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**PUBLIC**

March 31, 2017

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

**Re: Formal Case Nos. 1050 and 1119**

Dear Ms. Westbrook-Sedgwick:

Enclosed please find the 2016 Annual Interconnection Report of Potomac Electric Power Company ("Pepco"), pursuant to Section 4008.5 of Title 15 of the District of Columbia Municipal Regulations ("D.C.M.R."), and Order Nos. 17379 (Feb. 12, 2014), 18113 (Feb. 29, 2016), and 18575 (Oct. 17, 2016). Pursuant to Rule 150.2, Attachment A to this Report is being filed confidentially under separate cover.

Additionally, the enclosed report contains information pursuant to Paragraph 123(b) of Attachment B to Order No. 18148, requiring that "[i]n its annual report to be filed with the Commission pursuant to 15 D.C.M.R. § 4008.5, Pepco shall also report its performance with respect to issuance of permission to operate set forth in clause (a) above. If more than 10% of the permissions to operate requested are not issued by Pepco within twenty (20) business days after satisfaction of the applicable requirements, the annual report will also include specific remedial action to be taken by Pepco to resolve the shortfall and the time frame to perform the remedial action."

Please feel free to contact me if you have any further questions.

Sincerely,



Andrea H. Harper

Enclosures

cc: All Parties of Record

Potomac Electric Power Company  
FC 1050 – Compliance Report for Pepco Covering  
Interconnection Applications Received  
January 1, 2016 through December 31, 2016  
(Filed 3/31/17)



## **I. Introduction**

Pursuant to § 4008.5 of Title 15 of the District of Columbia Municipal Regulations (DCMR), as well as Order Nos. 17379, 18113 and 18575 issued on February 12, 2015, February 29, 2016, and October 17, 2016, respectively, by the Public Service Commission of the District of Columbia (Commission), Potomac Electric Power Company (Pepco or the Company) submits its Annual Interconnection Report for 2016 (2016 Report).

## **II. Background**

On February 13, 2009, the Commission promulgated the District of Columbia Small Generator Interconnection Rules (DCSGIR) setting forth the procedures and standards for customers with on-site generation to interconnect with Pepco's electric distribution system. The DCSGIR requires, among other things, Pepco maintain and track the Company's progress in implementing interconnections in the District of Columbia. On March 29, 2013, Pepco filed its Annual Interconnection Report for 2012 (2012 Report). On February 12, 2015, the Commission issued Order No. 17379, accepting Pepco's 2012 Report, incorporating Pepco's data responses into the record, and directing certain modifications to Pepco's Annual Interconnection Report for 2013 and subsequent reports.

On March 30, 2016, Pepco filed its Annual Interconnection Report for 2015 (2015 Report). On February 1, 2016, Pepco responded to the Commission's January 19, 2016 Data Request No. 7, and on February 29, 2016, the Commission issued Order No. 18113 entering the responses to Data Request No. 7 into the record and directing Pepco to make certain modifications to its Annual Report, beginning with the March 30, 2016 report.

On March 23, 2016, in Formal Case No. 1119, the Commission issued Order No. 18148 which approved the merger of Pepco and Exelon and accepted settlement commitments to improve the interconnection process in the District. On March 30, 2016, Pepco filed its Annual Interconnection Report for 2016 (2016 Report). On May 13, 2016, Pepco responded to the Commission's April 21, 2016 Data Request No. 8, and on October 17, 2016, the Commission issued Order No. 18575 directing Pepco to make certain modifications to its Annual Report, beginning with the March 30, 2017 report.

## **III. 2016 Report**

### **A. Information Required by Section 4008.5**

Section 4008.5 of the DCSGIR requires Pepco to submit to the Commission, within 90 days of the close of each year, a report detailing the following: (1) the total number of and the nameplate capacity of the interconnection requests received, approved, and denied under Level 1, Level 2, Level 3, and Level 4 reviews; (2) the number of interconnection requests not processed within the timelines established in the DCSGIR; and (3) the number of scoping meetings held and the number of feasibility studies, impact studies, and facility studies performed and the fees charged for these studies.

This section is written to comply with § 4008.5 of the DCSGIR.



1. **In compliance with § 4008.5 (a) the Company reports, the total number of and nameplate capacity of complete interconnection<sup>\*</sup> requests received, approved, and denied under Level 1, Level 2, Level 3, and Level 4 reviews:**

- a. **Interconnection Requests Received and Deemed Complete**

In 2016, Pepco received and deemed complete 883 Level 1 requests, 156 Level 2 requests, and 1 Level 4 request. Pepco did not receive any Level 3 interconnection requests in 2016.

The total kW<sup>AC</sup> inverter nameplate capacity for the all requests received and deemed complete in 2016 was 30,255.41 kW<sup>AC</sup>. Exhibit A provides details on the interconnection requests received and deemed complete by Pepco in 2016.

- b. **Interconnection Requests Approved to Install**

Pepco approved 1,051<sup>1</sup> small generator interconnection requests for installation, which is an increase of 31% over 800 applications approved in 2015. The total kW<sup>AC</sup> inverter nameplate capacity for requests approved in 2016 was 31,454.27 kW<sup>AC</sup>.

Pepco approved 902<sup>2</sup> Level I interconnection requests for installation in 2016, with a total inverter nameplate capacity of 3,859.10 kW<sup>AC</sup>.

The Company approved 148 Level 2 applications for installation in 2016.<sup>3</sup> The total inverter nameplate capacity for all Level 2 requests approved for installation was 27,546.67 kW<sup>AC</sup>.

Pepco received and approved one Level 4 application for installation in 2016. The total inverter nameplate capacity for this Level 4 request was 48.50 kW<sup>AC</sup>.

Pepco neither received nor approved any Level 3 interconnection requests in 2016.

Three Level 1 applications and 12 Level 2 applications (for a total of 15) were pending technical screening, as of December 31, 2016. Exhibit A provides further details on interconnection requests approved for installation in 2016.

- c. **Interconnection Requests Denied**

Two Level 2 applications failed one or more screening and were denied as submitted. Both Level 2 applications were revised, resubmitted and subsequently approved for operation.

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<sup>1</sup> This number includes 37 requests received in 2015 and approved in 2016.

<sup>2</sup> This number included 26 Level 1 requests received in 2015 and approved in 2016.

<sup>3</sup> This number includes 11 Level 2 requests received in 2015 and approved in 2016.



**2. In compliance with § 4008.5(b), the Company reports the number of interconnection requests not processed within the timelines established in the rules:**

**a. Timeliness of Application Reviews for Completeness**

Pepco completed the initial review for completeness for 99.9% of the 1,267 interconnection requests received during 2016 within the required timeframe. This represents an improvement over the previous year.

**b. Timeliness of Application Reviews for Approval to Install**

In 2016, Pepco completed 93.6% of the 1,051 Approvals to Install (ATI) within the required timeframe. This represents an improvement over last year.

The Company developed and implemented a streamlined engineering review process to further reduce application processing times and to improve performance with respect to the ATI deadline. Pepco initially launched this streamlined review process for projects with inverter capacities less than or equal to 10kW<sup>AC</sup> and subsequently expanded the process to include projects up to 25 kW<sup>AC</sup>. To qualify for streamlined review, projects must have inverter ratings of 25 kW<sup>AC</sup> or less and meet other technical requirements. Since implementation, the vast majority of applications have been approved through the streamlined review process. The Company plans to further expand this process to include projects up to 50 kW<sup>AC</sup> by the end of the first quarter of 2017. The Company continues to seek ways to further streamline the interconnection process and reduce application processing times. For a more detailed description of this process, please see "Interconnection of Distributed Energy Resources" filed with the Commission on June 21, 2016 in Formal Case No. 1119.

**3. In compliance with § 4008.5(c) the Company reports, the numbers of scoping meetings held and feasibility studies, impact studies, and facilities studies performed and any fees charged for such studies:**

Scoping meetings and studies are only necessary if an internal Pepco review determines that a specific interconnection request may cause an adverse impact on either Pepco's distribution system or on the reliability of electric service for customers on Pepco's distribution system. Pepco held six scoping meetings at the request of contractors and developers in 2016. No new feasibility, impact, or facilities studies were performed, and no new fees were requested in 2016.

**B. Requirements from Order No. 17379**

The Commission directed Pepco to separately report: (1) any applications processed through the completeness review and deemed incomplete; (2) the reason(s) why each application is incomplete; and (3) a breakdown of application level. This section is written to comply with Order No. 17379.



## **1. Interconnection Requests Deemed Incomplete**

In 2016, the Company received and reviewed 227 interconnection requests which were deemed incomplete during the completeness review process and returned them to the customer and contractor for revisions. This represents a 38% decrease in the incompleteness rate as compared to 2015. Of the 227 applications deemed incomplete, 177 were Level 1 requests and the remaining 50 were Level 2. Pepco did not receive any incomplete Level 3 or Level 4 interconnection requests in 2016. A complete list of incomplete application reasons is shown in Table (ii) of Exhibit B.

In the first quarter of 2016, Pepco launched a new online application tool which allows customers and contractors to input application data directly into the system. The online application tool includes select data validation and electronic customer approval before submittal to the Company. As a result of these process enhancements, the Company observed a 75% decrease in applications missing customer signatures and an 18% reduction in applications with missing or incorrect customer information. Additionally, the number of projects submitted on the incorrect form has been reduced by 33%. As contractor adoption of the online application tool continues to increase, Pepco expects further reductions in the number of incomplete applications. Pepco also implemented a new payment procedure for interconnection application fees and requested the elimination of Level 1 application fees. As a result, missing and incorrect application fees no longer constitute incomplete applications. Additionally, Pepco launched its new online Request Customer Usage Portal which allows for real-time transfer of customer historical usage data with my account functionality. The portal allows contractors to electronically request and access a customer's historical consumption, and more accurately determine the appropriate system size for application. Since implementation, the number of applications deemed incomplete due to oversizing has been reduced by 60%. Table (ii) of Exhibit B provides details on incomplete applications reasons. During the fourth quarter of 2016, Pepco conducted targeted outreach to contractors with high rates of incomplete applications to the application process and policies. Throughout the year, Pepco continued to offer webinars and in person meetings to drive improved adoption of the online application process and further reduction in the number incomplete application.

## **2. Exhibits A and B**

Historically, Pepco has included an Exhibit A to consolidate interconnection compliance and statistics reporting in one table. In 2015, Order No. 17379 required modifications to Exhibit A. Specifically, the Commission directed Pepco to: (1) exclude incomplete applications from the total number of applications with reviews completed within the required timeframes; (2) include only first-time applications in the total number of applications with reviews completed within the required timeframe; (3) provide the total number of applications received; (4) provide the total number of applications approved to install; (5) provide the total number of applications denied; (6) provide the total number of applications still under review; and (7) provide the total number of applications withdrawn prior to approval. On January 29, 2016, Order No. 18113, the Commission also directed Pepco to include a category that captures the number of unauthorized interconnections on an annual basis.



In compliance with the Commission's requirements to modify Exhibit A, Pepco delineated its interconnection statistics into Exhibits A and B, with Exhibit A showing all interconnection requests in 2016 reviewed, processed, deemed complete, approved, and unauthorized interconnections, and Exhibit B showing statistics on all incomplete requests processed.

In 2016, Pepco processed 1,267 interconnection requests, including 227 incomplete requests. Only nine interconnection requests were withdrawn prior to receiving the Company's approval to install.

In 2016, Pepco reported one unauthorized interconnection to the Commission's Office of Compliance and Enforcement. The Company identified the unauthorized interconnection during a routine field visit to the customer's premise. Pepco advised the customer on the application process and provided the required documentation to complete the interconnection process.

### **C. Requirements from Order No. 18113**

The Commission directed Pepco to: (1) add an additional table similar to that which was provided in Commission Data Request No. 5, Question 14; (2) provide more detailed information as to why customers decided not to proceed with an interconnection project after scoping meetings; and (3) submit a confidential document listing Levels 2, 3, and 4 interconnection projects approved during the reporting year.

#### **1. Exhibit C**

In compliance with the Commission's requirement to include additional Interconnection Requests and Application statistics, Pepco has delineated supplemental interconnection statistics in Exhibit C, which identifies all interconnection requests received and deemed complete, approved to install, under review on December 31, 2015, under review on December 31 2016, withdrawn prior to approval, denied and not resubmitted, and revised after approval to install.

#### **2. Applications Withdrawn After Scoping Meeting**

In 2016, Pepco held 6 scoping meetings at the request of contractors and developers interested in exploring the feasibility of potential interconnection projects. Each of the customers decided to move forward with the interconnection process.

#### **3. List of Interconnections Approved in 2016**

In compliance with the Commission's requirement to provide a confidential listing of interconnection applications approved during the 2016 reporting year, Pepco has provided Attachment A (Confidential), which identifies the approved Level 2 and Level 4 requests by customer name, address, fuel type, and kW<sup>AC</sup>.<sup>4</sup>

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<sup>4</sup> No Level 3 applications were received or approved in 2016.



#### **D. Requirements from Order No. 18575**

The Commission directed Pepco to provide a distribution of response time to customer calls. In addition, with respect to incomplete applications (1) distribution of the number of days required from the first submission of an incomplete application to final approval; (2) an explanation of whether resubmitted applications have any priority compared to other new applications; and (3) additional changes Pepco plans to implement to further improve the interconnection application process.

##### **1. Distribution of Response Time to Customer Calls**

Pepco's Green Power Connection (GPC) team received 3,559 customer calls related to the interconnection process in 2016. Eighty-eight percent or 3,503 of these calls were answered live by a member of the appropriate process group on the GPC team. The remaining 56 calls were routed to voicemail with an average response time of less than half a business day. Customers are typically routed to voicemail when attempting to contact the GPC team outside of normal business hours or during periods of high call volume when all Account Representatives are assisting other customers. The following table provides a distribution of response times to customer calls that were routed to voicemail.

Distribution of Response Time to Customer Calls in 2016			
Within 24 hrs.	Greater than 24 hrs. but not exceed 48hrs	Greater than 48 hrs. but not exceed 72 hrs.	Greater than 72 hrs.
55	0	1	0

##### **2. Distribution from First Submission of an Incomplete Application to Final Approval**

Distribution of the Average Number of Business Days from First Submission to Final Approval							
Process step	Acknowledgment of Incomplete Application	Resubmission	Acknowledgment of Complete Application	Approval to Install	Submission of Part 2	Authorization to Operate	Total Processing Time from First Submission
Responsibility	Company	Customer	Company	Company	Customer	Company	
Avg. Processing time	1.33	14.28	1.33	5.67	44.75	7.09	74.45

In 2016, Pepco issued the final authorization to operate in an average of 74.45 business days from the date of first submission of an incomplete application. As shown in the table above, the interconnection process includes a number of steps for which the processing time is outside the Company's control. The data indicates the end-to-end processing time from first submission to final authorization to operate took 12.96 business days longer (on average) than applications deemed complete on first submission. Customers receiving an incomplete notification resubmitted application documents in an average of 14.28 business days from the date of the incomplete notification. While resubmitted applications are not treated with priority compared to new applications, the Company found that the average number of business days required (44 versus 56) for Part 2 submission was 21% shorter for incomplete applications compared to complete applications.



Implementation of the new online application intake portal has driven a 38% reduction in the rate of incompleteness and completely eliminated some incompleteness reasons. The Company is currently developing further enhancements to the online application portal aimed at driving further reductions in the rate of application incompleteness. These enhancements include auto-population of customer and contractor information, automated sizing validation and including a dropdown list for inverter manufacturer and model numbers. The enhancements will drive reduction and/or virtual elimination of the top three incompleteness reasons for 2016: (1) Missing/Incorrect System Information; (2) Missing/Incorrect Customer Information; and (3) Incorrect Inverter Information. As contractor adoption of the online application tool continues to increase, Pepco expects further reductions in the number of incomplete applications.

### **3. Resubmitted Applications**

When an application has been deemed incomplete, the customer and contractor are sent an email notification identifying the deficiencies and advising the customer to reapply. Each application submission is considered a new request and all applications (including resubmitted applications) are processed in the order received. Resubmitted applications are not processed with any priority over other newly submitted applications.

### **4. Future Improvements to the Interconnection Process**

Pepco is planning to implement a number of enhancements to its interconnection application process that are expected to further reduce processing times and significantly decrease the number of incomplete applications. The Company is planning to launch an interactive hosting capacity map by the end of the first quarter of 2017. The hosting capacity map will give customers an indication of the amount of generation that can be added before a circuit reaches capacity or other restrictions. The Company also plans to further expand the streamlined technical review process to include projects up to 50kW<sup>AC</sup> by the end of the first quarter 2017.

Planned enhancements to the online application portal include the following:

- Auto-population of customer and contractor information
- Automated sizing validation compared to annual baseline consumption data
- Inverter manufacturer and model dropdown list
- Automated check for circuit restrictions and
- Copy/resubmit function for application revisions

These enhancements to the online application portal are expected to be released during the fourth quarter of 2017. The combination of these technical and procedural improvements are expected to lead to shorter technical review and approval times, reduced incomplete applications, and improved adoption of the online application portal.



#### **IV. Customer Education and Outreach**

Pepco continues to support renewable energy and partners with its customers to ensure safe and reliable interconnection of renewables energy to the electric grid. Pepco's enhanced outreach and education strategy includes webinars, bill inserts and in-person meetings with solar contractors aimed at further improving our customers understanding of and satisfaction with the interconnection process.

On September 15, 2016, Pepco filed its Behind-the-Meter Solar Generation Promotion Communications Plan (the Communications Plan) for the District of Columbia in accordance with Merger Commitment No. 125 of Formal Case No. 1119, Order No. 18160. The plan outlined the enhanced communications Pepco will engage in to proactively promote installation of behind-the-meter solar generation in the District of Columbia. Pursuant to Merger Commitment No. 125, Pepco shared the Communications Plan with other interested parties at a Solar Stakeholder Collaborative, held at Pepco's Edison Place headquarters on August 30, 2016. (See the Communications Plan in Attachment B).

The Company incorporated feedback from that Solar Stakeholder Collaborative session into the Communications Plan, including key messages to deliver to customers and channels to use when communicating with customers. The presentation from the Collaborative session and a set of questions and answers from the session were posted online. Stakeholders who participated in the Collaborative session also received this information via email. (See Attachment C for the Collaborative Session presentation.)

Pepco also hosted a round of webinars for all District of Columbia solar contractors on November 28, 2016 and December 1, 2016. This round of webinars, entitled, "Interconnection Process Updates for Contractors," included the following topics: removal of the \$100 Level 1 interconnection application fee, community net metering training, the introduction of a net energy metering billing frequently asked questions document, updates to the net energy metering online application portal, a new SpeedPay link added to invoices, and the process for submitting interconnection application changes. Attachment C includes the webcast presentations.

The Company also issued a bill insert to all District of Columbia customers in December 2016 titled, "Learn If Solar Is Right for You" (Attachment D). The bill insert focused on helpful resources and tools customers can use to plan for a solar generating system. The message included: how to get support from Pepco's GPC team, tools for estimating energy needs and potential savings, and how to apply for interconnection online.

As part of the Communications Plan, Pepco posted online and updated each quarter a restricted circuit map and a list of acceptable inverters for all customers. In addition, Pepco has posted a cross-border feeder map online for customers in the Pepco District of Columbia service territories. These tools can be found in the left navigation bar on [pepco.com/gpc](http://pepco.com/gpc).

In 2016, Pepco supported the Affordable Solar and Small Business pilot program which had a goal of completing 140 affordable solar projects for customers in the District by September 30, 2016. The GPC team helped facilitate the successful completion of 158 affordable solar projects and 13 small business projects by the program deadline. Additionally, the Company supported the Solar for All initiative signed into law by Mayor Muriel Bowser on July 25, 2016.



The initiative was designed to increase access to the benefits of solar to low-income households with high energy burdens. Pepco participated on the Solar for All taskforce and was an active participant on the associated subcommittees.

Throughout the year, members of Pepco's GPC team along with members of Pepco's Distributed Energy Resources team, Legal team and Regulatory team have conducted four face-to-face meetings with solar contractors to hear feedback on the interconnection process and the enhanced communication plan, share updates to the interconnection application process, and continue to enhance the relationship with these solar contractors. During the fourth quarter of 2016, Pepco conducted targeted outreach to these contractors, reviewing the application process and policies. Pepco continues to seek ways to enhance the interconnection process to improve our customers' experiences. The presentation and educational materials discussed above can also be found in the "Webcast, Education, and Publications" section located in the left navigation bar at [pepco.com/gpc](http://pepco.com/gpc).

## **V. Timeliness of Application Review for Authorization to Operate**

Timeliness of Authorization to Operate (ATO) is defined by the Company as the time from receipt of a complete Part II Request to the time the ATO letter is emailed to the customer. Pepco issued 833 ATO letters to customers in 2016, an increase of 19% over 2015. The Company issued 94.9% of the ATOs within the 20 business day timeframe for Level 1 interconnections that Pepco has proposed in the request for a Notice of proposed Rulemaking filed in Formal Case No. 1119 on July 18, 2016.

## **VI. General Discussion of Interconnections within the District of Columbia and Actual or Proposed Pepco Changes in Policy or Procedures**

The Company continued to make process improvements throughout the year intended to further improve customer satisfaction and increase process efficiencies. During the first quarter of 2016, Pepco released a new online application intake tool which allows contractors to input interconnection application data directly into the system. Features include select data validation, real-time application tracking, online customer signature and enhanced fee payment/invoice process. In an effort to further reduce application processing timer, the Company also developed a streamlined engineering review process for small systems ( $<10\text{kW}^{\text{AC}}$ ) and later expanded the process to include projects up to  $25\text{kW}^{\text{AC}}$ . Projects must have an inverter nameplate capacity of  $2\text{kW}^{\text{AC}}$  or less and meet other technical requirements to qualify.

Pepco also developed an Electronic Data Interchange (EDI) for customers and contractors to access historical electrical usage data through the Company's Green Button capabilities. The Request Customer Usage module provides secure access for contractors to obtain authorization to access and download customer energy usage data. Contractors can now more accurately assess customer system requirements through the use of historical usage information, requested and accessed electronically. Customers can authorize access through My Account or sign a paper release which can be uploaded to the Request Customer Usage portal.



The tool was launched during the second quarter of 2016, and was shared with the solar community through news releases, email communications, webinars and face-to-face meetings. The tool can be accessed at [pepco.com/gpc](http://pepco.com/gpc), then select Request Customer Usage from the left navigation column.

The Company also released its WattPlan online service to help customers estimate the potential electricity generation and savings based on rooftop characteristics, historical usage, current rates, and available rebates and credits. Customers are able to create a personal estimate, view side-by-side comparison of financing options and learn more about the interconnection process. Wattplan can be accessed by visiting [pepco.wattplan.com/pv/](http://pepco.wattplan.com/pv/)

In 2016, Pepco launched an interactive restricted circuit map allowing customers to enter an address to determine if a potential project is located on a restricted circuit. The Company also released an interactive cross-border feeder map to help customers identify potential project locations that may be eligible for Solar Renewable Credits (SRECs) in the District of Columbia. Access the interactive maps by visiting [pepco.com/gpc](http://pepco.com/gpc), and selecting the appropriate map from the left navigation bar.

In August 2016, Pepco was named Utility of the Year and recognized by the Smart Electric Power Alliance (SEPA) for enhancing the interconnection process and developing innovative tools that drive solar growth and expand customer access to solar. Attachment E includes a copy of the press release issued by SEPA on August 30, 2016. Pepco continues to seek ways to enhance the interconnection process and improve our customer experience.



## EXHIBIT A

### 2016 Interconnection Requests and Application Statistics

Potomac Electric Power Company Public Service Commission of the District of Columbia FC1050 – Implementation of Interconnection Standards in the District of Columbia, 15 DCMR § 4008.5						
(1) Total Applications Received Complete and Incomplete	(2) Total Applications Approved to Install	(3) Total Denied Applications	(4) Total Applications Still Pending	(5) Total Incomplete Applications	(6) Total Applications Withdrawn Prior to Approval	Total Resubmissions
1,267	1,051	2	15	227	9	200

Status	Number of Interconnection Applications				
	Level 1	Level 2	Level 3	Level 4	Total
Received & Deemed Complete	883	156	0	1	1,040
Approved to Install <sup>5</sup>	902	148	0	1	1,051
Under Review as of 12/31/16	3	12	0	0	15
Denied	0	2	0	0	2
Review Deadline Missed	1	1	0	0	2
Approval Deadline Missed	52	15	0	0	67
Scoping Meetings	0	6	0	0	6
Impact Studies	0	0	0	0	0
Facility Studies	0	0	0	0	0
Feasibility Studies	0	0	0	0	0
Fees Charged for Studies	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Unauthorized Interconnections	1	0	0	0	1

Status	Nameplate Capacity (kW <sup>AC</sup> )				
	Level 1	Level 2	Level 3	Level 4	Total
Received	3,763.32	26,443.59	0	48.50	30,255.41
Approved	3,859.10	27,546.67	0	48.50	31,454.27
Denied	0	164.91	0	0	164.91

<sup>5</sup> Includes 37 applications received in 2015 and approved in 2016.



## EXHIBIT B

### 2016 Incomplete Interconnection Requests and Application Statistics

**(i) Timeframes for total incomplete applications received for all Levels**

Level	Incomplete Applications and Number of Business Days to Respond per Level						Total
	0 Days (Same Day)	1-3 Days	4-6 Days	7-9 Days	10 Days	Greater than 10 Days	
1	46	117	11	3	0	0	177
2	5	43	2	0	0	0	50
3	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0
<b>Total</b>	<b>51</b>	<b>160</b>	<b>13</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>227</b>

**(ii) Reasons for Incomplete Application Data**

Reasons For Incomplete Application Data <sup>6</sup>	Number of Applications
Missing or Incorrect Application Fee	0
Missing Customer Signature(s)	5
Incorrect Inverter AC Capacity	35
Missing or Incorrect System Information	115
Missing or Incorrect Customer Information	72
Proposed AC Inverter/System is Oversized per History	8
Wrong Application Form Used	8

**(iii) Incomplete Applications Excluding Resubmissions**

Level	Number of Applications
1	20
2	7
3	0
4	0
<b>Total</b>	<b>27</b>

<sup>6</sup> Screening results for interconnection applications are deemed incomplete for more than one (or a combination of) reasons shown. Therefore, these requests do not equal the total number of application deemed incomplete as shown in table (i).



## EXHIBIT C

### Supplemental Interconnection Request and Application Statistics

Applications	Level 1	Level 2	Level 3	Level 4	Total
Total received and deemed complete in 2016	883	156	0	1	1,040
Approved to install in 2016	902	148	0	0	1,051
Under review as of 12/31/2015	<26>	<11>	0	0	<37>
Under Review as of 12/31/2016	3	12	0	0	15
Withdrawn prior to approval	4	5	0	0	9
Denied and not resubmitted	0	2	0	0	2
<b>Total</b>	<b>883</b>	<b>156</b>	<b>0</b>	<b>1</b>	<b>1,040</b>
Applications revised after approval to install	40	26	0	0	66



CONFIDENTIAL MATERIALS REMOVED



An Exelon Company

DC FC 1050 2016 Annual Report  
Attachment B  
Page 1 of 10

Dennis P. Jamouneau  
Assistant General Counsel

September 15, 2016

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

**Re: Formal Case No. 1119**

Dear Ms. Westbrook-Sedgwick:

Pursuant to Order No. 18148, issued by the Public Service Commission of the District of Columbia ("Commission") on March 23, 2016, Potomac Electric Power Company ("Pepco" or "Company") files its Behind-the-Meter Solar Generation Promotion Communications Plan for the District of Columbia in accordance with Commitment No. 125.<sup>1</sup>

The attached plan outlines the enhanced communications Pepco will engage in to proactively promote installation of behind-the-meter solar generation in the District of Columbia. The enhancements include communications through the Pepco web site and bill inserts to provide public service information useful to businesses and individuals that may be interested in installing solar generation, as well as informing customers about the capabilities of the net energy metering program, and advanced metering infrastructure.

Pepco shared this plan with Commission staff representatives and other interested parties in the District of Columbia for their comment on Tuesday, August 30, 2016, at a Solar Stakeholder Collaborative held at Pepco's Washington, DC offices. Many ideas were discussed about current and planned communication tools and tactics, as well as key messages and topics to be communicated including the overall benefits of solar. These ideas will be discussed further with the Solar Advisory Council and implemented based on further discussion.

<sup>1</sup> In the Matter of the Joint Application of Exelon Corporation, Pepco Holdings, Inc., Potomac Electric Power Company, Exelon Energy Delivery Company, LLC, and New Special Purpose Entity LLC for Authorization and Approval of Proposed Merger Transaction, Formal Case No. 1119 (Mar. 23, 2016). The Commission subsequently issued Order No. 18160 (April 4, 2016) correcting certain errors in Order No. 18148 and in Attachment B, however did not modify Commitment No. 125 discussed in this filing.



Ms. Brinda Westbrook-Sedgwick  
Page 2  
September 15, 2016

DC FC 1050 2016 Annual Report  
Attachment B  
Page 2 of 10

Please contact me if you have any further questions or comments regarding the attached communications plan.

Please contact me if you have any further questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'DPJ' followed by a stylized flourish.

Dennis P. Jamouneau

Enclosures

cc: All Parties of Record



## Behind-the-Meter Generation Promotion – Communications Plan for the District of Columbia

**Dated:** August 25, 2016

### Overview

In conjunction with the Exelon/Pepco Merger in the District of Columbia, Pepco committed the following:

- Pepco shall develop an enhanced communication plan to proactively promote installation of behind-the-meter solar generation in its District service territory.
- Included in the plan will be measures to utilize the Pepco web site and bill inserts to provide public service information useful to businesses and individuals that may be interested in installing solar generation as well as informing customers as to the capabilities of Pepco's net energy metering (NEM) program and advanced metering infrastructure (AMI).
- Pepco will share its enhanced communication plan with the Commission and other interested parties for their comment within six (6) months after Merger closing.

This plan outlines some of the enhanced communications Pepco will engage in to proactively promote installation of behind-the-meter solar generation, and inform customers about the capabilities of Pepco's NEM program and AMI, in support of this commitment.

These communications will be in addition to the communications and outreach Pepco has conducted in recent years to educate stakeholders about the renewable generation interconnection and net energy metering application process.

### Communication Objectives and Strategy

Proactively promote the installation of behind-the-meter solar generation and inform customers about Pepco's NEM program and advanced metering infrastructure. The strategy will include:

- Increase Pepco advocacy of solar and renewable energy throughout the service territory
- Ensure seamless availability of information on Company websites, and
- Distribute renewables-related information, NEM program and AMI information through PHI communication channels.

### Timeline

- Merger close plus six (6) months, *i.e.*, September 23, 2016 – deadline to share this plan with the Commission and other interested parties
- Merger close plus seven (7) months, *i.e.*, October 24, 2016 – incorporate comments received
- Merger close plus eight (8) months, *i.e.*, November 23, 2016 – Initiate roll out of the adjusted plan.



## Behind-the-Meter Generation Promotion -- Communications Plan

DC FC 1050 2016 Annual Report  
Attachment B  
Page 4 of 10

### Audiences

- Customers interested in behind-the-meter solar generation
- Contractors who sell and install behind-the-meter solar generation in the District of Columbia
- District of Columbia Public Service Commission and Staff
- District Office of Energy and the Environment (DOEE)
- Office of People's Counsel (OPC)
- Participants in FC1119 – Exelon/PHI Merger
- Participants in FC1130 – Modernizing the Energy Delivery System for Increased Sustainability (MEDSIS)
- Solar industry associations and stakeholder community in the District of Columbia

### Key Content Themes

- Solar topics to communicate, with input from stakeholders:
  - Benefits of solar generation<sup>1</sup>
    - Saves energy costs, primarily through net metering
    - Protects the planet, through decreased greenhouse gas emissions
    - Increases property values, by adding a premium to the sales price of homes with solar generating systems
    - Creates jobs, more than 142,000 American jobs in the U.S. solar industry in 2013
    - Others
  - Things to consider when considering solar
  - Solar industry information
  - Partnering stakeholder grant opportunities
  - How your AMI smart meter works for net energy metering
  - Solar science
  - Eligibility to interconnect
  - Solar generation estimator tool
  - Restricted Circuit Map now available online
  - Cross-Border Circuit Map availability
  - Acceptable Inverters List now available online
  - Self-service now available through Online NEM Application Portal and Request Customer Usage module
  - Interconnection application process advances
  - Compliance with 20-day issuance of Authorization to Operate after receipt of the interconnection application Part II
- Formation of new Pepco Solar Advisory Council
  - Duties and benefits
  - Sign up
- For more information, see [Pepco.com/GPC](http://Pepco.com/GPC)

---

<sup>1</sup> <http://energy.gov/energysaver/articles/what-can-solar-do-you>



### Communication Tactics

- District of Columbia Public Service Commission informational filing of this plan
  - File by September 23, 2016
- Post information on Pepco's Green Power Connection websites
  - Updates ongoing, with topics to include:
    - Benefits of solar generation
    - Merger commitment information
      - Restricted Circuit Map quarterly updates
      - Acceptable Inverter List quarterly updates
    - Details of the DOEE Solar Affordable Solar low-income grant program for 2016 and other grant programs
    - Targeted components of the US DOE Clean Energy Savings for All Initiative announced July 19, 2016
    - "Is Solar Right for You?" information
    - Online solar generation estimator tool
    - Storage information
    - How your AMI smart meter works for net energy metering
    - Cross-Border Circuits Map
- Pepco Bill Inserts
  - Scheduled for December 2016, April 2017, October 2017, and continuing
  - Topics to be determined prior to publication
- Solar Stakeholder Collaborative Meeting
  - Scheduled for August 30, 2016, at Pepco's Edison Place Conference Center
  - Invitees:
    - D.C. Public Service Staff
    - D.C. Office of People's Counsel
    - D.C. Department of Energy and the Environment
    - Participants in FC1119 and FC1130
    - D.C. solar community – DC SUN, SEPA, MDV-SEIA
    - Solar and renewable contractors in D.C.
  - High-level agenda:
    - This enhanced communication plan, with comments invited from attendees
    - Recent and proposed changes to interconnection application process, with comments invited from attendees
- GPC Webinars
  - Scheduled for November 2016, January 2017, March 2017, May 2017, September 2017
  - Two webinars each round:
    - Monday noon-1:00
    - Thursday 3:00-4:00
  - Educate on new NEM programs, interconnection process advances and other topics in the Key Content section above
- Industry Conference Presentations or Sponsorships
  - Present topic of interest to the audience
  - Consider sponsorship



## Behind-the-Meter Generation Promotion -- Communications Plan

DC FC 1050 2016 Annual Report  
Attachment B  
Page 6 of 10

- MDV-SEIA Solar Focus Conference, Nov. 16-17, 2016, Washington, D.C.
  - National Town Meeting on Smart Grid, July 25-27, 2017, Washington, D.C.
  - SEPA Utility Solar Conference, April 24-26, 2017, Tucson, AZ
  - Others as identified
- Community Outreach Events
    - Table at events as identified, to share information on solar and the renewable generator interconnection process
    - Scheduled:
      - Building Energy Summit, March 2017
      - Earth Day Events, April 22, 2017
      - Others as identified
- Face-to-Face Meetings
    - Meet with contractors
      - Gather comments on Pepco's renewable small generation interconnection process
      - Educate on interconnection processes, available grants, and industry opportunities
- Pepco Solar Advisory Council
    - Meet twice a year to review and offer comments on renewable interconnection processes
      - Scheduled: March 2017 and September 2017
    - Seek comments via email on topics to promote, plus review proposed bill inserts before they are published

## CERTIFICATE OF SERVICE

DC FC 1050 2016 Annual Report  
Attachment B  
Page 7 of 10

I hereby certify that a copy of Potomac Electric Power Company's Behind-the-Meter Solar Generation Promotion Communications Plan for the District of Columbia was served this 15<sup>th</sup> day of September 2016 on all parties in Formal Case No. 1119 by electronic mail.

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DC FC 1050 2016 Annual Report  
Attachment B  
Page 8 of 10

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DC FC 1050 2016 Annual Report  
Attachment B  
Page 9 of 10

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DC FC 1050 2016 Annual Report  
Attachment B  
Page 10 of 10

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---

Dennis P. Jamouneau



## Green Power Connection™



An Exelon Company

## Solar Stakeholder Collaborative for the District of Columbia

August 30, 2016



# Welcome

Dave Velazquez

President and CEO, Pepco Holdings



# Welcome

Marc Battle

Vice President for the District of Columbia





# Plan to Proactively Promote Installation of Behind-the-Meter Solar Generation

Inia Burginger

Manager, Green Power Connection Strategic Outreach



## Our Net Energy Metering Communications in Recent Years

- Helping customers, contractors, and stakeholders understand and navigate our interconnection application process
- Educational tools we have added in the past couple of years:
  - Website redesign – [www.pepco.com/gpc](http://www.pepco.com/gpc)
  - Webcasts – 12 held for D.C. since July 2015
  - Educational handouts – application steps, checklists, FAQs, dangers of unauthorized interconnections
  - Face-to-face meetings – with contractors, regulators
  - Community outreach – table at events for customers



## Communications Now in Place

### Online NEM Application Portal and Request Customer Usage Module

- Online NEM Application Portal
  - Enter applications and track progress real-time
- Request Customer Usage module
  - Contractor downloads customer's historical usage, with customer's approval
- Both available through [pepco.com/gpc](http://pepco.com/gpc)

The screenshot displays a web browser window with the URL [app01-test.pepcoholdings.biz](http://app01-test.pepcoholdings.biz). The page features a blue header with navigation links: Outage Center, About Us, Newsroom, and Contact. A green sidebar on the left contains icons for 'GO TO MY CRW DASHBOARD', 'FIND USER ACCOUNT', 'EMAIL HISTORY', and 'SYSTEM LOGS'. The main content area is titled 'NEW INTERCONNECTION REQUESTS' and includes a 'CUSTOMER INFO' section. The form contains the following fields: 'Form Id: 100016', 'INTERCONNECTION CUSTOMER (CUSTOMER GENERATOR) CONTACT INFORMATION', 'LEGAL NAME AND MAILING ADDRESS. IF AN INDIVIDUAL, USE INDIVIDUAL'S NAME', 'Customer Name (Customer of Record): Elizabeth White', 'Street No: 3214', 'Street Name: Gramercy', 'Street Type: Ct', and 'Unit No:'. A 'Please Note' message states: 'Your account session will time out after 30 minutes of inactivity'.

## Communications Now in Place

### Restricted Circuit Maps

- Interactive
- Type in premise address
- **Red** – interconnection not available
- **Orange** – interconnection available for systems up to 50 kW
- **Yellow** – interconnection available for systems up to 250 kW
- Interconnection may be accommodated with system upgrade at developer's or customer's expense

Available at [www.pepco.com/gpc](http://www.pepco.com/gpc)

**green power  
connection™**

### RESTRICTED CIRCUIT MAP

We support renewable energy and partner with our customers to ensure safe and reliable interconnection of renewable energy into the electric grid.

In some regions, we may not have an open circuit at your location, making additional interconnections unavailable. The map below shows general areas where circuits are restricted. [Click here](#) to access a searchable version; type an address into the search box to locate a specific location. If the address in which you are interested falls within a restricted area, [contact GPC](#) for restriction confirmation or for more detail. Projects larger than the listed restriction may be approved following significant system upgrades, which would be at the developer's or customer's expense.



## Acceptable Inverters List



**green power  
connection**

### General Interconnection Information

- Customers who generate their own electricity with renewable energy sources can interconnect with the electric grid and receive bill credits for excess generation
- Green Power Connection™ (GPC) is our process for facilitating small generator interconnections and net energy metering (NEM) requests
- Small generator technologies that qualify for interconnection with our system include solar (photovoltaic or "PV"), wind, biomass, anaerobic digestion, geothermal electric, fuel cells using renewable sources, hydro, and cogeneration and microturbines. Hydro-electric systems qualify for interconnection but not for net metering services
- Title 15 of the D.C. Municipal Regulations defines the interconnection and net metering regulations and application process Pepco follows. Chapter 40 sets out the District of Columbia Small Generator Interconnection Rules and Chapter 9 sets out the Net Energy Metering Rules for the District's net energy metering application process
- Code of Maryland Regulations (COMAR) 20.50.09 for Small Generation Interconnection Standards defines the application process Pepco follows. COMAR 20.50.10 for Net Metering Authority defines the qualifications for net energy metering in Maryland
- All net energy metering and interconnection application forms are available on [pepco.com/gpc](http://pepco.com/gpc)

## Inverter Standards

- The inverter is only one component of each renewable generating project which Pgea evaluates for interconnection requests. Receipt of an Approval to Install notification in the interconnection application process is validation the inverter specifications were reviewed and accepted
- Institute of Electrical and Electronics Engineers (IEEE) Standard 1547 provides the criteria and requirements for interconnecting small generator equipment to the grid. Underwriters Laboratory (UL) Standards 1741 sets the requirements for the inverters and charge controllers used in photovoltaic (PV) systems
- In most cases, inverters that comply with IEEE 1547 and UL 1741 will be acceptable for interconnection
- The equipment on the Acceptable Inverters list on the reverse side has been accepted for use in other small generator interconnection project requests

For more information contact our  
Green Power Connection Team  
[www.pepco.com/gpc](http://www.pepco.com/gpc)  
[gpc-south@pepco.com](mailto:gpc-south@pepco.com)  
(866) 634-6977




An Exelon Company


## Net Energy Metering and Small Generator Interconnections

[illegible]


# All Tools Available on [www.pepco.com/gpc](http://www.pepco.com/gpc)




An Exelon Company



MY HOME




MY BUSINESS




COMMUNITY COMMITMENT

MY HOME


- ▶ PAY BILL
- ▶ REPORT OUTAGE
- MANAGE MY ACCOUNT ONLINE
- ▶ SAVE ENERGY AND MONEY
- ▶ SETUP NEW CUSTOMER ACCOUNT
- ▼ START/STOP/TRANSFER SERVICE
  - ▶ Start, Stop or Transfer Service
  - New or Upgrade Service
  - Tree and Vegetation Management Request
  - Home Energy Consultation Request
  - Emergency Medical Equipment Notification Program
- Net Energy Metering Interconnections
- Frequently Asked Questions
- ▶ VIEW CHOICES AND RATES



EDUCATION AND SAFETY



CONNECT WITH US



MANAGE MY ACCOUNT

## green power connection™

### NET ENERGY METERING AND SMALL GENERATOR INTERCONNECTIONS

We support renewable energy and partner with our customers to ensure safe and reliable interconnection of renewable energy into the electric grid.

Customers who generate their own electricity with renewable energy sources can interconnect with the electric grid and receive bill credits for excess generation. A special net-capable meter at the customer's premise measures the energy a customer uses off the grid and the excess generation the renewable system provides onto the grid, and calculates the difference or "net."

**Green Power Connection™** is our process for facilitating Net Energy Metering (NEM) interconnections. Our dedicated team of consultants and account coordinators manage the customer's experience – from processing applications to resolving issues – for residential and smaller commercial interconnection projects. Recently, new and innovative programs have become available for [community net energy metering](#) and, in Maryland for [aggregated net energy metering](#). More information will be available on this site soon.

**NOT SURE WHERE TO START? OR WANT TO JOIN A [WEBCAST](#) TO LEARN ABOUT THE PROCESS? SELECT YOUR REGION:**

[District of Columbia](#)

[Maryland](#)



## New Merger Commitment Communications – Proactive Promotion of Behind-the-Meter Solar Generation

- In conjunction with the Exelon/Pepco merger in the District of Columbia, Pepco committed to:
  - Develop an enhanced communication plan to **proactively promote installation of behind-the-meter solar generation** in the District
  - Include measures to **use the Pepco web site and bill inserts** to:
    - **Provide public service information** to businesses and individuals interested in installing solar generation
    - **Inform customers about Pepco's net energy metering program and advanced metering infrastructure.**

## New Merger Commitment Communications – Proactive Promotion of Behind-the-Meter Solar Generation

- Pepco will share its enhanced communication plan with the Commission and other interested parties for their comment within six months after Merger closing.



## Communication Objectives

- Proactively promote the installation of behind-the-meter solar generation
- Inform customers of Pepco's NEM program and AMI

## Communication Strategy

- Increase Pepco's advocacy of solar and renewable energy throughout the service territory
- Ensure seamless availability of information on website
- Distribute renewables-related information and NEM program and AMI information through multiple communication channels



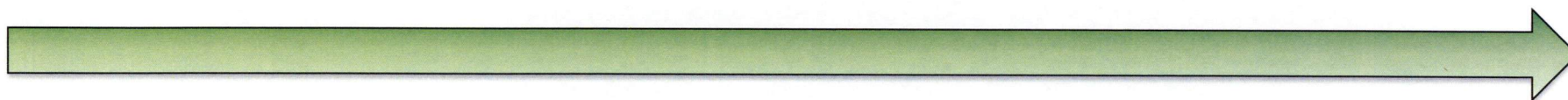
## Target Audiences

- Target audiences
  - Customers interested in solar generation
  - Contractors who sell and install solar generation in the District
  - Solar industry associations and stakeholder community in D.C.



## Timeline

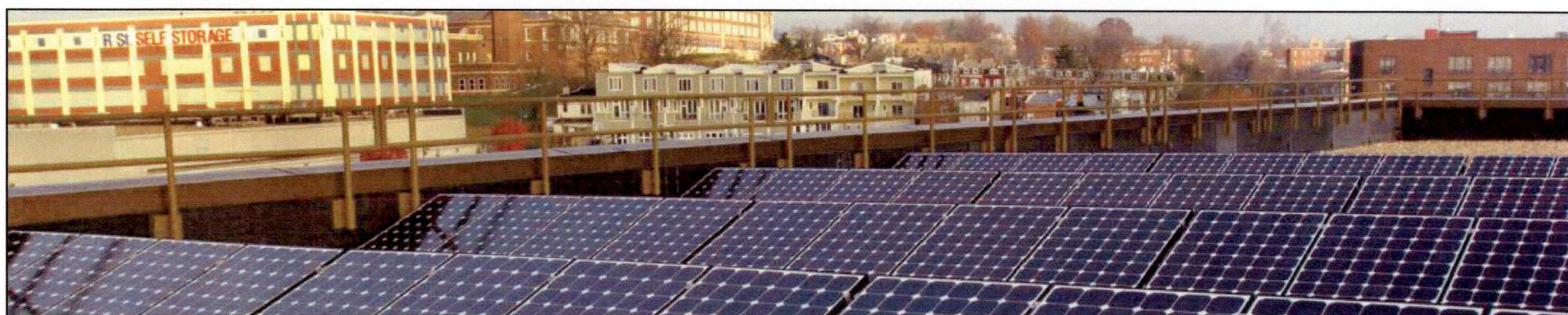
- Timeline
  - Sept. 23, 2016 – deadline to share this plan with the Commission and other interested parties
  - Oct. 24, 2016 – comments received
  - Nov. 23, 2016 – adjust plan with acceptable comments received, and the added communication tactics begin to roll out





## Key Messages

- Solar topics to communicate, with input from stakeholders:
  - Benefits of solar generation  
[<http://energy.gov/energysaver/articles/what-can-solar-do-you>]
    - Saves energy costs
    - Protects the planet
    - Increases property values
    - Creates jobs
    - Others



## Key Messages

- Things to consider when considering solar
- Solar industry information
- Partnering stakeholder grant opportunities
- How AMI smart meter works for net energy metering
- Solar science
- Eligibility to interconnect
- Solar generation estimator tool
- Restricted Circuit Map now available online



## Key Messages

- Cross-Border Circuit Map
- Acceptable Inverters List
- Self-service through Online NEM Application Portal and Request Customer Usage module
- Interconnection application process advances
- Compliance with 20-day Authorization to Operate after we receive the interconnection application Part II

## Promotion Tactics

- Update information on Pepco's Green Power Connection website
  - Ongoing, with topics to include:
    - Benefits of solar generation
    - Merger commitment information
      - Restricted Circuit Map quarterly updates
      - Acceptable Inverter List quarterly updates
    - Details of the DOE Affordable Solar low-income grant program for 2016 and other grant programs

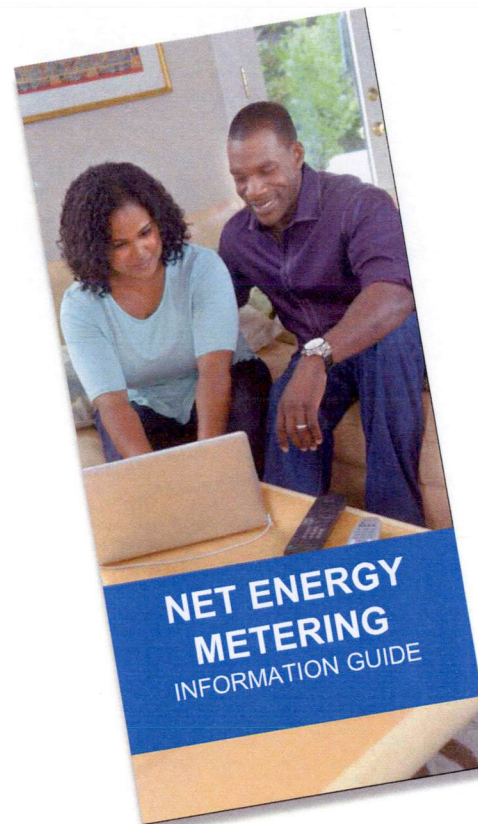


## Promotion Tactics

- Targeted components of the US DOE Clean Energy Savings for All Initiative announced July 19, 2016
- “Is Solar Right for You?” information
- Online solar generation estimator tool
- Storage information
- How your AML smart meter works for net energy metering
- Cross-Border Circuits Map
- Other topics?

## Promotion Tactics

- Pepco Bill Inserts
  - December 2016, April 2017, October 2017, and continuing
  - Topics to be determined prior to publication





## Promotion Tactics

- Industry Conference Presentations or Sponsorships
  - Present topic of interest to the audience
  - Consider sponsorship
    - MDV-SEIA Solar Focus Conference, Nov. 16-17, 2016, Washington, D.C.
    - National Town Meeting on Smart Grid, July 25-27, 2017, Washington, D.C.
    - SEPA Utility Solar Conference, April 24-26, 2017, Tucson, AZ
    - Others

## Promotion Tactics

- GPC Webinars
  - November 2016, January 2017, March 2017, May 2017, September 2017
  - Two webinars each round:
    - Monday noon-1 p.m.
    - Thursday 3-4 p.m.
  - Educate on new NEM programs, interconnection process advances and other topics in the Key Messages section



## Promotion Tactics

- Community Outreach Events
  - Table at events as identified, to share information on solar and the renewable generator interconnection process
  - Scheduled:
    - Building Energy Summit, March 2017
    - Earth Day Events, April 22, 2017
    - Others?



## Promotion Tactics

- Face-to-Face Meetings
  - Meet with contractors
    - Gather comments on Pepco's renewable small generation interconnection process
    - Educate on interconnection processes, available grants, and industry opportunities



## Promotion Tactics

- Pepco Solar Advisory Council
  - Meet twice a year to review and offer comments on renewable interconnection processes
    - March 2017 and September 2017
  - Seek comments via email on topics to promote, plus review proposed bill inserts before they are published
  - To sign up: email [NEMeducation@pepcoholdings.com](mailto:NEMeducation@pepcoholdings.com)

## Open Discussion of Proactive Promotion Plan

### Solar topics to communicate

- Benefits of solar generation  
[from <http://energy.gov/energysaver/articles/what-can-solar-do-you>]
  - Saves energy costs, primarily through net metering
  - Protects the planet, through decreased greenhouse gas emissions
  - Increases property values, by adding a premium to the sales price of homes with solar generating systems
  - Creates jobs, more than 142,000 American jobs in the U.S. solar industry in 2013
  - Others?



## Open Discussion of Proactive Promotion Plan

- Solar industry information
  - What kinds would you like to see?
- Solar grant opportunities
  - Let us know of them
  - Send email to [NEMeducation@pepcoholdings.com](mailto:NEMeducation@pepcoholdings.com)
- Pepco Bill Inserts
  - Topics you'd like us to promote to customers?

## Open Discussion of Proactive Promotion Plan

- Industry Conferences
  - Presentation or sponsorship
    - MDV-SEIA Solar Focus Conference, Nov. 16-17, 2016, Washington, D.C.
    - National Town Meeting on Smart Grid, July 25-27, 2017, Washington, D.C.
    - SEPA Utility Solar Conference, April 24-26, 2017, Tucson, AZ
    - Others?
  - Topics to present?



## Open Discussion of Proactive Promotion Plan

- GPC Webinars
  - Topics coming soon:
    - New DC Community NEM Program
    - \$100 Level 1 Application Fee Removal
    - Enhancements to the Online NEM Application Portal
    - New Q&A feature inside the Online NEM Application Portal
  - What topics would you like to see?

## Recent Changes to the Interconnection Application Process

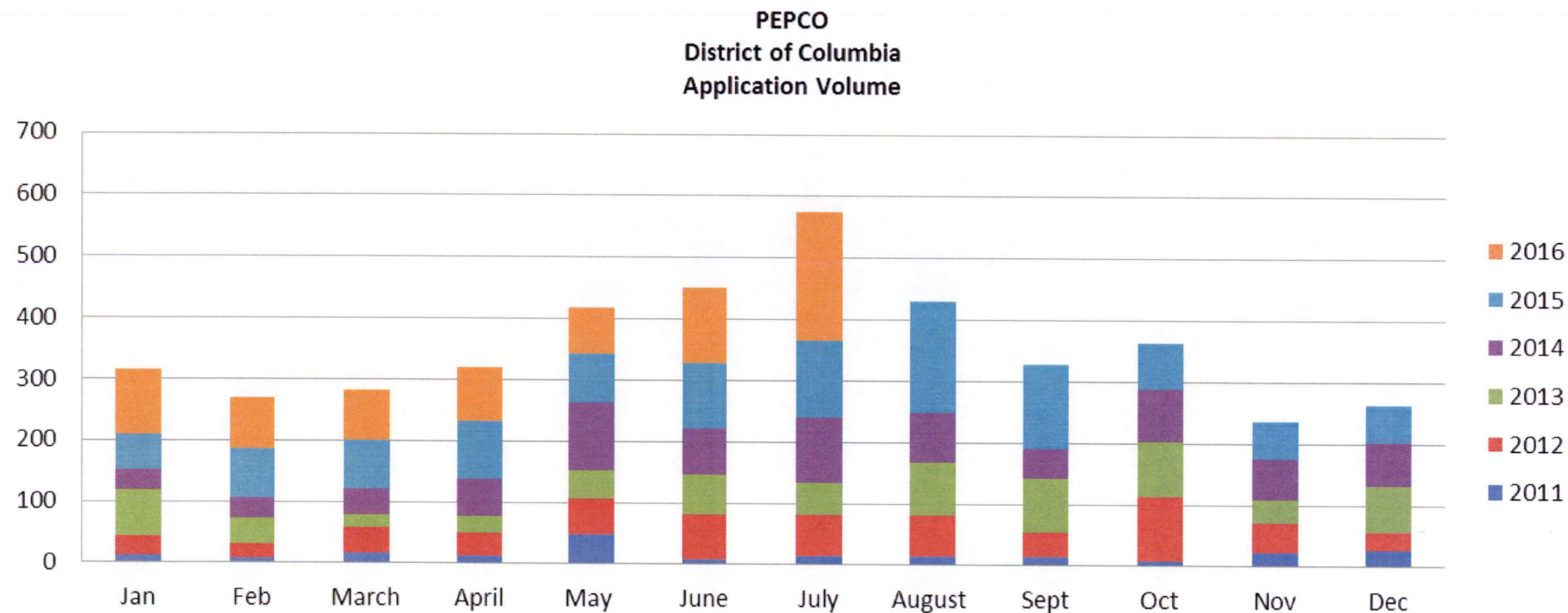
William Ellis

Manager, Green Power Connection Applications

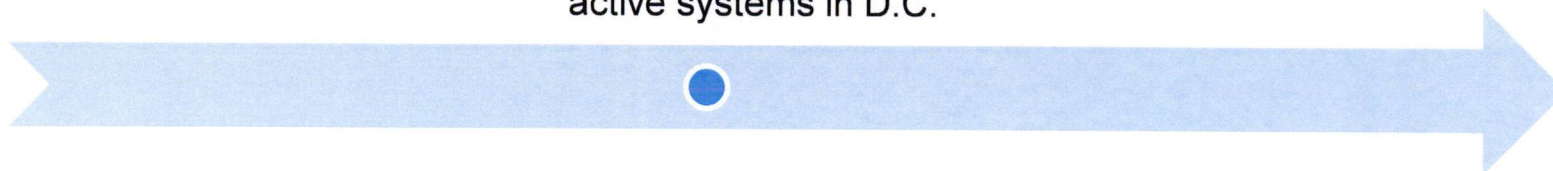




## NEM Application Volume

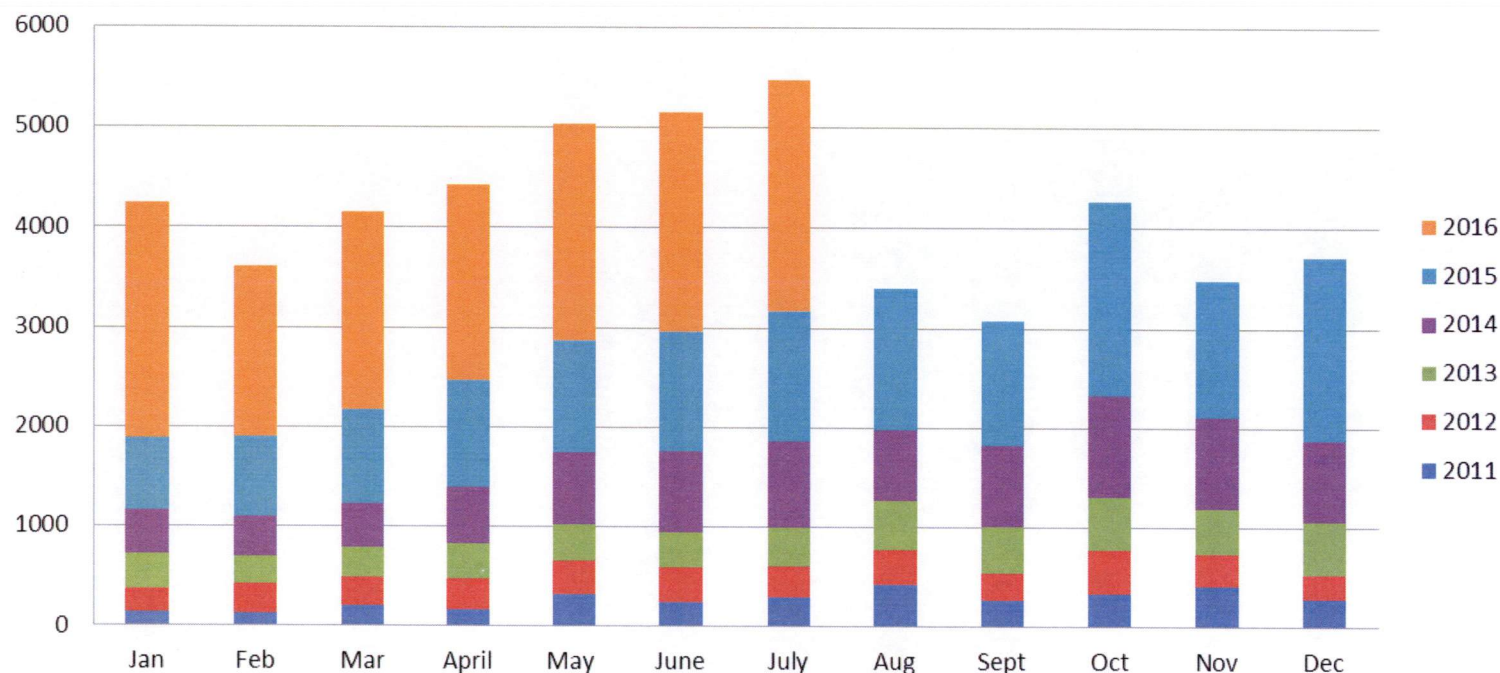


More than 2,600  
active systems in D.C.



# NEM Application Volume

Pepco Holdings Application Volume



2015

100% increase over 2014

More than 30,000  
active systems

PHI-wide

2016

127% increase over 2015

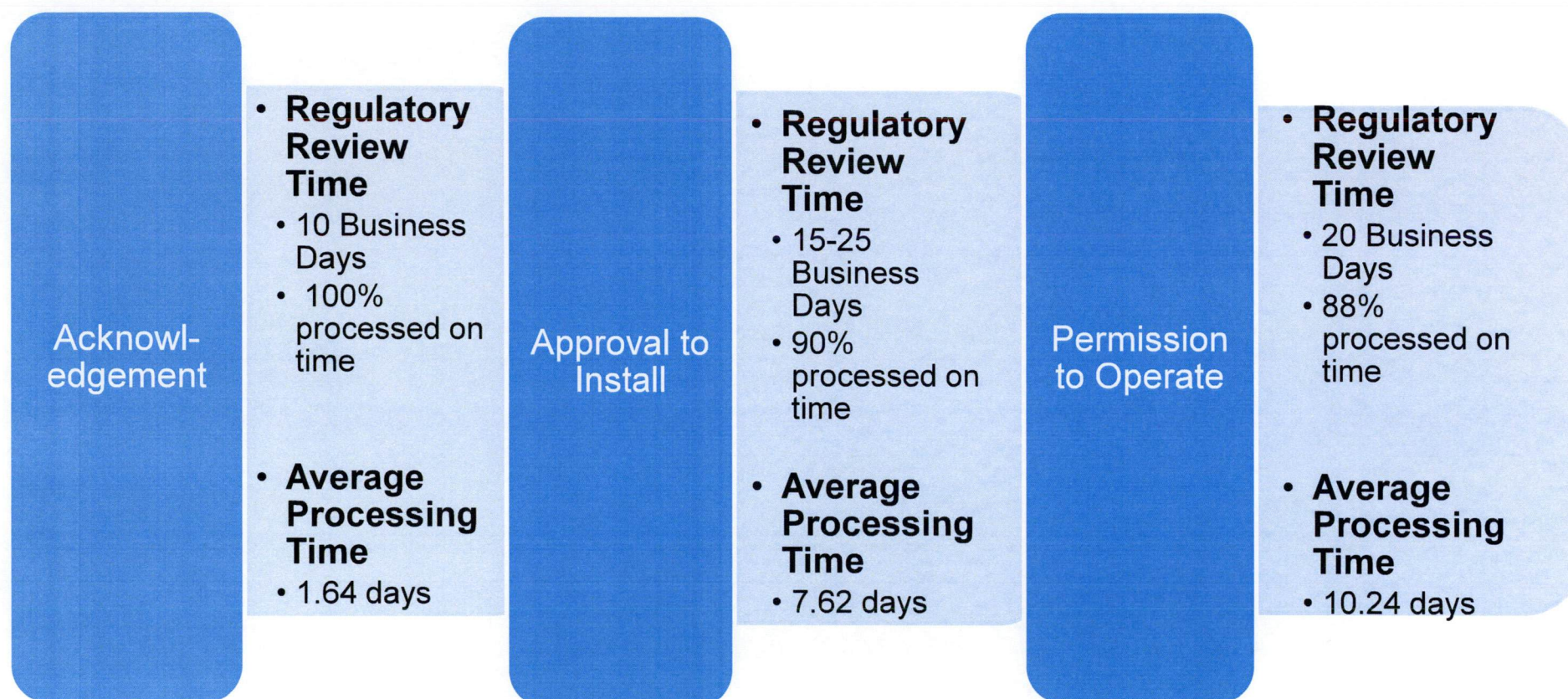
New Solar Programs for  
Customers



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# Interconnection Application Processing Times – D.C. Year-To-Date through July 2016



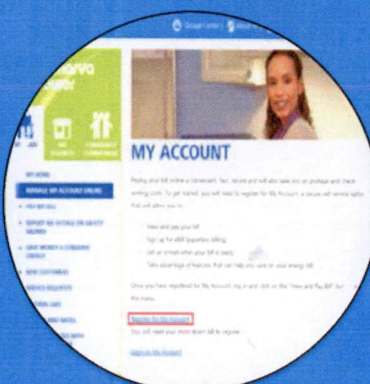


# GPC/NEM Process Improvements



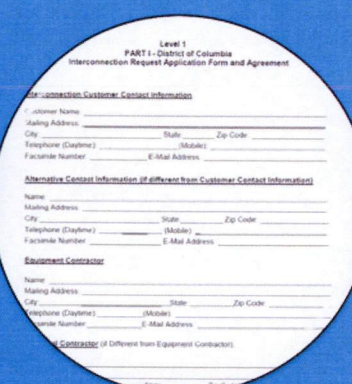
## NEM Online Application Portal

- Contractor Portal Released March 2016
- Main Benefits: Improves the Accuracy and Speed of the NEM Application Process
  - Data validation,
  - Pull-down lists,
  - Online Customer Signature
  - Fee payment – Invoice Process
  - Real-time Application Tracking
- Improves the Customer Experience and Meets Regulatory Requirements



## Request Customer Usage Portal

- Green Button Standard to provide customer usage data
- My Account Functionality
  - Real-time customer data transfer to contractors
- Seamless form Upload capability with 24 hours processing



## Program Enhancements

- Removal of Level 1 Application Fee
- Community NEM available in D.C. since June 1, 2016
- DOEE Affordable Solar low-income grant coordination





## GPC/NEM Process Improvements



Reviewed end-to-end process for interconnections, impacting GPC, Billing, Engineering, Meter Operations



### **Revamped existing GPC team into process groups:**

- Application and Engineering Review
- Meter Exchange Request
- Permission to Operate

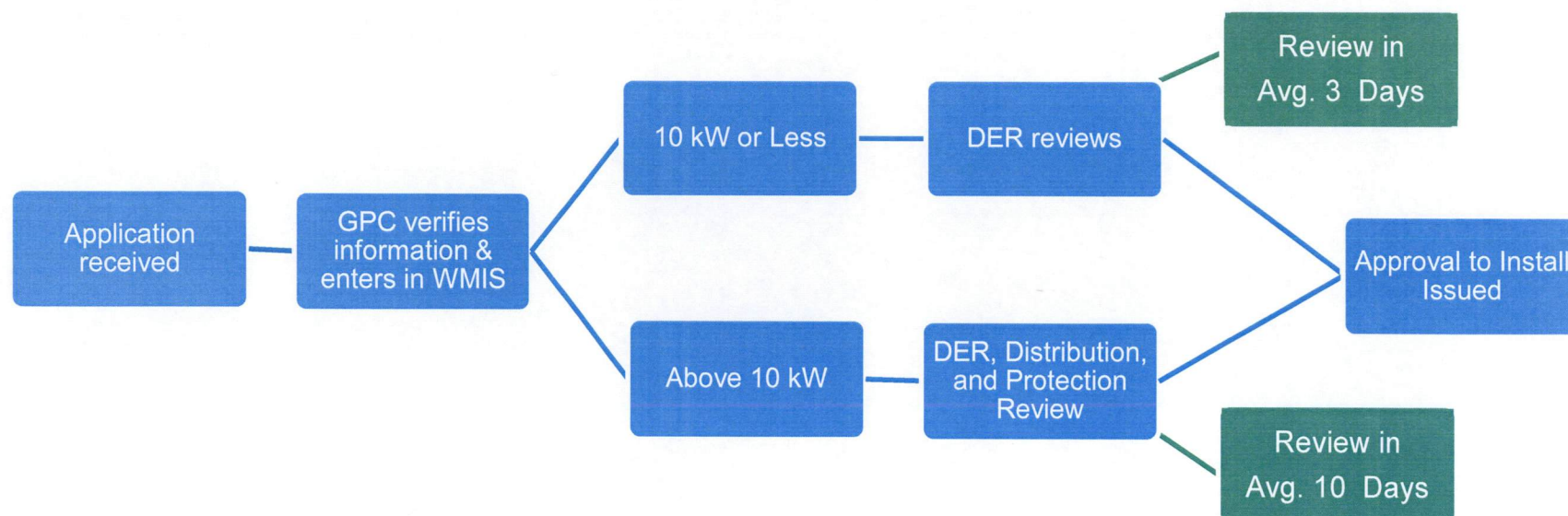


### **Revamped GPC Hotline to streamline customer inquiries. Reps now answer non-billing calls live between 10 and 4 daily. Customers can now call into 5 discrete lines:**

- Application Intake and General Inquiries
- Meter Exchange Request
- Permission to Operate
- Billing & Other Inquiries

## Streamlined Engineering Review of PV Applications

- 98% of applications now follow the streamlined review process
- To qualify, applications must:
  - Be rated 10 kW or less (increasing to 25 kW on Sept. 1, 2016)
  - Not be on a restricted or network circuit
  - Utilize an inverter that is IEEE/UL Certified
  - Not share a distribution transformer with an existing PV system



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## Open Discussion of Changes Stakeholders Would Like to the Interconnection Application Process

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

Questions? Comments?  
Email [NEMeduction@pepcoholdings.com](mailto:NEMeduction@pepcoholdings.com)



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## Learn If Solar Is Right for You.



### Helpful resources and tools as you plan your solar generating system.

- Get support with Green Power Connection™
- Estimate energy needs and potential savings
- Apply online to begin the process of installing your own system at home



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We actively support renewable energy and partner with our customers to explore use of solar panels that benefit the environment while also helping them save on energy costs. If you are thinking about a solar generating system to produce your own power, we have new resources to help.

## green power connection™

Our Green Power Connection™ team is a one-stop resource to help guide you through the process of safely and reliably connecting your system to the grid.

### Visit us online and you'll find:

- Informative publications, checklists and answers to frequently asked questions about the interconnection process
- Tools for estimating your solar needs, calculating savings and sharing usage data with contractors
- An easy-access online portal to streamline the process

If your goal is to save on energy bills, we can explain key issues such as **Net Energy Metering**, which integrates a special net-capable meter with your solar generating system. Excess electricity can then be fed back to our grid for use elsewhere and credited to your account.

### Starting the Interconnection Process

We suggest that you do some research from the many sources available and also consult with an installer or contractor. If you decide to move forward, you must correctly provide all the forms, fees and documentation required for "Part I" approval before you can install a system. This takes time, but is an important part of the process to get you connected to the grid while ensuring that you receive the full energy and savings benefits of your installation.

Your contractor can help submit your request, and our secure online process now makes it easier. The contractor can access your past energy usage data to ensure correct sizing of your system, submit documents and forms electronically, then monitor request status online with 24/7 convenience.

### After the Part I request process is completed:

1. We will send you authorization to install your system
2. Your contractor will install your system and have it inspected by your local electrical inspector, then submit the Part II form
3. We'll put in a net-capable meter and authorize you to operate your system and begin enjoying the benefits of solar power

**Visit our Green Power Connection™ resources online to learn more. We are ready to partner with you as you consider interconnection of a renewable energy system to the grid.**

Find out if solar power is right for you, at [pepco.com/solar-right-for-me-dc](http://pepco.com/solar-right-for-me-dc).



## Committed to a Brighter Future

Our Green Power Connection™ resources can help you explore your solar energy options. A good way to begin is by looking at your home.

### You might consider a solar generating system if:

- Your roof faces south or west with good sun exposure
- Your home is free of shade and obstructions
- You have a large, flat surface on your roof or grounds
- Your area is sunny and free of windblown dirt or debris

We invite you to visit us online to learn more. With thousands of customers now producing their own solar power, we're committed to a brighter future for the communities we serve.

Visit [pepco.com/solar-right-for-me-dc](http://pepco.com/solar-right-for-me-dc) for additional information.

Customer Service:  
202-833-7500

Servicio en Español:  
202-872-4641

TTY for Hearing Impaired:  
202-872-2369

STAY INFORMED. STAY CONNECTED.



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[pepco.com](http://pepco.com)

Please recycle

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## SEPA Names 2016 Solar Power Players Award Winners

August 30, 2016

The Smart Electric Power Alliance (SEPA) has announced the winners of its 2016 Solar Power Player Awards, to be honored Sept. 13 as part of Solar Power International in Las Vegas. Now in their eighth year, the awards recognize electric utilities, their industry partners and individuals for creating programs embodying the innovation and collaboration that drive smart utility solar growth and expand consumer access to distributed energy technologies.

Chosen by a seven-member panel of judges with diverse experience in the utility and solar industries, the winners named in the five award categories are:

- **Investor-Owned Utility of the Year:** Pepco, an Exelon company, for its development of automated tools to increase the amount of solar that can be connected to its distribution system, and to streamline the interconnection process for customers and installers
- **Public Power Utility of the Year:** Village of Minster, for an innovative, privately financed solar-plus-storage project that is providing the Ohio town and its partners with four different revenue streams.
- **Electric Cooperative of the Year:** Green Power EMC, for helping 38 electric cooperatives in Georgia implement a comprehensive solar strategy, upping these utilities' solar capacity under development 7.5 megawatts (MW) to 240 MW.
- **Innovative Partner of the Year:** Clean Energy Collective, for its deployment of a community solar development platform and toolkit that provide utilities with a turnkey option for starting community solar programs.
- **Solar Champion:** Dora Nakafuji of Hawaiian Electric Company, for her leadership in developing data-driven tools for the utility to maintain grid reliability as it integrates ever-higher amounts of solar, moving toward the state's goal of a 100-percent renewable power system by 2045.

"Our 2016 Solar Power Players all have fresh, exciting stories to tell about the potential for innovative projects and programs when utilities and their solar industry partners work together on the solutions needed to bring more solar and other distributed technologies to the grid," said Julia Hamm, SEPA President and CEO. "Our winners provide ample evidence of the changes in institutional culture and operational style taking root across our industry, driving a transformation of our energy system that benefits all stakeholders — consumers, utilities and the solar industry."

Brief profiles of the winners can be found [here](#); photos of Dora Nakafuji and some of the cited projects are available. Nakafuji and representatives of all winners will be available for interviews at the Solar Power Players Awards luncheon, 11:45 a.m.-1 p.m., Sept. 13 at Solar Power International.

**SEPA media contact:** K Kaufmann, [kkaufmann@sepapower.org](mailto:kkaufmann@sepapower.org) or 202.494.4386



**About SEPA:**

The Smart Electric Power Alliance (SEPA) is an educational nonprofit working to facilitate the utility industry's transition to a clean energy future through education, research and collaboration. SEPA offers a range of research initiatives and resources, as well as conferences, educational events and professional networking opportunities. SEPA is co-founder and co-sponsor of Solar Power International and winner of the Keystone Policy Center's 2016 Leadership in Energy Award. For more information, visit [www.sepower.org](http://www.sepower.org).

## CERTIFICATE OF SERVICE

I hereby certify that a copy of 2016 Annual Interconnection Report of Potomac Electric Power Company was served this Friday, March 31, 2017 on all parties in Formal Case No. 1050 and 1119 by electronic mail or first-class mail, postage prepaid.

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