00	2,100.00	1.72%	1.72%
300	1,500,000	163,271.68	165,121.38	0.10885	0.11008	166,421.68	168,271.38	0.11095	0.11218		3,150.00	3,150.00	1.93%	1.91%
400		202,349.83	207,631.23	0.10117	0.10382	206,549.83	211,831.23	0.10327	0.10592		4,200.00	4,200.00	2.08%	2.02%
500	Section of the sectio	240,666.88	249,833.38	0.09627	0.09993	245,916.88	255,083.38	0.09837	0.10203		5,250.00	5,250.00	2.18%	2.10%
600	2	278,900.53	291,972.93	0.09297	0.09732	285,200.53	298,272.93	0.09507	0.09942		6,300.00	6,300.00	2.26%	2.16%
	5,000,000	_, 0,000.00	201,072.00	0.00201	0.00102	200,200.00	200,212.00	0.00001	0.00042		0,000.00	0,000.00	2.2070	2.1070
									7,500	KW				
200	1,500,000	183,503.18	182,860.58	0.12234	0.12191	186,653.18	186,010.58	0.12444	0.12401		3,150.00	3,150.00	1.72%	1.72%
300	2,250,000	244,831.21	247,605.76	0.10881	0.11005	249,556.21	252,330.76	0.11091	0.11215		4,725.00	4,725.00	1.93%	1.91%
400	3,000,000	303,448.43	311,370.53	0.10115	0.10379	309,748.43	317,670.53	0.10325	0.10589		6,300.00	6,300.00	2.08%	2.02%
500	3,750,000	360,924.01	374,673.76	0.09625	0.09991	368,799.01	382,548.76	0.09835	0.10201		7,875.00	7,875.00	2.18%	2.10%
600	4,500,000	418,274.48	437,883.08	0.09295	0.09731	427,724.48	447,333.08	0.09505	0.09941		9,450.00	9,450.00	2.26%	2.16%
101111	DIOTOIDUTION													
KWH	DISTRIBUTION	- ON DIC	INIT	OFF DI				PRESENT				PROPOSED		
200	HOUDO HOE -	ON PK	INT	OFF PK										
	HOURS USE =	31%	29%	40%				SUMMER				SUMMER	WINTER	
	HOURS USE =	33%	27%	40%			CUSTOMER	152.63	152.63		CUSTOMER	152.63	152.63	
	HOURS USE =	30%	26%	44%			DEMAND (kW)				DEMAND (kW)			
	HOURS USE =	27%	25%	48%			On Peak	1.1450	0.0000		On Peak	1.1450	0.0000	
600	HOURS USE =	25%	24%	51%			Maximum	7.1186	7.1186		Maximum	7.1186	7.1186	
							ENERGY (kWh)				ENERGY (kWh)			
							On Peak	0.07900	0.07495		On Peak	0.07900	0.07495	
							Int Peak	0.06475	0.07304		Int Peak	0.06475	0.07304	
							Off Peak	0.05641	0.06678		Off Peak	0.05641	0.06678	
							SURCHARGES	0.01508	0.01508		SURCHARGES	0.01718	0.01718	

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 2 SCHEDULE "GT 3A" DISTRICT OF COLUMBIA

HOURS		PRESENT 'GT-3A'					PROPOSED 'GT- 3A'					INCREASE			
USE KWH		\$ AMOUNT OF BILL		\$/KWH		\$ AMOUNT OF BILL		\$/KWH			(\$)	(\$)	(%)	(%)	
		SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER		SUMMER	WINTER	SUMMER		
						MAXIMUM AN	D ON PEAK DEM	AND =	10,000	KW					
200		244,620.03	243,763.23		0.12188	248,820.03	247,963.23	0.12441	0.12398		4,200.00	4,200.00	1.72%	1.72%	
300		326,390.73	330,090.13		0.11003	332,690.73	336,390.13	0.11090	0.11213		6,300.00	6,300.00	1.93%	1.91%	
400		404,547.03	415,109.83		0.10378	412,947.03	423,509.83	0.10324	0.10588		8,400.00	8,400.00	2.08%	2.02%	
500	Service Control of the Control of th	481,181.13	499,514.13		0.09990	491,681.13	510,014.13	0.09834	0.10200		10,500.00	10,500.00	2.18%	2.10%	
600	6,000,000	557,648.43	583,793.23	0.09294	0.09730	570,248.43	596,393.23	0.09504	0.09940		12,600.00	12,600.00	2.26%	2.16%	
000	1 000 000								20,000	KW					
200		489,087.43	487,373.83		0.12184	497,487.43	495,773.83	0.12437	0.12394		8,400.00	8,400.00	1.72%	1.72%	
300		652,628.83	660,027.63	0.10877	0.11000	665,228.83	672,627.63	0.11087	0.11210		12,600.00	12,600.00	1.93%	1.91%	
400		808,941.43	830,067.03	0.10112	0.10376	825,741.43	846,867.03	0.10322	0.10586		16,800.00	16,800.00	2.08%	2.02%	
500		962,209.63	998,875.63		0.09989	983,209.63	1,019,875.63	0.09832	0.10199		21,000.00	21,000.00	2.18%	2.10%	
600	12,000,000	1,115,144.23	1,167,433.83	0.09293	0.09729	1,140,344.23	1,192,633.83	0.09503	0.09939		25,200.00	25,200.00	2.26%	2.16%	
										rapeacity (Intelligence					
000	0.000.000	700 554 00	700 004 40	0.40000					30,000	KW					
200		733,554.83	730,984.43		0.12183	746,154.83	743,584.43	0.12436	0.12393		12,600.00	12,600.00	1.72%	1.72%	
300	The state of the s	978,866.93	989,965.13	0.10876	0.11000	997,766.93	1,008,865.13	0.11086	0.11210		18,900.00	18,900.00	1.93%	1.91%	
400	With the second second second	1,213,335.83	1,245,024.23	0.10111	0.10375	1,238,535.83	1,270,224.23	0.10321	0.10585		25,200.00	25,200.00	2.08%	2.02%	
500	The state of the s	1,443,238.13	1,498,237.13	0.09622	0.09988	1,474,738.13	1,529,737.13	0.09832	0.10198		31,500.00	31,500.00	2.18%	2.10%	
600	18,000,000	1,672,640.03	1,751,074.43	0.09292	0.09728	1,710,440.03	1,788,874.43	0.09502	0.09938		37,800.00	37,800.00	2.26%	2.16%	
200	0.000.000	070 000 00	074 505 00	0.40005	0.40400	004 000 00	004 005 00	0.10.10	40,000	KW					
200		978,022.23	974,595.03	0.12225	0.12182	994,822.23	991,395.03	0.12435	0.12392		16,800.00	16,800.00	1.72%	1.72%	
300	Control of the contro	1,305,105.03	1,319,902.63	0.10876	0.10999	1,330,305.03	1,345,102.63	0.11086	0.11209		25,200.00	25,200.00	1.93%	1.91%	
400		1,617,730.23	1,659,981.43	0.10111	0.10375	1,651,330.23	1,693,581.43	0.10321	0.10585		33,600.00	33,600.00	2.08%	2.02%	
500 600	The state of the s	1,924,266.63	1,997,598.63	0.09621	0.09988	1,966,266.63	2,039,598.63	0.09831	0.10198		42,000.00	42,000.00	2.18%	2.10%	
600	24,000,000	2,230,135.83	2,334,715.03	0.09292	0.09728	2,280,535.83	2,385,115.03	0.09502	0.09938		50,400.00	50,400.00	2.26%	2.16%	
KWH	DISTRIBUTION							DDECENIT				DDODOGED			
	DIGITADOTION	ON PK	INT	OFF PK				PRESENT				PROPOSED			
200	HOURS USE =	31%	29%	40%				SUMMER	WINTED			SUMMER	MINITED		
	HOURS USE =	33%	27%	40%			CUSTOMER	152.63	152.63		CUSTOMER		WINTER		
	HOURS USE =	30%	26%	44%			DEMAND (kW)	152.65	152.05		The second secon	152.63	152.63		
	HOURS USE =	27%	25%	48%			On Peak	1.1450	0.0000		DEMAND (kW) On Peak	1 1450	0.0000		
	HOURS USE =	25%	24%	51%			Maximum	7.1186	7.1186		Maximum	1.1450 7.1186	0.0000		
300		2070	2770	0170			ENERGY (kWh)	7.1100	1.1100		ENERGY (kWh)	7.1180	7.1186		
							On Peak	0.07900	0.07495		On Peak	0.07900	0.07495		
							Int Peak	0.07900	0.07495		Int Peak	0.07900	0.07495		
							Off Peak	0.05641	0.06678		Off Peak	0.05641			
							SURCHARGES	0.03641	0.00078		SURCHARGES		0.06678		
							GUNCHARGES	0.01306	0.01006		SURCHARGES	0.01718	0.01718		

POTOMAC ELECTRIC POWER COMPANY BILL IMPACTS - UNDERGROUND RIDER - YEAR 2 SCHEDULE "GT 3B" DISTRICT OF COLUMBIA

HOURS		PRESENT 'GT-3B'				PROPOSED 'GT- 3B'					INCREASE			
USE KWH		\$ AMOUNT OF BILL		\$/KWH		\$ AMOUN	T OF BILL	\$/KWH			(\$)	(\$)	(%)	(%)
		SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER		SUMMER	WINTER	SUMMER Y	WINTER
000	0.000.000	075 474 77	075 474 77	0.40774	0.40774		ON PEAK DEMA		10,000	KW	100.00		0.450/	
200	2,000,000	275,474.77	275,474.77			275,874.77	275,874.77	0.13794			400.00	400.00	0.15%	0.15%
300	3,000,000	396,850.97	396,850.97			397,450.97	397,450.97	0.13248			600.00	600.00	0.15%	0.15%
400	4,000,000	518,227.17	518,227.17			519,027.17	519,027.17	0.12976			800.00	800.00	0.15%	0.15%
500	5,000,000	639,603.37	639,603.37			640,603.37	640,603.37	0.12812			1,000.00	1,000.00	0.16%	0.16%
600	6,000,000	760,979.57	760,979.57	0.12683	0.12683	762,179.57	762,179.57	0.12703	0.12703		1,200.00	1,200.00	0.16%	0.16%
									20,000	ĸw				
200	4,000,000	549,815.17	549,815.17	0 13745	0.13745	550,615.17	550,615.17	0.13765			800.00	800.00	0.15%	0.15%
300	6,000,000	792,567.57	792,567.57			793,767.57	793,767.57	0.13229			1,200.00	1,200.00	0.15%	0.15%
400	8,000,000		1,035,319.97			1,036,919.97	1,036,919.97	0.12961			1,600.00	1,600.00	0.15%	0.15%
500	10,000,000		1,278,072.37			1,280,072.37	1,280,072.37	0.12801			2,000.00	2,000.00	0.16%	0.16%
600	12,000,000		1,520,824.77	0.12674		1,523,224.77	1,523,224.77	0.12694			2,400.00	2,400.00	0.16%	0.16%
000	12,000,000	1,520,624.77	1,320,024.77	0.12074	0.12074	1,525,224.77	1,525,224.77	0.12034	0.12094		2,400.00	2,400.00	0.1076	0.1076
									30,000	KW				
200	6,000,000	824,155.57	824,155.57	0.13736	0.13736	825,355.57	825,355.57	0.13756	0.13756		1,200.00	1,200.00	0.15%	0.15%
300	9,000,000	1,188,284.17	1,188,284.17	0.13203	0.13203	1,190,084.17	1,190,084.17	0.13223	0.13223		1,800.00	1,800.00	0.15%	0.15%
400	12,000,000	1,552,412.77	1,552,412.77	0.12937	0.12937	1,554,812.77	1,554,812.77	0.12957	0.12957		2,400.00	2,400.00	0.15%	0.15%
500	15,000,000	1,916,541.37	1,916,541.37	0.12777	0.12777	1,919,541.37	1,919,541.37	0.12797	0.12797		3,000.00	3,000.00	0.16%	0.16%
600	18,000,000	2,280,669.97	2,280,669.97	0.12670	0.12670	2,284,269.97	2,284,269.97	0.12690			3,600.00	3,600.00	0.16%	0.16%
									40,000	KW				
200	8,000,000		1,098,495.97			1,100,095.97	1,100,095.97	0.13751			1,600.00	1,600.00	0.15%	0.15%
300	12,000,000		1,584,000.77		0.13200	1,586,400.77	1,586,400.77	0.13220			2,400.00	2,400.00	0.15%	0.15%
400	16,000,000		2,069,505.57			2,072,705.57	2,072,705.57	0.12954			3,200.00	3,200.00	0.15%	0.15%
500	20,000,000	2,555,010.37	2,555,010.37	0.12775	0.12775	2,559,010.37	2,559,010.37	0.12795			4,000.00	4,000.00	0.16%	0.16%
600	24,000,000	3,040,515.17	3,040,515.17	0.12669	0.12669	3,045,315.17	3,045,315.17	0.12689	0.12689		4,800.00	4,800.00	0.16%	0.16%
KWH	DISTRIBUTION							PRESENT				PROPOSED		
	DIOTRIBOTION	ON PK	INT	OFF PK				TILOLIVI				T NOT OBED		
200	HOURS USE =	31%	29%	40%				SUMMER	WINTER			SUMMER	WINTER	
	HOURS USE =	33%	27%	40%			CUSTOMER	1134.37			CUSTOMER		1134.37	
	HOURS USE =	30%	26%	44%			DEMAND (kW)	1104.07	1104.07		DEMAND (kW)	1104.07	1104.07	
	HOURS USE =	27%	25%	48%			On Peak	1.0636	1.0636		On Peak	1.0636	1.0636	
	HOURS USE =	25%	24%	51%			Maximum	2.0952	2.0952		Maximum	2.0952	2.0952	
000	HOOKO OOL -	2370	24 /0	3170			ENERGY (kWh)	2.0932	2.0932		ENERGY (kWh)	2.0932	2.0952	
							On Peak	0.10790	0 10700		On Peak	0.10790	0.10790	
							Int Peak	0.10790			Int Peak	0.10790		
							Off Peak		0.10790		Off Peak	0.10790	0.10790	
							SURCHARGES				SURCHARGES			
							SUKCHARGES	0.01348	0.01348		SUKCHARGES	0.01368	0.01368	

C. McCABE
Direct Testimony
DC P.S.C. -- July, 2017

Introduced as: PEPCO _____ (D)

POTOMAC ELECTRIC POWER COMPANY

BEFORE THE PUBLIC SERVICE COMMISSION OF THE DISTRICT OF COLUMBIA TESTIMONY OF CYNTHIA MCCABE FORMAL CASE NO. 1145

1 O1. Please state your name and position.

- A1. My name is Cynthia McCabe. I am the Communications Director at Pepco
 Holdings. I am testifying on behalf of Potomac Electric Power Company (Pepco or the
 Company).
- 5 Q2. What are your responsibilities in your role as Communications Director?
- A2. I perform executive communications functions to ensure strategic alignment and integration of all customer communications, customer education, marketing, brand positioning, and advertising strategies.
- 9 Q3. Please state your occupational history.

10

11

12

13

14

15

16

17

18

19

20

A3.

I joined Pepco Holdings in May 2017. I have more than 18 years of communications and leadership experience, including considerable experience leading integrated communications efforts. My background most recently includes more than a decade of managing communications teams focused on engaging and educating diverse audiences and stakeholder groups, including multi-million-member associations, local, state, and federal government bodies, and media, working at the American Federation of State, County, and Municipal Employees (AFSCME, AFL-CIO). My expertise focuses on harnessing the communications opportunities that come from a fully integrated operation employing digital and print media, social media, public outreach, and video. I have managed multi-million dollar budgets, ensuring resources are allocated strategically and judiciously, reflecting the paramount role of mindful, customer/client/member-

1		focused marketing strategies. Additionally, I have considerable experience leading
2		communications efforts around policy initiatives with allied organizations, community
3		groups, and government bodies.
4		Prior to my work in progressive political communications, I served as a reporter
5		for major metro and mid-metro newspapers in South Florida and North Carolina,
6		covering local government, crime and courts, and education.
7	Q4.	Please state your educational history.
8	A4.	I graduated from Clemson University in 1998, with a B.A. in English and double
9		minor in History and Writing (journalism concentration).
10	Q5.	Have you ever testified before the Public Service Commission of the District of
11		Columbia (Commission)?
12	A5.	No.
13	Q6.	Was your Direct Testimony prepared by you or under your direction?
14	A6.	Yes, this Direct Testimony was prepared by me or under my direct supervision
15		and control. The source documents for my testimony are Company records, public
16		documents, and my personal knowledge and experience.
17	Q7.	What is the purpose of your Direct Testimony?
18	A7.	The purpose of my Direct Testimony is to provide an overview of the District of
19		Columbia Power Line Undergrounding (DC PLUG) Education Plan (Education Plan), its
20		origins, and the overall strategy of the Education Plan that Pepco and the District
21		Department of Transportation (DDOT) are jointly proposing. I also provide the budget

22

for the Education Plan. Finally, I demonstrate the reasonableness of the Education Plan.

Appendix N to the First Biennial Plan contains both the Education Plan and the accompanying budget.

HISTORY OF THE EDUCATION PLAN

Q8. What gave rise to the creation of this Education Plan?

A8.

In August 2012, Mayor Gray convened a Task Force to provide advice on actions that may be taken to reduce future storm-related power outages. The Task Force carefully studied the issue of placing power lines underground in order to improve electric system reliability and public safety in the District of Columbia during a variety of weather conditions. The Task Force recommended that DDOT and Pepco develop a public awareness and communications plan and budget and engage in comprehensive consumer education. In October 2013 the Task Force issued its Final Report which specifically discussed the implementation of a communications plan. The Task Force found that:

...a comprehensive communications program is an essential strategy for informing stakeholders—ratepayers, utility consumers, and taxpayers—about the expected benefits of power line undergrounding and engaging the community during project planning and implementation. The District and Pepco will implement a communications program that presents the scope, program design, and impact of undergrounding to build public understanding of the planned electric system improvements.¹

As a result, the Task Force recommended that: Pepco and the District, including OPC, should prepare a comprehensive communication plan to inform, educate and update

Page 101 of the October 2013 Power Line Undergrounding Task Force's Finding and Recommendations report (Final Version).

ratepayers, consumers and other stakeholders about undergrounding program development and implementation.

A9.

The Electric Company Infrastructure Improvement Financing Act of 2014 (the Original Act) (D.C. Law 20-102),² which became effective May 3, 2014, required DDOT and Pepco to file a joint application for the Commission's approval of a triennial plan for undergrounding certain electrical facilities. On June 17, 2014, in accordance with Section 307(a) of the Original Act, Pepco and DDOT filed an application with the Commission, seeking the approval of their first triennial Underground Infrastructure Improvement Projects Plan (the First Triennial Plan).

DDOT and Pepco also included in the First Triennial Plan a comprehensive communication plan to inform, educate and update customers and other stakeholders about undergrounding program development and implementation (the Education Plan).

Q9. Did any party object to the proposed Education Plan that DDOT and Pepco filed with the First Triennial Plan?

Yes, the Office of the People's Counsel (OPC) filed a protest to the First Triennial Plan, contending, among other things, that DDOT and Pepco "failed to demonstrate that the [Education Plan] is properly designed to effectively disseminate pertinent, timely and accurate information to those District residents and businesses directly affected by the

The Original Act was subsequently modified on May 17, 2017, by Mayor Muriel Bowser who signed (and thereby made effective) the Electric Company Infrastructure Improvement Financing Emergency Amendment Amended Act of 2017 (as amended, Undergrounding Act). On May 19, 2017, the Mayor signed the permanent legislation which will become effective after a 30-day Congressional review period. The Emergency Amended Act did not modify any aspect of the Education Plan.

undergrounding infrastructure improvement projects in the Triennial Plan."³ In its protest, OPC filed a number of recommendations addressing the First Triennial Plan and the Education Plan.⁴

Q10. Did DDOT and Pepco address OPC's concerns regarding the Education Plan?

A10. Yes, in response to OPC's Protest, DDOT and Pepco met with OPC to review the recommendations, and the parties were able to resolve OPC's issues relating to the Education Plan. On September 15, 2014, Pepco filed a "Joint Stipulation of the Office of People's Counsel, Potomac Electric Power Company and the District Department of Transportation Resolving Recommendations 1-13 and 16-25 of the Protest of the Office of the People's Counsel in Formal Case No. 1116" (Joint Stipulation).

Q11. Please describe the key terms relating to communications in the Joint Stipulation.

A11. In addition to the timeframes outlined in the Education Plan, DDOT and Pepco agreed to provide a pro forma timeline that further defines the timeframes in which notifications regarding impending construction will be sent to affected residents and businesses. In addition, DDOT and Pepco agreed to provide all affected Wards, (i.e., Wards 3, 4, 5, 7, and 8) with a central place for residents to get information regarding the DC PLUG initiative. Specifically, there will be a mobile, pop-up outreach center based in an electric vehicle that DDOT and Pepco will move around the affected areas. Additionally, DDOT and Pepco agreed to work with the DC Public Library service to designate a DC PLUG initiative information resource hub (e.g., an information kiosk,

OPC Protest at 5-6.

Recommendations 1-13 addressed technical and other aspects of system design, construction and operation, while Recommendations 16-25 addressed the Education Plan.

such as a banner or poster alongside fact sheets and other informational handouts) in a public library in each of Wards 3, 4, 5, 7, and 8.

3 Q12. Are there any other stipulations pertaining to the Education Plan?

4 A12. Yes. A complete list of stipulations pertaining to the Education Plan is attached to my testimony as PEPCO (D)-1.

6 Q13. Did the Commission approve the Education Plan and the Joint Stipulation?

Yes, on November 12, 2014, the Commission issued Order No. 17697⁵ which, among other things, approved the Education Plan. In the order, the Commission found "that overall this plan, coupled with the representations made in the Joint Applicants' Statement in response to the Community Comments, and the Joint Stipulation, adequately addresses many of the concerns expressed by parties and members of the community." In Paragraph 229, the Commission outlined additional requirements to the Education Plan to include: 1) at least 30-15-7 days advance notice of impending construction in impacted neighborhoods; 2) weekly updates placed on the DC PLUG website, which will be linked to from Pepco.com to facilitate the public having as much information regarding the operations of the DC PLUG initiative as possible; and, 3) the requirement that absent unavoidable circumstances, Pepco and DDOT could not conduct construction in residential areas between 7 p.m. and 7 a.m. Monday – Saturday.

A13.

Order No. 17697 at Paragraph 227.

Q14. Is the Education Plan included in Appendix M of the First Biennial Plan the same as the Education Plan approved in Order No. 17697, as clarified in Order No. 17770?

A14. Yes. Certain changes were necessitated by Order Nos. 17697 and 17770, and Mayor's Order Nos. 2015-162 and 2015-166, as well as modernized updates to include mobile, pop-up community outreach stations in place of brick-and-mortar facilities, updated digital activities including removal of a District-operated listserv and outdated Facebook features, and refreshed key messages to be used for public communication on the benefits of the DC PLUG initiative. While the original Education Plan contemplated physical real estate for outreach locations, the modernized Education Plan included in Appendix N makes a more cost-effective switch to sending Pepco-owned electrical vehicles into communities as mobile, pop-up outreach stations. These mobile, pop-up outreach stations will allow for greater flexibility to best center and conduct outreach with the community. Messaging is updated in the Education Plan to reflect the DC PLUG initiative's focus on resiliency against storms.

RESIDENT, BUSINESS AND OTHER STAKEHOLDER EDUCATION AND OUTREACH

Q16. Why is the Education Plan important to the DC PLUG initiative?

A16. The DC PLUG initiative will place selected power lines underground and limit the impact storms have on the electric system.⁶ This initiative will also benefit the District of Columbia by stimulating economic growth through job creation.⁷ At the same time, residents, businesses, and other stakeholders are necessarily going to be impacted in

Final Report at 72.

Final Report at 72.

their daily lives. It is critical for DDOT and Pepco to share with residents, businesses, and other stakeholders the benefits of the DC PLUG initiative as well as discuss the temporary inconveniences that they may experience. Without this balanced education, the community may not understand what work is occurring and may view the efforts as inconvenient only, overlooking the benefits for residents of the District of Columbia. Residents, businesses, and other stakeholders will receive ongoing communications regarding DC PLUG construction activities so that they can make adjustments, including better avoiding traffic and parking disruptions the work may cause. It is important to the success of the DC PLUG initiative that all residents, businesses, and other stakeholders understand that the short-term inconveniences that they may experience will be offset by the long-term benefits, including greater resiliency – the ability to better weather major storms – as power lines are placed underground.

Q17. What are the objectives of the Education Plan?

A17.

There are two sets of objectives. The first set of objectives is meant to educate residents, businesses, and other stakeholders about how the DC PLUG initiative to bury power lines underground came into being. To that end, the Education Plan incorporates outreach and materials as well as messaging that will explain: (1) the impact power outages have on residents, businesses, and other stakeholders; (2) that inaction in the face of increasing storm frequency and intensity is not a viable option; (3) the analysis to examine existing conditions, technical solutions and financing options, and to develop a common understanding of the initiative's significant value, and (4) the impact—both

financial and physical—on residents, businesses, and other stakeholders of placing primary lines underground.

The second set of objectives is specific to the planning and implementation of the DC PLUG initiative. Specifically, the Education Plan is intended to allow DDOT, Pepco and others to (1) educate residents, local businesses, and other stakeholders about DC PLUG planning, including the construction affecting each ward and coordination with compatible or concurrent initiatives, work effort progress and performance and infrastructure improvement benefits; (2) develop coherent community outreach and public awareness activities to allow timely notice to and collection of feedback from residents, businesses and other stakeholders throughout implementation of the DC PLUG initiative; and (3) present clear and reliable information regarding resiliency and everimproving reliability resulting from placing primary lines underground. These objectives may evolve over time as the DC PLUG initiative progresses.

Q18. What are the key messages identified in the Education Plan?

A18.

- DDOT and Pepco have developed a number of messages directed to residents, businesses, and other stakeholders that are critical to convey to the various stakeholders in order for the DC PLUG initiative to be successful. Below are some of the messages from the Education Plan:
- Benefits include, but are not limited to: improved resiliency, reduced outages, and faster restoration.
- Information on the process as it relates to residential and commercial interests such as small businesses, hospitals, universities, and shopping corridors, disruption of transportation in communities, roadway construction, and streetscape coordination.

- Pepco will coordinate its work, where possible, with other construction projects in the District of Columbia to reduce costs and minimize inconvenience.
 - Over the life of DC PLUG, a number of direct employment opportunities will be created for the existing workforce of Pepco and DDOT, and additional positions may be created. These opportunities will span across all levels of engineers to design the projects, skilled laborers to construct the conduit systems and journey workers to install the electrical equipment. There will be additional indirect employment created along the regional supply chain from various outside entities that provide materials and services to Pepco, the District of Columbia government and their respective contractors. There will also be additional indirect jobs created when the taxes generated from this work stimulate the growth of District businesses that respond to the supply and demand created by large-scale construction. And of course electric customers throughout the District will benefit from increased resilience and reliance of the electric distribution system. thereby promoting economic productivity generally. Overall, the project brings significant positive economic impacts, with a commitment to using diverse suppliers, helping us energize the diverse, local communities where we live and work. (More information is contained in DDOT Witness Williams' testimony).
 - Placing power lines underground, coupled with Pepco's other infrastructure improvements, will provide resiliency against severe storms.
 - Placing underground only primary power lines is the preferred scenario because it offers the best balance between cost and improved resiliency.⁸
 - Additional messaging may be added over the life of the DC PLUG initiative as necessary.

Q19. Is the proposed Education Plan reasonable?

A19. Yes. The Education Plan provides the appropriate level of communications to keep District of Columbia residents, businesses, and stakeholders well informed throughout the initiative. DDOT and Pepco have spent many months working with various stakeholders to create the most effective plan for educating the community about the DC PLUG initiative. In the process, DDOT and Pepco have carefully considered the many factors that go into achieving the most effectively scoped Education Plan. In

1 2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19 20

21

22

23

24

25

26

27

28

29

⁸ Education Plan at 25.

addition to the factors discussed above, DDOT, Pepco, and the District have listened to the concerns of parties involved in this proceeding, particularly OPC, that the maximum amount of funds designated for the DC PLUG initiative be spent on placing the lines underground. The Education Plan strikes the appropriate balance between effectively communicating with the community and preserving the dollars for use on placing lines underground. Importantly, the Commission agreed that the Education Plan is reasonable when it approved the plan in Order No. 17697, as clarified in Order No. 17770.

Q20. When is the Education Plan anticipated to be implemented?

A21.

A20. Phases of the Education Plan are expected to be rolled out at different times, but the initial phase of the communications will begin upon approval of the First Biennial Plan, which is anticipated in 2017. The Education Plan spans the life of the DC PLUG initiative.

Q21. Why does the Education Plan extend beyond the first year of the DC PLUG initiative?

The first year is important in order to educate all residents, businesses, and other stakeholders about the DC PLUG initiative and its scheduled construction. However, because the initiative targets feeders in different neighborhoods each year throughout the life of the initiative, it is imperative to continue communicating with residents, businesses, and other stakeholders about what the initiative is, how it benefits the entire District of Columbia and what inconveniences residents and businesses can expect. It will be important to communicate, for instance, the schedule of work, road closings, and transportation issues throughout the life of the DC PLUG initiative. While some

1		communications can be leveraged over the life of the initiative, others will need to be
2		created or customized to inform residents, businesses, and other stakeholders about
3		ongoing construction activities in their specific areas.
4	Q22.	What types of outreach and materials will be used to implement the Education
5		Plan?
6	A22.	In very general terms, the Education Plan will make use of community outreach;
7		resident, business, and other stakeholder communications; earned and paid media; digital
8		communications; customer service; surveys, internal communication; thought leadership;
9		project identity; and, a logo to help convey the messaging to residents, businesses, and
10		other stakeholders. The Education Plan contains more specific outreach and materials for
11		each general category.
12	Q23.	Will all of the outreach and materials be used over the life of the DC PLUG
13		initiative?
14	A23.	Generally, yes. The outreach and materials will likely be used over time during
15		the life of the DC PLUG initiative. However, changes may be necessary. If, as the DC
16		PLUG initiative progresses, certain outreach and materials are no longer relevant, they
17		will not be used. Others may be added to the collateral for the campaign.
		EDUCATION PLAN BUDGET
18	Q24.	Where in the Education Plan can the Commission find the budget information?
19	A24.	A discussion of the budget is located in Section 7 of the Education Plan and the
20		detailed proposed budget can be found in Appendix N of the First Biennial Plan.

1	Q25.	Does the First Biennial Plan Education Plan Budget differ from the Education Plan
2		Budget proposed in the Triennial Plan?
3	A.25.	No, the budget amount for the Education Plan is the same.
4	Q26.	What is the total budget for the Education Plan?
5	A26.	The total budget for the Education Plan is \$929,278.
6	Q27.	What amount will be recovered by Pepco through the Underground Project
7		Charge?
8	A27.	Pepco will recover \$657,028 through the Underground Project Charge. ⁹
9	Q28.	Is the budget for the Education Plan reasonable?
0 ا	A28.	Yes, in Order No. 17697, the Commission deemed that the Education Plan budget
11		is reasonable, stating, "[g]iven that the Joint Applicants and OPC have entered into the
12		Joint Stipulation, that has been accepted by the Commission and that there have been no
13		further concerns raised regarding the prudency of these expenditures, the Commission
14		finds the proposed DC PLUG Education Plan Budget set forth in Attachment N of the
15		Triennial Plan to be prudent."10
16	Q29.	What other evidence leads you to think that the budget for the Education Plan is
17		reasonable?
18	A29.	The Education Plan is scalable and flexible to address community needs and
19		interests throughout the duration of project construction. In the process of creating the
20		Education Plan in Appendix N, DDOT and Pepco looked at a variety of different scales

Order No. 17697 at Paragraph 208.

Company Witness Janocha will discuss how the charge will be designed and collected.

Witness McCabe

89 A30.	identified in the Education Plan? Yes.
	Are the line items in the budget consistent with the outreach and materials that are
6	Plan is reasonable in light of the objectives.
5	placing power lines underground. As a result, the budget that supports the Education
4	that the bulk of the funds allotted to the DC PLUG initiative should be directed toward
3	effectively communicate the necessary project-related information while also ensuring
2	year to the current estimated budget in Appendix N. The current Education Plan will
1	of drafts of education plans that ranged in cost estimated at approximately \$4 million per

11

A31. Yes, it does.

VERIFICATION

Washington, D.C.)
) ss:
)

Cynthia McCabe, being first duly sworn, deposes and says that she is the Communications Director for Pepco Holdings LLC, she has read the foregoing Direct Testimony and associated exhibits, she has knowledge of the matters set forth therein, and the statements therein are true and correct to the best of her information, knowledge and belief.

Cynthia McCabe

Subscribed and sworn to before me this 28 day of June, 2017.

District of Columbia: SS Subscribed and Sworn to before me,

this 28 day of June

/

Notary Public

My commission expires

s 10

C. McCABE
Direct Exhibit
DC P.S.C. -- July, 2017
Introduced as:
PEPCO _____ (D) - 1

COMMUNICATIONS STIPULATIONS

The Stipulating Parties are in general agreement regarding the Education Plan and the manner in which to most effectively convey important information regarding the DC PLUG initiative and its impact on the affected communities. With respect to the communications recommendations raised by OPC, the Stipulating Parties have agreed on additional enhancements to the existing Education Plan. The additional agreements are identified in the individual stipulations below. With the stipulations below, the Stipulating Parties agree that all disputes relating to OPC's Recommendations 16-25 are resolved.

1. Recommendations 16-18.

In Recommendations 16-18, OPC expressed a general concern regarding the timeline for notifying residents and businesses before work commences in their specific neighborhoods or on their streets. The Stipulating Parties agree that notifications to residents and businesses are critical and are necessary at various times prior to the commencement of construction. In addition to the timeframes outlined in the Education Plan, Pepco and DDOT agree to provide a *pro forma* timeline that further defines the timeframes in which notifications regarding impending construction will be sent to affected residents and businesses.

2. Recommendation 19.

In Recommendation 19, OPC expressed a desire for Pepco and DDOT to provide all affected Wards a central place for residents to get information regarding the DC PLUG initiative. Specifically, OPC requested that in addition to the two staffed outreach centers contemplated in

the Education Plan, Pepco and DDOT place information in a public library in each of the affected Wards. The Stipulating Parties agree that Pepco and DDOT will work with the DC Public Library service to designate a DC PLUG initiative information resource hub (e.g., an Information Kiosk, such as a banner or poster alongside fact sheets and other informational handouts) in a public library in each of Wards 3, 4, 5, 7, and 8.

3. Recommendation 20.

In Recommendation 20, OPC expressed a concern that the phone line dedicated to the DC PLUG initiative, as outlined in the Education Plan, would not provide the necessary level of responsiveness to affected residents' and businesses' concerns. The Stipulating Parties agree to update the Education Plan by clarifying that Pepco and DDOT will devise a joint strategy to unify distinct call center policies, systems and practices, as applicable, to establish a responsive phone service that directs callers, through menu options, to appropriate resources and captures caller inquiries and comments (allowing for proper "triaging" of calls of a more urgent nature) to achieve timely caller follow-up. The Stipulating Parties will work to clearly define "timely" once Pepco and DDOT's respective call center policies, practices, and the like have been coordinated.

4. Recommendation 21.

In Recommendation 21, OPC recommended that the Education Plan include a crisis communications plan. The Stipulating Parties agree that both DDOT and Pepco have well-established crisis communications plans for current operations. Pepco and DDOT agree that they will include a briefing specific to the DC PLUG initiative so that Pepco and DDOT crisis

communications and on-site field personnel would understand the initiative and be able to incorporate it into normal crisis communications operating procedures in crisis situations and have clear instructions about what to do in case of a crisis or media at the job-site. Moreover, the public will be informed of the applicability of Pepco's and DDOT's current respective crisis communications plans/protocols.

5. Recommendation 22.

In Recommendation 22, OPC expressed a concern that Pepco and DDOT always include the tagline "Making your electric system more resilient" with the DC PLUG logo and that they also include the full name "District of Columbia Power Line Undergrounding." The Stipulating Parties first agree that the logo and tagline would always be used together. The Stipulating Parties further agree that where the logo and the tagline appeared on materials that contained or in some way linked to other explanatory text, including but not limited to press releases and other written materials, use of the logo and tagline alone was sufficient. However, where the logo and tagline were stand-alone components, Pepco and DDOT agree to include the full name of the initiative where space permits.

6. Recommendation 23.

In Recommendation 23, OPC expressed its desire that copy and messaging identify OPC and the District as joint owners of the DC PLUG initiative. OPC withdraws this recommendation in light of the fact that the Act makes clear that Pepco and DDOT are the owners of the initiative. The Stipulating Parties agree that only Pepco and DDOT will be identified in copy and messaging.

7. Recommendation 24.

In Recommendation 24, OPC expressed the desire that the messaging produced as a result of the Education Plan address the impact of construction activity on street parking and rodent activity as well as proactive mitigation/abatement strategies and tactics that Pepco and DDOT will employ. Pepco and DDOT conveyed that these types of messages are a normal part of construction and were contemplated in the Education Plan. Pepco and DDOT agree that these types of messages and other important information regarding construction will be conveyed when the Education Plan is implemented.

8. Recommendation 25.

In Recommendation 25, OPC expressed the desire that the Education Plan incorporate a wider range of media channels for conveying information. The Stipulating Parties agree that the most effective way to convey information regarding construction progress and other important initiative information is through a mix of media channels. Pepco and DDOT agree to employ the appropriate mix of media channels to convey information regarding the initiative, which may include channels such as social media, earned media, paid media, and targeted print media (including local and neighborhood papers and publications).

R. WILLIAMS
Direct Testimony
DC P.S.C. -- July, 2017

Introduced as: DDOT ____ (A)

DISTRICT DEPARTMENT OF TRANSPORTATION

BEFORE THE DISTRICT OF COLUMBIA PUBLIC SERVICE COMMISSION DIRECT TESTIMONY OF RONALD WILLIAMS FORMAL CASE NO. 1145

1	Q1.	Please state your name, your title, your employer, and the address of your
2		employer.
3	A1.	My name is Ronald Williams. I am a Professional Engineer and Program
4		Manager for the District Department of Transportation (DDOT), located at 55 M
5		Street, SE, Washington, DC 20003. I am testifying on behalf of DDOT.
6	Q2.	Please state your educational and occupational history.
7	A2.	I earned a Bachelor of Science Degree in Civil Engineering from the
8		University of Maryland, College Park and a Master of Science Degree in Structural
9		Engineering from The George Washington University.
10		My employment history is as follows:
11		1974-1986 Civil Engineer Bechtel Power Corporation, Gaithersburg, MD,
12		1986-1990 Civil Engineer, Washington Metropolitan Area Transit Authority
13		(WMATA),
14		1990-1992 Senior Specialist Engineer, WMATA,
15		1992-1998 Construction Engineer, WMATA,
16		1998-2003 Project Manager, WMATA,
17		2003-2005 Assistant Director of Engineering and Architecture, WMATA,
18		2005-2016 Assistant Chief Engineer, WMATA,
19		June 2016-April 2017 Retired from WMATA; and,
20		April 2017-Present Supervisory Civil Engineer, DDOT.

	My	profess	sional	exp	erience	is	in	civil	engineer	ring	desig	gn,	project
manag	gemen	t and co	nstruct	ion 1	managen	nent.	Th	is exp	erience ra	nges	from	dev	eloping
concep	otual	design	plans,	to	comple	ting	fina	al con	struction	plar	is, to	m	anaging
constr	uction	activiti	es both	on	the publi	c an	d pri	vate s	ides.				

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

In my previous employment, my duties included: (1) reviewing proposals; (2) performing engineering computations; (3) generating and reviewing reports; (4) coordinating with utilities to relocate and install new infrastructure; (5) overseeing quality assurance checks and inspections; (6) coordinating with property owners for acquiring rights-of-way: (7) presenting designs to DC, Maryland and Virginia State Historic Preservation Offices; (8) presenting designs to DC Advisory Neighborhood Commissions, Fine Arts Commission and Maryland National Capitol Park and Planning Commission; (9) serving as the Contracting Officer Technical Representative for various general engineering consultant contracts and various section design engineering contracts; (10) serving as the Contracting Officer Representative for various construction contracts; and (11) managing the design criteria, standard specifications, standard drawings and design drawings updates. While employed at WMATA, I worked on many different types of projects, including construction adjacent to WMATA facilities and management of the design of the Franconia-Springfield Metrorail Station. Additionally, I managed many infrastructure projects within WMATA's operating system.

My relevant licenses include Professional Engineer (PE-8912) registered in the District of Columbia, Professional Engineer (#12781) registered in the state of

1		Maryland, Professional Engineer (#12987) registered in the Commonwealth of
2		Virginia and Engineer in Training (EIT #2282) in the State of Maryland.
3	Q3.	Have you ever testified before the Public Service Commission of the District of
4		Columbia (Commission)?
5	A3.	No, I have not.
6	Q4.	Was your testimony prepared by you or under your direction?
7	A4.	Yes. This testimony was prepared by me or under my direct supervision and
8		control. The sources for my testimony are DDOT records, public documents, and my
9		personal knowledge and experience.
10	Q5.	What is the purpose of your testimony?
11	A5.	The purpose of my testimony is to discuss (a) the DDOT Underground
12		Electric Company Infrastructure Improvement Costs, including the portion of the DC
13		PLUG initiative Education Plan to be funded by DDOT; (b) the DDOT Underground
14		Electric Company Infrastructure Improvement Charges (DDOT Charges); and
15		(c) other information, such as local business procurement.
16	Q6.	Which provisions of Undergrounding Act ¹ does your testimony address?
17	A6.	I am testifying in regard to Sections 303(c), 308(a)(3)(E), and 308(c)(2), (4),
18		(5) and (10) of the Undergrounding Act. As demonstrated herein, the DDOT

in accordance with the Undergrounding Act and are reasonable.

Underground Electric Company Infrastructure Costs are authorized by the

Undergrounding Act and are prudent, and the DDOT Charges have been established

19

20

21

The Electric Company Infrastructure Improvement Financing Act of 2014 was modified on May 17, 2017, by Mayor Muriel Bowser who signed (and thereby made effective) the Electric Company Infrastructure Improvement Financing Emergency Amendment Act of 2017 (as amended, Undergrounding Act).

1	Q7.	What are the DDOT Underground Electric Company Infrastructure
2		Improvement Costs and the DDOT Underground Electric Company
3		Infrastructure Improvement Activity?
4	A7.	Pursuant to Section 101(14) of the Undergrounding Act, DDOT Underground
5	*	Electric Company Infrastructure Improvement Costs are:
6 7 8 9 10 11 12 13 14 15 16 17		any cost incurred by DDOT, including capitalized costs relating to an underground electric plant, capitalized costs associated with design and engineering work, expenses that DDOT incurs for the development of annual construction plans, contingency for the costs to complete and place in service the electric plant to be installed in the applicable biennial Underground Infrastructure Improvement Projects Plan and other expenses incurred or expected to be incurred by or for the account of DDOT in undertaking DDOT Underground Electric Company Infrastructure Improvement Activity, including preliminary expenses and investments and other costs that reasonably may be incurred in support of the DDOT Underground Electric Company Infrastructure Improvement Activity.
19		Pursuant to Section 101(11) of the Undergrounding Act, the DDOT Underground
20 21 22 23		Electric Company Infrastructure Improvement Activity is: The civil engineering for and the construction and installation of DDOT Underground Electric Company Infrastructure Improvements.
24	Q8 .	Where in the First Biennial Plan did DDOT and Pepco include itemized
25		estimates of the DDOT Underground Electric Company Infrastructure
26		Improvement Costs, as required by Section 308(c)(2) of the Undergrounding
27		Act?
28	A8.	Itemized estimates of the DDOT Underground Electric Company
20		Infrastructure Improvement Costs can be found in Annendix H made available in

public and confidential versions.² DDOT and Pepco are seeking confidential treatment of the cost information because, based on past experience, a potential contractor's bid is likely to be more competitive if it does not know in advance what DDOT and Pepco expect a project to cost.³

Q9. How did DDOT develop the itemized estimate of the DDOT Underground Electric Company Infrastructure Improvement Costs?

DDOT developed the civil cost estimates included in the First Biennial Plan in a manner consistent with standard DDOT practices for estimating the civil cost of a DDOT project in the development phase. In this process, DDOT first employed the historical bid-based methodology for items of work normally found in DDOT This methodology allowed DDOT to leverage its experience bidding specific types of DDOT pay items and quantities that will be included in the DC PLUG initiative to calculate an estimated cost. DDOT maintains a database of contractors' bid prices in a software application known as AASHTOWare. Next, DDOT used the cost-based estimating methodology for specific items that can be calculated using RSMeans Heavy Construction Cost Data ("RSMeans"), which is also used by DDOT contractors. RSMeans uses the cost of materials and the cost of labor to determine total cost. RSMeans also calculates how many crews will be required to perform the work, based on their estimated daily output. DDOT also used the cost-based estimating methodology to verify the accuracy of the civil cost estimates calculated using historical bid-based cost estimating.

See First Biennial Plan at Appendix H.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

2

A9.

DDOT and Pepco are providing the itemized Electric Company Infrastructure Improvement Costs and DDOT Underground Electric Company Infrastructure Improvement Costs under confidential cover pursuant to 15 D.C.M.R. § 150. Aggregate amounts for DDOT, Pepco and Total Costs appear in Appendices B and C.

1		In conjunction with the methods described above, DDOT employed its
2		engineering judgment, experience, and guidelines such as DDOT's Standards and
3		Specifications for Highways and Structures. ⁴
4	Q10.	Are the DDOT Underground Electric Company Infrastructure Improvement
5		Costs included in the First Biennial Plan prudent?
6	A10.	Yes, the DDOT Underground Electric Company Infrastructure Improvement
7		Costs included in the First Biennial Plan are prudent because they include all costs
8		necessary to perform the projects and work that is included in the DDOT
9		Underground Electric Company Infrastructure Improvement Activity, these costs will
10		be incurred by DDOT in a cost-effective manner, and they will be funded by the
11		DDOT Charges.
12	Q11.	What are the DDOT Charges?
13	A11.	Section 101(13) of the Underground Act defines the DDOT Charge as "a
14		charge imposed by the District on the electric company pursuant to a financing order
15		issued by the Commission, which charge shall be used by the District to pay the
16		DDOT Underground Electric Company Infrastructure Improvement Costs."
17	Q12.	In the First Biennial Plan, what is the amount of the DDOT Charges that the
18,		District is seeking Commission approval to impose on Pepco?
19	A12.	The DDOT Charges for which the District is seeking approval to impose on

Pepco for the First Biennial Plan is \$60 million, or \$30 million per year.

20

The Commission previously approved DDOT's cost estimate methodology for the DDOT Underground Electric Company Infrastructure Improvement Costs when the Commission approved the First Triennial Plan in Order No. 17697.

Q13. Are the DDOT Charges reasonable?

1

2 A13. Yes, the DDOT Charges are reasonable because they allow DDOT to collect 3 the \$187.5 million dollars authorized under the Undergrounding Act over the life of 4 the DC PLUG initiative, as contemplated by the Undergrounding Act. Based on 5 current planning, DDOT and Pepco will be filing three biennial plans with DDOT 6 Charges of approximately \$60 million per biennial plan (or \$30 million per year). 7 Consequently, the total collected by the District from Pepco will be equal to or less 8 than the \$187.5 million authorized pursuant to Section 301(a)(2)(A). Furthermore, as 9 described in the testimony of Company Witness McGowan, Pepco will make payment of the DDOT Charges by the 10th day of each month during the First 10 Biennial Plan, and Pepco will remit a payment equal to 1/24 of the DDOT Charges 11 12 approved for the First Biennial Plan and pay it to the DDOT Underground Electric 13 Company Infrastructure Improvement Fund (DDOT Improvement Fund), as required 14 by Section 301(a)(2)(B) of the Undergrounding Act. The DDOT Improvement Fund 15 will be administered by the Director of DDOT and will be used solely to pay for 16 DDOT Underground Electric Company Infrastructure Improvement Costs, in 17 accordance with Section 303a of the Undergrounding Act. 18 Does DDOT plan to coordinate the DDOT Electric Company Infrastructure 014. 19 Improvements Activity with DDOT roadwork and other projects that involve 20 disruption to and subsequent restoration of road surface or that otherwise 21 impede the flow of traffic along the roadway? 22 A14. Yes, DDOT is currently analyzing its planned resurfacing and reconstruction 23 projects in the District of Columbia in an effort to identify opportunities for

coordination with the DC PLUG initiative and potential cost savings. These opportunity projects derive from coordinating the DC PLUG initiative work with DDOT reconstruction and planned resurfacing projects. DDOT reconstruction work includes projects that are in DDOT's current Six-Year Transportation Improvement Program. The scope of work for these projects typically includes full reconstruction of the road including, but not limited to, new sidewalks, curbs, gutter, full depth roadway, inlets, landscape, utilities, street lights and traffic signals. DDOT resurfacing work includes projects that are in DDOT's Annual Paving Plans. The scope of this work typically includes milling and paving of the roadway surface only, with some minor roadway repair work. Any opportunity projects DDOT identifies will contribute to the up to \$62.5 million contribution from the DDOT Capital Improvement funding.

DDOT is looking closely at the areas of the District of Columbia that are served by one or more of the top-ranked 20-30 feeders (according to Appendix A) to identify planned resurfacing or reconstruction projects that may coincide with projects to place those feeders underground.

In addition to the six feeders selected to be placed underground,⁵ DDOT and Pepco may prioritize whole or portions of other feeders to take advantage of these opportunities, where it is appropriate and cost-effective to do so. Feeder 14900, selected to be placed underground in the First Biennial Plan, represents a potential opportunity for coordination with existing DDOT roadway reconstruction because a section of the primary mainline of Feeder 14900 runs along the same corridor as

⁵ Appendix B provides information about the six feeders selected to be placed underground in the First Biennial Plan.

1		DDOT's Oregon Avenue reconstruction project (from Military Road to Western
2		Avenue, NW). DDOT and Pepco will provide an update of their efforts to coordinate
3		the projects in the First Biennial Plan in the annual reports as well as in semi-annual
4		meetings on the First Biennial Plan. In addition, Pepco and DDOT will report on the
5		status of coordination efforts in future Biennial Plans filed with the Commission.
6	Q15.	Where in the First Biennial Plan did DDOT include a description of the efforts
7		taken to identify District of Columbia residents to be employed by Pepco and
8		DDOT contractors during the construction of the DDOT Underground Electric
9		Company Infrastructure Improvements and the Electric Company
10		Infrastructure Improvements contained in the First Biennial Plan, as required
11		by Section 308(c)(4) of the Undergrounding Act?
12	A15.	A description of the efforts taken to identify District of Columbia residents to
13		be employed by Pepco and DDOT contractors during this initiative can be found in
14		the "Focus on District of Columbia Businesses and Residents" section of the First
15		Biennial Plan.
16	Q16.	Please briefly discuss the particular efforts that DDOT will undertake to identify
17		District of Columbia businesses to be employed during this initiative.
18	A16.	To assist with the identification of District of Columbia businesses to be
19		employed during this initiative, DDOT will solicit and hire the services of a Pre-
20		Program Management Consultant ("Consultant"). ⁶ The Consultant will: (1) provide
21		an economic assessment of the market capacity of businesses and firms located, and

As part of the solicitation process, DDOT will give up to twelve preference points to an individual, partnership, corporation, or other entity submitting a proposal in response to a bid solicitation, that meets the Certified Business Enterprise (CBE) requirements, such as, but not limited to, Local Business Enterprises, Small Business Enterprises, and Disadvantaged Business Enterprise. See D.C. Code §2-218.43.

licensed to do business, in the District of Columbia; (2) provide an assessment of the District of Columbia resident labor market to determine the availability of the District of Columbia residents to fill newly created jobs; (3) develop a methodology to determine excess market capacity; and (4) provide recommendations for meeting the local hiring goals under the Undergrounding Act.

A17.

DDOT will work closely with the Consultant to utilize District resources available through District agencies. The Consultant will provide a description of existing District programs to encourage procurement from local businesses by District agencies.

Q17. What amount of the DC PLUG initiative Education Plan budget will be paid for by DDOT?

DDOT will pay for outreach and materials under the DC PLUG initiative Education Plan in the amount of \$272,250. These costs are itemized in Appendix N of the First Biennial Plan. The Commission previously found the budget to be reasonable in its Order No. 17697 stating, "[g]iven that the Joint Applicants and OPC have entered into the Joint Stipulation, that has been accepted by the Commission and that there have been no further concerns raised regarding the prudency of these expenditures, the Commission finds the proposed DC PLUG Education Plan Budget set forth in Attachment N of the Triennial Plan to be prudent."

Formal Case No. 1116, at Paragraph 208 (rel. Nov. 12, 2014).

1	Q18.	Are alternate funding sources available for relocation of the overhead equipment
2		and ancillary facilities that will utilize DDOT Underground Electric Company
3		Infrastructure Improvements, such as contributions in aid of construction, the
4		grant of federal highway or economic development funds or other sources
5		(Section 308(c)(5) of the Undergrounding Act)?
6	A18.	DDOT is not aware of available alternate funding sources for the relocation of
7		the overhead equipment and ancillary facilities at this time. Thus, there are no
8		alternate funding sources described in the First Biennial Plan. Throughout the course
9		of the DC PLUG initiative, DDOT, along with Pepco, will seek and utilize, where
10		possible, alternative funding opportunities.
11	Q19.	Have DDOT and Pepco included in the First Biennial Plan a utility coordination
12		protocol in accordance with Section 308(c)(10) of the Undergrounding Act?
13	A19.	Yes, DDOT and Pepco included in the First Biennial Plan a Utility
14		Coordination Protocol that identifies a process to provide notice to and to coordinate
15		engineering, design and construction work performed pursuant to the First Biennial
16		Plan with the other utilities in the District of Columbia that may be affected by the
17		project work. See Appendix O. The Utility Coordination Protocol is based on
18		DDOT's practice of coordinating construction work in the District of Columbia.
19	Q20.	Please describe DDOT's and Pepco's efforts to coordinate with other utilities.
20	A20.	DDOT and Pepco intend to hold monthly utility coordination meetings during
21		the planning, design and construction phases of DC PLUG initiative work. DDOT
22		and Pepco will invite District of Columbia Water and Sewer Authority, Washington
23		Gas Light Company, and Verizon Washington, DC Inc., to participate in the

Witness Williams

1		coordination meetings. Additionally, DDOT and Pepco intend to provide these other
2		utilities the opportunity to review and provide comments on the engineering designs
3		at various stages in the design process for each DC PLUG initiative feeder.
4	Q21.	Does the First Biennial Plan satisfy the requirements of Section 308 of the
5		Undergrounding Act, as required in Section 310(b)(1) of the Undergrounding
6		Act?
7	A21.	Yes, for the reasons discussed above and in the testimonies of Company
8		Witnesses McGowan, Clark, Janocha and McCabe, DDOT and Pepco have satisfied
9		the requirements of Section 308 of the Undergrounding Act.
10	Q22.	Should the Commission approve the First Biennial Plan as jointly submitted by
11		DDOT and Pepco?
12	A22.	Yes, the First Biennial Plan should be approved as reasonable and consistent
13		with the Undergrounding Act.
14	Q23.	Does this complete your testimony?
15	A23.	Yes, it does.

VERIFICATION

Washington, D.C.)
) ss:
)

Ronald Williams, being first duly sworn, deposes and says that he is the Professional Engineer and Program Manager for the District Department of Transportation, he has read the foregoing Direct Testimony, he has knowledge of the matters set forth therein, and the statements therein are true and correct to the best of his information, knowledge and belief.

Ronald Williams

Rodel a.D. William

day of June, 2017.

14-22

.......

Notary Public

My commission aprimas 6/14/22