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GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF THE ATTORNEY GENERAL

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Public Advocacy Division
Housing and Environmental Justice Section

ELECTRONIC FILING

September 24, 2025

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

Re: Formal Case No. 1171 – In the Matter of the Investigation into Community Renewable Energy Facility Practices in the District.

Dear Ms. Westbrook-Sedgwick:

On behalf of the District of Columbia Government (DCG), please find the enclosed response from the Department of Energy and Environment (DOEE) to Commissioner Beverley's Inquiry dated July 31, 2025, in the above-captioned proceeding. DCG adopts DOEE's response as its position regarding an acceptable resolution to this proceeding.[1]

To briefly recap, Commissioner Beverley, using his independent authority under D.C. Code § 34-802, sought DOEE's input in developing an "error rate" to be applied to the bills of Community Renewable Energy Facility (CREF) subscribers given that the Potomac Electric Power Company (Pepco) failed to timely provide required billing data. Pepco's failure to provide billing data prevented the auditor from performing one the core purposes of the audit -- to ensure CREF subscribers received all the credits they were due under the CREF program. Commissioner Beverly further inquired whether any error rate DOEE developed could be applied to all CREFs, or just SFA CREFs. Commissioner Beverley's Inquiry sought similar information in relation to unsubscribed energy payments to DOEE and all CREF developers.

DOEE retained a contractor to specifically undertake this task. DOEE's contractor developed several options for an error rate as set forth in the attached response. These options were based on an audit sample of eleven SFA CREFs using data that Pepco only made available to comply with Order No. 22415 (*rel.* May 7, 2025) post-audit. The

[1] DCG has not consulted with Joint Petitioner the Office of People's Counsel (OPC) regarding the recommendations in this response. OPC should be afforded an opportunity to set forth its views on an acceptable resolution to the extent those views differ from DCG's.

methodologies and assumptions used to create these error rates are also described in the attached response (see attachment A to DOEE's Response).

To summarize the conclusions in DOEE's response, DCG recommends that the Commission adopt an error rate of $5.70 per month, per SFA subscriber, for each month that the subscriber participated in the SFA program during the audit period (ATO through August 2023). As described in more detail in DOEE's response, this error rate represents the average amount of under-credits that SFA CREF subscribers in the CREF audit sample (eleven SFA CREFs) received in any month where an under-credit on one or more of the sample CREFs occurred.

For a subscriber enrolled in SFA for the entire audit period, adopting DCG's proposed error rate would result in a lump sum credit of roughly $245 that could be applied towards that subscriber's electricity bill each month until exhausted. DOEE estimates that the total amount of credits flowing to SFA CREF subscribers using this error rate would equate to roughly $1 million. If the methodology behind this error rate were extended to non-SFA CREF subscribers (i.e. the entire CREF market), the resulting total credits would amount to roughly $1.8 million.

In addition, DOEE's response contains several other recommendations to resolve this proceeding, which are likewise adopted by DCG. Notably, DOEE was unable to calculate an error rate for unsubscribed energy payments. More information, as set forth in the response, would be needed to do that – for both SFA CREFs and the CREF market as a whole. Another recommendation is to adjust the credit amounts to account for Pepco's subsequent rate increases. In other words, because the error rate is based on rates that were in effect at the time, any reimbursement through a rate credit should amount to an equivalent bill offset in terms of kwhs, which have increased in the interim as a result Pepco being awarded another MRP. DOEE also requests that it be reimbursed for expenses entailed in developing its error rate proposal. Significant time and resources went into this endeavor. Lastly, DOEE believes the CREF program in general, and SFA in particular, would benefit from periodic audits of the accuracy of Pepco's crediting and billing practices, which were the root cause of the mismatch. It should go without mentioning that none of Pepco's costs to carry out these recommendations should be passed on to ratepayers.

When considering these recommendations, it is important to remember why these errors rates were developed. They were developed as a direct consequence of Pepco's failure to provide required data despite repeated requests and only after being specifically compelled to do so by the Commission. The result of Pepco's intentional failure was an auditing process that took far longer than necessary and ultimately undermined the very purpose of the audit. It therefore cannot be emphasized enough that DCG is recommending this error rate (and other listed items) in lieu of moving the Commission for penalties that would otherwise be warranted.

Moreover, as DCG and OPC alleged in their Joint Petition, any pattern of under-crediting to subscribers results in reputational harm to the CREF program and SFA in particular. DCG believes Pepco should be held responsible for this ongoing conduct. DCG proposes the attached recommendations in full resolution of ongoing law violations that the Commission determined Pepco committed in Order No. 21600 (almost 2 ½ years ago). For these reasons, DCG believes that the foregoing error rate represents the fairest and most appropriate resolution to this protracted proceeding.

If you have any questions regarding this filing, please do not hesitate to contact the undersigned.

Respectfully submitted,

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Attorney General

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Dear Commissioner Beverly:

This filing is in response to your inquiry regarding the additional data the Potomac Electric Power Company (Pepco) filed in e-Bridge pursuant to Order No. 22415. You inquired whether the additional data would allow the Department of Energy and Environment (DOEE) to determine an error rate for Community Net-Metering (CNM) credits and unsubscribed energy payments for both the Solar for All (SFA) program and the Community Renewable Energy Facility (CREF) market as a whole, and if additional data is required.

As noted in the inquiry, Order No. 21600 directed Pepco to conduct a reconciliation of CREF "crediting" so that an audit of Pepco's billings could be performed by an independent auditor. Unfortunately, the audit performed focused only on CREF production and did not address issues related to whether Pepco properly credited CREF subscribers on their electricity bills for that production. Order No. 22415 determined that Pepco had yet to comply with the directives in the reconciliation and directed Pepco to provide additional. The notable addition to e-Bridge following this order was subscriber crediting data, which was intended to be reconciled as part of the original audit. This data is an important part of an error rate calculation, as it allows actual bill credits to be compared with the credits subscribers were owed based on production.

However, this comparison of credits owed to credits billed can only be done for the CREFs included in the audit sample, because of the comprehensive data provided for them. The 1% materiality threshold that determined which CREFs were chosen for the audit sample was based on meter generation variance, not CNM crediting variances. Thirty-eight (38) CREFs met this materiality threshold, eleven (11) of which are SFA CREF aggregations. DOEE analysis focused only on the SFA CREFs in the audit sample, given the ability to cross-reference with internal records. Based on a comparison of crediting data for these 11 CREFs, if the materiality threshold had been for CNM crediting variance, then the audit sample likely would have captured a larger portion of the CREF population. For this reason, the chosen audit sample may not be representative and may not produce the most accurate CNM credit error rate. However, to acknowledge the time and resources dedicated to this reconciliation process and to provide a path forward, DOEE has developed several error rate scenarios using the data currently available for the Commission's consideration.

Below, please find a summary of DOEE's e-Bridge data analysis findings followed by in-depth answers to the inquiry questions. The following sections describe the methodology for arriving at the error rates and DOEE's recommendation for an acceptable end to the reconciliation process.

Summary of Findings:

- There was significant variation of CNM crediting errors among the SFA CREFs in the sample, with six being on-net overpaid, and five being on-net underpaid.

- Each CREF experienced months of over and underpayment, with on-net underpaid CREFs experiencing larger and more frequent months of underpayment.

- When isolating just the five on-net underpaid SFA CREFs, the average error is an underpayment of $1.42 per subscriber per month.

- When isolating just the months of underpayment for the five on-net underpaid SFA CREFs, the average monthly error is $6.00 per subscriber.

- When isolating the months of underpayment for all eleven SFA CREFs in the audit sample, the error rate for this scenario is an average underpayment of $5.70 per subscriber per month.

- Underpayments to subscribers increase towards the end of the audit period across all SFA CREFs.

- During the audit process, Pepco asserted that it is unnecessary to audit credits and bills because its billing functions are reliable once the source of generation is established. Therefore, Pepco produced an audit only of production variances across the Pepco and CREF meters, rather than auditing credits themselves. DOEE's present analysis of the credit data produced by Pepco shows that significant discrepancies exist between production and actual crediting, contrary to Pepco's assertions during the audit process

Responses to Commissioner Beverly's Specific Questions:

1. Does the data now available on e-Bridge allow DOEE to determine an error rate for CNM credits for Solar for All CREFs?

a. If not, what additional data is required?

Comprehensive production and subscriber data is provided in e-Bridge for a sample of CREFs from the date of Authority to Operate (ATO) to August 2023. The audit sample includes 38 CREFs that met the 1% materiality threshold, eleven of which are SFA CREF aggregations. An error rate for CNM credits can be calculated based on the SFA CREFs that were included in the audit sample. However, given the variation of errors between CREFs and over time, an error rate based on the entire population of SFA CREFs would be more accurate. Using the limited available data, however, DOEE has determined several scenarios to calculate an error rate in a $ per CREF subscriber format, ranging from an underpayment of $1.42 to $6.00 per subscriber per month.

2. Does the data now available on e-Bridge allow DOEE to determine an error rate for unsubscribed energy payments for Solar for All CREFs?

a. If not, what additional data is required?

No, DOEE can only confirm whether or not the posted amount was received as a payment for SFA CREFs. An error rate for unsubscribed energy payments for SFA CREFs requires the formula and inputs Pepco uses to calculate the value of the unsubscribed energy, specifically, the hourly PJM LMP and adjustments for ancillary service charges. DOEE does not have this information, and it was informally requested from Pepco by email.

3. Is DOEE able to develop a CNM credit error rate recommendation as either a $ per MW of installed CREF capacity or $ per CREF subscriber for the entire CREF market based on information available from the Solar for All projects?

a. If yes, how long would it take to compile such a recommendation?

The error rate DOEE has developed is based on the eleven SFA CREFs included in the audit sample and may or may not be representative of the CREF market as a whole. Given the data available in e-Bridge, a similar error rate could be developed for the non-SFA CREFs in the sample but due to the volume of data this would take roughly 1-2 more months. That said, the error rate for the SFA CREFs could be used as a proxy error rate for the CREF market as a whole, if there are not known reasons to believe that the errors associated with SFA crediting differ from non-SFA CREFs. Given the frequent discussions that DOEE had with Pepco over SFA CREF implementation and administration issues, it might be reasonable to assume that SFA CREFs contain less crediting errors than non-SFA CREFs

4. *Is DOEE able to develop an unsubscribed energy error rate recommendation as a $ per MW of installed CREF capacity or $ per CREF for the entire CREF market based on the information available from the Solar for All projects?*

a. If yes, how long would it take to compile such a recommendation?

No, DOEE can only identify errors between posted payments and received amounts from Pepco for SFA CREFs. Whether or not other CREF owners have received the correct amount is unknown. Whether the payments are correct or erroneous is indistinguishable without data related to how the payment is calculated. DOEE would need to identify whether the unsubscribed energy is correctly reflected and then calculate the expected payment amount to compare against Pepco's calculation. Due to the lack of alignment between Pepco's customer bills and CREF statements, DOEE would need to determine an acceptable variance between the subscribed and unsubscribed amount for each CREF.

Conclusion

The CNM credit error rate and unsubscribed energy payment are two key remaining issues to resolve the current case, but others exist as well. Of course, one possibility would be for the Commission to order a new audit based on a full set of crediting data that Pepco should have provided to the auditor at the outset. However, DOEE assumes that the purpose of this Inquiry is to find a reasonable method for bringing the audit phase of this proceeding to a timely conclusion. In the interest of moving this process to a conclusion, DOEE proposes that the Commission conclude the audit process with a remedy that includes the following elements:

1. Dollar amount of underpayments: The dollar value of underpayments to CREF subscribers is a crucial element and one of the driving reasons for why the petition was filed in the first place. The total dollar value owed by Pepco for its underpayments would first be calculated by multiplying the error rate by the number of months that each CREF was online during the audit period. This amount would be a lump sum credit applied to affected subscriber's Pepco bills.

a. Error rate for subscriber credit: DOEE has provided three scenarios in Attachment A to calculate the CNM credit error rate for the Commission's consideration, and methods to extrapolate it to the entire CREF market. DOEE recommends the second scenario as the most reasonable and appropriate method for calculating the average underpayment to subscribers. In this scenario, the error rate is calculated by taking the average monthly underpayment per subscriber for all months of underpayment and for all SFA CREFs from the audit sample – regardless of whether a particular CREF were net overpaid or net underpaid. This results in an average underpayment of $5.70 per subscriber per month, which would be multiplied by the number of months the subscriber was to receive CNM credits during the audit period. For a subscriber enrolled for the entire audit period, this would be a lump sum credit of roughly $245.

2. Unsubscribed energy payments: After additional data is shared regarding how to calculate the value of unsubscribed energy payments, an error rate could be developed to determine whether payments are owed. However, this calculation would be difficult given the lack of transparency in past payments, and a request for more transparency in unsubscribed energy payments is expanded upon in the following section.

3. DOEE staff hours: The value of the hours spent by DOEE staff to support the audit and develop an error rate that should have been developed by WatsonRice, should be included in a remedy. DOEE can provide this information along with documentation to the Commission.

4. Inflation (kWh vs $): The value of underpayments owed to subscribers should be credited to customers based in today's kWh, or adjusted for inflation to reflect the true value of underpayments if provided in the form of a dollar value credit.

5. Future audits: Given that we now know that the root of Pepco's chronic underpayments had more to do with Pepco's billing practices, than its practice of reading the wrong production

meter on CREFs, DOEE recommends that the Commission consider conducting periodic audits of Pepco's crediting practices on a going forward basis. This is particularly apropos given, as will be discussed in the "Method" section of Attachment A, and illustrated in the accompanying Figure 3, the sharp downward trend in crediting accuracy observed during the final year of audit period across all CREFs. DOEE recommends that Pepco provide information sufficient to determine the accuracy of CREF billings every two years initially. Depending on the results of this initial audit the Commission could consider conducting them less or more frequently.

6. The Commission may consider any other remedies that would be warranted in light of the added time, expenses, and delays associated with completing this reconciliation process due to the lack of timely and complete information provided by Pepco on CREF crediting and unsubscribed energy payments (as opposed to CREF production).

Further Requests:

DOEE has identified several outstanding items from the original complaint brought before the Commision. If these issues were addressed as described below, it would not only reduce credit and payment errors but also would make accounting more transparent.

1. Direct Pepco to provide DOEE and all CREF owners with the formula and accounting Pepco uses for determining unsubscribed energy payments, specifically what factors into the ancillary service charge adjustment, and specifically:

a. Monthly reporting on the kWh to accompany Pepco's monthly payment for unsubscribed energy each month.

b. Statements showing how the payment is calculated, similarly to how a CREF subscriber can see how their credit is calculated on a Pepco bill.

2. Provide Standard Operating Procedures (SOP) for Pepco's Community Solar Portal (CSP) and CREF billing system to understand if and where issues are arising.

3. For interested subscriber organizations, such as DOEE, update Pepco CSP capabilities to create a single CREF aggregation or fungible pool of production to subscribe residents based on kW instead of percentage. This would provide resiliency against production changes and ensure CREF subscribers are receiving equitable credits.

a. For interested subscriber organizations, having one pool of production would make CREF credits more comparable and transparent, which would allow subscription managers to identify errors much more easily.

b. DOEE acknowledges that this may require a change to the CREF law, as it currently states that a subscription should be based on a percentage of the CREF's capacity.

DOEE appreciates the opportunity to provide a recommendation for a path forward and would be happy to participate in a Technical Conference to discuss further and clarify our findings.

ATTACHMENT A

Attachment A

CNM Error Rate Calculation
The following sections detail the data used, assumptions made, and methodology for calculating the CNM credit error rates.

Data
The audit sample includes 38 CREFs that met the 1% materiality threshold, eleven of which are SFA CREF aggregations. The time period that data has been made available for is the date the CREF received ATO to August 2023.The following e-Bridge files were relevant to the CNM error rate calculation:

1. *Confidential Subscriber Credit Bill Data*: Subscriber credit data were added to e-Bridge after issuance of Order No. 22415. The "Subscriber Credit" column provides every credit in dollars for every CREF subscriber during the audit period (for the CREFs and years of data provided).
2. *Underpayments Remediation Report*: This report is provided for every CREF site in the audit sample and includes monthly aggregated production and subscriber data necessary to calculate an error rate. The relevant columns in this report include "CREF Subscriber Allocation (kWh)" (1.k.), which provide the generation allocated to subscribers in each month from ATO to August 2023. "Retail Rate" (1.h.) provides the rate at which the subscriber allocation is valued for that month, on average. Lastly, "Number of Subscribers" (1.e.) provides an exact subscriber count on the CREF for every month.

Assumptions:
To calculate an error rate that accurately captures subscriber underpayment, the following assumptions and decisions were made:
1. The reconciliation of CNM credits will not involve a claw back of overpayment from CREF subscribers.
2. The meter installed by the CREF developer should be used to calculate the error rate given that this is the meter that monthly subscriber allocation should be determined by under the law and PSC's decision in Order No. 21600.
3. The error rate for this analysis will only be based on the eleven SFA CREF's included in the audit sample where an Underpayments Remediation Report is available.

Method:
The value of CNM credits allocated to each subscriber is calculated by multiplying the quantity of kilowatt hours allocated to each subscriber by the subscriber's CREF credit rate.[1] For the purposes of developing an error rate, this calculation can be aggregated by month for each CREF, using the columns in the Underpayments Remediation Report and Subscriber Credit Bill data described above.

First, the Underpayment Remediation Reports are appended to create one table, with every row representing each month from ATO to August 2023 for every SFA CREF in the audit

[1] D.C. Code § 34-1518(b)(5)(I). See also D.C. Code § 34-1518(b)(5)(J) ("Each billing month, the value of the credits allocated to each subscriber shall be calculated by multiplying the quantity of kilowatt hours allocated to each subscriber by the subscriber's CREF credit rate.").

sample.[2] Then, several new columns are added to this table for the error rate calculation, using the formulas below. The "Credit Owed" column contains the total amount of credits owed to subscribers on a CREF for each month and is calculated by multiplying the "CREF Subscriber Allocation (kWh)" by the "Retail Rate" column. The "Bill Credit" column represents the total credit subscribers received on their bills for that month and is calculated by summing the "Subscriber Credit" by month and CREF. These two columns are subtracted to create a "Monthly Error" column, with negative values representing underpayment and positive values representing overpayment. Lastly, the "Monthly Error" column is divided by the "Number of Subscribers" column to create "Error per Subscriber Month." The final table has 336 rows, each containing the total monthly error and average monthly error per subscriber for every CREF from ATO to Augst 2023.

*Credit Owed= CREF Subscriber Allocation (kWh) * Monthly Average Retail Rate*
Monthly Error= Bill Credit – Credit Owed
Error per Subscriber Month= Monthly Error / Number of Subscribers

There are several considerations for determining the method of calculating the error rate. The first is determining what constitutes an error, and over what period of time. As the assumption states above, an error in this context is an underpayment to a CREF subscriber. There are two main timeframes that can be analyzed for the error, monthly and the entire audit period. Every CREF in the sample was either on-net overpaid or underpaid over the audit period, and there was significant variance among the sample (Figure 1). When broken down further, all CREFs experienced months of overpayment and underpayment, with the on-net underpaid CREFs experiencing more frequent and larger months of underpayment than the on-net overpaid CREFs. Additionally, the errors varied over time with increasing underpayments towards the end of the audit period. Figures 2 and 3 indicate the variation of error over time and the trend of underpayments in the final year of the audit period. This variation of error between CREFs and over time emphasizes the need for more comprehensive data for the CREF population beyond the chosen sample. With this in mind, DOEE identified several paths for an error rate calculation that aim to quantify underpayments of CREF subscribers. Each of the three scenarios below present an option for an error rate in a dollar per CREF subscriber format. The following section describes how these would be extrapolated beyond the audit period and to include subscribers of CREFs that weren't included in the audit sample.

[2] See Attachment A1.

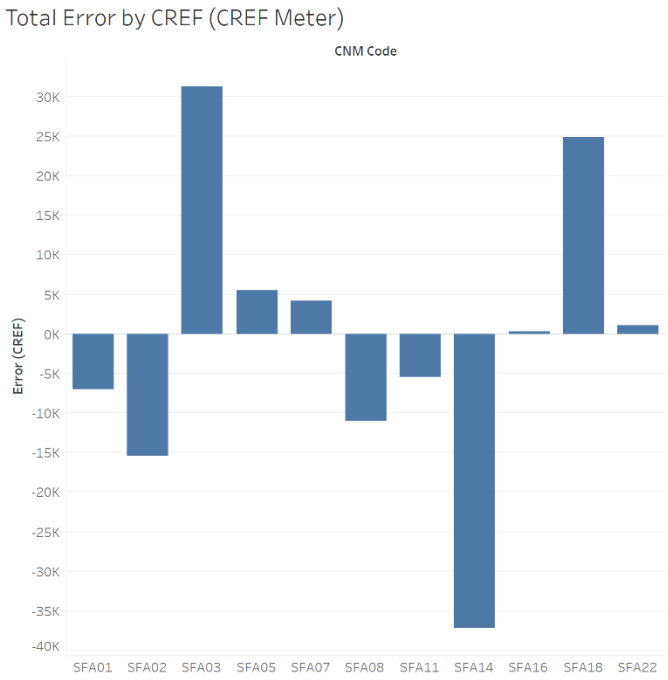

Fig. 1. On-net overpaid and underpaid CREF's. The negative bars represent CREF's that were underpaid, while the positive bars were overpaid over the entire audit period. Note the diversity in underpayments and overpayments across different CREFs. Also note that whether a CREF as a whole was underpaid or overpaid does not necessarily equate to whether an individual CREF subscriber was overpaid or underpaid, due to variations over time in the population of residents who subscribe to each CREF.

Error by Audit Year

	Billing Period			
CNM Code	2020	2021	2022	2023
SFA01	42,297	-30,762	-3,142	-15,369
SFA02	1,883	-6,042	-5,266	-6,011
SFA03	8,770	8,419	16,872	-2,761
SFA05	9,951	3,720	625	-8,799
SFA07		6,009	3,191	-5,016
SFA08		-4,693	1,451	-7,710
SFA11	3,699	-983	-559	-7,577
SFA14		-504	-9,919	-26,802
SFA16			8,014	-7,718
SFA18		1,920	17,435	5,490
SFA22			294	793
Grand To..	66,600	-22,915	28,997	-81,480

Fig. 2: Error per CREF per audit year.

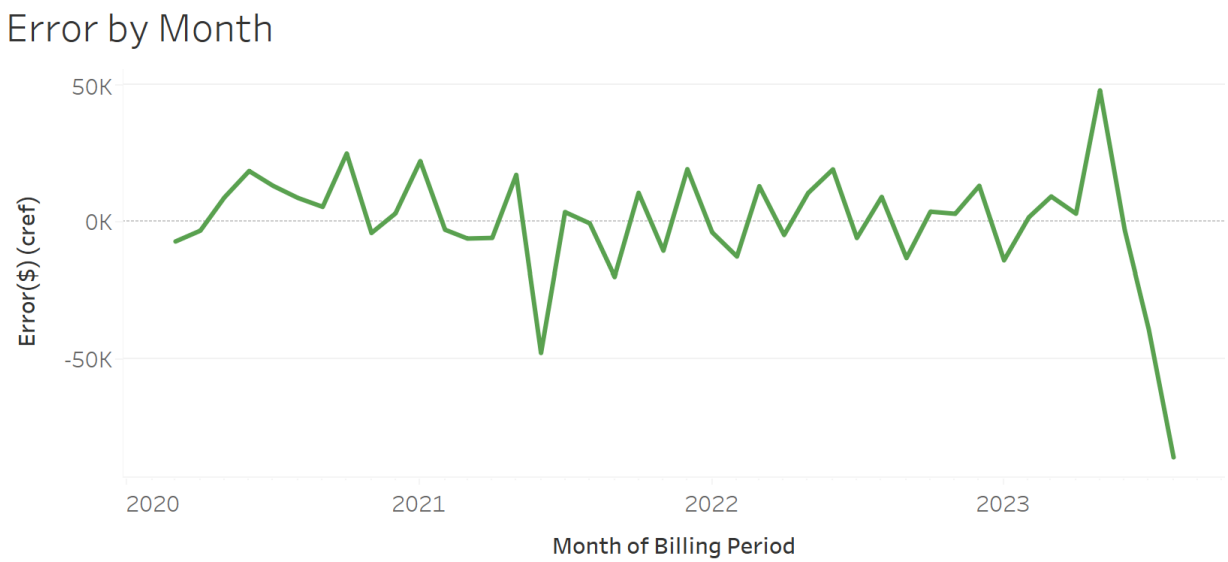

Fig. 3. Total monthly error.

Error Rate Scenarios:

Scenario #1: "On-Net Underpaid"
As described above, some CREF's were on-net underpaid while others were on-net overpaid over the audit period. It is reasonable to assume that subscribers to the on-net underpaid CREFs were, on average, in a comparatively worse off position to those subscribed to the on-net overpaid CREFs. In this scenario, a dollar per subscriber error rate can be calculated only for the CREFs that on-net were underpaid. In this scenario, the "Error per Subscriber Month" was averaged for only these CREFs and the resulting error rate is an underpayment by an average of $1.42 per month per subscriber. For a subscriber enrolled for the entire audit period, this would be a lump sum credit of roughly $61.

Scenario #2: "Underpaid Months" **[Recommended Approach]**

All CREFs in the sample experienced months of underpayment and overpayment. Given the above assumption that overpayments will not be clawed back from subscribers, this error rate scenario isolates the months of underpayment. This scenario may be reasonable to use in light of the changing populations of CREF subscribers, which can vary month to month, making it difficult to assume that under-payments for one month would be rectified by over-payments from another month. Moreover, any month of underpayment harms a subscriber and the goals of the SFA program because subscribers expect a certain credit amount for the time of year, and an underpayment can fail to meaningfully benefit the subscriber. When isolating the months of underpayment, the error rate for this scenario is an average underpayment of $5.70 per subscriber per month. For a subscriber enrolled for the entire audit period, this would be a lump sum credit of roughly $245.

Scenario #3: “Underpaid months On-Net"

The last scenario for an error rate calculation isolates the months of underpayment, only for the CREFs that were on-net underpaid. Following the logic of the first option, this scenario aims to capture the underpayment for subscribers that were on-net underpaid, without netting out the error rate with months of overpayment. This error rate was calculated to be an average underpayment of $6 per month per subscriber. For a subscriber enrolled for the entire audit period, this would be a lump sum credit of roughly $258.

Extrapolation:

While the error rates above are only based on the audit sample of SFA CREFs, a full remediation should take more factors into account to capture the full scope of harm caused by mishandling of CREF crediting. Other factors include the subscribers enrolled on the other CREFs that were active during the audit period but excluded from the sample, the time beyond the audit period in which errors were likely still occurring, and non-CREF Standard Offer Service (SOS) customers that may have been burdened by CREF overpayments.

Non-sample Subscribers: As described in earlier sections, only eleven SFA CREFs met the materiality threshold based on production variance and were included in the sample size. Had the materiality threshold been for CNM crediting differences, the audit sample likely would’ve captured more of the CREF population. Additionally, analysis of the monthly errors over time revealed an increase of underpayments towards the end of the audit period. It is unclear what, if any, steps were taken to reduce errors during and after this period. For these reasons, it can be reasonably assumed that there were the same, if not more errors on the CREFs excluded from the audit sample. There are twelve other active SFA CREFs during the audit period that were not included in the sample, whose subscribers would need to be factored into a total error estimate.

DOEE developed estimates of the total dollar value of credits owed to subscribers for all SFA CREFs that were active during the audit period. For each scenario, the error rate was multiplied by DOEE’s record of the average number of subscribers for each CREF excluded from the sample and then multiplied by the number of months it was active during the audit period. These totals were added to the totals for the CREF sample and range from $194,000-$1,200,000 depending on the error rate used. This exact figure would require a decision about which subscribers are deemed to be affected by underpayment (those subscribed to an on-net underpaid CREF or any subscriber that experienced a month of underpayment), the relevant time frame, and additional data such as the monthly number of subscribers for each CREF.

Post-Audit Period: Order 21600 directed Pepco to provide a dataset for the audit from “ATO to date.”[3] The Underpayments Remediation Reports provide subscriber and production data from ATO to August 2023, which is when Pepco began the process of removing their meters from CREFs. However, there is no indication in the data that CNM crediting errors were caused by the meter variance. This makes August 2023 an arbitrary end date as there is no evidence that the crediting errors stopped after the meters were removed. The error rate should be further

[3] Order No. 21600, ¶40.

extrapolated to remediate underpayments in the time after the audit and adjusted for inflation to capture the value of underpayments.

Non-CREF SOS Customers: An additional consideration relevant to Formal Case No. 1017, is to consider what, if any, relief may be appropriate for SOS customers that are not subscribed to a CREF but may have shouldered the burden of overpaying for CREF generated energy.

ATTACHMENT A1

CNM Code	CO Meter (	riance (kv	Billing Period	Year	Month	catenate	Retail Rate	Aggregat	Number of Subscriber	ated to Su	criber Allo	ate Gener	riber Alloc	LMP Rate	nsubscrib	Unsubscr	nsubscribe	Unsubscril	ibed Varia	Unsubscribed Variance ($)	Credit Owed (CREF Meter)	Bill Credit	Avg Credit/Subscriber	Monthly Error (CREF)	Error per Subscriber per Month (CREF)
SFA01		-262	2020-03-24 00:00:00	2020	March	2020Marc	0.119105	44	985	0.98446	28565	51219	50423.06	0.018123	450.9072	8.171835	795.9433	14.42496	-345.036	-6.253122368	6005.648258	1145.26	1.162700508	-4860.388258	-4.93440432
SFA01		0	2020-04-23 00:00:00	2020	April	2020April	0.116788	44	991	0.98112	92589	120549	118273	0.017657	1781.719	31.46018	2275.965	40.18719	-494.246	-8.727002905	13812.82389	10907.89	11.00695257	-2904.933888	-2.93131573
SFA01		0	2020-05-22 00:00:00	2020	May	2020May	0.119923	44	995	0.9851	376	153070	150789.3	0.018163	5.687138	0.103296	2280.743	41.42546	-2275.06	-41.32216495	18083.02467	22168.2	22.27959799	4085.175327	4.105703847
SFA01		0	2020-06-23 00:00:00	2020	June	2020June	0.125849	45	649	0.64255	215480	312649	200892.6	0.019995	119871.3	2396.864	111756.4	2234.603	8114.949	162.2608655	25282.17488	41664.56	64.19808937	16382.38512	25.24250404
SFA01		0	2020-07-24 00:00:00	2020	July	2020July	0.124394	46	666	0.65937	249096	401279	264591.3	0.025754	128682.8	3314.137	136687.7	3520.298	-8004.88	-206.1601459	32913.52151	40742.45	61.17484985	7828.928488	11.75514788
SFA01	7680	68	2020-08-25 00:00:00	2020	August	2020Augu	0.125527	47	541	0.53561	175831	360393	193030.1	0.026386	152450.8	4022.533	167362.9	4416.001	-14912.1	-393.4682629	24230.43079	35333.43	65.31133087	11102.99921	20.5231039
SFA01	14960	-202	2020-09-24 00:00:00	2020	Septembe	2020Septe	0.12596	47	952	0.94252	310368	341945	322290	0.020329	18927.93	384.7842	19655	399.5647	-727.069	-14.78051164	40595.71303	40293.06	42.32464286	-302.6530343	-0.31791285
SFA01	11920	-199	2020-10-23 00:00:00	2020	October	2020Octo	0.125749	47	578	0.57225	145084	273868	156721	0.024715	108448.5	2680.335	117147	2895.32	-8698.49	-214.9855124	19707.47146	34816.42	60.23602076	15108.94854	26.14004937
SFA01	7680	-118	2020-11-21 00:00:00	2020	Novembe	2020Nove	0.121693	47	972	0.94012	157528	180359	169559.1	0.022356	10033.59	224.312	10799.9	241.4437	-766.309	-17.13168761	20634.23902	17488.04	17.9918107	-3146.199015	-3.23683026
SFA01	5760	-83	2020-12-23 00:00:00	2020	December	2020Dece	0.12169	47	999	0.96579	144828	161648	156118	0.028044	5130.065	143.8698	5529.978	155.0851	-399.913	-11.21532666	18998.07859	18000.64	18.01865866	-997.4385853	-0.99843702
SFA01	6160	-138	2021-01-26 00:00:00	2021	January	2021Janu	0.121501	47	989	0.95589	280136	175766	168013	0.026739	12927.01	345.6514	7753.038	207.3061	5173.971	138.3452399	20413.79159	34354.11	34.73620829	13940.31841	14.09536745
SFA01	5120	-116	2021-02-22 00:00:00	2021	February	2021Febr	0.120705	47	982	0.94914	126528	139296	132211.4	0.036771	6780.047	249.3117	7084.595	260.5103	-304.547	-11.19862175	15958.61603	15337.19	15.61831976	-621.4260349	-0.63281674
SFA01	14400	-184	2021-03-23 00:00:00	2021	March	2021Marc	0.120677	47	973	0.94062	319967	343125	322750.2	0.028604	20199.06	577.7824	20374.76	582.8083	-175.702	-5.025848733	38948.65628	37795.67	38.84447071	-1152.986283	-1.18498076
SFA01	16240	-260	2021-04-23 00:00:00	2021	April	2021April	0.120677	47	1000	0.96664	378150	385586	372722.9	0.028243	13050.45	368.5787	12863.15	363.289	187.2979	5.289783673	44979.22086	44746.85	44.74685	-232.3708569	-0.23237086
SFA01	19600	-406	2021-05-24 00:00:00	2021	May	2021May	0.118238	47	994	0.96066	445489	467397	449009.6	0.03038	18243.23	554.2247	18387.4	558.6046	-144.172	-4.379916245	53090.17244	57794.22	58.14307847	4704.047563	4.732442216
SFA01	18480	-377	2021-06-23 00:00:00	2021	June	2021June	0.129823	47	988	0.95523	451371	436086	416562.4	0.034017	21154.99	719.638	19523.57	664.1414	1631.418	55.49663285	54079.58844	5067.62	5.12917004	-49011.96844	-49.6072555
SFA01	22560	-550	2021-07-26 00:00:00	2021	July	2021July	0.129823	47	979	0.94617	500914	529284	500792.6	0.038181	28498.26	1088.092	28491.36	1087.828	6.904347	0.263614827	65014.64859	68541.37	70.01161389	3526.721413	3.602371208
SFA01	16480	-345	2021-08-24 00:00:00	2021	August	2021Augu	0.136961	47	974	0.94102	366242	388585	365666.3	0.047587	22954.83	1092.352	22918.74	1090.634	36.08567	1.717209129	50081.86626	50512.92	51.86131417	431.0537393	0.442560307
SFA01	15600	-356	2021-09-24 00:00:00	2021	Septembe	2021Septe	0.13778	47	982	0.94979	344555	362948	344724.4	0.050001	18214.66	910.7544	18223.62	911.2021	-8.95421	-0.447720722	47496.12176	41503.35	42.26410387	-5992.771756	-6.1026189
SFA01	12000	-182	2021-10-25 00:00:00	2021	October	2021Octo	0.137728	47	979	0.94659	257003	269790	255380.5	0.06502	14501.03	942.8548	14409.48	936.9025	91.54636	5.95233015	35173.02218	38848.8	39.68212462	3675.777817	3.75462494
SFA01	8720	-157	2021-11-22 00:00:00	2021	Novembe	2021Nove	0.12856	47	976	0.94355	180332	194465	183487.5	0.073543	10788.77	793.4345	10977.55	807.3181	-188.782	-13.88352359	23589.16502	20322	20.82172131	-3267.165017	-3.34750514
SFA01	7200	-144	2021-12-22 00:00:00	2021	December	2021Dece	0.128986	47	973	0.94151	146688	158399	149134.2	0.042335	9112.788	385.7894	9264.758	392.223	-151.969	-6.433616491	19236.28906	22475.43	23.09910586	3239.140944	3.329024609
SFA01	6080	-118	2022-01-26 00:00:00	2022	January	2022Janu	0.133085	47	967	0.93542	111863	123189	115233.5	0.082231	7722.854	635.0564	7955.546	654.1908	-232.691	-19.13437467	15335.89037	13122.17	13.56997932	-2213.72037	-2.28926615
SFA01	9600	-69	2022-02-23 00:00:00	2022	February	2022Febr	0.134028	47	962	0.93032	196083	214736	199773.2	0.044644	14686.41	655.6644	14962.8	668.0037	-276.392	-12.3393145	26775.22183	23503.7	24.43212058	-3271.521826	-3.40075034
SFA01	11920	-266	2022-03-23 00:00:00	2022	March	2022Marc	0.125924	47	971	0.93805	265711	286685	268924.9	0.045844	17547.89	804.4674	17760.14	814.1977	-212.248	-9.730305018	33864.1215	35379.46	36.43610711	1515.338502	1.560595779
SFA01	16880	-310	2022-04-25 00:00:00	2022	April	2022April	0.121644	47	967	0.93431	373724	406984	380249.2	0.067384	26276	1770.587	26734.78	1801.501	-458.779	-30.9144454	46254.99822	44642.41	46.16588418	-1612.588219	-1.66761967
SFA01	15280	-354	2022-05-24 00:00:00	2022	May	2022May	0.119584	47	965	0.94779	349352	373071	353593	0.081702	19244.42	1572.306	19478.04	1591.393	-233.618	-19.08702939	42283.8841	43452.95	45.02896373	1169.065898	1.211467252
SFA01	18560	-375	2022-06-23 00:00:00	2022	June	2022June	0.141656	47	956	0.91791	407690	451696	414616.3	0.097057	36460.3	3538.714	37079.72	3598.833	-619.427	-60.11947172	58733.00749	63928.41	66.87072176	5195.402513	5.434521457
SFA01	20240	-398	2022-07-25 00:00:00	2022	July	2022July	0.142012	47	946	0.9062	433472	485338	439813.3	0.095642	44868.32	4291.315	45524.7	4354.092	-656.382	-62.77797379	62458.67777	58838.53	62.19717759	-3620.147772	-3.82679469
SFA01	16640	-355	2022-08-23 00:00:00	2022	August	2022Augu	0.135745	47	934	0.89482	343047	389248	348306.9	0.117366	40322.84	4732.541	40941.1	4805.105	-618.265	-72.56344406	47280.91951	49585.5	53.08940043	2304.580489	2.467430931
SFA01	17280	-306	2022-09-26 00:00:00	2022	Septembe	2022Septe	0.144566	47	929	0.89793	352088	398465	357793.7	0.082618	40022.74	3306.61	40671.32	3360.195	-648.579	-53.58447866	51724.83655	45773.64	49.27194833	-5951.196554	-6.40602428
SFA01	10240	-265	2022-10-25 00:00:00	2022	October	2022Octo	0.148357	47	920	0.8907	206028	235617	209864.1	0.061665	25282.21	1559.032	25752.94	1588.06	-470.733	-29.02781697	31134.8551	31777	34.54021739	642.1449027	0.69798359
SFA01	8880	-100	2022-11-22 00:00:00	2022	Novembe	2022Nove	0.140534	47	915	0.88424	164732	195035	172457.7	0.052789	21565.84	1138.431	22577.25	1191.822	-1011.41	-53.39115461	24236.22033	23822.41	26.03542077	-413.8103281	-0.45225172
SFA01	5840	-107	2022-12-22 00:00:00	2022	December	2022Dece	0.140226	47	948	0.91456	120145	132684	121347.5	0.137065	11224.18	1538.442	11336.52	1553.84	-112.338	-15.39760159	17016.10193	20130.78	21.235	3114.678067	3.285525387
SFA01	6800	-226	2023-01-25 00:00:00	2023	January	2023Janu	0.147203	47	935	0.90262	137175	158496	143061.7	0.0382	14799.25	565.3282	15434.34	589.5884	-635.088	-24.26021357	21059.0697	16529.59	17.67870588	-4529.479701	-4.84436332
SFA01	7840	-92	2023-02-22 00:00:00	2023	February	2023Febr	0.136851	47	926	0.89518	164945	186869	167281.4	0.024793	19314.03	478.8554	19587.61	485.6382	-273.577	-6.782828441	22892.55042	22804.91	24.62733261	-87.64042059	-0.09464408
SFA01	12000	-324	2023-03-23 00:00:00	2023	March	2023Marc	0.141357	47	967	0.93616	274432	293208	274489.6	0.029392	18714.47	550.0612	18718.4	550.1766	-3.92803	-0.115453837	38801.10892	41323.31	42.73351603	2522.201085	2.608274131
SFA01	17040	-270	2023-04-24 00:00:00	2023	April	2023April	0.140641	47	997	0.96046	394563	416379	399915.4	0.029423	16243.28	477.923	16463.63	484.4062	-220.345	-6.483180057	56244.61814	55931.97	56.10027081	-312.6481372	-0.3135889
SFA01	15600	-322	2023-05-23 00:00:00	2023	May	2023May	0.141753	47	983	0.94826	343988	368025	348983.4	0.033734	18769.05	633.1616	19041.61	642.3564	-272.564	-9.194759705	49469.54668	59610.93	60.6418413	10141.38332	10.31676838
SFA01	17840	-332	2023-06-23 00:00:00	2023	June	2023June	0.173284	47	970	0.93523	391500	423400	395976.4	0.028768	27113.6	779.9943	27423.62	788.9127	-310.015	-8.918396635	68616.49017	67140.27	69.2167732	-1476.220171	-1.52187647
SFA01	17760	-379	2023-07-25 00:00:00	2023	July	2023July	0.171486	47	964	0.9298	389158	423453	393726.6	0.03902	29381.47	1146.476	29726.4	1159.935	-344.93	-13.45928666	67518.71774	56584.51	58.69762448	-10934.20774	-11.3425392
SFA01	14160	-216	2023-08-23 00:00:00	2023	August	2023Augu	0.164087	47	952	0.91897	352276	387560	356156	0.037462	31061.87	1163.634	31403.99	1176.451	-342.119	-12.81641659	58440.67858	47748.49	50.15597689	-10692.18858	-11.2312905
SFA02	0	-2990.39	2020-03-24 00:00:00	2020	March	2020Marc	0.119105	3				3004	0	0.018123		0	3004	54.44179	-3004	-54.44178639	0	0		0	
SFA02	4240	-3310.04	2020-04-23 00:00:00	2020	April	2020April	0.116788	3	1	0.01047	0	12678	132.7387	0.017657	0	0	12545.26	221.5143	-12545.3	-221.5142763	15.50222953	0		-15.50222953	-15.5022295
SFA02	9120	-13194.9	2020-05-22 00:00:00	2020	May	2020May	0.119923	3	72	0.75314	0	34487	25973.54	0.018163	0	0	8513.461	154.6312	-8513.46	-154.6312063	3114.811752	3543.76	49.21888889	428.9482477	5.957614551
SFA02	11200	-13110.5	2020-06-23 00:00:00	2020	June	2020June	0.125849	3	69	0.72175	26221	40979	29576.59	0.019995	10108.75	202.1276	11402.41	227.9946	-1293.65	-25.86697602	3722.190599	4204.57	60.9357971	482.3794008	6.991005808
SFA02	12800	-14510.8	2020-07-24 00:00:00	2020	July	2020July	0.124394	3	67	0.70083	27939	44884	31456.05	0.025754	11926.59	307.1611	13427.95	345.8276	-1501.36	-38.66645997	3912.938055	4659.15	69.53955224	746.2119448	11.13749171
SFA02	13790	-18770.8	2020-08-25 00:00:00	2020	August	2020Augu	0.125527	3	98	0.93648	40200	48881	45776.08	0.026386	2726.704	71.94622	3104.921	81.92577	-378.217	-9.979547013	5746.120121	4348.68	44.37428571	-1397.440121	-14.2595931
SFA02	10878	-14864.6	2020-09-24 00:00:00	2020	Septembe	2020Septe	0.12596	3	100	0.9574	32299	38510	36869.47	0.020329	1437.16	29.21591	1640.526	33.35011	-203.366	-4.134200481	4644.086319	4215.28	42.1528	-428.8063189	-4.28806319
SFA02	8210	-11174	2020-10-23 00:00:00	2020	October	2020Octo	0.125749	3	47	0.43613	11211	29348	12799.54	0.024715	14494.64	358.2389	16548.46	408.9995	-2053.82	-50.76067546	1609.527075	3555.78	75.65489362	1946.252925	41.4096367
SFA02	5149	-6925.31	2020-11-21 00:00:00	2020	Novembe	2020Nove	0.121693	3	59	0.58403	9602	18671	10904.42	0.022356	6838.936	152.892	7766.576	173.6304	-927.64	-20.73841146	1326.997429	1651.17	27.9859322	324.1725712	5.494450359
SFA02	4483	-5976.45	2020-12-23 00:00:00	2020	December	2020Dece	0.12169	3	100	0.9574	13995	16599	15891.88	0.028044	622.7146	17.46368	707.1174	19.83071	-84.4028	-2.367028031	1933.890981	1730.24	17.3024	-203.6509806	-2.03650981
SFA02	4889	-6530.05	2021-01-26 00:00:00	2021	January	2021Janu	0.121501	3	97	0.92602	14692	18085	16747.07	0.026739	1173.748	31.38449	1337.928	35.77446	-164.18	-4.389966061	2034.790815	1532.1	15.79484536	-502.6908153	-5.18237954
SFA02	3886	-5246.9	2021-02-22 00:00:00	2021	February	2021Febr	0.120705	3	97	0.92602	11241	13845	12820.75	0.036771	898.0467	33.02241	1024.253	37.66319	-126.206	-4.640783734	1547.531973	939.44	9.684948454	-608.0919726	-6.26898941
SFA02	10004	-13559.8	2021-03-23 00:00:00	2021	March	2021Marc	0.120677	3	97	0.92602	29121	35825	33174.67	0.028604	2326.485	66.54775	2650.334	75.81126	-323.849	-9.263500678	4003.432167	3438.76	35.45113402	-564.6721673	-5.82136255
SFA02	11988	-16328.4	2021-04-23 00:00:00	2021	April	2021April	0.120677	3	100	0.9574	35783	42625	40809.18	0.028243	1592.183	44.9674	1815.825	51.28364	-223.642	-6.316240704	4924.744727	4230.07	42.3007	-694.6747271	-6.94674727
SFA02	14456	-19794.7	2021-05-24 00:00:00	2021	May	2021May	0.118238	3	100	0.9574	43295	51577	49379.82	0.03038	1926.433	58.52456	2197.18	66.74979	-270.747	-8.225231337	5838.590392	5620.25	56.2025	-218.3403916	-2.18340392
SFA02	13208	-18231.1	2021-06-23 00:00:00	2021	June	2021June	0.129823	3	100	0.9574	40263	47863	45824.04	0.034017	1791.523	60.94297	2038.964	69.36028	-247.441	-8.417307759	5949.036305	5467.62	54.6762	-481.4163054	-4.81416305
SFA02	16370	-22472.6	2021-07-26 00:00:00	2021	July	2021July	0.129823	3	100	0.9574	49323	58694	56193.64	0.038181	2194.652	83.79399	2500.364	95.4664	-305.712	-11.67240399	7295.253889	6755.15	67.5515	-540.1038894	-5.40103889
SFA02	11964	-16346.6	2021-08-24 00:00:00	2021	August	2021Augu	0.136961	3	98	0.93648	35189	42883	40159.07	0.047587	2386.816	113.5814	2723.928	129.6236	-337.112	-16.0421669	5500.210173	4848.57	49.47520408	-651.6401731	-6.64938952
SFA02	11039	-15035.1	2021-09-24 00:00:00	2021	Septembe	2021Septe	0.13778	3	98	0.93193	32339	39583	36888.59	0.050001	2362.104	118.1079	2694.415	134.7239	-332.311	-16.61591797	5082.508899	3872.48	39.51510204	-1210.028899	-12.3472337
SFA02	8127	-10977.5	2021-10-25 00:00:00	2021	October	2021Octo	0.137728	3	100	0.95285	24404	29155	27780.34	0.06502	1207.586	78.51708	1374.658	89.38007	-167.072	-10.8629932	3826.128131	3711.52	37.1152	-114.6081305	-1.14608131
SFA02	5515	-7342.37	2021-11-22 00:00:00	2021	Novembe	2021Nove	0.12856	3	98	0.93193	16384	19976	18616.23	0.073543	1196.72	88.00993	1359.766	100.0008	-163.047	-11.99088903	2393.304864	1908.14	19.47081633	-485.1648635	-4.95066187
SFA02	4240	-5608.23	2021-12-22 00:00:00	2021	December	2021Dece	0.128986	3	96	0.91101	12456	15597	14209.02	0.042335	1216.737	51.51049	1387.977	58.75993	-171.24	-7.249443154	1832.77072	1862.58	19.401875	29.80927958	0.310513329
SFA02	3440	-4555.92	2022-01-26 00:00:00	2022	January	2022Janu	0.133085	3	95	0.90055	9382	11905	10721.05	0.082231	1036.078	85.19749	1183.952	97.35732	-147.874	-12.15982856	1426.814928	1146.61	12.06957895	-280.2049282	-2.94952556
SFA02	6080	-8047.47	2022-02-23 00:00:00	2022	February	2022Febr	0.134028	3	95	0.90055	17121	21651	19497.81	0.044644	1890.715	84.40962	2153.192	96.12772	-262.477	-11.71809295	2613.254167	2076.34	21.85621053	-536.9141671	-5.65172807
SFA02	8320	-11318.5	2022-03-23 00:00:00	2022	March	2022Marc	0.125924	3	93	0.87963	22781	29591	26029.13	0.045844	3117.389	142.9139	3561.869	163.2907	-444.48	-20.37677318	3277.694937	2962.1	31.85053763	-315.5949365	-3.39349394
SFA02	12480	-16720.3	2022-04-25 00:00:00	2022	April	2022April	0.121644	3	92	0.86917	33561	43915	38169.6	0.067384	5051.699	340.4046	5745.399	387.149	-693.7	-46.74440627	4643.099072	4013.22	43.62195652	-629.8790723	-6.84651166
SFA02	11440	-15664.4	2022-05-24 00:00:00	2022	May	2022May	0.119584	3	96	0.93461	33235	40639	37981.62	0.081702	2325.287	189.9804	2657.384	217.1134	-332.097	-27.13296609	4541.974552	4233.94	44.10354167	-308.0345518	-3.20869325
SFA02	13920	-18895.6	2022-06-23 00:00:00	2022	June	2022June	0.141656	3	94	0.90643	39169	49218	44612.67	0.097057	4043.383	392.4371	4605.328	446.9777	-561.946	-54.54055279	6319.666012	6036.79	64.22117021	-282.8760118	-3.00931927
SFA02	14480	-19805.2	2022-07-25 00:00:00	2022	July	2022July	0.142012	3	93	0.89597	40249	51354	46011.64	0.095642	4673.263	446.9621	5342.357	510.9559	-669.094	-63.99372488	6534.196297	5464.31	58.75602151	-1069.886297	-11.5041537
SFA02	12160	-16519.3	2022-08-23 00:00:00	2022	August	2022Augu	0.135745	3	92	0.88551	23275	43366	38401.03	0.117366	3009.288	353.1889	4964.973	582.7204	-1955.69	-229.531474	5212.747364	3365.11	36.57728261	-1847.637364	-20.0830148
SFA02	11920	-16224.2	2022-09-26 00:00:00	2022	Septembe	2022Septe	0.144566	3	92	0.89586	44449	43010	38530.94	0.082618	5167.011	426.8896	4479.061	370.0524	687.95	56.83724961	5570.267523	5963.65	64.82228261	393.3824773	4.275896492
SFA02	6880	-9340.25	2022-10-25 00:00:00	2022	October	2022Octo	0.148357	3	92	0.89586	19608	24971	22370.52	0.061665	2279.348	140.5565	2600.48	160.3591	-321.131	-19.80263249	3318.828837	3123.26	33.94847826	-195.5688372	-2.12574823
SFA02	5360	-7165.44	2022-11-22 00:00:00	2022	Novembe	2022Nove	0.140534	3	92	0.90904	15813	19840	18035.35	0.052789	1582.274	83.52608	1804.646	95.26481	-222.372	-11.7387272	2534.584892	2255.92	24.52086957	-278.6648917	-3.02896621
SFA02	3520	-4505.19	2022-12-22 00:00:00	2022	December	2022Dece	0.140226	3	91	0.89858	10222	12818	11518	0.137065	1153.726	158.1355	1300.002	178.1847	-146.275	-20.04923761	1615.125729	1700.61	18.68802198	85.48427125	0.939387596
SFA02	4160	-5441	2023-01-25 00:00:00	2023	January	2023Janu	0.147203	3	90	0.88813	11970	15298	13586.61	0.0382	1507.757	57.59597	1711.387	65.37462	-203.631	-7.778645494	1999.986759	1468.17	16.313	-531.8167585	-5.90907509
SFA02	5040	-6838.5	2023-02-22 00:00:00	2023	February	2023Febr	0.136851	3	89	0.87767	14184	18528	16261.47	0.024793	1976.972	49.01533	2266.53	56.19439	-289.559	-7.179064875	2225.39108	1964.52	22.07325843	-260.8710805	-2.93113574
SFA02	8400	-11328.7	2023-03-23 00:00:00	2023	March	2023Marc	0.141357	3	88	0.86721	23047	30252	26234.84	0.029392	3529.031	103.7263	4017.163	118.0736	-488.132	-14.34731484	3708.485713	3449.93	39.20375	-258.555713	-2.9381331
SFA02	12160	-16404.7	2023-04-24 00:00:00	2023	April	2023April	0.140641	3	88	0.86721	33085	43570	37784.34	0.029423	5066.082	149.0584	5785.66	170.2304	-719.578	-21.17201313	5314.038655	4689.97	53.29511364	-624.068655	-7.09168926
SFA02	12160	-16191.6	2023-05-23 00:00:00	2023	May	2023May	0.141753	3	91	0.90178	34307	43280	39029.04	0.033734	3736.647	126.0533	4250.962	143.4034	-514.315	-17.35006636	5532.494989	5876.1	64.57252747	343.605011	3.775879241
SFA02	15120	-20572.2	2023-06-23 00:00:00	2023	June	2023June	0.173284	3	88	0.8704	40525	53197	46302.67	0.028768	6034.053	173.5854	6894.331	198.3336	-860.278	-24.74816123	8023.525551	6949.21	78.96829545	-1074.315551	-12.2081313
SFA02	15120	-20435.8	2023-07-25 00:00:00	2023	July	2023July	0.171486	3	88	0.8704	40110	52720	45887.49	0.03902	5972.261	233.0398	6832.512	266.6072	-860.251	-33.56731203	7869.075533	5962.91	67.76034091	-1906.165533	-21.660972
SFA02	13280	-18160.9	2023-08-23 00:00:00	2023	August	2023Augu	0.164087	3	87	0.85994	35355	47006	40422.34	0.037462	5758.333	215.7177	6583.66	246.6359	-825.327	-30.91824918	6632.792571	4933.62	56.70827586	-1699.172571	-19.5307192
SFA03	2480	-1647	2020-03-24 00:00:00	2020	March	2020Marc	0.119105	14	258	0.9804	11868	27369	26832.57	0.018123	237.2632	4.299943	536.4324	9.721817	-299.169	-5.421873493	3195.898331	708.21	2.745	-2487.688331	-9.64220283
SFA03	5360	1650	2020-04-23 00:00:00	2020	April	2020April	0.116788	15	258	0.9804	46698	52720	51686.69	0.017657	933.5789	16.4844	1033.312	18.2454	-99.7331	-1.761007155	6036.364243	5533.43	21.4474031	-502.9342435	-1.94935753
SFA03			2020-05-22 00:00:00	2020	May	2020May	0.119923	19	194	0.7372	1909	47696	35161.49	0.018163	680.5279	12.36053	12534.51	227.6661	-11854	-215.3055494	4216.653928	8411.42	43.35783505	4194.766072	21.62250552
SFA03			2020-06-23 00:00:00	2020	June	2020June	0.125849	20	178	0.6764	61588	110852	74980.29	0.019995	29464.63	589.1542	35871.71	717.2656	-6407.08	-128.111412	9436.209865	10962.56	61.58741573	1526.350135	8.57500076
SFA03			2020-07-24 00:00:00	2020	July	2020July	0.124394	20	191	0.7258	77928	108082	78445.92	0.025754	29440.42	758.218	29636.08	763.2571	-195.663	-5.039176069	9758.185536	14160.45	74.13848168	4402.264464	23.04850505
SFA03			2020-08-25 00:00:00	2020	August	2020Augu	0.125527	20	290	0.96693	87157	90434	87443.35	0.026386	2980.859	78.65229	2990.652	78.9107	-9.79338	-0.258406048	10976.47486	9830.46	33.89813793	-1146.014864	-3.95177539
SFA03			2020-09-24 00:00:00	2020	Septembe	2020Septe	0.12596	20	297	0.99108	67789	71378	70741.31	0.020329	610.1202	12.40308	636.6918	12.94325	-26.5716	-0.540171859	8910.589334	8670.67	29.19417508	-239.9193342	-0.80780921
SFA03			2020-10-23 00:00:00	2020	October	2020Octo	0.125749	20	177	0.58998	31802	57754	34073.7	0.024715	22101.52	546.245	23680.3	585.2648	-1578.77	-39.01979599	4284.727165	7329.97	41.41225989	3045.242835	17.20476178
SFA03		-2742	2020-11-21 00:00:00	2020	Novembe	2020Nove	0.121693	20	206	0.68566	26217	42147	28898.51	0.022356	12019.15	268.7015	13248.49	296.1846	-1229.34	-27.4831673	3516.760784	4033.13	19.57830097	516.3692165	2.506646682
SFA03	1732	-2458	2020-12-23 00:00:00	2020	December	2020Dece	0.12169	20	289	0.96434	32984	40044	38616.03	0.028044	1219.704	34.20592	1427.969	40.04659	-208.265	-5.840673957	4699.203729	4161.22	14.39868512	-537.9837294	-1.8615354
SFA03	4507	430	2021-01-26 00:00:00	2021	January	2021Janu	0.121501	20	289	0.96434	104543	45120	43511.02	0.026739	3865.86	103.3681	1608.979	43.02201	2256.881	60.34604817	5286.645156	12812.19	44.33283737	7525.544844	26.03994756
SFA03	3485	-5222	2021-02-22 00:00:00	2021	February	2021Febr	0.120705	20	287	0.95744	35785	58478	55989.18	0.036771	1590.71	58.4926	2488.824	91.51747	-898.113	-33.02486566	6758.189765	4364.18	15.20620209	-2394.009765	-8.34149744
SFA03	8198	-2029	2021-03-23 00:00:00	2021	March	2021Marc	0.120677	20	282	0.94019	86665	101111	95063.55	0.028604	5513.177	157.7012	6047.449	172.9838	-534.272	-15.28254575	11472.02123	10271.19	36.42265957	-1200.83123	-4.25826677
SFA03	9442	-1819	2021-04-23 00:00:00	2021	April	2021April	0.120677	20	288	0.95898	100053	109392	104904.7	0.028243	4279.729	120.8707	4487.26	126.7319	-207.531	-5.861226849	12659.63024	11831.08	41.08013889	-828.5502411	-2.87691056
SFA03	11547	943	2021-05-24 00:00:00	2021	May	2021May	0.118238	20	284	0.94518	123285	121093	114454.7	0.03038	7150.473	217.2296	6638.318	201.6705	512.1543	15.55912209	13532.9373	16047.68	56.50591549	2514.742703	8.854727828
SFA03	10974	-2359	2021-06-23 00:00:00	2021	June	2021June	0.129823	20	278	0.92593	110030	127277	117849.6	0.034017	8801.877	299.4171	9427.407	320.696	-625.53	-21.27892212	15299.64541	15040.96	54.10417266	-258.6854077	-0.93052305
SFA03	13274	2132	2021-07-26 00:00:00	2021	July	2021July	0.129823	19	274	0.91151	132365	131011	119417.8	0.038181	12850.08	490.6289	11593.16	442.6385	1256.919	47.99042604	15503.24032	17801.89	64.97040146	2298.649683	8.38923242
SFA03	9688	3763	2021-08-24 00:00:00	2021	August	2021Augu	0.136961	19	278	0.92337	96081	93999	86795.86	0.047587	7973.713	379.4451	7203.143	342.776	770.5693	36.66908394	11887.61173	13237.38	47.61647482	1349.768266	4.855281534
SFA03	9038	-18	2021-09-24 00:00:00	2021	Septembe	2021Septe	0.13778	20	283	0.93615	88186	94646	88602.85	0.050001	6014.716	300.7428	6043.147	302.1644	-28.4314	-1.421603117	12207.70019	10800.81	38.16540636	-1406.890187	-4.97134342
SFA03	6944	-8	2021-10-25 00:00:00	2021	October	2021Octo	0.137728	18	285	0.94246	66114	70300	66254.94	0.06502	4036.457	262.4498	4045.062	263.0093	-8.60469	-0.559475386	9125.153475	9823.3	34.4677193	698.1465246	2.449636929
SFA03	4984	0	2021-11-22 00:00:00	2021	Novembe	2021Nove	0.12856	20	280	0.92521	47447	51638	47775.99	0.073543	3835.412	282.0663	3862.006	284.0222	-26.5945	-1.955826992	6142.086564	5433.42	19.40507143	-708.6665637	-2.53095201
SFA03	4080	18	2021-12-22 00:00:00	2021	December	2021Dece	0.128986	20	279	0.92176	41686	45483	41924.41	0.042335	3538.353	149.796	3558.59	150.6527	-20.2365	-0.856711461	5407.678728	6237.01	22.35487455	829.3312717	2.972513518
SFA03	3600	27	2022-01-26 00:00:00	2022	January	2022Janu	0.133085	20	275	0.90796	31852	35344	32090.94	0.082231	3228.841	265.5101	3253.062	267.5018	-24.2212	-1.9917278	4270.835352	3781.68	13.75156364	-489.155352	-1.77874673
SFA03	5440	-41	2022-02-23 00:00:00	2022	February	2022Febr	0.134028	20	270	0.89246	51729	58169	51913.51	0.044644	6233.262	278.2795	6255.494	279.2721	-22.2326	-0.992560586	6957.868539	6245.28	23.13066667	-712.5885387	-2.63921681
SFA03	7120	23	2022-03-23 00:00:00	2022	March	2022Marc	0.125924	20	264	0.87176	68210	70123	61130.43	0.045844	10034.01	460.0004	8992.574	412.2566	1041.439	47.74383168	7697.793937	9054.22	34.29628788	1356.426063	5.137977511
SFA03	10000	21	2022-04-25 00:00:00	2022	April	2022April	0.121644	15	261	0.86141	98628	101129	87113.53	0.067384	15868	1069.252	14015.47	944.4209	1852.533	124.831398	10596.82976	11795.24	45.19249042	1198.410238	4.591610108
SFA03	9200	-60	2022-05-24 00:00:00	2022	May	2022May	0.119584	15	277	0.90598	95322	91210	82634.44	0.081702	9892.243	808.2153	8575.564	700.6401	1316.679	107.5752014	9881.715053	11894.03	42.93873646	2012.314947	7.264674897
SFA03	11360	-62	2022-06-23 00:00:00	2022	June	2022June	0.141656	14	276	0.88177	108857	103706	91444.84	0.097057	14595.83	1416.622	12261.16	1190.027	2334.667	226.5949764	12953.73763	17117.45	62.01974638	4163.712365	15.08591437
SFA03	12160	-19	2022-07-25 00:00:00	2022	July	2022July	0.142012	14	276	0.88177	116799	81410	71784.9	0.095642	15660.71	1497.828	9625.104	920.5682	6035.607	577.2600451	10194.30225	15855.89	57.44887681	5661.587749	20.51299909
SFA03	9840	-85	2022-08-23 00:00:00	2022	August	2022Augu	0.135745	14	275	0.87832	97007	127600	112073.6	0.117366	13439.08	1577.295	15526.37	1822.272	-2087.29	-244.9773366	15213.43518	14023.99	50.99632727	-1189.445176	-4.32525518
SFA03	10320	23	2022-09-26 00:00:00	2022	Septembe	2022Septe	0.144566	14	272	0.87581	95960	92924	81383.77	0.082618	13607.14	1124.199	11540.23	953.4341	2066.912	170.7647184	11765.33401	12433.75	45.71231618	668.4159933	2.45741174
SFA03	6080	14	2022-10-25 00:00:00	2022	October	2022Octo	0.148357	14	270	0.86891	59188	58630	50944.19	0.061665	8929.527	550.6409	7685.807	473.9467	1243.72	76.69421876	7557.940421	9056.9	33.54407407	1498.959579	5.551702143
SFA03	5200	-7	2022-11-22 00:00:00	2022	Novembe	2022Nove	0.140534	14	266	0.85156	48861	49548	42193.09	0.052789	8517.223	449.6126	7354.905	388.2554	1162.318	61.35719468	5929.574944	7017.23	26.38056391	1087.655056	4.088928781
SFA03	3360	-48	2022-12-22 00:00:00	2022	December	2022Dece	0.140226	14	265	0.84811	32440	33318	28257.33	0.137065	5809.755	796.314	5060.671	693.6408	749.0843	102.6732316	3962.419278	5577.95	21.04886792	1615.530722	6.096342348
SFA03	4080	55	2023-01-25 00:00:00	2023	January	2023Janu	0.147203	17	262	0.83776	38354	39780	33326.09	0.0382	7427.608	283.733	6453.907	246.5378	973.7009	37.19516203	4905.692507	4551.06	17.37045802	-354.6325069	-1.35355919
SFA03	4640	-13	2023-02-22 00:00:00	2023	February	2023Febr	0.136851	20	262	0.83776	43217	51357	43024.84	0.024793	8369.373	207.503	8332.16	206.5804	37.21351	0.922639469	5887.973061	5994.3	22.87900763	106.3269385	0.40582801
SFA03	7360	-34	2023-03-23 00:00:00	2023	March	2023Marc	0.141357	20	259	0.82741	65462	79167	65503.57	0.029392	13654.76	401.3447	13663.43	401.5996	-8.67059	-0.25484839	9259.407438	10012.31	38.65756757	752.9025621	2.906959699
SFA03	10480	-35	2023-04-24 00:00:00	2023	April	2023April	0.140641	19	255	0.81524	90723	111501	90900.08	0.029423	20560.79	604.9564	20600.92	606.1372	-40.131	-1.180767888	12784.30475	12916.09	50.65133333	131.7852481	0.516804895
SFA03	9920	45	2023-05-23 00:00:00	2023	May	2023May	0.141753	19	279	0.90017	93406	103589	93247.71	0.033734	10358.84	349.4488	10341.29	348.8567	17.55455	0.592191205	13218.17063	16184.49	58.00892473	2966.319372	10.63196907
SFA03	11200	-43	2023-06-23 00:00:00	2023	June	2023June	0.173284	19	277	0.89327	106162	117567	105019.1	0.028768	12684.49	364.9027	12547.93	360.9742	136.5595	3.928493274	18198.15674	18205.52	65.72389892	7.363259666	0.026582165
SFA03	11120	-57	2023-07-25 00:00:00	2023	July	2023July	0.171486	19	275	0.88637	103795	117101	103794.8	0.03902	13306.21	519.2133	13306.19	519.2123	0.023925	0.000933578	17799.3885	14956.89	54.38869091	-2842.498504	-10.3363582
SFA03	10080	-330	2023-08-23 00:00:00	2023	August	2023Augu	0.164087	19	273	0.88074	94187	108716	95750.53	0.037462	12753.75	477.7789	12965.47	485.7101	-211.716	-7.931259614	15711.44592	12182.48	44.62446886	-3528.965915	-12.9266151
SFA05	21920	6343	2020-09-24 00:00:00	2020	Septembe	2020Septe	0.12596	3	322	0.97888	227332	141997	138998	0.020329	4904.842	99.7101	2998.977	60.96593	1905.865	38.74416942	17508.21882	23770.92	73.82273292	6262.701178	19.44938254
SFA05	12160	-226	2020-10-23 00:00:00	2020	October	2020Octo	0.125749	3	321	0.97584	128721	132480	129279.3	0.024715	3186.895	78.76496	3200.717	79.10657	-13.8221	-0.341615995	16256.71343	20941.21	65.23741433	4684.496566	14.59344724
SFA05	8560	-151	2020-11-21 00:00:00	2020	Novembe	2020Nove	0.121693	3	319	0.96976	88044	91266	88506.12	0.022356	2745.474	61.37811	2759.884	61.70026	-14.4102	-0.322154999	10770.61816	8834.17	27.69332288	-1936.448162	-6.07037041
SFA05	8000	-152	2020-12-23 00:00:00	2020	December	2020Dece	0.12169	3	320	0.9728	90560	84623	82321.25	0.028044	2532.105	71.01147	2301.746	64.55117	230.3597	6.460307752	10017.71379	10958.4	34.245	940.6862146	2.939644421
SFA05	8560	-180	2021-01-26 00:00:00	2021	January	2021Janu	0.121501	3	316	0.64132	65642	88763	56925.49	0.026739	36712.52	981.6449	31837.51	851.2936	4875.006	130.3513025	6916.520124	9917.52	31.38455696	3000.999876	9.496835051
SFA05	6160	-103	2021-02-22 00:00:00	2021	February	2021Febr	0.120705	3	327	0.66442	47769	63395	42120.91	0.036771	24126.79	887.1752	21274.09	782.2777	2852.695	104.897504	5084.216162	5760.97	17.61764526	676.7538383	2.069583603
SFA05	15200	-264	2021-03-23 00:00:00	2021	March	2021Marc	0.120677	3	362	0.7349	122467	167030	122750.3	0.028604	44177.44	1263.67	44279.65	1266.594	-102.212	-2.923703048	14813.1915	14458.57	39.9408011	-354.6214976	-0.9796174
SFA05	16800	-342	2021-04-23 00:00:00	2021	April	2021April	0.120677	3	419	0.98488	182777	186108	183294	0.028243	2806.015	79.2492	2813.953	79.47339	-7.93777	-0.224183384	22119.4472	21502.59	51.31883055	-616.8571993	-1.47221289
SFA05	20320	-395	2021-05-24 00:00:00	2021	May	2021May	0.118238	3	419	0.98488	217252	221446	218097.7	0.03038	3335.28	101.325	3348.264	101.7194	-12.9839	-0.394446186	25787.52522	28206.07	67.3175895	2418.544776	5.772183236
SFA05	14000	-397	2021-06-23 00:00:00	2021	June	2021June	0.129823	3	418	0.98245	195664	199727	196221.8	0.034017	3495.245	118.8992	3505.209	119.2381	-9.9641	-0.338953085	25474.19774	26572.38	63.57028708	1098.182259	2.627230284
SFA05	20480	-435	2021-07-26 00:00:00	2021	July	2021July	0.129823	3	412	0.9803	233516	239501	234782.8	0.038181	4692.712	179.1724	4718.17	180.1444	-25.4581	-0.972014817	30480.32642	29253.92	71.00466019	-1226.406422	-2.97671462
SFA05	16880	-449	2021-08-24 00:00:00	2021	August	2021Augu	0.136961	3	416	0.99007	182307	185062	183224.3	0.047587	1828.465	87.01118	1837.666	87.44901	-9.20049	-0.437823814	25094.51293	25180.81	60.53079327	86.29706644	0.207444871
SFA05	16160	-395	2021-09-24 00:00:00	2021	Septembe	2021Septe	0.13778	3	416	0.98976	176613	179297	177461	0.050001	1827.228	91.36352	1836.001	91.80219	-8.77335	-0.438677475	24450.57463	20604.79	49.53074519	-3845.784629	-9.24467459
SFA05	12720	-241	2021-10-25 00:00:00	2021	October	2021Octo	0.137728	3	414	0.98484	136914	139748	137629.4	0.06502	2107.567	137.0337	2118.58	137.7497	-11.0127	-0.716045703	18955.41104	21203.68	51.21661836	2248.268961	5.430601355
SFA05	8800	-246	2021-11-22 00:00:00	2021	Novembe	2021Nove	0.12856	3	410	0.975	99056	102178	99623.55	0.073543	2539.897	186.7908	2554.45	187.861	-14.5526	-1.070234114	12807.61355	10887.24	26.5542439	-1920.37355	-4.68383793
SFA05	7920	-161	2021-12-22 00:00:00	2021	December	2021Dece	0.128986	3	410	0.9748	80433	83026	80933.74	0.042335	2079.31	88.02748	2092.255	88.5755	-12.945	-0.548025097	10439.35238	12594.01	30.71709756	2154.65762	5.255262487
SFA05	6800	-122	2022-01-26 00:00:00	2022	January	2022Janu	0.133085	3	407	0.96742	72762	76162	73680.64	0.082231	2450.421	201.5	2481.358	204.044	-30.9373	-2.543998	9805.817718	8274.99	20.33167076	-1530.827718	-3.76124746
SFA05	10400	-216	2022-02-23 00:00:00	2022	February	2022Febr	0.134028	3	405	0.9625	103669	108122	104067.4	0.044644	4059.052	181.2125	4064.975	181.8067	-15.5231	-0.693015555	13947.95924	12563.13	31.02007427	-1384.829245	-3.41933147
SFA05	13040	-264	2022-03-23 00:00:00	2022	March	2022Marc	0.125924	3	401	0.95246	133603	140938	134266	0.045844	6639.059	304.3618	6672.005	305.8722	-32.9458	-1.510373062	16907.32459	18118.5	45.18329177	1211.175409	3.020387554
SFA05	17760	-351	2022-04-25 00:00:00	2022	April	2022April	0.121644	3	399	0.94774	181750	192750	182686.6	0.067384	10027.85	675.7185	10073.64	678.8038	-45.7876	-3.085359946	22222.6816	21689.36	54.35929825	-533.3215991	-1.33664561
SFA05	20240	-271	2022-05-24 00:00:00	2022	May	2022May	0.119584	3	394	0.94736	165600	175630	166384.8	0.081702	9264.756	756.9488	9301.65	759.9631	-36.8949	-3.014386227	19896.88113	20005.42	50.90437659	108.5388685	0.276180327
SFA05	19440	-348	2022-06-23 00:00:00	2022	June	2022June	0.141656	3	389	0.92451	197284	214211	198040.2	0.097057	16109.04	1563.489	16170.79	1569.482	-61.7478	-5.9930293	28053.64363	31331.15	80.54280206	3277.506372	8.425466252
SFA05	20800	-431	2022-07-25 00:00:00	2022	July	2022July	0.142012	3	387	0.91959	212331	231921	213272.2	0.095642	18566.47	1775.741	18648.77	1783.613	-82.3024	-7.871603344	30287.17361	28821.86	74.47509044	-1465.313612	-3.78634008
SFA05	17680	-474	2022-08-23 00:00:00	2022	August	2022Augu	0.135745	3	385	0.9161	174654	191871	175773	0.117366	20024.55	2350.198	20126.39	2362.152	-101.848	-12.02822181	23860.30902	25180.7	65.40441558	1320.390979	3.429586959
SFA05	18400	-339	2022-09-26 00:00:00	2022	Septembe	2022Septe	0.144566	3	384	0.91845	180695	196786	181564.7	0.082618	16044.07	1325.534	16121.29	1331.914	-77.222	-6.379952165	26248.10155	22870.49	59.55856771	-3377.611545	-8.7958634
SFA05	11200	-237	2022-10-25 00:00:00	2022	October	2022Octo	0.148357	3	380	0.90863	110427	122073	110919.2	0.061665	11154.02	684.7498	11153.81	687.8018	-49.4936	-3.052034159	16455.666	17206.9	45.28131579	751.2340009	1.976931581
SFA05	9760	-169	2022-11-22 00:00:00	2022	Novembe	2022Nove	0.140534	3	375	0.89426	85787	96559	86348.85	0.052789	10197.11	535.6273	10210.71	538.9798	-66.435	-3.507012492	12134.97106	12486.77	33.29805333	351.7989386	0.938130503
SFA05	6480	-157	2022-12-22 00:00:00	2022	December	2022Dece	0.140226	3	377	0.89788	58036	65192	58534.59	0.137065	6600.7	904.7248	6657.407	912.4974	-56.7073	-7.772579564	8208.086466	10104.76	26.80307692	1896.673534	5.030964281
SFA05	7760	-181	2023-01-25 00:00:00	2023	January	2023Janu	0.147203	3	385	0.91756	72723	79953	73361.67	0.0382	6533.942	249.5952	6591.325	251.7872	-57.383	-2.192017888	10799.04026	8562.72	22.24083117	-2236.320258	-5.80862405
SFA05	8720	-121	2023-02-22 00:00:00	2023	February	2023Febr	0.136851	3	380	0.90526	81697	90804	82201.23	0.024793	8550.001	211.9813	8602.771	213.2897	-52.7701	-1.308336173	11249.2834	11302.93	29.74455263	53.6465952	0.141175251
SFA05	13440	-222	2023-03-23 00:00:00	2023	March	2023Marc	0.141357	3	377	0.89708	127977	143062	128338.1	0.029392	14682.52	431.5528	14723.94	432.7704	-41.4235	-1.217531395	18141.5215	19622.93	52.05021215	1481.408498	3.929465512
SFA05	18480	-346	2023-04-24 00:00:00	2023	April	2023April	0.140641	3	372	0.88723	174556	197818	175510.3	0.029423	22186.67	652.7943	22307.94	656.3623	-121.265	-3.567953254	24683.96358	24812.97	66.70153226	129.0064163	0.346791442
SFA05	16320	-323	2023-05-23 00:00:00	2023	May	2023May	0.141753	3	399	0.94978	169478	179060	170067.6	0.033734	8961.218	302.3008	8992.393	303.3525	-31.1757	-1.051691749	24107.64449	29280.74	73.38531328	5173.095511	12.96515166
SFA05	18640	-377	2023-06-23 00:00:00	2023	June	2023June	0.173284	3	443	0.92271	188787	205716	189816.2	0.028768	15813.58	454.9193	15899.79	457.3994	-86.2109	-2.480084077	32892.16914	32296.8	72.90474041	-595.3691409	-1.3439484
SFA05	17200	-404	2023-07-25 00:00:00	2023	July	2023July	0.171486	3	442	0.92081	193455	211143	194422.6	0.03902	16637.2	649.1898	16720.41	652.4368	-83.2127	-3.246991934	33340.80886	27736.99	62.75337104	-5603.81888	-12.6783255
SFA05	17360	-388	2023-08-23 00:00:00	2023	August	2023Augu	0.164087	3	446	0.91834	185961	189761	187168.9	0.037462	2575.407	96.47945	2592.135	97.10611	-16.7279	-0.62665876	30712.03366	23511.59	49.81269068	-7200.443659	-15.2551772
SFA07		-538.974	2021-03-23 00:00:00	2021	March	2021Marc	0.120677	26	10	0.021	370	20044	420.924	0.028604	17249.05	493.399	19623.08	561.3067	-2374.04	-67.90770727	50.79600971	43.8	4.38	-6.996009708	-0.69960097
SFA07		-4.4E-05	2021-04-23 00:00:00	2021	April	2021April	0.120677	26	10	0.021	420	20385	428.085	0.028243	19580	552.9904	19956.92	563.6354	-376.915	-10.64506486	51.6601805	49.7	4.97	-1.960180498	-0.19601805
SFA07	2562	665.5698	2021-05-24 00:00:00	2021	May	2021May	0.118238	27	10	0.021	370	62108	1304.268	0.03038	58740	1784.507	60803.73	1847.202	-2063.73	-62.69566635	154.2145484	163.5	16.35	9.285451551	0.928545155
SFA07	11415	739.071	2021-06-23 00:00:00	2021	June	2021June	0.129823	27	10	0.021	4250	240345	5047.245	0.034017	198131	6739.903	235827.8	8004.221	-37166.8	-1264.318549	655.2509608	577.1	57.71	-78.15096079	-7.81509608
SFA07	13670	799.5987	2021-07-26 00:00:00	2021	July	2021July	0.129823	27	288	0.48502	135919	281173	136374.5	0.038181	144314.8	5510.083	144798.5	5528.549	-483.667	-18.46687674	17704.61723	15726.91	54.60732639	-1977.707232	-6.867039
SFA07	9624	598.229	2021-08-24 00:00:00	2021	August	2021Augu	0.136961	27	415	0.69385	130543	204228	141703.6	0.047587	57599.97	2741.01	62524.4	2975.349	-4924.43	-234.3389664	19407.80878	17982.56	43.33146988	-1425.248316	-3.4343334
SFA07	9038	-368.014	2021-09-24 00:00:00	2021	Septembe	2021Septe	0.13778	27	578	0.95955	225518	203970	195719.4	0.050001	9506.751	475.3486	8250.587	412.5389	1256.165	62.80969142	26966.21883	27821.6	48.13425606	855.3811652	1.47989821
SFA07	6340	-1730.59	2021-10-25 00:00:00	2021	October	2021Octo	0.137728	27	595	0.9892	145854	154869	153196.4	0.06502	1592.421	103.539	1672.585	108.7512	-80.1638	-5.212241304	21099.4205	21927.89	36.85359664	828.4695021	1.392385718
SFA07	3761	-2501.47	2021-11-22 00:00:00	2021	Novembe	2021Nove	0.12856	27	588	0.9771	104370	112430	109855.4	0.073543	2444.612	179.7832	2574.647	189.3464	-130.035	-9.563124775	14123.01517	12124.93	20.62062925	-1998.085167	-3.39810403
SFA07	2720	-2635.52	2021-12-22 00:00:00	2021	December	2021Dece	0.128986	27	583	0.96994	149594	91873	89111.3	0.042335	4636.159	196.2715	2761.702	116.9165	1874.456	79.35499581	11494.14548	21298.54	36.53265866	9804.394521	16.81714326

SFA07	2565	-1725.99	2022-01-26 00:00:00	2022	January	2022Janu	0.133085	27	579	0.96286	72345	77748	74860.44	0.082231	2790.534	229.4678	2887.561	237.4464	-97.027	-7.978606078	9962.831506	8707.76	15.03930915	-1255.071506	-2.16765372
SFA07	3921	-2293.32	2022-02-23 00:00:00	2022	February	2022Febru	0.134028	27	575	0.95578	106870	111843	106897.3	0.044644	4944.434	220.7407	4945.697	220.7971	-1.26318	-0.056393588	14327.24235	13111.76	22.80306087	-1215.482355	-2.11388236
SFA07	5861	-1359.36	2022-03-23 00:00:00	2022	March	2022Marc	0.125924	27	568	0.94392	137605	146298	138093.6	0.045844	8175.363	374.7923	8204.392	376.1231	-29.0291	-1.330813308	17389.31332	18071.83	31.81660211	682.5166767	1.201613867
SFA07	9629	-78.1297	2022-04-25 00:00:00	2022	April	2022April	0.121644	27	564	0.93684	201128	215130	201542.4	0.067384	13559.67	913.7075	13587.61	915.5901	-27.9373	-1.882535138	24516.40224	24005.28	42.56255319	-511.1222376	-0.9062451
SFA07	9257	214.5497	2022-05-24 00:00:00	2022	May	2022May	0.119584	27	556	0.92268	181415	192468	177586.4	0.081702	15202.46	1242.07	14881.63	1215.857	320.8364	26.21295211	21236.40018	23055.57	41.46685252	1819.169816	3.271888158
SFA07	11963	991.7459	2022-06-23 00:00:00	2022	June	2022June	0.141656	27	551	0.91384	223055	243945	222926.7	0.097057	21030.4	2041.14	21018.3	2039.966	12.09668	1.174063246	31578.97132	34316.91	62.28114338	2737.938677	4.969035711
SFA07	12978	884.5333	2022-07-25 00:00:00	2022	July	2022July	0.142012	27	547	0.90694	236189	258990	234888.4	0.095642	24235.06	2317.9	24101.61	2305.136	133.4539	12.76385599	33356.92315	32062.3	58.61480804	-1294.623148	-2.36676992
SFA07	10333	-60.98	2022-08-23 00:00:00	2022	August	2022Augu	0.135745	27	542	0.89888	196017	217913	195877.6	0.117366	22051.04	2588.048	22035.36	2586.208	15.67767	1.840029381	26589.40989	28367.19	52.33798893	1777.780106	3.280037095
SFA07	9893	-1198.67	2022-09-26 00:00:00	2022	Septembe	2022Septe	0.144566	27	534	0.89385	198936	221605	198081.6	0.082618	23624.83	1951.843	23523.37	1943.46	101.4616	8.382583446	28635.88862	26484.44	49.59632959	-2151.448622	-4.02893
SFA07	5141	-1664.71	2022-10-25 00:00:00	2022	October	2022Octo	0.148357	27	531	0.88854	115944	129813	115344	0.061665	14544.22	896.8719	14468.96	892.231	75.25965	4.640900159	17112.12503	17635.92	33.21265537	523.7949737	0.986431212
SFA07	3627	-2821.08	2022-11-22 00:00:00	2022	Novembe	2022Nove	0.140534	27	529	0.88021	99462	112206	98764.84	0.052789	13536.03	714.5487	13441.16	709.5402	94.87782	5.008470132	13879.84317	14263.82	26.96374291	383.9768261	0.725854114
SFA07	2122	-2316.31	2022-12-22 00:00:00	2022	December	2022Dece	0.140226	27	526	0.8749	66206	75196	65788.98	0.137065	9466.648	1297.546	9407.02	1289.373	59.6287	8.173007296	9225.342013	10919.16	20.75885932	1693.817987	3.220186287
SFA07	2582	-2198.81	2023-01-25 00:00:00	2023	January	2023Janu	0.147203	27	522	0.86802	75524	86619	75187.02	0.0382	11483.21	438.6562	11431.98	436.699	51.2362	1.957211495	11067.73675	9396.11	18.00021073	-1671.626753	-3.2023501
SFA07	3719	-1408.57	2023-02-22 00:00:00	2023	February	2023Febru	0.136851	27	520	0.86562	88477	101329	87712.41	0.024793	13735.29	340.5408	13616.59	337.598	118.6961	2.942849095	12003.49141	12251.33	23.56025	247.8385893	0.476612672
SFA07	6277	-1053.61	2023-03-23 00:00:00	2023	March	2023Marc	0.141357	27	568	0.9461	145402	151982	143790.2	0.029392	8283.657	243.4757	8191.83	240.7766	91.82711	2.69900906	20325.79023	21531.09	37.90684859	1205.299774	2.122006644
SFA07	9765	-567.283	2023-04-24 00:00:00	2023	April	2023April	0.140641	27	554	0.9225	201715	216124	199374.4	0.029423	16946.25	498.6063	16749.61	492.8207	196.6366	5.785602671	28040.2734	28797.71	51.98142599	757.4366037	1.367214086
SFA07	9571	244.4307	2023-05-23 00:00:00	2023	May	2023May	0.141753	27	554	0.91948	186974	200549	184400.8	0.033734	16373.54	552.3508	16148.21	544.7492	225.3388	7.601656512	26139.42115	32398.6	58.48122744	6259.178854	11.29815678
SFA07	11331	458.5175	2023-06-23 00:00:00	2023	June	2023June	0.173284	27	546	0.90639	211950	229648	208150.7	0.028768	21889.74	629.716	21497.35	618.4279	392.3886	11.28809187	36069.2398	36412.08	66.68879121	342.8401954	0.627912446
SFA07	11296	425.2694	2023-07-25 00:00:00	2023	July	2023July	0.171486	27	583	0.97188	222901	225909	219556.4	0.03902	6449.331	251.6553	6352.561	247.8793	96.77024	3.776010535	37650.92135	33188.6	56.92727273	-4462.321352	-7.6540675
SFA07	10182	130.7109	2023-08-23 00:00:00	2023	August	2023Augu	0.164087	27	574	0.95712	203300	207551	198651.2	0.037462	9108.058	341.2044	8899.787	333.4022	208.2706	7.802197322	32596.1412	24901.13	43.38175958	-7695.011203	-13.4059429
SFA08		-1148.52	2021-02-22 00:00:00	2021	February	2021Febru	0.120705	13	64	0.16704	1408	11828	1975.749	0.036771	7021.119	258.1762	9852.251	362.2808	-2831.13	-104.1046175	238.4833705	170.24	2.66	-68.2433705	-1.06630266
SFA08	41760	160.63	2021-03-23 00:00:00	2021	March	2021Marc	0.120677	14	64	0.16704	18368	123396	20612.07	0.028604	91593.69	2619.984	102783.9	2940.075	-11190.2	-320.0905173	2487.410549	2168.32	33.88	-319.0905494	-4.98578983
SFA08	48880	-1326.31	2021-04-23 00:00:00	2021	April	2021April	0.120677	14	64	0.16704	24832	149891	25037.79	0.028243	123827	3497.198	124853.2	3526.181	-1026.2	-28.98267014	3021.495467	2504.96	39.14	-516.5354672	-8.07086667
SFA08	64880	-1896.17	2021-05-24 00:00:00	2021	May	2021May	0.118238	14	64	0.16704	31488	192417	32141.34	0.03038	157017.7	4770.16	160275.7	4869.135	-3257.92	-98.97471638	3800.339783	4088.32	63.88	287.9802167	4.499690887
SFA08	59520	-1756.94	2021-06-23 00:00:00	2021	June	2021June	0.129823	14	238	0.62118	109956	180680	112234.8	0.034017	67055.49	2281.055	68445.2	2328.329	-1389.7	-47.27411549	14570.71375	14932.12	62.74	361.406253	1.518513668
SFA08	74320	-2171.69	2021-07-26 00:00:00	2021	July	2021July	0.129823	14	238	0.62118	133280	219021	136051.5	0.038181	81279.39	3103.328	82969.54	3167.859	-1690.15	-64.53153838	17662.67598	18252.22	76.69	589.5440226	2.477075725
SFA08	54880	-1582.75	2021-08-24 00:00:00	2021	August	2021Augu	0.136961	14	367	0.95787	150103	160147	153400	0.047587	6601.981	314.1685	6746.993	321.0692	-145.012	-6.900699624	21009.75545	20620.44	56.18648501	-389.3154497	-1.06080504
SFA08	51600	-1460.77	2021-09-24 00:00:00	2021	Septembe	2021Septe	0.13778	14	382	0.99703	148982	150795	150347.1	0.050001	443.7946	22.19025	447.8612	22.39358	-4.06654	-0.203331718	20714.82729	18533.66	48.51743455	-2181.167287	-5.70986201
SFA08	38160	-1064.5	2021-10-25 00:00:00	2021	October	2021Octo	0.137728	14	379	0.9892	106879	120076	118779.2	0.06502	1166.896	75.87138	1296.821	84.31909	-129.925	-8.447711991	16359.20691	15690.03	41.39849604	-669.1769149	-1.7656383
SFA08	27760	-640.92	2021-11-22 00:00:00	2021	Novembe	2021Nove	0.12856	14	378	0.98659	75600	85237	84093.97	0.073543	1027.576	75.57065	1143.028	84.06132	-115.452	-8.490673758	10811.12943	8823.6	23.34285714	-1987.529428	-5.25801436
SFA08	22320	-616.402	2021-12-22 00:00:00	2021	December	2021Dece	0.128986	14	376	0.98137	62041	70992	69669.42	0.042335	1177.766	49.86064	1322.581	55.99139	-144.815	-6.130749876	8986.407552	9185.88	24.43053191	199.4724479	0.53051183
SFA08	17360	-504.087	2022-01-26 00:00:00	2022	January	2022Janu	0.133085	14	375	0.97876	76126	55951	54762.6	0.082231	1652.005	135.8457	1188.399	97.723	463.6056	38.12265051	7288.102627	9224.33	24.59821333	1936.227373	5.163272994
SFA08	29280	-781.492	2022-02-23 00:00:00	2022	February	2022Febru	0.134028	14	374	0.97615	87891	92202	90002.98	0.044644	2147.416	95.86986	2199.018	98.17357	-51.6015	-2.303710866	12062.92871	11010.69	29.44034759	-1052.238712	-2.81347249
SFA08	38960	-1052.53	2022-03-23 00:00:00	2022	March	2022Marc	0.125924	14	373	0.97354	116378	122335	119098	0.045844	3163.056	145.0075	3236.984	148.3967	-73.9277	-3.389152299	14997.31046	15224.55	40.81648794	227.239536	0.609221276
SFA08	55200	-1479.06	2022-04-25 00:00:00	2022	April	2022April	0.121644	14	373	0.97354	171955	180264	175494.2	0.067384	4673.593	314.9262	4769.785	321.4081	-96.1929	-6.481878689	21347.80069	20563.73	55.13064343	-784.0706865	-2.10206618
SFA08	48960	-1422.06	2022-05-24 00:00:00	2022	May	2022May	0.119584	14	372	0.97093	153637	161239	156551.8	0.081702	4599.948	375.8246	4687.218	382.9547	-87.2696	-7.130098167	18721.01006	19656.15	52.8391129	935.1399449	2.513817056
SFA08	53840	-1602.49	2022-06-23 00:00:00	2022	June	2022June	0.141656	14	367	0.95787	177995	189578	181591.1	0.097057	7828.755	759.8326	7986.921	775.1837	-158.166	-15.3510944	25723.52034	27384.96	74.61841962	1661.439656	4.52708353
SFA08	66400	-1999.54	2022-07-25 00:00:00	2022	July	2022July	0.142012	14	364	0.95004	197288	211685	201109.2	0.095642	10374.84	992.2743	10575.78	1011.493	-200.947	-19.21908913	28559.88196	26779.48	73.57	-1780.40196	-4.89121417
SFA08	52800	-1554.71	2022-08-23 00:00:00	2022	August	2022Augu	0.135745	14	362	0.94482	160366	172259	162753.7	0.117366	9365.801	1099.229	9505.252	1115.596	-139.451	-16.36682641	22093.00757	23182.48	64.04	1089.472426	3.009592337
SFA08	49440	-1424.49	2022-09-26 00:00:00	2022	Septembe	2022Septe	0.144566	14	359	0.93699	153652	167099	156570.1	0.082618	10332.67	853.6678	10528.91	869.8803	-196.234	-16.2124879	22634.72758	20510.5	57.13231198	-2124.227579	-5.91706846
SFA08	33200	-928.154	2022-10-25 00:00:00	2022	October	2022Octo	0.148357	14	357	0.93177	94248	103310	96261.16	0.061665	6901.425	425.5777	7048.841	434.6681	-147.416	-9.090436134	14281.04079	14198.31	39.77117647	-82.73078655	-0.2317389
SFA08	26960	152.378	2022-11-22 00:00:00	2022	Novembe	2022Nove	0.140534	14	350	0.9135	76300	82725	75569.29	0.052789	7224.904	381.3928	7155.713	377.7403	69.19171	3.652535819	10620.07314	10968.66	31.33902857	348.5868582	0.995962452
SFA08	18160	-482.356	2022-12-22 00:00:00	2022	December	2022Dece	0.140226	14	348	0.90828	51156	57947	52632.1	0.137065	5165.839	708.0557	5314.899	728.4865	-149.06	-20.43087385	7380.402175	8457.41	24.3029023	1077.007825	3.094850071
SFA08	21680	-612.592	2023-01-25 00:00:00	2023	January	2023Janu	0.147203	14	348	0.90828	61248	69288	62932.9	0.0382	6184.95	236.2637	6355.095	242.7633	-170.145	-6.499508342	9263.896628	7537.04	21.65816092	-1726.856628	-4.96223169
SFA08	24480	-637.824	2023-02-22 00:00:00	2023	February	2023Febru	0.136851	14	346	0.90306	69200	78456	70850.48	0.024793	7428.352	184.1721	7605.525	188.5648	-177.172	-4.392653023	9695.926521	9638.67	27.85742775	-57.25652078	-0.16548127
SFA08	39440	-1050.17	2023-03-23 00:00:00	2023	March	2023Marc	0.141357	14	343	0.89523	111475	127230	113900.1	0.029392	13046.07	383.454	13329.89	391.7959	-283.814	-8.341952586	16100.61243	16629	48.48104956	528.3875708	1.540488544
SFA08	55520	-1641.07	2023-04-24 00:00:00	2023	April	2023April	0.140641	14	340	0.8874	158440	182169	161656.8	0.029423	20104.06	591.5181	20512.23	603.5275	-408.168	-12.00945442	22735.61837	22526.46	66.25429412	-209.158371	-0.61517168
SFA08	52080	-1486.48	2023-05-23 00:00:00	2023	May	2023May	0.141753	14	337	0.87957	148617	170130	149641.2	0.033734	20348.52	686.4439	20488.76	691.1748	-140.239	-4.730859432	21212.14017	25677.12	76.19323442	4464.979833	13.24919832
SFA08	62560	-1978.25	2023-06-23 00:00:00	2023	June	2023June	0.173284	14	340	0.8364	164220	200683	167851.3	0.028768	32121.46	924.0586	32831.74	944.4915	-710.275	-20.43294375	29085.9883	28162.2	82.83	-923.7883012	-2.71702442
SFA08	65440	-2012.27	2023-07-25 00:00:00	2023	July	2023July	0.171486	14	338	0.83148	163930	201106	167215.6	0.03902	33224.47	1296.431	33890.38	1322.415	-665.912	-25.98411672	28675.18744	24510.64	72.51668639	-4164.547441	-12.3211463
SFA08	57920	-1841.56	2023-08-23 00:00:00	2023	August	2023Augu	0.164087	14	371	0.91266	158788	177416	161920.5	0.037462	15195.74	569.2601	15495.51	580.4902	-299.774	-11.23006564	26569.09545	20947.48	56.46221024	-5621.615454	-15.1526023
SFA11	16320	12527.98	2020-12-23 00:00:00	2020	December	2020Dece	0.12169	2	264	0.92664	0	7595	7037.831	0.028044	0	0	557.1692	15.6255	-557.169	-15.6254982	856.4370786	4555.2	17.25454545	3698.762921	14.01046561
SFA11	17600	-8797.12	2021-01-26 00:00:00	2021	January	2021Janu	0.121501	2	261	0.91611	15921	66223	60667.55	0.026739	1457.917	38.98281	5555.447	148.5454	-4097.53	-109.5626115	7371.185894	5417.91	20.75827586	-1953.275894	-7.48381568
SFA11	20640	738.3611	2021-02-22 00:00:00	2021	February	2021Febru	0.120705	2	259	0.84341	17384	49119	41427.46	0.036771	3227.565	118.682	7691.544	282.8286	-4463.98	-164.1466507	5000.513065	4949.27	19.10915058	-51.24306509	-0.19784967
SFA11	22240	-24300.2	2021-03-23 00:00:00	2021	March	2021Marc	0.120677	2	258	0.8399	18549	112854	94786.07	0.028604	3535.772	101.1387	18067.93	516.8225	-14532.2	-415.683834	11438.53609	8756.82	33.94116279	-2681.716091	-10.3942484
SFA11	23840	-28599.7	2021-04-23 00:00:00	2021	April	2021April	0.120677	2	257	0.83653	80974	126136	105516.5	0.028243	15823.48	446.8966	20619.45	582.3472	-4795.97	-135.4506468	12733.46162	9570.43	37.23902724	-3163.031624	-12.307516
SFA11	112320	50837.21	2021-05-24 00:00:00	2021	May	2021May	0.118238	2	273	0.88469	174344	146904	129964.5	0.03038	22723.9	690.3464	16939.5	514.6178	5784.399	175.7286147	15366.79321	22626.63	82.88142857	7259.836791	26.59280876
SFA11	45600	-755.014	2021-06-23 00:00:00	2021	June	2021June	0.129823	2	271	0.88029	106171	121930	107333.8	0.034017	14438.12	491.1474	14596.24	496.5264	-158.123	-5.378930612	13934.44328	14487.04	53.45771218	552.5967209	2.039102291
SFA11	64480	-986.83	2021-07-26 00:00:00	2021	July	2021July	0.129823	2	295	0.95696	147434	155969	149256.1	0.038181	6630.956	253.1765	6712.906	256.3054	-81.9501	-3.128934933	19376.94706	20096.93	68.12518644	719.982942	2.440620142
SFA11	52160	-826.219	2021-08-24 00:00:00	2021	August	2021Augu	0.136961	2	296	0.96024	116685	122887	118001	0.047587	4831.496	229.9164	4885.987	232.5095	-54.4912	-2.593075154	16161.48834	16016.08	54.10837838	-145.4083446	-0.49124441
SFA11	20960	-29773.3	2021-09-24 00:00:00	2021	Septembe	2021Septe	0.13778	2	295	0.9568	83698	118108	113005.7	0.050001	3779.007	188.9547	5102.266	255.1192	-1323.26	-66.16448053	15569.92896	10057.29	34.09250847	-5512.638956	-18.6869117
SFA11	69920	28132.98	2021-10-25 00:00:00	2021	October	2021Octo	0.137728	2	296	0.96112	119842	96916	93147.91	0.06502	4847.945	315.2127	3768.094	245.0009	1079.851	70.21174685	12829.06547	16852.61	56.93449324	4023.544528	13.59305584
SFA11	29600	-367.87	2021-11-22 00:00:00	2021	Novembe	2021Nove	0.12856	2	295	0.95768	67354	71320	68301.74	0.073543	2976.382	218.891	3018.262	221.971	-41.8806	-3.080013508	8780.878216	7547.64	25.58522034	-1233.238216	-4.18046853
SFA11	24480	-406.183	2021-12-22 00:00:00	2021	December	2021Dece	0.128986	2	297	0.9616	56198	59482	57197.89	0.042335	2244.18	95.00722	2284.109	96.69762	-39.9291	-1.690396151	7377.750073	8579.74	28.88801347	1201.989927	4.04710413
SFA11	20320	-133.615	2022-01-26 00:00:00	2022	January	2022Janu	0.133085	2	295	0.95472	46610	49252	47021.87	0.082231	2210.597	181.7791	2230.131	183.3854	-19.5339	-1.606291635	6257.924303	5448.83	18.47061017	-809.0943032	-2.74269255
SFA11	32320	-457.373	2022-02-23 00:00:00	2022	February	2022Febru	0.134028	2	288	0.9337	70305	76495	71423.38	0.044644	4992.205	222.8734	5071.619	226.4188	-79.4138	-3.545373678	9572.740118	8585.55	29.8109375	-987.190118	-3.42774347
SFA11	40480	-802.251	2022-03-23 00:00:00	2022	March	2022Marc	0.125924	2	295	0.95089	89539	95481	90791.93	0.045844	4624.363	211.9998	4689.072	214.9664	-64.7092	-2.966534495	11432.89183	11952.11	40.51562712	519.218168	1.760061586
SFA11	55520	-947.369	2022-04-25 00:00:00	2022	April	2022April	0.121644	2	290	0.93478	122011	132417	123780.8	0.067384	8512.76	573.6254	8636.237	581.9458	-123.477	-8.320406118	15057.17479	14585.94	50.29634483	-471.2347879	-1.62494754
SFA11	50560	-973.368	2022-05-24 00:00:00	2022	May	2022May	0.119584	2	288	0.94372	112737	121132	114314.7	0.081702	6723.221	549.3001	6817.309	556.9873	-94.0877	-7.687146669	13670.15086	14011.64	48.65152778	341.489144	1.185726195
SFA11	60960	-1484.52	2022-06-23 00:00:00	2022	June	2022June	0.141656	2	287	0.91093	131331	147033	133936.8	0.097057	12841.44	1246.347	13096.23	1271.076	-254.79	-24.72907604	18972.98737	20604.46	71.79254355	1631.47263	5.684573624
SFA11	65760	-1197.47	2022-07-25 00:00:00	2022	July	2022July	0.142012	2	287	0.91074	142146	158065	143956.1	0.095642	13931.48	1332.44	14108.88	1349.407	-177.406	-16.96757969	20443.46745	19289.04	67.20919861	-1154.427452	-4.0223953
SFA11	54560	-1110.18	2022-08-23 00:00:00	2022	August	2022Augu	0.135745	2	285	0.90386	116390	130774	118201.4	0.117366	12379.94	1452.988	12572.61	1475.601	-192.67	-22.61297223	16045.24737	16820.37	59.01884211	775.1226348	2.719728543
SFA11	58080	-860.783	2022-09-26 00:00:00	2022	Septembe	2022Septe	0.144566	2	278	0.88837	118030	134508	119492.9	0.082618	14831.31	1225.337	15015.13	1240.524	-183.82	-15.18691338	17274.61848	15466.03	55.63320144	-1808.588477	-6.50571395
SFA11	36160	-605.292	2022-10-25 00:00:00	2022	October	2022Octo	0.148357	2	276	0.88263	72359	83189	73425.11	0.061665	9622.125	593.3501	9763.893	602.0923	-141.768	-8.74217112	10893.14697	11066.56	40.09623188	173.4130341	0.628308095
SFA11	31200	-399.552	2022-11-22 00:00:00	2022	Novembe	2022Nove	0.140534	2	275	0.8737	61465	71193	62201.32	0.052789	8885.235	469.0394	8991.676	474.6583	-106.441	-5.618888591	8741.416431	8792.62	31.97316364	51.2035686	0.186194795
SFA11	21600	-172.922	2022-12-22 00:00:00	2022	December	2022Dece	0.140226	2	273	0.86683	42062	49019	42491.14	0.137065	6461.932	885.7046	6527.86	894.7411	-65.9282	-9.036448057	5958.373188	7137.54	26.14483516	1179.166812	4.319292351
SFA11	25600	-307.608	2023-01-25 00:00:00	2023	January	2023Janu	0.147203	2	270	0.85903	49418	58416	50181.1	0.0382	8109.677	309.7879	8234.904	314.5715	-125.227	-4.783642365	7386.7954	5918.86	21.9217037	-1467.9354	-5.43679778
SFA11	27520	-194.761	2023-02-22 00:00:00	2023	February	2023Febru	0.136851	2	268	0.85251	54248	63843	54426.8	0.024793	9385.271	232.6903	9416.204	233.4572	-30.9329	-0.766923715	7448.336958	7547.63	28.16279851	99.29304224	0.370496426
SFA11	40800	-703.386	2023-03-23 00:00:00	2023	March	2023Marc	0.141357	2	287	0.91787	89360	98690	90584.59	0.029392	7996.103	235.0238	8105.41	238.2366	-109.307	-3.212770191	12804.79311	13490.07	47.00372822	685.2768936	2.387724368
SFA11	57120	-1043.36	2023-04-24 00:00:00	2023	April	2023April	0.140641	2	285	0.91384	125907	139950	127891.9	0.029423	11870.95	349.2767	12058.09	354.783	-187.144	-5.506303301	17986.8842	17844.99	62.614	-141.8942006	-0.49787439
SFA11	51680	-978.623	2023-05-23 00:00:00	2023	May	2023May	0.141753	2	297	0.94423	117757	126694	119628.3	0.033734	6955.199	234.6291	7065.724	238.3576	-110.525	-3.728489327	16957.70284	20388.43	68.64791246	3430.727158	11.55126989
SFA11	59200	-1238.06	2023-06-23 00:00:00	2023	June	2023June	0.173284	2	293	0.85197	121975	145428	123900.3	0.028768	21193.19	609.6779	21527.71	619.3012	-334.52	-9.623354392	21469.97557	20899.1	71.32798635	-570.87557	-1.94838079
SFA11	60160	-1408.22	2023-07-25 00:00:00	2023	July	2023July	0.171486	2	327	0.9483	138183	148352	140682.2	0.03902	7533.545	293.9617	7669.798	299.2784	-136.253	-5.316642726	24125.07023	20004.65	61.17629969	-4120.420228	-12.6006735
SFA11	55520	-1103.81	2023-08-23 00:00:00	2023	August	2023Augu	0.164087	2	323	0.93581	125081	136087	127351.6	0.037462	8579.679	321.4104	8735.425	327.2449	-155.746	-5.834512078	20896.77617	15405.86	47.69616099	-5490.91617	-16.9997405
SFA14		0	2021-10-25 00:00:00	2021	October	2021Octo	0.137728	10	592	0.98351	69490	72311	71118.59	0.06502	1165.103	75.7548	1192.408	77.53021	-27.3057	-1.775415547	9795.014273	8943.65	15.10751689	-851.3642734	-1.43811533
SFA14		0	2021-11-22 00:00:00	2021	Novembe	2021Nove	0.12856	13	585	0.97182	70411	71608	69590.09	0.073543	2041.718	150.1533	2017.913	148.4027	23.80414	1.750619619	8946.508487	8935.1	15.27367521	-11.40848716	-0.01950169
SFA14		0	2021-12-22 00:00:00	2021	December	2021Dece	0.128986	13	590	0.98017	68083	70018	68629.54	0.042335	1377.4	58.31214	1388.457	58.78025	-11.0572	-0.4681065	8852.277693	9210.76	15.61145763	358.482307	0.607597131
SFA14	0	-2953.5	2022-01-26 00:00:00	2022	January	2022Janu	0.133085	13	588	0.97683	59078	61738	60307.53	0.082231	1401.306	115.2305	1430.469	117.6286	-29.164	-2.398174585	8026.051825	7723.43	13.13508503	-302.6218249	-0.51466297
SFA14	0	-12386.3	2022-02-23 00:00:00	2022	February	2022Febru	0.134028	13	582	0.96687	106530	125207	121058.9	0.044644	3650.272	162.9638	4148.108	185.1893	-497.835	-22.22550926	16225.29329	13313.38	22.87522337	-2911.913295	-5.00328745
SFA14	0	-16250.3	2022-03-23 00:00:00	2022	March	2022Marc	0.125924	13	594	0.98085	153298	166924	163727.4	0.045844	2992.972	137.2102	3196.595	146.5451	-203.622	-9.334892776	20617.22617	18873.12	31.77292929	-1744.10617	-2.93620567
SFA14	0	-24207.7	2022-04-25 00:00:00	2022	April	2022April	0.121644	13	593	0.94	207103	245986	231226.8	0.067384	13219.34	890.7745	14759.16	994.5339	-1539.82	-103.759484	28127.3346	24718.85	41.68440135	-3408.484602	-5.74786611
SFA14	0	-22207.2	2022-05-24 00:00:00	2022	May	2022May	0.119584	13	585	0.9271	189819	228964	212272.5	0.081702	14925.9	1219.475	16691.48	1363.726	-1765.57	-144.2506388	25384.29142	26383.04	45.09921368	998.7485784	1.707262527
SFA14	0	-21549.8	2022-06-23 00:00:00	2022	June	2022June	0.141656	13	584	0.92543	233286	271313	251081.2	0.097057	18797.9	1824.461	20231.81	1963.632	-1433.91	-139.1709002	35567.23232	33521.88	57.40047945	-2045.352317	-3.50231561
SFA14	19280	-2446.97	2022-07-25 00:00:00	2022	July	2022July	0.142012	13	579	0.919	259728	284335	261303.9	0.095642	22892.24	2189.469	23031.14	2202.753	-138.896	-13.28431096	37108.23222	35229.68	60.84573402	-1878.552216	-3.24447706
SFA14	18080	-107.58	2022-08-23 00:00:00	2022	August	2022Augu	0.135745	13	572	0.90853	209979	235102	213597.2	0.117366	21140.5	2481.182	21504.78	2523.936	-364.279	-42.75409152	28994.75464	30271.4	52.92202797	1276.645363	2.231897488
SFA14	18080	-177.282	2022-09-26 00:00:00	2022	Septembe	2022Septe	0.144566	13	565	0.90218	217721	242263	218564.8	0.082618	23606.67	1950.343	23698.17	1957.902	-91.4937	-7.559051488	31597.06555	31724.55	56.14964602	127.4844469	0.225636189
SFA14	11520	-45.0175	2022-10-25 00:00:00	2022	October	2022Octo	0.148357	13	559	0.89437	131710	144828	129529.8	0.061665	15555.67	959.2435	15298.18	943.3652	257.4914	15.87825581	19216.68764	18664.07	33.38831843	-552.6176449	-0.98858255
SFA14	11680	-27.3135	2022-11-22 00:00:00	2022	Novembe	2022Nove	0.140534	13	556	0.88926	111258	125713	111791.5	0.052789	13855.02	731.3873	13921.46	734.8947	-66.4423	-3.507398197	15710.54056	15618.59	28.09098921	-91.95056472	-0.16537871
SFA14	8160	-58.6361	2022-12-22 00:00:00	2022	December	2022Dece	0.140226	13	549	0.88155	71803	81895	72194.54	0.137065	9647.854	1322.383	9700.463	1329.594	-52.6091	-7.210871021	10123.56923	10737.22	19.55777778	613.6507709	1.117760967
SFA14	9840	13.73757	2023-01-25 00:00:00	2023	January	2023Janu	0.147203	13	607	0.97477	96287	99160	96658.19	0.0382	2492.199	95.20147	2501.807	95.56847	-9.6076	-0.36700839	14228.35185	12824.24	21.12724876	-1404.111849	-2.31319909
SFA14	10960	-70.9582	2023-02-22 00:00:00	2023	February	2023Febru	0.136851	13	603	0.96809	111280	115010	111340	0.024793	3667.99	90.94098	3669.969	90.99004	-1.97873	-0.049058851	15236.94447	15630.14	25.92063018	393.1955343	0.652065563
SFA14	17440	-80.0491	2023-03-23 00:00:00	2023	March	2023Marc	0.141357	13	596	0.9564	169518	178241	170469.7	0.029392	7727.922	227.1413	7771.308	228.4165	-43.3854	-1.275196059	24097.13545	24144.19	40.51038591	47.05455051	0.078950588
SFA14	24320	-208.693	2023-04-24 00:00:00	2023	April	2023April	0.140641	13	590	0.94676	240340	248471	235242.4	0.029423	13515.25	397.6568	13228.6	389.2225	286.6577	8.434275516	33084.79751	34112.14	57.81718644	1027.342492	1.741258461
SFA14	22240	-151.363	2023-05-23 00:00:00	2023	May	2023May	0.141753	13	608	0.97002	223626	233633	226628.7	0.033734	6911.515	233.1554	7004.317	236.2861	-92.8026	-3.130636691	32125.36364	38600.67	63.48794408	6475.306358	10.65017493
SFA14	25200	-269.348	2023-06-23 00:00:00	2023	June	2023June	0.173284	13	603	0.96181	257393	269295	259010.6	0.028768	10220.15	294.0094	10284.38	295.8572	-64.23	-1.847745331	44882.47466	43878.36	72.76676617	-1004.114664	-1.66519845
SFA14	25760	-216.519	2023-07-25 00:00:00	2023	July	2023July	0.171486	13	594	0.94678	250011	267875	253618.7	0.03902	14053.51	548.3733	14256.31	556.2864	-202.794	-7.913100889	43492.13119	39846.15	67.08106061	-3645.981188	-6.13801547
SFA14	23280	-220.201	2023-08-23 00:00:00	2023	August	2023Augu	0.164087	13	596	0.95212	229147	239455	227989.9	0.037462	11523.29	431.6836	11465.11	429.5037	58.18826	2.179838314	37410.24623	8720.03	14.63092282	-28690.21623	-48.1379467
SFA16	4880	-10206.1	2022-03-23 00:00:00	2022	March	2022Marc	0.125924	2	205	0.5989	61175	16107	9646.482	0.045844	40970.6	1878.261	6460.518	296.1767	34510.08	1582.084228	1214.724602	7807.66	38.08614634	6592.935398	32.16066048
SFA16	7200	1217.759	2022-04-25 00:00:00	2022	April	2022April	0.121644	3	204	0.50292	78418	150814	75847.38	0.067384	77507.4	5222.773	74966.62	5051.565	2540.773	171.2078838	9226.370728	9326.46	45.71794118	100.0892715	0.490633684
SFA16	7120	745.3203	2022-05-24 00:00:00	2022	May	2022May	0.119584	3	211	0.52236	78550	150883	78815.24	0.081702	71825.22	5868.259	72067.76	5888.074	-242.536	-19.81565476	9425.002717	10263.04	48.64	838.0372835	3.97174068
SFA16	8320	924.0605	2022-06-23 00:00:00	2022	June	2022June	0.141656	3	234	0.58197	104537	180778	105207.4	0.097057	75089.1	7287.895	75570.63	7334.631	-481.53	-46.73566152	14903.28714	15709.9	67.13632479	806.6128563	3.447063488
SFA16	9200	491.0781	2022-07-25 00:00:00	2022	July	2022July	0.142012	3	246	0.61381	122980	201499	123682.1	0.095642	77375.16	7400.347	77816.9	7442.596	-441.74	-42.24908318	17564.31782	16692.4	67.85528455	-871.9178178	-3.54438137
SFA16	7680	551.1211	2022-08-23 00:00:00	2022	August	2022Augu	0.135745	3	256	0.63847	104983	165220	105488	0.117366	59446.03	6976.958	59731.99	7010.52	-285.961	-33.56217102	14319.47038	15177.54	59.28726563	858.069621	3.351834457
SFA16	7760	368.1914	2022-09-26 00:00:00	2022	Septembe	2022Septe	0.144566	3	256	0.64444	105949	165223	106476.3	0.082618	58455.75	4829.514	58746.69	4853.551	-290.935	-24.03657998	15392.8649	14522.01	56.72660156	-870.8548964	-3.40177694
SFA16	3840	-650.492	2022-10-25 00:00:00	2022	October	2022Octo	0.148357	3	267	0.67245	62513	93995	63206.94	0.061665	30450.05	1877.708	30788.06	1898.552	-338.017	-20.84386153	9377.207466	9304.71	34.84910112	-72.49746551	-0.27152609
SFA16	2640	-995.242	2022-11-22 00:00:00	2022	Novembe	2022Nove	0.140534	3	274	0.69755	52963	76822	53587.19	0.052789	22964.17	1212.247	23234.81	1226.534	-270.64	-14.28672647	7530.835008	7532.73	27.49171533	1.894991826	0.006916029
SFA16	2400	55.0625	2022-12-22 00:00:00	2022	December	2022Dece	0.140226	3	283	0.72185	38494	54347	39230.38	0.137065	14832.87	2033.067	15116.62	2071.959	-283.75	-38.89213317	5501.129347	6132.85	21.67084806	631.7206531	2.232228456
SFA16	2800	27.64063	2023-01-25 00:00:00	2023	January	2023Janu	0.147203	3	281	0.71788	46798	66070	47430.33	0.0382	18391.17	702.5386	18639.67	712.0313	-248.5	-9.492657054	6981.875245	5950.76	21.17708185	-1031.115245	-3.66944927
SFA16	3360	157.4531	2023-02-22 00:00:00	2023	February	2023Febru	0.136851	3	278	0.70978	52295	74443	52838.15	0.024793	21382.76	530.1456	21604.85	535.6519	-222.088	-5.506261591	7230.930236	7316.3	26.3176259	85.36976392	0.307085482
SFA16	5440	799.7266	2023-03-23 00:00:00	2023	March	2023Marc	0.141357	3	331	0.85211	96888	114309	97403.84	0.029392	16815.63	494.2499	16905.16	496.8813	-89.5282	-2.631438817	13768.74411	14145.76	42.73643505	377.0158867	1.139020806
SFA16	7760	953.8828	2023-04-24 00:00:00	2023	April	2023April	0.140641	3	325	0.83744	135237	162501	136084.8	0.029423	26251.58	772.3955	26416.16	777.2379	-164.578	-4.842356969	19139.14845	19136.85	58.88261538	-2.29844785	-0.00707215
SFA16	2560	-3660.13	2023-05-23 00:00:00	2023	May	2023May	0.141753	3	321	0.79614	113509	143517	114259.6	0.033734	29065.17	980.4945	29257.38	986.9784	-192.205	-6.483918338	16196.67881	19603.89	61.07130841	3407.211187	10.61436507
SFA16	0	-7178.67	2023-06-23 00:00:00	2023	June	2023June	0.173284	3	368	0.9066	148093	164028	148707.8	0.028768	15256.88	438.9043	15320.22	440.7264	-63.3365	-1.822042311	25768.72439	25377.8	68.96141304	-390.9243936	-1.06229455
SFA16	3600	-3753.23	2023-07-25 00:00:00	2023	July	2023July	0.171486	3	366	0.90136	147228	164323	148114.2	0.03902	16111.84	628.6901	16208.82	632.4742	-96.9787	-3.784144989	25399.55258	22501.38	61.47918033	-2898.172582	-7.91850432
SFA16	6800	-56.3125	2023-08-23 00:00:00	2023	August	2023Augu	0.164087	3	384	0.94971	144244	152676	144997.9	0.037462	7638.153	286.1392	7678.076	287.6347	-39.9225	-1.495571146	23792.31785	16527.42	43.04015625	-7264.897848	-18.9190048
SFA18	1040	-152.646	2021-09-24 00:00:00	2021	Septembe	2021Septe	0.13778	5	233	0.94691	23088	29022	27481.22	0.050001	1294.465	64.72476	1540.778	77.04069	-246.313	-12.31593119	3786.362495	2980.7	12.79270386	-805.6624951	-3.45777895
SFA18	21280	-3137.19	2021-10-25 00:00:00	2021	October	2021Octo	0.137728	5	228	0.92661	65274	61008	56530.62	0.06502	5169.876	336.1446	4477.377	291.1184	692.4989	45.0261761	7785.843975	8360.82	36.67026316	574.976025	2.521824671
SFA18	15600	-1397.26	2021-11-22 00:00:00	2021	Novembe	2021Nove	0.12856	5	225	0.91443	46398	42446	38813.9	0.073543	4341.805	319.3079	3632.104	267.1146	709.7009	52.19328451	4989.918323	5902.66	26.23404444	912.7416771	4.056629676
SFA18	13040	-1093.72	2021-12-22 00:00:00	2021	December	2021Dece	0.128986	5	237	0.96315	42702	35805	34485.59	0.042335	1633.773	69.1657	1319.414	55.85733	314.359	13.30837009	4448.171558	5686.44	23.99341772	1238.268442	5.22476136
SFA18	10080	-617.076	2022-01-26 00:00:00	2022	January	2022Janu	0.133085	5	235	0.95503	32698	26675	25475.43	0.082231	1539.668	126.6081	1199.575	98.64197	340.0932	27.96612855	3390.40716	4325.1	18.40468085	934.6928404	3.977416342
SFA18	8080	-9658.12	2022-02-23 00:00:00	2022	February	2022Febru	0.134028	5	229	0.93067	38282	44571	41480.89	0.044644	2851.807	127.3169	3090.107	137.9556	-238.301	-10.63876002	5559.605217	4792.53	20.9280786	-767.0752175	-3.34967344
SFA18	31840	7272.463	2022-03-23 00:00:00	2022	March	2022Marc	0.125924	5	241	0.96795	80822	57900	56044.31	0.045844	2676.115	122.6841	1855.695	85.0727	820.4196	37.61141003	7057.328667	9834.54	40.80721992	2777.211333	11.52369848
SFA18	33760	-2066.58	2022-04-25 00:00:00	2022	April	2022April	0.121644	5	239	0.83525	89059	87490	73076.02	0.067384	17566.56	1183.708	14413.98	971.2741	3152.584	212.4342776	8889.252373	10557.83	44.17502092	1668.577627	6.981496346
SFA18	30800	-2023.31	2022-05-24 00:00:00	2022	May	2022May	0.119584	5	235	0.82102	73944	80554	66136.45	0.081702	16119.58	1317.001	14417.55	1177.942	1702.025	139.0586771	7908.82758	10337.06	43.98748936	2428.23242	10.33290391
SFA18	38160	-1934.71	2022-06-23 00:00:00	2022	June	2022June	0.141656	5	233	0.81411	92643	98412	80118.19	0.097057	21153.66	2053.103	18293.81	1775.535	2859.855	277.5678857	11349.24683	13187.47	56.59858369	1838.223172	7.889369835
SFA18	41760	-1508.59	2022-07-25 00:00:00	2022	July	2022July	0.142012	5	231	0.80687	99856	106147	85646.83	0.095642	23901.23	2285.972	20500.17	1960.686	3401.065	325.2860218	12162.86048	13557	58.68831169	1394.139523	6.03523603
SFA18	34560	-1248.37	2022-08-23 00:00:00	2022	August	2022Augu	0.135745	5	228	0.79601	81794	88074	70107.78	0.117366	20960.99	2460.113	17966.22	2108.628	2994.775	351.4855982	9516.78124	11772.52	51.63385965	2255.73876	9.893591055
SFA18	34960	-1155.75	2022-09-26 00:00:00	2022	Septembe	2022Septe	0.144566	5	226	0.79675	82524	89887	71617.47	0.082618	21051.78	1739.262	18269.53	1509.397	2782.244	229.8642064	10353.45793	12019.04	53.18159292	1665.582068	7.369832158
SFA18	20480	-602.01	2022-10-25 00:00:00	2022	October	2022Octo	0.148357	5	224	0.78962	50393	53032	41875.13	0.061665	13426.31	827.9357	11156.87	687.9906	2269.433	139.9450329	6212.47881	7062.37	31.5284375	849.8911903	3.794157099
SFA18	16640	-229.837	2022-11-22 00:00:00	2022	Novembe	2022Nove	0.140534	5	219	0.76031	41371	42002	31934.54	0.052789	13042.33	688.4868	10067.46	531.4474	2974.872	157.0394186	4487.896715	5812.15	26.53949772	1324.253285	6.046818652
SFA18	11120	-206.889	2022-12-22 00:00:00	2022	December	2022Dece	0.140226	5	217	0.75667	27996	29197	22092.49	0.137065	9002.956	1233.99	7104.506	973.779	1898.45	260.2110147	3097.947585	4163.43	19.18631336	1065.482415	4.91005721
SFA18	13440	-147.103	2023-01-25 00:00:00	2023	January	2023Janu	0.147203	5	214	0.74581	32952	34733	25904.22	0.0382	11230.83	429.0154	8828.781	337.2575	2402.054	91.75792006	3813.172234	4486.61	20.96546729	673.4377663	3.14690545
SFA18	15600	-355.754	2023-02-22 00:00:00	2023	February	2023Febru	0.136851	5	214	0.74581	34412	40100	29906.98	0.024793	11728.44	290.7847	10193.02	252.7169	1535.419	38.0678484	4092.786799	4829.65	22.56845794	736.8632013	3.443285987
SFA18	25040	-594.763	2023-03-23 00:00:00	2023	March	2023Marc	0.141357	5	211	0.734	58602	63677	46738.92	0.029392	21237.24	624.2111	16938.08	497.849	4299.155	126.3620165	6606.887253	8235.74	39.03194313	1628.852747	7.719681264
SFA18	36160	-1017	2023-04-24 00:00:00	2023	April	2023April	0.140641	5	211	0.73131	79387	91448	66876.84	0.029423	29167.51	858.1903	24571.16	722.9528	4596.349	135.2375159	9405.645279	11182.52	52.99772512	1776.874721	8.42120721
SFA18	34560	-625.274	2023-05-23 00:00:00	2023	May	2023May	0.141753	5	262	0.91632	93396	86401	79170.96	0.033734	8529.092	287.7233	7230.036	243.9005	1299.056	43.82280427	11222.74546	16230.04	61.94671756	5007.294543	19.11181123
SFA18	39520	-956.851	2023-06-23 00:00:00	2023	June	2023June	0.173284	5	250	0.87223	101919	99756	87010.18	0.028768	14929.77	429.4941	12745.82	366.6672	2183.943	62.82687248	15077.49742	17458.28	69.83312	2380.78258	9.523130319
SFA18	39440	-634.122	2023-07-25 00:00:00	2023	July	2023July	0.171486	5	248	0.86762	98745	96908	84079.32	0.03902	15066.35	587.8944	12828.68	500.5799	2237.665	87.31451617	14418.45131	15808.15	63.74254032	1389.698685	5.60362373
SFA18	36080	-596.89	2023-08-23 00:00:00	2023	August	2023Augu	0.164087	5	242	0.8459	89718	90162	76268.04	0.037462	16344.18	612.2829	13893.96	520.4932	2450.218	91.78963644	12514.61607	4410.74	18.22619835	-8103.876071	-33.4870912
SFA22		-509	2022-06-23 00:00:00	2022	June	2022June	0.141656	10				560	0	0.097057											
SFA22		0	2022-07-25 00:00:00	2022	July	2022July	0.142012	10				56	0	0.095642											
SFA22		0	2022-08-23 00:00:00	2022	August	2022Augu	0.135745	10	4	1	32264	32181	32181	0.117366	0	0	0	0	0	0	4368.409845	4664.32	1166.08	295.910155	73.97753875
SFA22		0	2022-09-26 00:00:00	2022	Septembe	2022Septe	0.144566	10	4	0.00516	252	50006	258.031	0.082618	48585.21	4014.027	49747.97	4110.092	-1162.76	-96.06521191	37.30252957	37.4	9.35	0.097470434	0.024367608
SFA22		0	2022-10-25 00:00:00	2022	October	2022Octo	0.148357	10	4	0.00516	240	44876	231.5602	0.061665	46271.63	2853.349	44644.44	2753.008	1627.188	100.3408581	34.35362855	33.76	8.44	-0.593628547	-0.14840714
SFA22		0	2022-11-22 00:00:00	2022	Novembe	2022Nove	0.140534	12	4	0.00516	192	39438	203.5001	0.052789	37017.3	1954.093	39234.5	2071.135	-2217.2	-117.0428234	28.59873112	26.92	6.73	-1.678731118	-0.41968278
SFA22		0	2022-12-22 00:00:00	2022	December	2022Dece	0.140226	12	4	0.00516	148	28185	145.4346	0.137065	28534.17	3911.036	28039.57	3843.243	494.6051	67.79304695	20.39374858	21	5.25	0.606251422	0.151562855
SFA22	2000	-126	2023-01-25 00:00:00	2023	January	2023Janu	0.147203	12	4	0.0572	3140	46018	2632.23	0.0382	51755.1	1977.034	43385.77	1657.327	8369.334	319.7067532	387.4714358	429.68	107.42	42.20856425	10.55214106
SFA22	4000	-1143	2023-02-22 00:00:00	2023	February	2023Febru	0.136851	12	4	0.0572	4648	63710	3644.212	0.024793	76610.74	1899.42	60065.79	1489.219	16544.95	410.2012597	498.7124165	657.04	164.26	158.3275835	39.58189587
SFA22	2800	-1781	2023-03-23 00:00:00	2023	March	2023Marc	0.141357	12	4	0.0572	7768	120033	6865.888	0.029392	128036.2	3763.277	113167.1	3326.241	14869.08	437.0364263	970.5433332	1091.32	272.83	120.7766668	30.19416669
SFA22	1120	739	2023-04-24 00:00:00	2023	April	2023April	0.140641	12	4	0.0572	10776	154826	8856.047	0.029423	177615.6	5225.951	145970	4294.847	31645.66	931.10427	1245.525991	1527.52	381.88	281.9940089	70.49850223
SFA22	4880	-1145	2023-05-23 00:00:00	2023	May	2023May	0.141753	12	4	0.01644	3220	166717	2740.827	0.033734	192643.7	6498.711	163976.2	5531.629	28667.57	967.0818751	388.52134	558	139.5	169.47866	42.36966499
SFA22	9920	-2503	2023-06-23 00:00:00	2023	June	2023June	0.173284	13	4	0.01644	3864	215528	3543.28	0.028768	231172.5	6650.286	211984.7	6098.299	19187.78	551.9869749	613.99485	662.6	165.65	48.60515005	12.15128751
SFA22	9760	-2539	2023-07-25 00:00:00	2023	July	2023July	0.171486	14	4	0.01644	4100	239970	3945.107	0.03902	245291.7	9571.374	236024.9	9209.779	9266.834	361.5953121	676.5317682	615.64	153.91	-60.89176824	-15.2229421
SFA22	9120	-2226	2023-08-23 00:00:00	2023	August	2023Augu	0.164087	15	4	0.01644	3556	213982	3517.864	0.037462	212745.7	7969.842	210464.1	7884.37	2281.567	85.47166822	577.2368187	609.48	152.37	32.24318135	8.060795336

CERTIFICATE OF SERVICE

I hereby certify on this 24th day of September 2025, that I caused true and correct copies of the District of Columbia Government's Response to Commissioner Beverly's Inquiry o be emailed to the following:

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