

AEP OHIO EXHIBIT NO. _____

BEFORE
THE PUBLIC UTILITIES COMMISSION OF OHIO

In the Matter of the Application of)
Ohio Power Company for Authority to) Case No. 23-23-EL-SSO
Establish a Standard Service Offer)
Pursuant to §4928.143, Ohio Rev. Code,)
in the Form of an Electric Security Plan.)

In the Matter of the Application of)
Ohio Power Company for Approval of) Case No. 23-24-EL-AAM
Certain Accounting Authority)

DIRECT TESTIMONY OF
CURTIS M. HEITKAMP
ON BEHALF OF
OHIO POWER COMPANY

Filed: January 6, 2023

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CURTIS M. HEITKAMP

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ON BEHALF OF
OHIO POWER COMPANY

1 **I. PERSONAL BACKGROUND**

2 **Q1. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.**

3 A. My name is Curtis M. Heitkamp. My business address is 700 Morrison Road, Gahanna
4 Ohio 43230.

5 **Q2. BY WHOM ARE YOU EMPLOYED AND WHAT IS YOUR POSITION?**

6 A. I am employed by Ohio Power Company (“AEP Ohio” or “the Company”) as a Regulatory
7 Case Manager.

8 **Q3. PLEASE DESCRIBE YOUR EDUCATIONAL AND PROFESSIONAL**
9 **BACKGROUND.**

10 A. I received a Bachelor of Science degree in Business Administration in 2012, with an
11 Accounting focus, as well as a Master of Accountancy in 2013, both from Bowling Green
12 State University. I began my career as an External Auditor for Plante Moran. In October
13 2015, I joined American Electric Power Service Corporation (“AEPSC”) as an Audit
14 Consultant in the Audit Services Department. In January 2019, I accepted the position of
15 Regulatory Consultant, Senior in the AEP Ohio Regulatory Services Department. I was
16 promoted to my current position of Regulatory Case Manager in March 2022.

17 **Q4. WHAT ARE YOUR RESPONSIBILITIES AS REGULATORY CASE MANAGER?**

18 A. My responsibilities include the preparation and presentation of regulatory and pricing
19 matters to management as well as regulatory bodies. I help develop and support pricing

1 structures, riders and true-up filings, maintenance of tariffs, Ohio Administrative Code
2 compliance, and other regulatory and pricing initiatives.

3 **II. PURPOSE OF TESTIMONY**

4 **Q5. WHAT IS THE PURPOSE OF YOUR TESTIMONY?**

5 A. The purpose of my testimony is to summarize the Company's requested rate changes for
6 certain existing riders and the Company's proposed riders. Company witness Mayhan
7 provides additional details on the modifications to existing riders and the Company's
8 proposed riders. I support the revenue requirements and rate calculations associated with
9 these riders, including future true-ups. I also support the modifications and additions to the
10 Company's tariffs, including discussing the rate design for the Company's proposed
11 Electric Vehicle ("EV") Program tariffs. Lastly, I provide the resulting rate impacts of the
12 Company's ESP V proposal on AEP Ohio customers.

13 **Q6. ARE YOU SPONSORING ANY EXHIBITS IN THIS PROCEEDING?**

14 A. Yes. I am sponsoring the following exhibits:

- 15 • Exhibit CMH-1 Summary of Proposed ESP V Rate Changes for Standard
16 Service Offer ("SSO") Residential Customers
- 17 • Exhibit CMH-2 Proposed Rider Revenue Requirements and Rate
18 Calculations
- 19 • Exhibit CMH-3 SSO Customer Typical Bill Comparison
- 20 • Exhibit CMH-4 Proposed Electric Vehicle Rate Calculations
- 21 • Exhibit CMH-5 Redlined Tariffs

1 **III. REQUESTED RATE CHANGES**

2 **Q7. HAVE YOU PREPARED A SUMMARY OF AEP OHIO’S REQUESTED RATE**
3 **CHANGES FOR SSO RESIDENTIAL CUSTOMERS UNDER THIS PROPOSED**
4 **ESP?**

5 A. Yes. Exhibit CMH-1 summarizes the impact of various components of AEP Ohio’s request
6 based upon the information provided to me by Company witnesses. Since AEP Ohio’s
7 actual rates in effect at the time of implementation are not yet known, current rates adjusted
8 for known changes through May 2024 were used to provide a comparison to the proposed
9 ESP rates.

10 **Q8. IS THE COMPANY REQUESTING TO MODIFY ANY OF THE EXISTING**
11 **RIDERS CONTINUING IN THE PROPOSED ESP?**

12 A. Yes. As supported by Company witness Mayhan, AEP Ohio is proposing to modify the
13 Distribution Investment Rider (“DIR”), Enhanced Service Reliability Rider (“ESRR”), and
14 Smart City Rider. Company witness Mayhan also discusses certain revisions the Company
15 is proposing that will impact the Economic Development Rider (“EDR”) and Bad Debt
16 Rider (“BDR”). The revisions the Company is proposing to the BDR do not presently
17 impact the revenue requirement and rate design, as such it is not necessary to include
18 the BDR in Exhibits CMH-2.

19 **Q9. IS THE COMPANY PROPOSING TO MODIFY/ ADD ANY TARIFFS IN THIS**
20 **PROCEEDING?**

21 A. Yes, the Company is proposing to modify the existing DIR, ESRR, Smart City Rider,
22 Interruptible Power – Discretionary Expanded Schedule (RIDER IRP-E), and Interruptible
23 Power – Discretionary Legacy (Schedule RIDER IRP-L) tariffs to reflect the modifications

discussed by Company witness Mayhan. As I discuss later in my testimony, the Company is also proposing to include the following new tariffs: Residential Plug-in Electric Vehicle (Schedule RS-PEV), Public Transit & School Bus Plug-in Electric Vehicle (Schedule BUS-PEV), Residential Senior Citizen tariff (Schedule RS-SC), Customer Experience Rider, Energy Efficiency Rider, Government Aggregation Standby Rider, Ohio First Rider, and the Rural Access Rider. Lastly, the Basic Transmission Cost Rider, Generation Energy Rider, and Generation Capacity Rider tariffs were updated to reflect the addition of Schedules, RS-SC, RS-PEV, and BUS-PEV. Other than the tariff sheets identified above, the Company has provided redlined tariff sheets for all other riders the Company is proposing to continue without modifications.

IV. PROPOSAL OF NEW COMPANY RIDERS

Q10. IS THE COMPANY PROPOSING ANY NEW RIDERS?

A. Yes. The Company is proposing the Customer Experience Rider (“CER”), Energy Efficiency Rider (“EE Rider”), Rural Access Rider (“RAR”), Government Aggregation Standby Rider (“GASR”), and Ohio First Rider (“OFR”). See Company witness Mayhan’s testimony for details regarding the OFR and the GASR; spend is not known at this time for these riders, as such a revenue requirement and associated rate design for these riders have not been prepared.

Q11. PLEASE EXPLAIN THE CER.

A. The CER is designed to recover costs associated with customer experience upgrades the Company proposed as part of this filing. Specifically, as discussed by Company witness Schafer, the CER will recover the capital and on-going Operations and Maintenance (“O&M”) expenses related to the Company’s proposed Advanced Distribution

1 Management System (“ADMS”). The CER will also recover the capital and incremental
2 O&M costs related to the deployment of the Company’s proposed Customer Information
3 System (“CIS”), as supported by Company witness Gabbard. Additionally, as supported
4 by Company witness Rybalt, the rider will recover the O&M costs of the Economic
5 Development Plan as well as the incremental O&M costs, above the amount set in base
6 rates, related to the Reliability and Infrastructure Communication Plan (“RICP”). Lastly,
7 the rider will recover the capital and O&M costs related to the Customer Grid Resiliency
8 pilot program (capped at \$15M), as supported by Company witness Garrett.

9 **Q12. HOW IS THE COMPANY PROPOSING TO CALCULATE THE REVENUE**
10 **REQUIREMENT AND RESULTING CUSTOMER RATES FOR THE CER?**

11 A. The revenue requirement for this rider will be calculated utilizing the annual capital, with
12 applicable AFUDC costs, and O&M forecast costs provided by Company witnesses
13 Schafer, Gabbard, and Rybalt. Utilizing the capital information, I developed depreciation
14 schedules based on useful life and depreciation rates established by plant accounting to
15 compute the depreciation expense carrying charges. Finance expense and property tax
16 expense capital carrying charges were also computed utilizing a pre-tax weighted average
17 cost of capital (“WACC”) of 9.40%, provided by Company witness Minton, and a property
18 tax rate of 5.04%. These capital carrying charges are added to the forecasted O&M costs
19 to compute a total revenue requirement, which is then grossed-up for the Commercial
20 Activities Tax (“CAT”).

21 The total revenue requirement for the CER is allocated between Residential and
22 Non-residential customers based on each group’s proportional share of total Company base
23 distribution revenues; each group’s share of the revenue requirement will then be divided

1 by the number of customers in that group to yield a monthly customer charge. This rate
2 design methodology is appropriate as the rider costs are customer related and not energy
3 dependent, thus not being variable based on energy usage. This is consistent with the
4 methods the Company uses to calculate other customer experience related rider rates such
5 as the Smart City and gridSMART riders. I have prepared estimated bill impacts applying
6 this methodology to the capital and O&M costs set forth in the testimony of Company
7 witnesses Schafer, Gabbard, and Rybalt. The revenue requirement calculation and
8 resulting rider rates are reflected in Exhibit CMH-2.

9 The Customer Grid Resiliency pilot program requires customer participation and,
10 as such, a detailed projected plan is not currently available nor are the pilot costs reflected
11 in the CER revenue requirement and associated rate design since the timing of the spend is
12 not known at this time. The costs of the program, as well as potential net revenues discussed
13 by Company witness Garrett, will be included in future CER filings once this pilot is up
14 and running and the costs of the project will be subject to review as part of the annual audit
15 of the CER.

16 **Q13. HOW WILL THE COMPANY ADMINISTER THE CER?**

17 A. The rider will be updated quarterly and subject to annual audits. The quarterly filings will
18 include for recovery actual O&M expenses as well as capital carrying costs (depreciation,
19 finance, and property tax expenses) on in-service CER assets. The quarterly filings will
20 also include a reconciliation of over/under collections of prior period CER costs and
21 revenues. These costs will be grossed-up for the CAT.

22 **Q14. PLEASE EXPLAIN THE EE RIDER.**

1 A. As supported by Company witness Billing, the EE Rider will recover the O&M costs of
2 the Energy Efficiency Plan. The revenue requirement for this rider is calculated using
3 forecasted program costs for Residential and Non-residential customers, plus associated
4 lost revenues and administrative program costs, as provided by Company witness Billing.
5 The Company did not include any level of lost revenues in the projected revenue
6 requirement calculation because the level of C&I customer participation, and associated
7 lost revenues, is not known at this time; once the program is up and running, these revenues
8 will be included in the calculation of future revenue requirements. Furthermore, as
9 discussed by Company witness Billing, the Company is proposing a sliding scale
10 administration fee; for purposes of the revenue requirement calculation, the Company
11 assumed a cost effectiveness of 1.0 and computed administration costs using 10%. These
12 costs are then grossed-up for the CAT. Each group's share of the revenue requirement will
13 be allocated based on their total actual 12-month kWh usage to develop a per kWh charge.
14 For purposes of initial development of the EE rider rates, the Company assumes 100% of
15 non-residential customers will opt-in to the program. Once the program is up and running,
16 the non-residential EE rider rate will be computed utilizing the actual kWh of only
17 participating non-residential customers. I have prepared estimated bill impacts applying
18 this methodology to the capital and O&M costs set forth in the testimony of Company
19 witness Billing. The revenue requirement calculation and resulting rider rates are reflected
20 in Exhibit CMH-2.

21 **Q15. HOW WILL THE COMPANY ADMINISTER THE EE RIDER?**

22 A. The rider will be updated annually, subject to annual audits. The annual filings will include
23 for recovery actual O&M expenses and lost revenues. The annual filing will also include a

1 reconciliation of over/under collections of prior period EE costs and revenues. These costs
2 will be grossed-up for the CAT.

3 **Q16. PLEASE EXPLAIN THE RAR.**

4 A. As discussed by Company witness Osterholt, the RAR will recover the capital, with
5 applicable AFUDC costs, and O&M expenses associated with the Company's proposed
6 new fiber optic cable projects. The RAR revenue requirement is calculated utilizing the
7 forecasted capital and O&M costs associated with the fiber projects as provided by
8 Company witness Osterholt. Utilizing the capital information, I developed depreciation
9 schedules based on useful life and depreciation rates established by plant accounting to
10 compute the depreciation expense carrying charges. Finance expense and property tax
11 expense capital carrying charges were also computed utilizing a pre-tax WACC of 9.40%
12 and a property tax rate of 5.04%. These capital carrying charges are added to the forecasted
13 O&M costs to compute a total revenue requirement, which is then grossed-up for the CAT.

14 The revenue requirement is then allocated between Residential and Non-residential
15 customers based on each group's proportional share of total Company base distribution
16 revenue. Each group's share of the revenue requirement will be divided by the number of
17 customers in that group to yield a monthly customer charge. This rate design methodology
18 is appropriate as the rider costs are customer related and not energy dependent, thus not
19 being variable based on energy usage. This is consistent with the methods the Company
20 uses to calculate other customer related riders such as the gridSMART rider. I have
21 prepared estimated bill impacts applying this methodology to the capital and O&M costs
22 set forth in the testimony of Company witnesses Osterholt. The revenue requirement
23 calculation and resulting rider rates are shown in Exhibit CMH-2.

Q17. HOW WILL ANY FEDERAL GRANTS RECEIVED AND/OR REVENUES FOR PROVIDING FIBER SERVICES TO THIRD PARTIES IMPACT THE RAR?

A. For purposes of rate design and bill impacts, the Company did not assume any level of federal funding or lease payments as the projects are still necessary to serve utility purposes and, at the time of filing, the grants and lease payments (if any) have not been finalized as discussed further by Company witness Osterholt. Any federal grants received by AEP Ohio will be reduced for the cost of applicable taxes and the remaining balance will be used to offset capital costs. Additionally, fiber revenues associated with lease payments for access to fiber will be credited against the cost of fiber that was included in rates.

Q18. HOW WILL THE COMPANY ADMINISTER THE RAR?

A. The rider will be updated quarterly, subject to annual audits. The quarterly filings will include for recovery actual O&M expenses as well as capital carrying costs (depreciation, finance, and property tax expenses) on in-service RAR assets. The quarterly filings will also include a reconciliation of over/under collections of prior period RAR costs and revenues. These costs will be grossed-up for the CAT.

V. IMPLEMENTATION AND CUSTOMER BILL IMPACTS

Q19. WHEN WILL AEP OHIO FILE AND IMPLEMENT THE PROPOSED ESP RATES?

A. Upon approval of the proposed ESP by the Commission, AEP Ohio will file compliance tariffs to be effective for bills rendered with the first billing cycle of the month subsequent to the approval. Exhibit CMH-5 provides the redlines for all modified and new tariffs.

Q20. WHAT IMPACT WILL AEP OHIO'S ESP HAVE ON CUSTOMERS' TOTAL BILLS?

A. Upon implementation, residential customers using 1,000 kWh of electricity per month will see an estimated monthly rate increase of \$8.16. The following figure illustrates the rate changes for select residential, commercial, and industrial customers. The approved May 2024 column reflects current rates adjusted for known changes. The proposed column reflects estimated rates in June 2024.

Figure CMH-1

	SSO Monthly Bills				Tariff	
	Approved May 2024	Proposed June 2024	Change			
Residential						
1,000 kWh	\$	158.58	\$	166.74	5.2%	RS
2,000 kWh	\$	302.80	\$	316.37	4.5%	RS
Small Business						
500 KW demand and 100,000 kWh	\$	15,936.50	\$	16,506.75	3.6%	GS Secondary
1,000 KW demand and 300,000 kWh	\$	38,434.55	\$	39,566.62	3.0%	GS Primary
Industrial Business						
20,000 KW demand and 10,000,000 kWh	\$	881,544.85	\$	889,671.74	0.9%	GS Transmission
20,000 KW demand and 13,000,000 kWh	\$	1,092,827.95	\$	1,103,241.14	1.0%	GS Transmission

In addition, Exhibit CMH-3 shows the rate changes for SSO customers at various “typical” usage levels for each major tariff schedule.

VI. PROPOSED ELECTRIC VEHICLE (“EV”) PROGRAM TARIFFS

Q21. WHAT TARIFF IS AEP OHIO PROPOSING FOR RESIDENTIAL EV CHARGING?

A. EV charging can have a tremendous impact on the distribution system. AEP Ohio is proposing a new tariff to encourage beneficial residential home charging behavior – schedule RS-PEV. See Exhibit CMH-5 for the full schedule details. Residential customers on the standard RS rate are currently billed volumetrically, with relatively small customer charges. As a result, they have no incentive to alter their EV charging behavior to benefit all customers. AEP Ohio is proposing two options for residential customers to encourage

EV charging during times when the electric system is underutilized – away from system peaks, which enables greater system utilization and drives benefit for all utility customers.

Option 1 – Whole House Service: Under this option, all residential usage will be metered through one, multi-register meter capable of measuring electrical energy consumption during on-peak and off-peak billing periods. Customers participating in this option will be charged two separate rates, an on-peak and off-peak rate in addition to a fixed monthly customer charge. The on-peak time period is defined as 6 A.M. to 11 P.M., while the off-peak billing period is defined as all other hours. The on-peak and off-peak time of use rates were designed to be revenue-neutral. Customers on this schedule will be assessed the same customer charge as those customers on the standard residential schedule –Schedule RS.

Option 2 – Separately metered PEV Time-of-Day: Under this option, participants are required to have an additional meter capable of measuring electrical energy consumption during on-peak and off-peak billing periods to separately measure EV kWh usage. Total residential service usage will be billed at the standard residential schedule monthly rates. A credit equaling 50% of the standard kWh rate will be applied to the customer’s bill for all off-peak EV kWh usage measured at the additional meter. The on-peak time period for this option is again defined as 6 A.M. to 11 P.M., while the off-peak billing period is defined as all other hours.

Q22. HOW IS THE RESIDENTIAL EV TARIFF PROPOSED IN THIS FILING DIFFERENT FROM THE COMPANY’S EXISTING RESIDENTIAL EV AND TIME OF USE (“TOU”) TARIFFS?

A. AEP Ohio's existing Residential EV tariff is limited to 500 customers; the proposed tariff does not limit the number of customers who can participate in the program. Furthermore, the rate structure for the proposed Residential EV tariff (Schedule RS-PEV) is different from the current Residential EV (Schedule PEV) and TOU (Schedule RS-TOU) tariffs. These differences are reflected in Figure CMH-2 below. See Exhibit CMH-4 for the rate design calculation for the proposed Residential EV tariff rates.

Figure CMH-2

Schedule	Customer Charge	Energy Rate (¢/kWh)	Demand Rate (\$/kW)
Schedule RS	\$10	2.63125	N/A
Schedule PEV	\$10	1.31563	On-peak (1) – \$2.14 Off-peak - \$0.00
Schedule RS-TOU (2)	\$10	2.63125	N/A
Schedule RS-PEV (Option 1)	\$10	On-peak (3) -3.05802 Off-peak– 1.31563	N/A
Schedule RS-PEV (Option 2)	\$10	<u>Primary Meter</u> 2.63125 <u>Secondary Meter</u> On-peak (3) – 2.63125 Off-peak – 1.31563	N/A
(1) On-peak period is defined as 6 A.M. to 8 P.M., Monday – Friday. (2) Tariff participants are assessed an on-peak and off-peak GEN-C energy rate, 4.85453 and 0.00000 cents per kWh, respectively. On-peak period is defined as 6 A.M. to 9 A.M., Monday-Friday November through April and 2 P.M. to 6 P.M. May through October. (3) On-peak period is defined as 6 A.M. to 11 P.M.			

As reflected in Figure CMH-2, the Residential EV tariff AEP Ohio is proposing in this filing varies from the existing Residential TOU tariff by providing a greater financial incentive for customers to charge their EV vehicles at their residences during off-peak hours. For purposes of the proposed EV tariff, off-peak hours are defined as 11 P.M. to 6 A.M. This time frame was determined after reviewing the Company's distribution system peaks. Figure CMH-2

1 also shows that the proposed Residential EV tariff differs from the Existing Residential EV
2 tariff by replacing the on-peak demand charge with an on-peak and off-peak energy rate. For
3 proposed Option 1 (Whole House Service), the removal of the demand charge results in
4 greater financial savings for customers who cannot shift the entirety of their household load
5 to off-peak hours. For Option 2 (Separately Metered), customers receive a financial credit for
6 off-peak EV charging that is not currently offered in the existing EV tariff.

7 **Q23. IS AEP OHIO PROPOSING ANY TARIFFS FOR PUBLIC TRANSIT AND**
8 **SCHOOL BUS ELECTRIC VEHICLE CHARGING?**

9 A. AEP Ohio is proposing a new tariff for public transit and school bus customers to
10 encourage EV charging during off-peak periods – Schedule Public Transit & School Bus-
11 PEV. See Exhibit CMH-5 for the full schedule details. This schedule is available to Public
12 Transit and School Bus customers eligible to participate under Schedule GS (General
13 Service) who use plug-in electric vehicles. Customers participating under this schedule
14 will be assessed a flat energy rate rather than the demand and energy rates assessed under
15 the standard GS schedule. These flat energy rates were designed to be revenue neutral and
16 are advantageous to low load factor customers. Participants under this schedule will be
17 assessed the same customer charges as those customers on the standard GS schedule.
18 Furthermore, SSO customers participating under this schedule will receive a time of use
19 GEN-C Rider rate to encourage off-peak EV charging. The on-peak time period is defined
20 as 6 A.M. to 11 P.M., while the off-peak billing period is defined as all other hours. Once
21 again, the GEN-C rider on-peak and off-peak rates were designed to be revenue-neutral.
22 Customers on this tariff will be assessed the Non-Demand Metered Basic Transmission
23 Cost Rider rate. See Exhibit CMH-4 for the rate design calculation for this tariff.

1 **Q24. WHAT IS THE PURPOSE OF THE PROPOSED TARIFFS?**

2 A. The EV tariffs AEP Ohio is proposing seek to encourage off-peak charging at customer
3 homes and bus depots. Every AEP Ohio customer will benefit from the downward rate
4 pressure these program components realize by integrating EV charging during off-peak
5 system periods. Downward rate pressure occurs when increased electricity usage from one or
6 more customers spreads utility system costs over greater kilowatt-hours for all utility
7 customers. Furthermore, encouraging the use of off-peak EV charging will manage system
8 peak demand and encourage peak load management in a way that ensures a cost effective,
9 healthy and reliable grid.

10 **Q25. WHAT TARIFFS ARE AVAILABLE TO CUSTOMERS ELIGIBLE FOR THE**
11 **INCENTIVES THE COMPANY WILL PROVIDE AS PART OF ITS ELECTRIC**
12 **TRANSPORTATION PLAN AS DISCUSSED BY COMPANY WITNESS JAYNES?**

13 A. Figure CMH-3 below shows the standard tariffs available to customers eligible to receive
14 incentives as part of the Company's proposed Electric Transportation Plan. This figure also
15 shows the current EV and TOU tariffs available to these customers as well as the EV tariffs
16 the Company is proposing in this filing.

1

Figure CMH-3

Electric Transportation Plan Program	Standard Tariffs Available	EV/TOU Tariffs Currently Available	Proposed EV Tariffs
Residential Charging	Schedule RS, Schedule RSDM	Schedule RS-TOU*, Schedule PEV- Residential	Schedule RS- PEV (Whole House or Separately Metered)
Multifamily Residential Charging	Schedule RS, Schedule RSDM, Schedule GS-1, Schedule GS	Schedule RS-TOU*, Schedule GS-TOU**, Schedule PEV-Residential, Schedule PEV – Public Charging, Schedule Standard GS with optional TOD for Transmission	N/A
Corridor Charging	Schedule GS-1, Schedule GS	Schedule GS-TOU**, Schedule PEV – Public Charging, Schedule Standard GS with optional TOD for Transmission	N/A
Public Charging	Schedule GS-1, Schedule GS	GS-TOU**, Schedule PEV – Public Charging, Schedule Standard GS with optional TOD for Transmission	N/A
Workplace Charging	Schedule GS-1, Schedule GS	Schedule GS-TOU**, Schedule Standard GS with optional TOD for Transmission	N/A
Fleet Program	Schedule GS-1, Schedule GS	Schedule GS-TOU**, Schedule Standard GS with optional TOD for Transmission	N/A
Research & Development (Electric Mass Transit Pilot)	Schedule GS-1, Schedule GS	Schedule GS-TOU**, Schedule Standard GS with optional TOD for Transmission	Schedule Public Transit and School Bus - PEV
*Tariff is only available for SSO customers ** This tariff can accommodate up to a single port Level 2 charger (customers using less than 10 kW).			

2

3 **Q26. DOES THIS CONCLUDE YOUR PRE-FILED DIRECT TESTIMONY?**

4 A. Yes.

**Summary of Proposed ESP Rate Changes
SSO Residential Customer**

	Current Rates (October 2022)	Projected Rates (May 2024)	Proposed Rates (June 2024)	Proposed Rates (2025)	Proposed Rates (2026)	Proposed Rates (2027)	Proposed Rates (2028)	Proposed Rates (2029)	Proposed Rates (2030)
<u>Riders - New</u>									
CER (\$/Month)	\$ -	\$ -	\$ 0.60	\$ 0.47	\$ 0.76	\$ 0.73	\$ 0.69	\$ 0.73	\$ 1.39
EE (\$/kWh)	\$ -	\$ -	\$ 1.76	\$ 1.76	\$ 1.76	\$ 1.76	\$ 1.76	\$ 1.76	\$ 1.76
RAR (\$/Month)	\$ -	\$ -	\$ 0.18	\$ 0.44	\$ 0.73	\$ 0.80	\$ 0.77	\$ 0.74	\$ 0.71
<u>Riders - Modified</u>									
DIR (% of D Charges)	\$ 2.77	\$ 6.19	\$ 9.87	\$ 12.13	\$ 15.02	\$ 18.08	\$ 21.24	\$ 24.57	\$ 27.05
ESRR (% of D Charges)	\$ 1.11	\$ 1.79	\$ 3.14	\$ 3.11	\$ 3.31	\$ 3.55	\$ 3.82	\$ 4.06	\$ 4.30
Smart City (\$/Month)	\$ 0.24	\$ -	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59
EDR (% of D Charges)	\$ 1.37	\$ 1.37	\$ 1.37	\$ 1.36	\$ 1.33	\$ 1.26	\$ 1.19	\$ 1.08	\$ 1.00
<u>All Other</u>									
PTBAR (\$/kWh)	\$ 1.55	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
All Other	\$ 112.92	\$ 112.92	\$ 112.92	\$ 112.92	\$ 112.92	\$ 112.92	\$ 112.92	\$ 112.92	\$ 112.92
Base D	\$ 36.31	\$ 36.31	\$ 36.31	\$ 36.31	\$ 36.31	\$ 36.31	\$ 36.31	\$ 36.31	\$ 36.31
Total Bill	\$ 156.27	\$ 158.58	\$ 166.74	\$ 169.09	\$ 172.73	\$ 176.00	\$ 179.29	\$ 182.76	\$ 186.03
% Change over May 2024 Projection			5.15%	1.41%	2.15%	1.89%	1.87%	1.94%	1.79%

Notes:

Note 1: Dollar/kWh rates assumes 1,000 kWh per month, % of base D rates assume base distribution charges of \$36.31 per month

Note 2: As approved in Case No. 20-585-EL-AIR, 2024-2030 proposed rates reflect the expiration of the PTBAR as well as the expiration of the current Smart City rider.

Note 3: As approved in Case No. 20-585-EL-AIR, the May 2024 DIR and ESRR rates reflect the updated cap amounts.

Distribution Investment Rider (DIR)										
Rate Design Calculation										
		(Jan - May) <u>2024</u> ^{3/}	(Jun - Dec) <u>2024</u>		<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	(Jan - May) <u>2030</u>
Total Revenue Requirement ^{1/}	(1)	\$ 64,684,246	\$ 144,486,217	\$	304,437,391	\$ 377,069,937	\$ 453,766,334	\$ 533,011,933	\$ 616,583,324	\$ 282,868,696
Base Distribution Revenues ^{2/}	(2)	\$ 379,725,445	\$ 531,615,624	\$	911,341,069	\$ 911,341,069	\$ 911,341,069	\$ 911,341,069	\$ 911,341,069	\$ 379,725,445
DIR Rate (% of base D Revenues)	(3) = (1) / (2)	17.03448%	27.17870%		33.40543%	41.37528%	49.79106%	58.48655%	67.65670%	74.49295%

Sources:

^{1/} Company witness Mayhan Testimony pg. 16

^{2/} Case No. 20-585-EL-AIR (Note - 2024 amounts are prorated to reflect 7 months of revenues while 2030 amounts reflect 5 months)

^{3/} As approved in Case No. 20-585-EL-AIR, the May 2024 ESRR revenue requirement reflects the updated cap amounts.

Enhanced Service Reliability Rider (ESRR)										
Revenue Requirement and Rate Design Calculations										
		(Jan - May) <u>2024</u> ^{3/}	(Jun - Dec) <u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	(Jan - May) <u>2030</u>	
Total ESRR Expenditures ^{1/}	(1)	\$ 18,750,000	\$ 46,000,000	\$ 78,000,000	\$ 83,000,000	\$ 89,000,000	\$ 96,000,000	\$ 102,000,000	\$ 45,000,000	
Base Distribution Revenues ^{2/}	(2)	\$ 379,725,445	\$ 531,615,624	\$ 911,341,069	\$ 911,341,069	\$ 911,341,069	\$ 911,341,069	\$ 911,341,069	\$ 379,725,445	
ESRR Rate (% of base D Revenues)	(3) = (1) / (2)	4.93778%	8.65287%	8.55882%	9.10746%	9.76583%	10.53393%	11.19230%	11.85067%	

Sources:

^{1/} Company witness Berndt Testimony (Figure MAB-5)

^{2/} Case No. 20-585-EL-AIR (Note - 2024 amounts are prorated to reflect 7 months of revenues while 2030 amounts reflect 5 months)

^{3/} As approved in Case No. 20-585-EL-AIR, the May 2024 ESRR revenue requirement reflects the updated cap amounts.

Smart City Rider

Revenue Requirement Calculation

	(Jun - Dec)						(Jan - May)	
	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	
Total Rebates Revenue Requirements ^{1/}	\$ 9,625,000	\$ 16,500,000	\$ 16,500,000	\$ 16,500,000	\$ 16,500,000	\$ 16,500,000	\$ 6,875,000	
Tax Gross Up Rate	1.00261	1.00261	1.00261	1.00261	1.00261	1.00261	1.00261	
Grossed Up Revenue Requirement	\$ 9,650,090	\$ 16,543,012	\$ 16,543,012	\$ 16,543,012	\$ 16,543,012	\$ 16,543,012	\$ 6,892,922	

Rate Design Calculation

Base Distribution Revenues Allocation^{2/}

	<u>Revenue \$ Amt</u>	<u>Ratio to Total</u>
Residential Base Distribution	\$ 517,378,418	56.77%
Non-Residential Base Distribution	\$ 393,962,651	43.23%
Total Base Distribution Revenues	\$ 911,341,069	100.00%

	(Jun - Dec)						(Jan - May)	
	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	
Residential Revenue Requirement	\$ 5,478,356	\$ 9,391,468	\$ 9,391,468	\$ 9,391,468	\$ 9,391,468	\$ 9,391,468	\$ 3,913,112	
Non-Residential Revenue Requirement	\$ 4,171,734	\$ 7,151,544	\$ 7,151,544	\$ 7,151,544	\$ 7,151,544	\$ 7,151,544	\$ 2,979,810	
Total Revenue Requirement	\$ 9,650,090	\$ 16,543,012	\$ 16,543,012	\$ 16,543,012	\$ 16,543,012	\$ 16,543,012	\$ 6,892,922	

Number of Customers^{3/}

Residential Customer Count	1,319,718
Non-Residential Customer Count	198,801
Total Number of Customers	1,518,519

Annual Smart City Rate

Residential Smart City Rate	\$ 4.15	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 7.12	\$ 2.97
Non-Residential Smart City Rate	\$ 20.98	\$ 35.97	\$ 35.97	\$ 35.97	\$ 35.97	\$ 35.97	\$ 14.99

Monthly Smart City Rate

Residential Smart City Rate	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59	\$ 0.59
Non-Residential Smart City Rate	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00	\$ 3.00

Sources:

^{1/} Company witness Jaynes Testimony (Figure AEJ-7).

^{2/} Case No. 20-585-EL-AIR

^{3/} 12 Month Average Customer Count as of October 31, 2022

Customer Experience Rider (CER)									
Revenue Requirement Calculation									
	2024	2025	2026	2027	2028	2029	(Jan - May) 2030		
ADMS Capital ^{1/}	\$ -	\$ 5,409,951	\$ 5,079,735	\$ 4,749,519	\$ 4,419,303	\$ 4,089,087	\$ 1,606,326		
CIS Capital ^{1/}	\$ 4,390,226	\$ 4,357,801	\$ 12,595,337	\$ 11,986,498	\$ 11,377,660	\$ 12,688,958	\$ 13,798,071		
Customer Grid Resiliency Pilot Program Capital ^{2/}	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Total Capital	\$ 4,390,226	\$ 9,767,752	\$ 17,675,072	\$ 16,736,017	\$ 15,796,963	\$ 16,778,045	\$ 15,404,397		
ADMS O&M ^{3/}	\$ 2,653,614	\$ 33,804	\$ -	\$ -	\$ -	\$ -	\$ -		
CIS O&M ^{4/}	\$ 1,831,050	\$ 1,549,350	\$ 1,831,050	\$ 1,831,050	\$ 1,831,050	\$ 1,831,050	\$ -		
Customer Grid Resiliency Pilot Program O&M ^{2/}	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
RICP O&M ^{5/}	\$ 350,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 250,000		
EDP O&M ^{5/}	\$ 583,333	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 416,667		
Total O&M	\$ 5,417,997	\$ 3,183,154	\$ 3,431,050	\$ 3,431,050	\$ 3,431,050	\$ 3,431,050	\$ 666,667		
Revenue Requirement	\$ 9,808,223	\$ 12,950,906	\$ 21,106,122	\$ 20,167,067	\$ 19,228,013	\$ 20,209,095	\$ 16,071,064		
Tax Gross Up Rate	1.00261	1.00261	1.00261	1.00261	1.00261	1.00261	1.00261		
Grossed Up Revenue Requirement	\$ 9,833,791	\$ 12,984,666	\$ 21,161,141	\$ 20,219,638	\$ 19,278,136	\$ 20,261,776	\$ 16,112,957		
Rate Design Calculation									
Base Distribution Revenues Allocation ^{6/}									
	Revenue \$ Amt	Ratio to Total							
Residential Base Distribution	\$ 517,378,418	56.77%							
Non-Residential Base Distribution	\$ 393,962,651	43.23%							
Total Base Distribution Revenues	\$ 911,341,069	100.00%							
	(Jun - Dec)					(Jan - May)			
	2024	2025	2026	2027	2028	2029	2030		
Residential Revenue Requirement	\$ 5,582,643	\$ 7,371,395	\$ 12,013,180	\$ 11,478,688	\$ 10,944,198	\$ 11,502,610	\$ 9,147,326		
Non-Residential Revenue Requirement	\$ 4,251,148	\$ 5,613,271	\$ 9,147,961	\$ 8,740,950	\$ 8,333,938	\$ 8,759,166	\$ 6,965,631		
Total Revenue Requirement	\$ 9,833,791	\$ 12,984,666	\$ 21,161,141	\$ 20,219,638	\$ 19,278,136	\$ 20,261,776	\$ 16,112,957		
Number of Customers ^{7/}									
Residential Customer Count	1,319,718								
Non-Residential Customer Count	198,801								
Total Number of Customers	1,518,519								
Annual ESR Rate									
Residential ESR Rate	\$ 4.23	\$ 5.59	\$ 9.10	\$ 8.70	\$ 8.29	\$ 8.72	\$ 6.93		
Non-Residential ESR Rate	\$ 21.38	\$ 28.24	\$ 46.02	\$ 43.97	\$ 41.92	\$ 44.06	\$ 35.04		
Monthly ESR Rate									
Residential ESR Rate	\$ 0.60	\$ 0.47	\$ 0.76	\$ 0.73	\$ 0.69	\$ 0.73	\$ 1.39		
Non-Residential ESR Rate	\$ 3.05	\$ 2.35	\$ 3.84	\$ 3.66	\$ 3.49	\$ 3.67	\$ 7.01		

Sources:

^{1/} Exhibit CMH-2, pgs. 5-6

^{2/} Spend is not known at this time, item is presented here as a placeholder for future filings.

^{3/} Company witness Schafer Testimony (Figure CMS-4)

^{4/} Exhibit SDG-1

^{5/} Company witness Rybalt Testimony (Figure AMR-1 and Exhibit AMR-1)

^{6/} Case No. 20-585-EL-AIR

^{7/} 12 Month Average Customer Count as of October 31, 2022

CER Depreciation Tables											
ADMS - In-Service 2025											
Depreciable Life (Yrs.)			10			Depreciation Rate (Annual)			10%		
Depreciation Rate (Monthly)			0.8333%								
	Capital Expenditure 1/	Cumulative Gross Plant	Net Plant	Depreciation	Accumulated Depreciation	Depreciation Expense	Return Carrying Charge	Depreciation Carrying Charge	Property Carrying Charge	Annual Carrying Charge	
2025	January	\$ 22,866,571	\$ 22,866,571	\$ 22,676,017	\$ (190,555)	\$ (190,555)	\$ 177,648	\$ 190,555	\$ 95,239		
	February		\$ 22,866,571	\$ 22,485,462	\$ (190,555)	\$ (381,110)	\$ 176,155	\$ 190,555	\$ 94,439		
	March		\$ 22,866,571	\$ 22,294,907	\$ (190,555)	\$ (571,664)	\$ 174,662	\$ 190,555	\$ 93,639		
	April		\$ 22,866,571	\$ 22,104,352	\$ (190,555)	\$ (762,219)	\$ 173,169	\$ 190,555	\$ 92,838		
	May		\$ 22,866,571	\$ 21,913,798	\$ (190,555)	\$ (952,774)	\$ 171,676	\$ 190,555	\$ 92,038		
	June		\$ 22,866,571	\$ 21,723,243	\$ (190,555)	\$ (1,143,329)	\$ 170,183	\$ 190,555	\$ 91,238		
	July		\$ 22,866,571	\$ 21,532,688	\$ (190,555)	\$ (1,333,883)	\$ 168,691	\$ 190,555	\$ 90,437		
	August		\$ 22,866,571	\$ 21,342,133	\$ (190,555)	\$ (1,524,438)	\$ 167,198	\$ 190,555	\$ 89,637		
	September		\$ 22,866,571	\$ 21,151,579	\$ (190,555)	\$ (1,714,993)	\$ 165,705	\$ 190,555	\$ 88,837		
	October		\$ 22,866,571	\$ 20,961,024	\$ (190,555)	\$ (1,905,548)	\$ 164,212	\$ 190,555	\$ 88,036		
	November		\$ 22,866,571	\$ 20,770,469	\$ (190,555)	\$ (2,096,102)	\$ 162,719	\$ 190,555	\$ 87,236		
	December		\$ 22,866,571	\$ 20,579,914	\$ (190,555)	\$ (2,286,657)	\$ 161,226	\$ 190,555	\$ 86,436	\$ 5,409,951	
2026	January		\$ 22,866,571	\$ 20,389,359	\$ (190,555)	\$ (2,477,212)	\$ 159,734	\$ 190,555	\$ 85,635		
	February		\$ 22,866,571	\$ 20,198,805	\$ (190,555)	\$ (2,667,767)	\$ 158,241	\$ 190,555	\$ 84,835		
	March		\$ 22,866,571	\$ 20,008,250	\$ (190,555)	\$ (2,858,321)	\$ 156,748	\$ 190,555	\$ 84,035		
	April		\$ 22,866,571	\$ 19,817,695	\$ (190,555)	\$ (3,048,876)	\$ 155,255	\$ 190,555	\$ 83,234		
	May		\$ 22,866,571	\$ 19,627,140	\$ (190,555)	\$ (3,239,431)	\$ 153,762	\$ 190,555	\$ 82,434		
	June		\$ 22,866,571	\$ 19,436,586	\$ (190,555)	\$ (3,429,986)	\$ 152,269	\$ 190,555	\$ 81,634		
	July		\$ 22,866,571	\$ 19,246,031	\$ (190,555)	\$ (3,620,540)	\$ 150,777	\$ 190,555	\$ 80,833		
	August		\$ 22,866,571	\$ 19,055,476	\$ (190,555)	\$ (3,811,095)	\$ 149,284	\$ 190,555	\$ 80,033		
	September		\$ 22,866,571	\$ 18,864,921	\$ (190,555)	\$ (4,001,650)	\$ 147,791	\$ 190,555	\$ 79,233		
	October		\$ 22,866,571	\$ 18,674,367	\$ (190,555)	\$ (4,192,205)	\$ 146,298	\$ 190,555	\$ 78,432		
	November		\$ 22,866,571	\$ 18,483,812	\$ (190,555)	\$ (4,382,760)	\$ 144,805	\$ 190,555	\$ 77,632		
	December		\$ 22,866,571	\$ 18,293,257	\$ (190,555)	\$ (4,573,314)	\$ 143,312	\$ 190,555	\$ 76,832	\$ 5,079,735	
2027	January		\$ 22,866,571	\$ 18,102,702	\$ (190,555)	\$ (4,763,869)	\$ 141,820	\$ 190,555	\$ 76,031		
	February		\$ 22,866,571	\$ 17,912,148	\$ (190,555)	\$ (4,954,424)	\$ 140,327	\$ 190,555	\$ 75,231		
	March		\$ 22,866,571	\$ 17,721,593	\$ (190,555)	\$ (5,144,979)	\$ 138,834	\$ 190,555	\$ 74,431		
	April		\$ 22,866,571	\$ 17,531,038	\$ (190,555)	\$ (5,335,533)	\$ 137,341	\$ 190,555	\$ 73,630		
	May		\$ 22,866,571	\$ 17,340,483	\$ (190,555)	\$ (5,526,088)	\$ 135,848	\$ 190,555	\$ 72,830		
	June		\$ 22,866,571	\$ 17,149,929	\$ (190,555)	\$ (5,716,643)	\$ 134,355	\$ 190,555	\$ 72,030		
	July		\$ 22,866,571	\$ 16,959,374	\$ (190,555)	\$ (5,907,198)	\$ 132,863	\$ 190,555	\$ 71,229		
	August		\$ 22,866,571	\$ 16,768,819	\$ (190,555)	\$ (6,097,752)	\$ 131,370	\$ 190,555	\$ 70,429		
	September		\$ 22,866,571	\$ 16,578,264	\$ (190,555)	\$ (6,288,307)	\$ 129,877	\$ 190,555	\$ 69,629		
	October		\$ 22,866,571	\$ 16,387,709	\$ (190,555)	\$ (6,478,862)	\$ 128,384	\$ 190,555	\$ 68,828		
	November		\$ 22,866,571	\$ 16,197,155	\$ (190,555)	\$ (6,669,417)	\$ 126,891	\$ 190,555	\$ 68,028		
	December		\$ 22,866,571	\$ 16,006,600	\$ (190,555)	\$ (6,859,971)	\$ 125,398	\$ 190,555	\$ 67,228	\$ 4,749,519	
2028	January		\$ 22,866,571	\$ 15,816,045	\$ (190,555)	\$ (7,050,526)	\$ 123,905	\$ 190,555	\$ 66,427		
	February		\$ 22,866,571	\$ 15,625,490	\$ (190,555)	\$ (7,241,081)	\$ 122,413	\$ 190,555	\$ 65,627		
	March		\$ 22,866,571	\$ 15,434,936	\$ (190,555)	\$ (7,431,636)	\$ 120,920	\$ 190,555	\$ 64,827		
	April		\$ 22,866,571	\$ 15,244,381	\$ (190,555)	\$ (7,622,190)	\$ 119,427	\$ 190,555	\$ 64,026		
	May		\$ 22,866,571	\$ 15,053,826	\$ (190,555)	\$ (7,812,745)	\$ 117,934	\$ 190,555	\$ 63,226		
	June		\$ 22,866,571	\$ 14,863,271	\$ (190,555)	\$ (8,003,300)	\$ 116,441	\$ 190,555	\$ 62,426		
	July		\$ 22,866,571	\$ 14,672,717	\$ (190,555)	\$ (8,193,855)	\$ 114,948	\$ 190,555	\$ 61,625		
	August		\$ 22,866,571	\$ 14,482,162	\$ (190,555)	\$ (8,384,410)	\$ 113,456	\$ 190,555	\$ 60,825		
	September		\$ 22,866,571	\$ 14,291,607	\$ (190,555)	\$ (8,574,964)	\$ 111,963	\$ 190,555	\$ 60,025		
	October		\$ 22,866,571	\$ 14,101,052	\$ (190,555)	\$ (8,765,519)	\$ 110,470	\$ 190,555	\$ 59,224		
	November		\$ 22,866,571	\$ 13,910,498	\$ (190,555)	\$ (8,956,074)	\$ 108,977	\$ 190,555	\$ 58,424		
	December		\$ 22,866,571	\$ 13,719,943	\$ (190,555)	\$ (9,146,629)	\$ 107,484	\$ 190,555	\$ 57,624	\$ 4,419,303	
2029	January		\$ 22,866,571	\$ 13,529,388	\$ (190,555)	\$ (9,337,183)	\$ 105,991	\$ 190,555	\$ 56,823		
	February		\$ 22,866,571	\$ 13,338,833	\$ (190,555)	\$ (9,527,738)	\$ 104,499	\$ 190,555	\$ 56,023		
	March		\$ 22,866,571	\$ 13,148,279	\$ (190,555)	\$ (9,718,293)	\$ 103,006	\$ 190,555	\$ 55,223		
	April		\$ 22,866,571	\$ 12,957,724	\$ (190,555)	\$ (9,908,848)	\$ 101,513	\$ 190,555	\$ 54,422		
	May		\$ 22,866,571	\$ 12,767,169	\$ (190,555)	\$ (10,099,402)	\$ 100,020	\$ 190,555	\$ 53,622		
	June		\$ 22,866,571	\$ 12,576,614	\$ (190,555)	\$ (10,289,957)	\$ 98,527	\$ 190,555	\$ 52,822		
	July		\$ 22,866,571	\$ 12,386,060	\$ (190,555)	\$ (10,480,512)	\$ 97,034	\$ 190,555	\$ 52,021		
	August		\$ 22,866,571	\$ 12,195,505	\$ (190,555)	\$ (10,671,067)	\$ 95,542	\$ 190,555	\$ 51,221		
	September		\$ 22,866,571	\$ 12,004,950	\$ (190,555)	\$ (10,861,621)	\$ 94,049	\$ 190,555	\$ 50,421		
	October		\$ 22,866,571	\$ 11,814,395	\$ (190,555)	\$ (11,052,176)	\$ 92,556	\$ 190,555	\$ 49,620		
	November		\$ 22,866,571	\$ 11,623,840	\$ (190,555)	\$ (11,242,731)	\$ 91,063	\$ 190,555	\$ 48,820		
	December		\$ 22,866,571	\$ 11,433,286	\$ (190,555)	\$ (11,433,286)	\$ 89,570	\$ 190,555	\$ 48,020	\$ 4,089,087	
2030	January		\$ 22,866,571	\$ 11,242,731	\$ (190,555)	\$ (11,623,840)	\$ 88,077	\$ 190,555	\$ 47,219		
	February		\$ 22,866,571	\$ 11,052,176	\$ (190,555)	\$ (11,814,395)	\$ 86,585	\$ 190,555	\$ 46,419		
	March		\$ 22,866,571	\$ 10,861,621	\$ (190,555)	\$ (12,004,950)	\$ 85,092	\$ 190,555	\$ 45,619		
	April		\$ 22,866,571	\$ 10,671,067	\$ (190,555)	\$ (12,195,505)	\$ 83,599	\$ 190,555	\$ 44,818		
	May		\$ 22,866,571	\$ 10,480,512	\$ (190,555)	\$ (12,386,060)	\$ 82,106	\$ 190,555	\$ 44,018	\$ 1,606,326	

CER Depreciation Tables											
CIS - In-Service 2024											
Depreciable Life (Yrs.)				15							
Depreciation Rate (Annual)				6.67%							
Depreciation Rate (Monthly)				0.5558%							
	Capital Expenditure 2/	Cumulative Gross Plant	Net Plant	Depreciation	Accumulated Depreciation	Depreciation Expense	Return Carrying Charge	Depreciation Carrying Charge	Property Carrying Charge	Annual Carrying Charge	
2023	November	\$ 18,348,302	\$ 18,348,302	\$ 18,246,316	\$ (101,986)	\$ (101,986)	\$ 142,945	\$ 101,986	\$ 76,635		
	December	\$ 18,348,302	\$ 18,144,330	\$ (101,986)	\$ (203,972)	\$ (203,972)	\$ 142,146	\$ 101,986	\$ 76,206		
2024	January	\$ 18,348,302	\$ 18,042,344	\$ (101,986)	\$ (305,958)		\$ 141,347	\$ 101,986	\$ 75,778		
	February	\$ 18,348,302	\$ 17,940,358	\$ (101,986)	\$ (407,944)		\$ 140,548	\$ 101,986	\$ 75,350		
	March	\$ 18,348,302	\$ 17,838,372	\$ (101,986)	\$ (509,930)		\$ 139,749	\$ 101,986	\$ 74,921		
	April	\$ 18,348,302	\$ 17,736,386	\$ (101,986)	\$ (611,916)		\$ 138,950	\$ 101,986	\$ 74,493		
	May	\$ 18,348,302	\$ 17,634,400	\$ (101,986)	\$ (713,902)		\$ 138,151	\$ 101,986	\$ 74,064		
	June	\$ 18,348,302	\$ 17,532,414	\$ (101,986)	\$ (815,888)		\$ 137,352	\$ 101,986	\$ 73,636		
	July	\$ 18,348,302	\$ 17,430,428	\$ (101,986)	\$ (917,874)		\$ 136,553	\$ 101,986	\$ 73,208		
	August	\$ 18,348,302	\$ 17,328,442	\$ (101,986)	\$ (1,019,860)		\$ 135,754	\$ 101,986	\$ 72,779		
	September	\$ 18,348,302	\$ 17,226,456	\$ (101,986)	\$ (1,121,846)		\$ 134,955	\$ 101,986	\$ 72,351		
	October	\$ 18,348,302	\$ 17,124,470	\$ (101,986)	\$ (1,223,832)		\$ 134,156	\$ 101,986	\$ 71,923		
	November	\$ 18,348,302	\$ 17,022,484	\$ (101,986)	\$ (1,325,818)		\$ 133,357	\$ 101,986	\$ 71,494		
	December	\$ 18,348,302	\$ 16,920,499	\$ (101,986)	\$ (1,427,804)	\$ (1,223,832)	\$ 132,558	\$ 101,986	\$ 71,066	\$ 4,390,226	
2025	January	\$ 18,348,302	\$ 16,818,513	\$ (101,986)	\$ (1,529,790)		\$ 131,759	\$ 101,986	\$ 70,638		
	February	\$ 18,348,302	\$ 16,716,527	\$ (101,986)	\$ (1,631,776)		\$ 130,960	\$ 101,986	\$ 70,209		
	March	\$ 18,348,302	\$ 16,614,541	\$ (101,986)	\$ (1,733,762)		\$ 130,161	\$ 101,986	\$ 69,781		
	April	\$ 18,348,302	\$ 16,512,555	\$ (101,986)	\$ (1,835,748)		\$ 129,362	\$ 101,986	\$ 69,353		
	May	\$ 18,348,302	\$ 16,410,569	\$ (101,986)	\$ (1,937,734)		\$ 128,563	\$ 101,986	\$ 68,924		
	June	\$ 18,348,302	\$ 16,308,583	\$ (101,986)	\$ (2,039,720)		\$ 127,764	\$ 101,986	\$ 68,496		
	July	\$ 18,348,302	\$ 16,206,597	\$ (101,986)	\$ (2,141,706)		\$ 126,965	\$ 101,986	\$ 68,068		
	August	\$ 18,348,302	\$ 16,104,611	\$ (101,986)	\$ (2,243,692)		\$ 126,166	\$ 101,986	\$ 67,639		
	September	\$ 18,348,302	\$ 16,002,625	\$ (101,986)	\$ (2,345,678)		\$ 125,367	\$ 101,986	\$ 67,211		
	October	\$ 18,348,302	\$ 15,900,639	\$ (101,986)	\$ (2,447,664)		\$ 124,568	\$ 101,986	\$ 66,783		
	November	\$ 18,348,302	\$ 15,798,653	\$ (101,986)	\$ (2,549,649)		\$ 123,769	\$ 101,986	\$ 66,354		
	December	\$ 44,860,725	\$ 63,209,027	\$ 60,308,041	\$ (351,337)	\$ (2,900,986)	\$ (1,473,183)	\$ 472,463	\$ 351,337	\$ 253,294	\$ 4,357,801
2026	January	\$ 63,209,027	\$ 59,956,704	\$ (351,337)	\$ (3,252,323)		\$ 469,711	\$ 351,337	\$ 251,818		
	February	\$ 63,209,027	\$ 59,605,367	\$ (351,337)	\$ (3,603,660)		\$ 466,958	\$ 351,337	\$ 250,343		
	March	\$ 63,209,027	\$ 59,254,030	\$ (351,337)	\$ (3,954,997)		\$ 464,206	\$ 351,337	\$ 248,867		
	April	\$ 63,209,027	\$ 58,902,694	\$ (351,337)	\$ (4,306,334)		\$ 461,453	\$ 351,337	\$ 247,391		
	May	\$ 63,209,027	\$ 58,551,357	\$ (351,337)	\$ (4,657,671)		\$ 458,701	\$ 351,337	\$ 245,916		
	June	\$ 63,209,027	\$ 58,200,020	\$ (351,337)	\$ (5,009,007)		\$ 455,948	\$ 351,337	\$ 244,440		
	July	\$ 63,209,027	\$ 57,848,683	\$ (351,337)	\$ (5,360,344)		\$ 453,196	\$ 351,337	\$ 242,964		
	August	\$ 63,209,027	\$ 57,497,346	\$ (351,337)	\$ (5,711,681)		\$ 450,444	\$ 351,337	\$ 241,489		
	September	\$ 63,209,027	\$ 57,146,009	\$ (351,337)	\$ (6,063,018)		\$ 447,691	\$ 351,337	\$ 240,013		
	October	\$ 63,209,027	\$ 56,794,672	\$ (351,337)	\$ (6,414,355)		\$ 444,939	\$ 351,337	\$ 238,538		
	November	\$ 63,209,027	\$ 56,443,336	\$ (351,337)	\$ (6,765,692)		\$ 442,186	\$ 351,337	\$ 237,062		
	December	\$ 63,209,027	\$ 56,091,999	\$ (351,337)	\$ (7,117,028)	\$ (4,216,042)	\$ 439,434	\$ 351,337	\$ 235,586	\$ 12,595,337	
2027	January	\$ 63,209,027	\$ 55,740,662	\$ (351,337)	\$ (7,468,365)		\$ 436,681	\$ 351,337	\$ 234,111		
	February	\$ 63,209,027	\$ 55,389,325	\$ (351,337)	\$ (7,819,702)		\$ 433,929	\$ 351,337	\$ 232,635		
	March	\$ 63,209,027	\$ 55,037,988	\$ (351,337)	\$ (8,171,039)		\$ 431,177	\$ 351,337	\$ 231,160		
	April	\$ 63,209,027	\$ 54,686,651	\$ (351,337)	\$ (8,522,376)		\$ 428,424	\$ 351,337	\$ 229,684		
	May	\$ 63,209,027	\$ 54,335,315	\$ (351,337)	\$ (8,873,713)		\$ 425,672	\$ 351,337	\$ 228,208		
	June	\$ 63,209,027	\$ 53,983,978	\$ (351,337)	\$ (9,225,050)		\$ 422,919	\$ 351,337	\$ 226,733		
	July	\$ 63,209,027	\$ 53,632,641	\$ (351,337)	\$ (9,576,386)		\$ 420,167	\$ 351,337	\$ 225,257		
	August	\$ 63,209,027	\$ 53,281,304	\$ (351,337)	\$ (9,927,723)		\$ 417,414	\$ 351,337	\$ 223,781		
	September	\$ 63,209,027	\$ 52,929,967	\$ (351,337)	\$ (10,279,060)		\$ 414,662	\$ 351,337	\$ 222,306		
	October	\$ 63,209,027	\$ 52,578,630	\$ (351,337)	\$ (10,630,397)		\$ 411,910	\$ 351,337	\$ 220,830		
	November	\$ 63,209,027	\$ 52,227,293	\$ (351,337)	\$ (10,981,734)		\$ 409,157	\$ 351,337	\$ 219,355		
	December	\$ 63,209,027	\$ 51,875,957	\$ (351,337)	\$ (11,333,071)	\$ (4,216,042)	\$ 406,405	\$ 351,337	\$ 217,879	\$ 11,986,498	
2028	January	\$ 63,209,027	\$ 51,524,620	\$ (351,337)	\$ (11,684,407)		\$ 403,652	\$ 351,337	\$ 216,403		
	February	\$ 63,209,027	\$ 51,173,283	\$ (351,337)	\$ (12,035,744)		\$ 400,900	\$ 351,337	\$ 214,928		
	March	\$ 63,209,027	\$ 50,821,946	\$ (351,337)	\$ (12,387,081)		\$ 398,147	\$ 351,337	\$ 213,452		
	April	\$ 63,209,027	\$ 50,470,609	\$ (351,337)	\$ (12,738,418)		\$ 395,395	\$ 351,337	\$ 211,977		
	May	\$ 63,209,027	\$ 50,119,272	\$ (351,337)	\$ (13,089,755)		\$ 392,643	\$ 351,337	\$ 210,501		
	June	\$ 63,209,027	\$ 49,767,936	\$ (351,337)	\$ (13,441,092)		\$ 389,890	\$ 351,337	\$ 209,025		
	July	\$ 63,209,027	\$ 49,416,599	\$ (351,337)	\$ (13,792,428)		\$ 387,138	\$ 351,337	\$ 207,550		
	August	\$ 63,209,027	\$ 49,065,262	\$ (351,337)	\$ (14,143,765)		\$ 384,385	\$ 351,337	\$ 206,074		
	September	\$ 63,209,027	\$ 48,713,925	\$ (351,337)	\$ (14,495,102)		\$ 381,633	\$ 351,337	\$ 204,598		
	October	\$ 63,209,027	\$ 48,362,588	\$ (351,337)	\$ (14,846,439)		\$ 378,880	\$ 351,337	\$ 203,123		
	November	\$ 63,209,027	\$ 48,011,251	\$ (351,337)	\$ (15,197,776)		\$ 376,128	\$ 351,337	\$ 201,647		
	December	\$ 63,209,027	\$ 47,659,915	\$ (351,337)	\$ (15,549,113)	\$ (4,216,042)	\$ 373,376	\$ 351,337	\$ 200,172	\$ 11,377,660	
2029	January	\$ 63,209,027	\$ 47,308,578	\$ (351,337)	\$ (15,900,450)		\$ 370,623	\$ 351,337	\$ 198,696		
	February	\$ 63,209,027	\$ 46,957,241	\$ (351,337)	\$ (16,251,786)		\$ 367,871	\$ 351,337	\$ 197,220		
	March	\$ 63,209,027	\$ 46,605,904	\$ (351,337)	\$ (16,603,123)		\$ 365,118	\$ 351,337	\$ 195,745		
	April	\$ 63,209,027	\$ 46,254,567	\$ (351,337)	\$ (16,954,460)		\$ 362,366	\$ 351,337	\$ 194,269		
	May	\$ 63,209,027	\$ 45,903,230	\$ (351,337)	\$ (17,305,797)		\$ 359,613	\$ 351,337	\$ 192,794		
	June	\$ 63,209,027	\$ 45,551,893	\$ (351,337)	\$ (17,657,134)		\$ 356,861	\$ 351,337	\$ 191,318		
	July	\$ 63,209,027	\$ 45,200,557	\$ (351,337)	\$ (18,008,471)		\$ 354,109	\$ 351,337	\$ 189,842		
	August	\$ 63,209,027	\$ 44,849,220	\$ (351,337)	\$ (18,359,807)		\$ 351,356	\$ 351,337	\$ 188,367		
	September	\$ 63,209,027	\$ 44,497,883	\$ (351,337)	\$ (18,711,144)		\$ 348,604	\$ 351,337	\$ 186,891		
	October	\$ 63,209,027	\$ 44,146,546	\$ (351,337)	\$ (19,062,481)		\$ 345,851	\$ 351,337	\$ 185,415		
	November	\$ 63,209,027	\$ 43,795,209	\$ (351,337)	\$ (19,413,818)		\$ 343,099	\$ 351,337	\$ 183,940		
	December	\$ 109,561,777	\$ 172,770,805	\$ 152,396,669	\$ (960,318)	\$ (20,374,136)	\$ (4,825,023)	\$ 1,193,900	\$ 960,318	\$ 640,066	\$ 12,688,958
2030	January	\$ 172,770,805	\$ 151,436,351	\$ (960,318)	\$ (21,334,453)		\$ 1,186,377	\$ 960,318	\$ 636,033		
	February	\$ 172,770,805	\$ 150,476,033	\$ (960,318)	\$ (22,294,771)		\$ 1,178,854	\$ 960,318	\$ 631,999		
	March	\$ 172,770,805	\$ 149,515,716	\$ (960,318)	\$ (23,255,089)		\$ 1,171,331	\$ 960,318	\$ 627,966		
	April	\$ 172,770,805	\$ 148,555,398	\$ (960,318)	\$ (24,215,407)		\$ 1,163,807	\$ 960,318	\$ 623,933		
	May	\$ 172,770,805	\$ 147,595,080	\$ (960,318)	\$ (25,175,724)	\$ (4,801,589)	\$ 1,156,284	\$ 960,318	\$ 619,899	\$ 13,798,071	

Sources:

^{1/} Company witness Schafer Testimony (Figure CMS-4)

^{2/} Exhibit SDG-1

Energy Efficiency Rider (EE Rider)

Residential Revenue Requirement and Rate Design Calculations

	(Jun - Dec)				(Jan - May)			
	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	
Residential Sector Program Costs ^{1/}	\$ 12,392,640	\$ 21,244,525	\$ 21,244,525	\$ 21,244,525	\$ 21,244,525	\$ 21,244,525	\$ 8,851,885	
Cross Sector Program Costs ^{1/}	\$ 1,012,083	\$ 1,735,000	\$ 1,735,000	\$ 1,735,000	\$ 1,735,000	\$ 1,735,000	\$ 722,917	
Administrative Costs (10% of Program Costs) ^{2/}	\$ 1,340,472	\$ 2,297,953	\$ 2,297,953	\$ 2,297,953	\$ 2,297,953	\$ 2,297,953	\$ 957,480	
Lost Revenues ^{4/}	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Revenue Requirement	\$ 14,745,195	\$ 25,277,478	\$ 25,277,478	\$ 25,277,478	\$ 25,277,478	\$ 25,277,478	\$ 10,532,282	
			\$ 16,085,671					
Tax Gross Up Rate	100.261%	100.261%	100.261%	100.261%	100.261%	100.261%	100.261%	
Residential Total Revenue Requirement	\$ 14,783,632	\$ 25,343,371	\$ 25,343,371	\$ 25,343,371	\$ 25,343,371	\$ 25,343,371	\$ 10,559,737	

Twelve Months Ending October 31, 2022 Actual Res kWh^{3/} 8,410,532,222 14,418,055,237 14,418,055,237 14,418,055,237 14,418,055,237 14,418,055,237 6,007,523,015

Residential Sector Rate (\$/kWh) \$ 0.0017578 \$ 0.0017578 \$ 0.0017578 \$ 0.0017578 \$ 0.0017578 \$ 0.0017578 \$ 0.0017578

Non-Residential Revenue Requirement and Rate Design Calculations

	(Jun - Dec)				(Jan - May)			
	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	
Business Sector Program Costs ^{1/}	\$ 11,152,007	\$ 19,117,727	\$ 19,117,727	\$ 19,117,727	\$ 19,117,727	\$ 19,117,727	\$ 7,965,720	
Cross Sector Program Costs ^{1/}	\$ 767,083	\$ 1,315,000	\$ 1,315,000	\$ 1,315,000	\$ 1,315,000	\$ 1,315,000	\$ 547,917	
Administrative Costs (10% of Program Costs) ^{2/}	\$ 1,191,909	\$ 2,043,273	\$ 2,043,273	\$ 2,043,273	\$ 2,043,273	\$ 2,043,273	\$ 851,364	
Lost Revenues ^{4/}	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Revenue Requirement	\$ 13,111,000	\$ 22,476,000	\$ 22,476,000	\$ 22,476,000	\$ 22,476,000	\$ 22,476,000	\$ 9,365,000	
Tax Gross Up Rate	100.261%	100.261%	100.261%	100.261%	100.261%	100.261%	100.261%	
Non-Residential Total Revenue Requirement	\$ 13,145,177	\$ 22,534,590	\$ 22,534,590	\$ 22,534,590	\$ 22,534,590	\$ 22,534,590	\$ 9,389,413	

Twelve Months Ending October 31, 2022 Actual Res kWh^{3/} 17,248,467,490 29,568,801,412 29,568,801,412 29,568,801,412 29,568,801,412 29,568,801,412 12,320,333,922

Non-Residential Rate (\$/kWh) \$ 0.0007621 \$ 0.0007621 \$ 0.0007621 \$ 0.0007621 \$ 0.0007621 \$ 0.0007621 \$ 0.0007621

Sources:

^{1/} Company witness Billing Testimony (Figure BFB-1)

^{2/} Company witness Billing Testimony (Figure BFB-4), assumes cost effectiveness of 1.0

^{3/} 12 Month Average Customer Count as of October 31, 2022

^{4/} Lost revenues are not known at this time, item is presented here as a placeholder for future filings.

Rural Access Rider (RAR)

Revenue Requirement Calculation

	(Jun - Dec)						(Jan - May)		
	<u>2024</u>		<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	
Capital ^{1/}	\$ 1,991,016	\$	10,086,971	\$ 16,397,508	\$ 18,282,933	\$ 17,364,027	\$ 16,445,120	\$ 6,580,928	
O&M ^{2/}	\$ 930,000	\$	2,200,000	\$ 4,000,000	\$ 4,000,000	\$ 4,000,000	\$ 4,000,000	\$ 1,666,000	
Less: Lease Revenues	\$ -	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	
Revenue Requirement	\$ 2,921,016	\$	12,286,971	\$ 20,397,508	\$ 22,282,933	\$ 21,364,027	\$ 20,445,120	\$ 8,246,928	
Tax Gross Up Rate	1.00261		1.00261	1.00261	1.00261	1.00261	1.00261	1.00261	
Grossed Up Revenue Requirement	2,928,630		12,319,000	20,450,680	22,341,020	21,419,718	20,498,416	8,268,426	

Rate Design Calculation

Base Distribution Revenues Allocation ^{3/}

	<u>Revenue \$ Amt</u>	<u>Ratio to Total</u>
Residential Base Distribution	\$ 517,378,418	56.77%
Non-Residential Base Distribution	\$ 393,962,651	43.23%
Total Base Distribution Revenues	\$ 911,341,069	100.00%

	(Jun - Dec)						(Jan - May)		
	<u>2024</u>		<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	
Residential Revenue Requirement	\$ 1,662,583	\$	6,993,496	\$ 11,609,851	\$ 12,682,997	\$ 12,159,974	\$ 11,636,951	\$ 4,693,985	
Non-Residential Revenue Requirement	\$ 1,266,047	\$	5,325,504	\$ 8,840,829	\$ 9,658,023	\$ 9,259,744	\$ 8,861,465	\$ 3,574,441	
Total Revenue Requirement	\$ 2,928,630	\$	12,319,000	\$ 20,450,680	\$ 22,341,020	\$ 21,419,718	\$ 20,498,416	\$ 8,268,426	

Number of Customers ^{4/}

Residential Customer Count	1,319,718
Non-Residential Customer Count	198,801
Total Number of Customers	1,518,519

Annual RAR Rate

Residential RAR Rate	\$ 1.26	\$	5.30	\$ 8.80	\$ 9.61	\$ 9.21	\$ 8.82	\$ 3.56
Non-Residential RAR Rate	\$ 6.37	\$	26.79	\$ 44.47	\$ 48.58	\$ 46.58	\$ 44.57	\$ 17.98

Monthly RAR Rate

Residential RAR Rate	\$ 0.18	\$	0.44	\$ 0.73	\$ 0.80	\$ 0.77	\$ 0.74	\$ 0.71
Non-Residential RAR Rate	\$ 0.91	\$	2.23	\$ 3.71	\$ 4.05	\$ 3.88	\$ 3.71	\$ 3.60

Sources:

^{1/} Exhibit CMH-2, p. 9

^{2/} Company witness Osterholt Testimony (Figure SSO-4)

^{3/} Case No. 20-585-EL-AIR

^{4/} 12 Month Average Customer Count as of October 31, 2022

RAR Depreciation Tables											
Broad band - In-service as built out											
Depreciable Life (Yrs.)			15								
Depreciation Rate (Annual)			6.67%								
Depreciation Rate (Monthly)			0.5558%								
Capital		Cumulative		Accumulated		Depreciation		Return		Depreciation	
Expenditure1/	Gross Plant	Net Plant	Depreciation	Depreciation	Expense	Charge	Charge	Property	Property	Annual	Annual
								Carrying	Carrying	Carrying	Carrying
2024	June	\$ 4,088,571	\$ 4,088,571	\$ 4,065,846	\$ (22,726)	\$ (22,726)	\$ 31,853	\$ 22,726	\$ 17,077		
	July	\$ 4,088,571	\$ 8,177,143	\$ 8,108,966	\$ (45,451)	\$ (68,177)	\$ 63,527	\$ 45,451	\$ 34,058		
	August	\$ 4,088,571	\$ 12,265,714	\$ 12,129,360	\$ (68,177)	\$ (136,354)	\$ 95,023	\$ 68,177	\$ 50,943		
	September	\$ 4,088,571	\$ 16,354,286	\$ 16,127,029	\$ (90,903)	\$ (227,256)	\$ 126,342	\$ 90,903	\$ 67,734		
	October	\$ 4,088,571	\$ 20,442,857	\$ 20,101,973	\$ (113,628)	\$ (340,885)	\$ 157,482	\$ 113,628	\$ 84,428		
	November	\$ 4,088,571	\$ 24,531,429	\$ 24,054,190	\$ (136,354)	\$ (477,239)	\$ 188,444	\$ 136,354	\$ 101,028		
	December	\$ 4,088,571	\$ 28,620,000	\$ 27,983,682	\$ (159,080)	\$ (636,318)	\$ 219,229	\$ 159,080	\$ 117,531	\$ 1,991,016	
2025	January	\$ 3,180,000	\$ 31,800,000	\$ 30,986,927	\$ (176,755)	\$ (813,073)	\$ 242,757	\$ 176,755	\$ 130,145		
	February	\$ 3,180,000	\$ 34,980,000	\$ 33,972,497	\$ (194,431)	\$ (1,007,504)	\$ 266,146	\$ 194,431	\$ 142,684		
	March	\$ 3,180,000	\$ 38,160,000	\$ 36,940,391	\$ (212,106)	\$ (1,219,610)	\$ 289,397	\$ 212,106	\$ 155,150		
	April	\$ 3,180,000	\$ 41,340,000	\$ 39,890,609	\$ (229,782)	\$ (1,449,391)	\$ 312,510	\$ 229,782	\$ 167,541		
	May	\$ 3,180,000	\$ 44,520,000	\$ 42,823,152	\$ (247,457)	\$ (1,696,848)	\$ 335,484	\$ 247,457	\$ 179,857		
	June	\$ 3,180,000	\$ 47,700,000	\$ 45,738,020	\$ (265,133)	\$ (1,961,981)	\$ 358,319	\$ 265,133	\$ 192,100		
	July	\$ 3,180,000	\$ 50,880,000	\$ 48,635,212	\$ (282,808)	\$ (2,244,789)	\$ 381,016	\$ 282,808	\$ 204,268		
	August	\$ 3,180,000	\$ 54,060,000	\$ 51,514,728	\$ (300,484)	\$ (2,545,272)	\$ 403,575	\$ 300,484	\$ 216,362		
	September	\$ 3,180,000	\$ 57,240,000	\$ 54,376,569	\$ (318,159)	\$ (2,863,431)	\$ 425,995	\$ 318,159	\$ 228,382		
	October	\$ 3,180,000	\$ 60,420,000	\$ 57,220,735	\$ (335,835)	\$ (3,199,266)	\$ 448,277	\$ 335,835	\$ 240,327		
	November	\$ 3,180,000	\$ 63,600,000	\$ 60,047,225	\$ (353,510)	\$ (3,552,776)	\$ 470,420	\$ 353,510	\$ 252,198		
	December	\$ 3,180,000	\$ 66,780,000	\$ 62,856,039	\$ (371,186)	\$ (3,923,961)	\$ 492,424	\$ 371,186	\$ 263,995	\$ 10,086,971	
2026	January	\$ 2,385,000	\$ 69,165,000	\$ 64,856,597	\$ (384,442)	\$ (4,308,403)	\$ 508,097	\$ 384,442	\$ 272,398		
	February	\$ 2,385,000	\$ 71,550,000	\$ 66,843,898	\$ (397,699)	\$ (4,706,102)	\$ 523,666	\$ 397,699	\$ 280,744		
	March	\$ 2,385,000	\$ 73,935,000	\$ 68,817,943	\$ (410,955)	\$ (5,117,057)	\$ 539,131	\$ 410,955	\$ 289,035		
	April	\$ 2,385,000	\$ 76,320,000	\$ 70,778,731	\$ (424,212)	\$ (5,541,269)	\$ 554,492	\$ 424,212	\$ 297,271		
	May	\$ 2,385,000	\$ 78,705,000	\$ 72,726,262	\$ (437,469)	\$ (5,978,738)	\$ 569,749	\$ 437,469	\$ 305,450		
	June	\$ 2,385,000	\$ 81,090,000	\$ 74,660,537	\$ (450,725)	\$ (6,429,463)	\$ 584,903	\$ 450,725	\$ 313,574		
	July	\$ 2,385,000	\$ 83,475,000	\$ 76,581,555	\$ (463,982)	\$ (6,893,445)	\$ 599,952	\$ 463,982	\$ 321,643		
	August	\$ 2,385,000	\$ 85,860,000	\$ 78,489,317	\$ (477,239)	\$ (7,370,684)	\$ 614,898	\$ 477,239	\$ 329,655		
	September	\$ 2,385,000	\$ 88,245,000	\$ 80,383,821	\$ (490,495)	\$ (7,861,179)	\$ 629,740	\$ 490,495	\$ 337,612		
	October	\$ 2,385,000	\$ 90,630,000	\$ 82,265,070	\$ (503,752)	\$ (8,364,930)	\$ 644,478	\$ 503,752	\$ 345,513		
	November	\$ 2,385,000	\$ 93,015,000	\$ 84,133,061	\$ (517,008)	\$ (8,881,939)	\$ 659,112	\$ 517,008	\$ 353,359		
	December	\$ 2,385,000	\$ 95,400,000	\$ 85,987,796	\$ (530,265)	\$ (9,412,204)	\$ 673,642	\$ 530,265	\$ 361,149	\$ 16,397,508	
2027	January	\$ 95,400,000	\$ 85,457,531	\$ (530,265)	\$ (9,942,469)	\$ 669,488	\$ 530,265	\$ 358,922			
	February	\$ 95,400,000	\$ 84,927,266	\$ (530,265)	\$ (10,472,734)	\$ 665,334	\$ 530,265	\$ 356,695			
	March	\$ 95,400,000	\$ 84,397,001	\$ (530,265)	\$ (11,002,999)	\$ 661,180	\$ 530,265	\$ 354,467			
	April	\$ 95,400,000	\$ 83,866,736	\$ (530,265)	\$ (11,533,264)	\$ 657,026	\$ 530,265	\$ 352,240			
	May	\$ 95,400,000	\$ 83,336,471	\$ (530,265)	\$ (12,063,529)	\$ 652,872	\$ 530,265	\$ 350,013			
	June	\$ 95,400,000	\$ 82,806,206	\$ (530,265)	\$ (12,593,794)	\$ 648,717	\$ 530,265	\$ 347,786			
	July	\$ 95,400,000	\$ 82,275,941	\$ (530,265)	\$ (13,124,059)	\$ 644,563	\$ 530,265	\$ 345,559			
	August	\$ 95,400,000	\$ 81,745,676	\$ (530,265)	\$ (13,654,324)	\$ 640,409	\$ 530,265	\$ 343,332			
	September	\$ 95,400,000	\$ 81,215,411	\$ (530,265)	\$ (14,184,589)	\$ 636,255	\$ 530,265	\$ 341,105			
	October	\$ 95,400,000	\$ 80,685,146	\$ (530,265)	\$ (14,714,854)	\$ 632,101	\$ 530,265	\$ 338,878			
	November	\$ 95,400,000	\$ 80,154,881	\$ (530,265)	\$ (15,245,119)	\$ 627,946	\$ 530,265	\$ 336,651			
	December	\$ 95,400,000	\$ 79,624,616	\$ (530,265)	\$ (15,775,384)	\$ 623,792	\$ 530,265	\$ 334,423	\$ 18,282,933		
2028	January	\$ 95,400,000	\$ 79,094,351	\$ (530,265)	\$ (16,305,649)	\$ 619,638	\$ 530,265	\$ 332,196			
	February	\$ 95,400,000	\$ 78,564,086	\$ (530,265)	\$ (16,835,914)	\$ 615,484	\$ 530,265	\$ 329,969			
	March	\$ 95,400,000	\$ 78,033,821	\$ (530,265)	\$ (17,366,179)	\$ 611,330	\$ 530,265	\$ 327,742			
	April	\$ 95,400,000	\$ 77,503,556	\$ (530,265)	\$ (17,896,444)	\$ 607,176	\$ 530,265	\$ 325,515			
	May	\$ 95,400,000	\$ 76,973,291	\$ (530,265)	\$ (18,426,709)	\$ 603,021	\$ 530,265	\$ 323,288			
	June	\$ 95,400,000	\$ 76,443,026	\$ (530,265)	\$ (18,956,974)	\$ 598,867	\$ 530,265	\$ 321,061			
	July	\$ 95,400,000	\$ 75,912,761	\$ (530,265)	\$ (19,487,239)	\$ 594,713	\$ 530,265	\$ 318,834			
	August	\$ 95,400,000	\$ 75,382,496	\$ (530,265)	\$ (20,017,504)	\$ 590,559	\$ 530,265	\$ 316,606			
	September	\$ 95,400,000	\$ 74,852,231	\$ (530,265)	\$ (20,547,769)	\$ 586,405	\$ 530,265	\$ 314,379			
	October	\$ 95,400,000	\$ 74,321,966	\$ (530,265)	\$ (21,078,034)	\$ 582,250	\$ 530,265	\$ 312,152			
	November	\$ 95,400,000	\$ 73,791,701	\$ (530,265)	\$ (21,608,299)	\$ 578,096	\$ 530,265	\$ 309,925			
	December	\$ 95,400,000	\$ 73,261,436	\$ (530,265)	\$ (22,138,564)	\$ 573,942	\$ 530,265	\$ 307,698	\$ 17,364,027		
2029	January	\$ 95,400,000	\$ 72,731,171	\$ (530,265)	\$ (22,668,829)	\$ 569,788	\$ 530,265	\$ 305,471			
	February	\$ 95,400,000	\$ 72,200,906	\$ (530,265)	\$ (23,199,094)	\$ 565,634	\$ 530,265	\$ 303,244			
	March	\$ 95,400,000	\$ 71,670,641	\$ (530,265)	\$ (23,729,359)	\$ 561,480	\$ 530,265	\$ 301,017			
	April	\$ 95,400,000	\$ 71,140,376	\$ (530,265)	\$ (24,259,624)	\$ 557,325	\$ 530,265	\$ 298,790			
	May	\$ 95,400,000	\$ 70,610,111	\$ (530,265)	\$ (24,789,889)	\$ 553,171	\$ 530,265	\$ 296,562			
	June	\$ 95,400,000	\$ 70,079,846	\$ (530,265)	\$ (25,320,154)	\$ 549,017	\$ 530,265	\$ 294,335			
	July	\$ 95,400,000	\$ 69,549,581	\$ (530,265)	\$ (25,850,419)	\$ 544,863	\$ 530,265	\$ 292,108			
	August	\$ 95,400,000	\$ 69,019,316	\$ (530,265)	\$ (26,380,684)	\$ 540,709	\$ 530,265	\$ 289,881			
	September	\$ 95,400,000	\$ 68,489,051	\$ (530,265)	\$ (26,910,949)	\$ 536,554	\$ 530,265	\$ 287,654			
	October	\$ 95,400,000	\$ 67,958,786	\$ (530,265)	\$ (27,441,214)	\$ 532,400	\$ 530,265	\$ 285,427			
	November	\$ 95,400,000	\$ 67,428,521	\$ (530,265)	\$ (27,971,479)	\$ 528,246	\$ 530,265	\$ 283,200			
	December	\$ 95,400,000	\$ 66,898,256	\$ (530,265)	\$ (28,501,744)	\$ 524,092	\$ 530,265	\$ 280,973	\$ 16,445,120		
2030	January	\$ 95,400,000	\$ 66,367,991	\$ (530,265)	\$ (29,032,009)	\$ 519,938	\$ 530,265	\$ 278,746			
	February	\$ 95,400,000	\$ 65,837,726	\$ (530,265)	\$ (29,562,274)	\$ 515,784	\$ 530,265	\$ 276,518			
	March	\$ 95,400,000	\$ 65,307,461	\$ (530,265)	\$ (30,092,539)	\$ 511,629	\$ 530,265	\$ 274,291			
	April	\$ 95,400,000	\$ 64,777,196	\$ (530,265)	\$ (30,622,804)	\$ 507,475	\$ 530,265	\$ 272,064			
	May	\$ 95,400,000	\$ 64,246,931	\$ (530,265)	\$ (31,153,069)	\$ 503,321	\$ 530,265	\$ 269,837	\$ 6,580,928		

Source:

1/ Company witness Osterholt Testimony (Figure SSO-3)

Economic Development Rider (EDR)													
Rate Design Calculation													
		(Jun - Dec)								(Jan - May)			
		2024		2025		2026		2027		2028	2029	2030	
Total Revenue Requirement ^{1/}	(1)	\$ 20,074,227	\$	34,257,898	\$	33,335,972	\$	31,647,184	\$	29,803,333	\$	27,037,556	\$ 10,497,377
Base Distribution Revenues ^{2/}	(2)	\$ 531,615,624	\$	911,341,069	\$	911,341,069	\$	911,341,069	\$	911,341,069	\$	911,341,069	\$ 379,725,445
EDR Rate (% of base D Revenues)	(3) = (1) / (2)	3.77608%		3.75906%		3.65790%		3.47259%		3.27027%		2.96679%	2.76446%

Sources:

^{1/} Revenue Requirement amounts reflected per Case No. 22-745-EL-RDR, modified to reflect the Rider IRP-L and IRP-E changes supported by Company witness Mayhan

^{2/} Case No. 20-585-EL-AIR (Note - 2024 amounts are prorated to reflect 7 months of revenues while 2030 amounts reflect 5 months)

AEP Ohio
SSO Customer Typical Bill Comparison

Tariff	kWh	KW	October 2022		Projected May 2024		Proposed 2024		\$	%	Proposed 2025		\$	%	Proposed 2026		\$	%	Proposed 2027		\$	%	Proposed 2028		\$	%	Proposed 2029		\$	%	Proposed 2030									
			Total Bill		Total Bill		Total Bill	Increase			Increase	Total Bill			Increase	Increase			Total Bill	Increase			Increase	Total Bill			Increase	Increase			Total Bill	Increase	Increase							
Residential	100		\$27.77		\$28.80		\$32.10		\$3.30	11.5%	\$33.00	\$0.90	2.8%	\$34.65	\$1.65	5.0%	\$35.81	\$1.16	3.4%	\$36.91	\$1.10	3.1%	\$38.12	\$1.21	3.3%	\$39.68	\$1.56	4.1%	\$41.33	\$1.83	2.9%									
	250		\$49.17		\$50.41		\$54.52		\$4.11	8.2%	\$55.66	\$1.14	2.1%	\$57.64	\$1.98	3.6%	\$59.16	\$1.52	2.6%	\$60.82	\$1.46	2.5%	\$62.21	\$1.59	2.6%	\$64.04	\$1.83	2.9%	\$66.04	\$2.00	2.0%									
	500		\$84.89		\$86.50		\$93.51		\$5.45	6.3%	\$95.63	\$1.69	1.7%	\$98.13	\$2.53	2.7%	\$100.22	\$2.09	2.2%	\$102.03	\$2.03	2.1%	\$104.38	\$2.21	2.2%	\$107.14	\$2.31	2.3%	\$110.34	\$2.49	2.3%									
	750		\$120.57		\$122.53		\$129.34		\$6.81	5.6%	\$131.29	\$1.95	1.5%	\$134.38	\$3.09	2.4%	\$137.05	\$2.67	2.0%	\$139.74	\$2.69	2.0%	\$142.58	\$2.84	2.0%	\$145.38	\$2.80	2.0%	\$148.30	\$2.82	2.0%									
	1,000		\$156.27		\$158.58		\$166.74		\$8.16	5.2%	\$169.09	\$2.35	1.4%	\$172.73	\$3.64	2.2%	\$176.00	\$3.27	1.9%	\$179.29	\$3.29	1.9%	\$182.76	\$3.47	1.9%	\$186.03	\$3.27	1.8%	\$189.33	\$3.27	1.8%									
	1,500		\$227.69		\$230.71		\$241.58		\$10.87	4.7%	\$244.73	\$3.15	1.3%	\$248.48	\$4.75	1.9%	\$253.91	\$4.43	1.8%	\$258.42	\$4.51	1.8%	\$263.15	\$4.73	1.8%	\$267.38	\$4.23	1.6%	\$271.91	\$4.23	1.6%									
	2,000		\$299.07		\$302.80		\$316.37		\$13.57	4.5%	\$320.33	\$3.96	1.3%	\$326.18	\$5.85	1.8%	\$333.79	\$5.61	1.7%	\$337.53	\$5.74	1.7%	\$343.50	\$5.97	1.8%	\$348.69	\$5.19	1.5%	\$354.18	\$5.19	1.5%									
GS-1 ^{1/}	100	3	\$39.31		\$39.38		\$48.00		\$8.62	21.9%	\$49.33	\$1.33	2.8%	\$53.26	\$3.93	8.0%	\$54.45	\$1.19	2.2%	\$55.16	\$0.71	1.3%	\$56.26	\$1.10	2.0%	\$57.61	\$1.35	2.4%	\$59.10	\$1.49	2.5%	\$60.72	\$1.62	2.7%						
	500	3	\$89.52		\$90.49		\$100.56		\$10.07	11.1%	\$102.40	\$1.84	1.8%	\$107.02	\$4.62	4.5%	\$108.92	\$1.90	1.8%	\$110.41	\$1.49	1.4%	\$112.29	\$1.88	1.7%	\$114.36	\$2.06	1.8%	\$116.96	\$2.47	4.2%									
	1,000	3	\$152.25		\$154.35		\$166.22		\$11.87	7.7%	\$168.68	\$2.46	1.5%	\$174.17	\$5.49	3.3%	\$177.00	\$2.83	1.6%	\$179.43	\$2.43	1.4%	\$182.30	\$2.87	1.6%	\$185.50	\$3.19	1.7%	\$188.94	\$3.44	1.8%	\$192.61	\$3.67	1.9%						
	750	6	\$120.88		\$122.42		\$133.39		\$10.97	9.0%	\$135.53	\$2.14	1.6%	\$140.59	\$5.06	3.7%	\$142.96	\$2.37	1.7%	\$144.92	\$1.96	1.4%	\$147.30	\$2.38	1.6%	\$152.33	\$5.03	3.4%	\$156.38	\$5.03	3.4%									
	2,000	6	\$277.78		\$282.13		\$297.61		\$15.48	5.5%	\$308.33	\$3.72	1.3%	\$308.55	\$7.22	2.4%	\$313.21	\$4.66	1.5%	\$317.55	\$4.34	1.4%	\$322.38	\$4.83	1.5%	\$327.38	\$5.30	2.1%	\$332.54	\$5.30	2.1%									
	4,000	12	\$526.80		\$536.14		\$559.11		\$22.97	4.3%	\$565.45	\$6.34	1.1%	\$576.29	\$10.84	1.9%	\$584.76	\$8.47	1.5%	\$593.09	\$8.33	1.4%	\$602.00	\$8.91	1.5%	\$612.06	\$10.06	1.7%	\$623.26	\$11.20	1.8%	\$635.60	\$12.34	1.9%						
	6,000	30	\$961.33		\$984.90		\$1,026.88		\$41.98	4.3%	\$1,040.93	\$14.05	1.4%	\$1,062.40	\$21.47	2.1%	\$1,082.09	\$19.69	1.9%	\$1,102.08	\$19.99	1.9%	\$1,123.03	\$20.95	1.9%	\$1,142.28	\$21.25	1.9%	\$1,162.83	\$21.25	1.9%	\$1,183.67	\$21.25	1.9%						
Secondary	10,000	30	\$1,275.50		\$1,299.07		\$1,344.10		\$45.03	3.5%	\$1,358.15	\$14.05	1.1%	\$1,379.62	\$21.47	1.6%	\$1,399.31	\$19.69	1.4%	\$1,419.30	\$19.99	1.4%	\$1,440.25	\$20.95	1.5%	\$1,461.41	\$21.16	1.5%	\$1,482.83	\$22.42	1.5%	\$1,504.50	\$23.67	1.6%	\$1,526.42	\$24.92	1.6%			
	10,000	40	\$1,429.63		\$1,461.12		\$1,515.86		\$54.74	3.8%	\$1,534.20	\$18.34	1.2%	\$1,561.57	\$27.37	1.8%	\$1,587.48	\$25.91	1.7%	\$1,613.99	\$26.51	1.7%	\$1,641.61	\$27.62	1.7%	\$1,669.44	\$28.83	1.7%	\$1,697.57	\$30.13	1.7%	\$1,726.00	\$31.43	1.8%	\$1,754.81	\$32.72	1.8%			
	14,000	40	\$1,743.80		\$1,775.29		\$1,833.08		\$57.79	3.3%	\$1,851.42	\$18.34	1.0%	\$1,878.79	\$27.37	1.5%	\$1,904.70	\$25.91	1.4%	\$1,931.21	\$26.51	1.4%	\$1,958.83	\$27.62	1.4%	\$1,986.66	\$28.83	1.4%	\$2,014.79	\$30.13	1.4%	\$2,043.21	\$31.43	1.4%	\$2,071.92	\$32.72	1.4%			
	12,500	50	\$1,780.15		\$1,815.95		\$1,885.92		\$66.37	3.7%	\$1,908.55	\$22.63	1.2%	\$1,941.81	\$33.26	1.7%	\$1,973.97	\$32.16	1.7%	\$2,006.95	\$32.98	1.7%	\$2,041.25	\$34.30	1.7%	\$2,075.87	\$35.61	1.7%	\$2,110.79	\$36.84	1.7%	\$2,146.00	\$38.07	1.7%						
	18,000	50	\$2,210.42		\$2,249.82		\$2,320.38		\$70.56	3.1%	\$2,343.01	\$22.63	1.0%	\$2,376.27	\$33.26	1.4%	\$2,409.43	\$32.16	1.4%	\$2,441.41	\$32.98	1.4%	\$2,474.11	\$34.30	1.4%	\$2,507.58	\$35.61	1.4%	\$2,540.83	\$36.84	1.4%	\$2,573.87	\$38.07	1.4%	\$2,606.70	\$39.29	1.4%			
	15,000	75	\$2,361.82		\$2,420.99		\$2,513.56		\$92.57	3.8%	\$2,546.90	\$33.34	1.3%	\$2,584.92	\$48.02	1.9%	\$2,642.64	\$47.72	1.8%	\$2,699.86	\$49.22	1.9%	\$2,742.85	\$50.99	1.9%	\$2,785.10	\$52.76	1.9%	\$2,827.00	\$54.53	1.9%	\$2,868.54	\$56.29	1.9%	\$2,909.82	\$58.04	1.9%			
	30,000	100	\$3,916.90		\$3,995.85		\$4,124.13		\$128.28	3.2%	\$4,168.18	\$44.05	1.1%	\$4,230.96	\$62.78	1.5%	\$4,294.27	\$63.31	1.5%	\$4,359.71	\$65.44	1.5%	\$4,426.71	\$67.58	1.6%	\$4,494.33	\$69.71	1.6%	\$4,562.55	\$71.84	1.6%	\$4,630.36	\$73.96	1.6%	\$4,698.75	\$76.07	1.6%			
	36,000	100	\$4,384.78		\$4,463.73		\$4,596.59		\$132.86	3.0%	\$4,640.64	\$44.05	1.0%	\$4,703.42	\$62.78	1.4%	\$4,766.73	\$63.31	1.4%	\$4,831.17	\$65.44	1.4%	\$4,896.18	\$67.58	1.4%	\$4,961.74	\$69.71	1.4%	\$5,027.84	\$71.84	1.4%	\$5,094.48	\$73.96	1.4%	\$5,161.65	\$76.07	1.4%			
	30,000	150	\$4,687.59		\$4,806.09		\$4,982.95		\$176.86	3.7%	\$5,048.45	\$65.50	1.3%	\$5,140.72	\$92.27	1.8%	\$5,235.18	\$94.46	1.8%	\$5,333.08	\$97.90	1.9%	\$5,434.15	\$101.07	1.9%	\$5,538.47	\$104.17	1.9%	\$5,645.91	\$107.26	1.9%	\$5,756.45	\$110.34	1.9%	\$5,869.08	\$113.41	1.9%			
	60,000	300	\$9,339.10		\$9,576.27		\$9,921.71		\$345.44	3.6%	\$10,051.53	\$129.82	1.3%	\$10,232.30	\$180.77	1.8%	\$10,420.22	\$187.92	1.8%	\$10,615.72	\$195.30	1.9%	\$10,818.54	\$202.22	1.9%	\$11,028.47	\$209.13	1.9%	\$11,245.41	\$215.94	1.9%	\$11,469.35	\$222.74	1.9%	\$11,699.18	\$229.54	1.9%			
	90,000	300	\$11,676.54		\$11,915.71		\$12,284.01		\$368.30	3.1%	\$12,413.83	\$129.82	1.1%	\$12,594.60	\$180.77	1.5%	\$12,782.52	\$187.92	1.5%	\$12,977.82	\$195.30	1.5%	\$13,179.04	\$202.22	1.5%	\$13,386.00	\$209.13	1.5%	\$13,593.70	\$215.94	1.5%	\$13,802.14	\$222.74	1.5%	\$14,011.22	\$229.54	1.5%	\$14,220.94	\$236.34	1.5%
	100,000	500	\$15,541.12		\$15,836.50		\$16,506.75		\$570.25	3.6%	\$16,722.29	\$215.54	1.3%	\$17,021.07	\$298.78	1.8%	\$17,333.63	\$312.56	1.8%	\$17,658.76	\$325.13	1.9%	\$17,993.52	\$334.76	1.9%	\$18,337.90	\$347.39	1.9%	\$18,682.91	\$359.99	1.9%	\$19,028.46	\$372.62	1.9%	\$19,373.55	\$387.25	1.9%			
	150,000	500	\$19,440.19		\$19,835.57		\$20,443.93		\$608.36	3.1%	\$20,659.47	\$215.54	1.1%	\$20,958.25	\$298.78	1.5%	\$21,270.81	\$312.56	1.5%	\$21,595.94	\$325.13	1.5%	\$21,930.70	\$334.76	1.6%	\$22,266.11	\$347.39	1.6%	\$22,601.16	\$359.99	1.6%	\$22,935.85	\$372.62	1.6%	\$23,270.18	\$387.25	1.6%	\$23,604.14	\$397.07	1.6%
	180,000	500	\$21,779.61		\$22,174.99		\$22,806.21		\$631.22	2.9%	\$23,021.75	\$215.54	1.0%	\$23,320.53	\$298.78	1.3%	\$23,633.09	\$312.56	1.3%	\$23,958.22	\$325.13	1.4%	\$24,292.98	\$334.76	1.4%	\$24,627.35	\$347.39	1.4%	\$24,961.36	\$359.99	1.4%	\$25,294.91	\$372.62	1.4%	\$25,628.00	\$387.25	1.4%	\$25,960.63	\$397.07	1.4%
	18,000	50	\$2,210.42		\$2,249.82		\$2,320.38		\$70.56	3.1%	\$2,343.01	\$22.63	1.0%	\$2,376.27	\$33.26	1.4%	\$2,409.43	\$32.16	1.4%	\$2,441.41	\$32.98	1.4%	\$2,474.11	\$34.30	1.4%	\$2,507.58	\$35.61	1.4%	\$2,540.83	\$36.84	1.4%	\$2,573.87	\$38.07	1.4%	\$2,606.70	\$39.29	1.4%	\$2,639.32	\$40.51	1.4%
30,000	75	\$3,531.55		\$3,590.72		\$3,694.72		\$104.00	2.9%	\$3,728.06	\$33.34	0.9%	\$3,776.08	\$48.02	1.3%	\$3,823.80	\$47.72	1.3%	\$3,873.02	\$49.22	1.3%	\$3,924.01	\$50.99	1.3%	\$3,962.06	\$52.76	1.3%	\$3,966.26	\$54.53	1.3%	\$3,966.26	\$56.29	1.3%	\$3,966.26	\$58.04	1.3%				
50,000	75	\$5,091.18		\$5,150.35		\$5,269.59		\$119.25	2.3%	\$5,302.94	\$33.35	0.6%	\$5,350.96	\$48.02	0.9%	\$5,398.68	\$47.72	0.9%	\$5,447.90	\$49.22	0.9%	\$5,498.59	\$50.99	0.9%	\$5,541.14	\$52.76	0.8%	\$5,541.14	\$54.53	0.8%	\$5,541.14	\$56.29	0.8%	\$5,541.14	\$58.04	0.8%				
36,000	100	\$4,384.78		\$4,463.73		\$4,596.59		\$132.86	3.0%	\$4,640.64	\$44.05	1.0%	\$4,703.42	\$62.78	1.4%	\$4,766.73	\$63.31	1.4%	\$4,83																					

AEP Ohio
Residential Electric Vehicle Tariff - Rate Design
Option 1 - Whole House Service

Standard Residential Rate Design Revenue Verification^{1/}

	<u>Units</u>	<u>Rate</u>	<u>Revenue</u>
RS-DM Demand Charge	289	\$ 4.27	\$ 1,234
RS-DM Energy Charge	87,729	\$ -	\$ -
Energy Charge	13,809,164,766	\$ 0.0263125	\$ 363,353,648
<u>Customer Charges</u>	<u>15,405,296</u>	<u>\$ 10.00</u>	<u>\$ 154,052,960</u>
Total			\$ 517,407,842
Total kWh per above	13,809,252,495		

Proposed Revenue Neutral Residential EV Time of Use Rate Design

	<u>Units</u>	<u>Rate^{3/}</u>	<u>Revenue</u>
On-Peak Energy Charge ^{2/}	10,426,865,331	\$ 0.0305802	\$ 318,855,627
Off-Peak Energy Charge	3,382,387,164	\$ 0.0131563	\$ 44,499,700
<u>Customer Charges</u>	<u>15,405,296</u>	<u>\$ 10.00</u>	<u>\$ 154,052,960</u>
Total			\$ 517,408,287
Total kWh per above	13,809,252,495		

Rate Design Difference \$ 445

^{1/} Source: Rate Design w/p from Settlement in Case No. 20-585-EL-AIR (E1p-q Res tab)

^{2/} On-peak period is defined as 6 AM to 11 PM

^{3/} Proposed rate design methodology consists of 1) use same customer charge as standard RES, 2) use 1/2 of the standard RES energy rate as the off-peak energy rate, and 3) solve for the on-peak energy rate, while keeping the total proposed revenues the same as the standard RES revenues.

AEP Ohio
Public Transit and School Bus Electric Vehicle Tariff - Rate Design

Commercial & Industrial Class Settlement Rate Design Revenue Verification ^{1/}				Proposed Revenue Neutral EV Energy Rate Design					Proposed Revenue Neutral EV Generation Capacity Rider Rate Design									
Total Secondary	Units (1)	Rate (2)	Revenues (3) = (1) x (2)	Revenues Excl. Customer Revenues ^{1/} (3) (excl customer revenues)	Billing kWh ^{1/} (4)	Energy Rate (5) = (3) / (4)	Revenue Verification (6) = (4) x (5)	Rate Design Difference (7) = (6) - (3)	Metered kWh ^{1/} (8)	GEN-C Standard Rider Rate ^{2/} (9)	Total GEN-C Revenues (10) = (8) x (9)	Proposed Off-Peak Rate (11) = (9) x 50%	Off-Peak kWh (12)	Off-Peak GEN-C Rider Revenues (13) = (11) x (12)	On-Peak kWh (14) = (8) - (12)	Proposed On-Peak Rate (15) = (10) - (13) / (14)	Revenue Verification (16) = (11) x (12) + (14) x (15)	Rate Design Difference (17) = (16) - (10)
Billing Demand > 10 kW	33,185,010	\$ 7.01	\$ 232,626,920	\$ 232,626,920														
Billing Demand - Off-Peak Excess	30,135	\$ 7.01	\$ 211,246	\$ 211,246														
Billing Demand > 30 kW - EHG	13,627	\$ 7.01	\$ 95,525	\$ 95,525														
Reactive Demand (KVA)	862,705	\$ 1.25	\$ 1,078,381	\$ 1,078,381														
Energy	73,846,760	\$ 0.0205802	\$ 1,519,781	\$ 1,519,781														
Energy <= 4,500 kWh	714,458,452	\$ 0.0205802	\$ 14,703,698	\$ 14,703,698														
Energy - EHG	14,189,396	\$ 0.0138142	\$ 196,015	\$ 196,015														
Customer Bills - Unmetered/FL	14,849	\$ 5.65	\$ 83,897															
Customer Bills - Standard	2,260,334	\$ 9.40	\$ 21,247,140															
Total			\$ 271,762,603	\$ 250,431,566	12,136,822,607	0.0206340	\$ 250,431,198	\$ (368)	12,137,207,440	\$ 0.0047100	\$ 57,166,247	\$ 0.0023550	2,925,888,637	\$ 6,890,468	9,211,318,803	\$ 0.0054580	\$ 57,165,846	\$ (401)
Total Primary	Units (1)	Rate (2)	Revenues (3) = (1) x (2)	Revenues Excl. Customer Revenues ^{1/} (3) (excl customer revenues)	Billing kWh ^{1/} (4)	Energy Rate (5) = (3) / (4)	Revenue Verification (6) = (4) x (5)	Rate Design Difference (7) = (6) - (3)	Metered kWh ^{1/} (8)	GEN-C Standard Rider Rate ^{2/} (9)	Total GEN-C Revenues (10) = (8) x (9)	Proposed Off-Peak Rate (11) = (9) x 50%	Off-Peak kWh (12)	Off-Peak GEN-C Rider Revenues (13) = (11) x (12)	On-Peak kWh (14) = (8) - (12)	Proposed On-Peak Rate (15) = (10) - (13) / (14)	Revenue Verification (16) = (11) x (12) + (14) x (15)	Rate Design Difference (17) = (16) - (10)
Billing Demand > 10 kW	12,964,445	\$ 6.33	\$ 82,064,937	\$ 82,064,937														
Billing Demand - Off-Peak Excess	59,742	\$ 6.33	\$ 378,167	\$ 378,167														
Reactive Demand (KVA)	542,955	\$ 1.21	\$ 656,976	\$ 656,976														
Energy <= 4,500 kWh	0	\$ 0.0137173	\$ -	\$ -														
Customer Bills	15,830	\$ 138.50	\$ 2,192,455															
Total			\$ 85,292,535	\$ 83,100,080	6,007,747,663	0.0138322	\$ 83,100,367	\$ 287	6,006,382,495	\$ 0.0037300	\$ 22,403,807	\$ 0.0018650	1,615,076,482	\$ 3,012,118	4,391,306,013	\$ 0.0044159	\$ 22,403,686	\$ (121)
Total Subtransmission & Transmission	Units (1)	Rate (2)	Revenues (3) = (1) x (2)	Revenues Excl. Customer Revenues ^{1/} (3) (excl customer revenues)	Billing kWh ^{1/} (4)	Energy Rate (5) = (3) / (4)	Revenue Verification (6) = (4) x (5)	Rate Design Difference (7) = (6) - (3)	Metered kWh ^{1/} (8)	GEN-C Standard Rider Rate ^{2/} (9)	Total GEN-C Revenues (10) = (8) x (9)	Proposed Off-Peak Rate (11) = (9) x 50%	Off-Peak kWh (12)	Off-Peak GEN-C Rider Revenues (13) = (11) x (12)	On-Peak kWh (14) = (8) - (12)	Proposed On-Peak Rate (15) = (10) - (13) / (14)	Revenue Verification (16) = (11) x (12) + (14) x (15)	Rate Design Difference (17) = (16) - (10)
Reactive Demand (KVAR)	955,457	\$ 0.70	\$ 668,820	\$ 668,820														
First 2,000 kW	3,861,838	\$ -	\$ -	\$ -														
Customer Bills < 2,000 kW	977	\$ 825.00	\$ 806,025															
Customer Bills > 2,000 kW	1,483	\$ 3,600.00	\$ 5,338,800															
Total			\$ 6,813,645	\$ 668,820	11,178,301,858	0.0000598	\$ 668,462	\$ (358)	11,160,466,382	\$ 0.0027800	\$ 31,026,097	\$ 0.0013900	3,257,743,743	\$ 4,528,264	7,902,722,639	\$ 0.0033530	\$ 31,026,093	\$ (4)

^{1/} Source: Rate Design w/p from Settlement in Case No. 20-585-EL-AIR (E1r-t C&I tab)

^{2/} Source: Generation Capacity Rider rates effective as of 8/17/2022

OHIO POWER COMPANY

98th Revised Sheet No. 101-1
Cancels 78th Revised Sheet No. 101-1

P.U.C.O. NO. 21

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Schedule		Sheet No(s)	Effective Date
Ohio Power & Columbus Southern Power Rate Zones			
	Table of Contents	101-1 thru 101-2	Cycle 1 October 2022
	List of Communities Served	102-1 thru 102-9	December 1, 2021
	Terms and Conditions of Service	103-1 thru 103-78	December 1, 2021
	Supplier Terms and Conditions	103-26 thru 103-53	December 1, 2021
	Summary of Applicable Riders	104-1	December 1, 2021
	Schedule Cross Reference	105-1 thru 105-32	December 1, 2021
Tariff Schedules			
RS	Residential Service	210-1 thru 210-2	January 1, 2022
<u>RS-SC</u>	<u>Residential Service – Senior Citizen</u>	<u>211-1 thru 211-2</u>	
RSDM	Residential Service – Demand Metered	214-1 thru 214-2	January 1, 2022
RS-TOU	Residential Time-of-Use	215-1 thru 215-2	Cycle 1 February 2022
RS-TOD	Residential Time-of-Day (no new customers)	216-1 thru 216-2	January 1, 2022
GS-1	General Service – Non-Demand Metered	220-1 thru 220-2	December 1, 2021
GS	General Service	220-3 thru 220-7	December 1, 2021
GS-TOU	General Service – Time-of-Use – Non-Demand	221-1 thru 221-2	Cycle 1 February 2022
GS-TOD	General Service – Time-of-Day (no new customers)	222-1 thru 222-2	December 1, 2021
GS-FAIR	County and Independent Fairs	228-1 thru 228-2	December 1, 2021
AL	Area Lighting	240-1 thru 240-4	December 1, 2021
SL	Street Lighting	241-1 thru 241-5	December 1, 2021
EHG	Electric Heating General (No new customers)	250-1 thru 250-2	December 1, 2021
EHS	Electric Heating Schools (No new customers)	251-1 thru 251-2	December 1, 2021
SS	School Service (No new customers)	252-1 thru 252-2	December 1, 2021
Supp. No. 18	Church and School Service (No new customers)	253-1	December 1, 2021
Supp. No. 21	Public Authority-Delayed Payment	255-1	December 1, 2021
GSP	Generation Station Power	260-1 thru 260-2	December 1, 2021
NEMS	Net Energy Metering Service	261-1 thru 261-2	December 1, 2021
NEMS-H	Net Energy Metering Service - Hospitals	262-1 thru 262-2	December 1, 2021
COGEN/SPP	Cogeneration and/or Small Power Production	263-1 thru 263-3	August 1, 2022
PEV	Pilot Plug-In Electric Vehicles	270-1	December 1, 2021
<u>RS-PEV</u>	<u>Residential Plug-in Electric Vehicle</u>	<u>271-1 thru 271-2</u>	
<u>BUS-PEV</u>	<u>Public Plug-in Electric Vehicle</u>	<u>272-1 thru 272-2</u>	
PA	Pole Attachment Tariff	300-1 thru 300-3	December 1, 2021
Riders			
	Basic Transmission Cost Rider	400-1	<u>Cycle 1 April 2022</u>
	KWH Tax Rider	402-1	December 1, 2021
	Universal Service Fund Rider	404-1	Cycle 1 January 2022
	Pilot Throughput Balancing Adjustment Rider	406-1	<u>July 1, 2022</u>
	Enhanced Service Reliability Rider	408-1	<u>December 1, 2021</u>

Filed pursuant to Orders dated April 25, 2018 in Case Nos. 16-1852-EL-SSO and September 21, 2022 in 22-0745-EL-RDR

Issued: September 23, 2022

Effective: Cycle 1 October 2022

Issued by
Marc Reitter, President
AEP Ohio

OHIO POWER COMPANY

~~98~~th Revised Sheet No. 101-2
Cancels ~~78~~th Revised Sheet No. 101-2

P.U.C.O. NO. 21

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	-Distribution Investment Rider	412-1	Cycle 1 September 2022
	Storm Damage Recovery Rider	414-1	December 1, 2021
	Bad Debt Rider	416-1	December 1, 2021
	Economic Development Cost Recovery Rider	420-1	Cycle 1 October 2022
	Legacy Generation Resource Rider	422-1	July 1, 2022
	Retail Reconciliation Rider	424-1	December 1, 2021
	SSO Credit Rider	425-1	December 1, 2021
	Power Forward Rider	428-1	December 1, 2021
	Smart City Rider	430-1	Cycle 1 September 2022
	Tax Savings Credit Rider	432-1	December 1, 2021
	Solar Generation Fund Rider	433-1	January 1, 2022
	<u>Customer Experience Rider</u>	<u>434-1</u>	
	<u>Ohio First Rider</u>	<u>435-1</u>	
	<u>Rural Access Rider</u>	<u>436-1</u>	
	<u>Energy Efficiency Rider</u>	<u>437-1</u>	
	<u>Government Aggregation Standby Rider</u>	<u>438-1</u>	
	Generation Energy Rider	450-1	June 1, 2022
	Generation Capacity Rider	451-1 thru 451-2	June 1, 2022
	Auction Cost Reconciliation Rider	452-1	Cycle 1-October 2022
	Energy Efficiency and Peak Demand Reduction Rider	453-1	December 1, 2021
	Alternative Energy Rider	454-1	December 1, 2021
IRP-L	Interruptible Power Rider – Legacy Discretionary Rider	470-1 thru 470-3	December 1, 2021
IRP-E	Interruptible Power Rider – Expanded Discretionary Rider	471-1 thru 471-2	December 1, 2021
	Automaker Credit Rider	472-1	December 1, 2021
	Alternate Feed Service Rider	474-1 thru 474-5	December 1, 2021
	Pilot Demand Response Rider	475-1	December 1, 2021
	Underground Service Tariff	476-1	December 1, 2021

Filed pursuant to Orders dated ~~April 25, 2018~~ in Case Nos. ~~16-1852-EL-SSO and September 21, 2022 in 22-0745-EL-RDR~~

Issued: ~~September 23, 2022~~

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Marc Reitter, President
AEP Ohio

OHIO POWER COMPANY

~~1st Original~~ Revised Sheet No. 104-1
~~Cancels Original Sheet No. 104-1~~

P.U.C.O. NO. 21
Applicable Riders

Rider Description	Standard Service	Competitive Supplier*	Sheet No.
Basic Transmission Cost Rider	Yes	Yes	400-1
KWH Tax Rider	Yes	Yes	402-1
Universal Service Fund Rider	Yes	Yes	404-1
Pilot Throughput Balancing Adjustment Rider	Yes	Yes	406-1
Enhanced Service Reliability Rider	Yes	Yes	408-1
gridSMART® Phase 2 Rider	Yes	Yes	410-1
Distribution Investment Rider	Yes	Yes	412-1
Storm Damage Recovery Rider	Yes	Yes	414-1
Bad Debt Rider	Yes	Yes	416-1
Economic Development Cost Recovery Rider	Yes	Yes	420-1
Legacy Generation Resource Rider	Yes	Yes	422-1
Retail Reconciliation Rider	Yes	N/A	424-1
SSO Credit Rider	Yes	Yes	425-1
Power Forward Rider	Yes	Yes	428-1
Smart City Rider	Yes	Yes	430-1
Tax Savings Credit Rider	Yes	Yes	432-1
Solar Generation Fund Rider	Yes	Yes	433-1
<u>Customer Experience Rider</u>	<u>Yes</u>	<u>Yes</u>	<u>434-1</u>
<u>Ohio First Rider</u>	<u>Yes</u>	<u>Yes</u>	<u>435-1</u>
<u>Rural Access Rider</u>	<u>Yes</u>	<u>Yes</u>	<u>436-1</u>
<u>Energy Efficiency Rider</u>	<u>Yes</u>	<u>Yes</u>	<u>437-1</u>
<u>Government Aggregation Standby Tariff</u>	<u>N/A</u>	<u>Yes</u>	<u>438-1</u>
Generation Energy Rider	Yes	N/A	450-1
Generation Capacity Rider	Yes	N/A	451-1
Auction Cost Reconciliation Rider	Yes	N/A	452-1
Energy Efficiency and Peak Demand Reduction Rider	Yes	Yes	453-1
Alternative Energy Rider	Yes	N/A	454-1
Interruptible Power Rider – Legacy Discretionary Rider	Yes	Yes	470-1
Interruptible Power Rider – Expanded Service Discretionary Rider	Yes	Yes	471-1
Automaker Credit Rider	Yes	Yes	472-1
Alternate Feed Service <u>Rider</u>	Yes	Yes	474-1
Pilot Demand Response Rider	Yes	Yes	475-1
Underground Service Tariff	Yes	Yes	476-1

* Items noted as N/A within the Competitive Supplier section are bypassable and are only applicable to non-shopping customers.

Filed pursuant to Order dated ~~November 17, 2021~~ in Case No. ~~20-585-EL-AIR~~

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Marc Reitter, President
AEP Ohio

OHIO POWER COMPANY

~~Original 1st Revised~~ Sheet No. 105-1
~~Cancels Original Sheet No. 105-1~~

P.U.C.O. NO. 21

SCHEDULE
CROSS REFERENCE

Standard Service Offer	Sheet No.	Competitive Supplier*	Sheet No.
RESIDENTIAL SERVICE		RESIDENTIAL SERVICE	
Regular RS	210-1 210-2	Regular RS	210-1- 210-2
Senior Citizen RS-SC	211-1 211-2	Senior Citizen RS-SC	211-1 211-2
Demand-Metered RSDM	214-1- 214-2	Demand-Metered RSDM	214-1- 214-2
Time-of-Use RS-TOU	215-1- 215-2	N/A	
Time-of-Day RS-TOD	216-1 216-2	N/A	
GENERAL SERVICE		GENERAL SERVICE	
General Service–Non-Demand Metered GS-1	220-1- 220-2	General Service–Non-Demand Metered GS-1	220-1- 220-2
General Service GS	220-3- 220-7	General Service GS	220-3- 220-7
Time-of-Use GS-TOU	221-1- 221-2	N/A	
Time-of-Day GS-TOD	222-1- 222-2	N/A	
County and Independent Fairs GS-FAIR	228-1- 228-2	County and Independent Fairs	228-1- 228-2
Area Lighting AL	240-1- 240-4	Area Lighting OAD-AL	240-1- 240-4
Street Lighting SL	241-1- 241-5	Street Lighting OAD-SL	241-1- 241-5
Electric Heating General EHG	250-1- 250-2	Electric Heating General OAD-EHG	250-1- 250-2
Electric Heating Schools EHS	251-1- 251-2	Electric Heating Schools OAD-EHS	251-1- 251-2
School Service SS	252-1- 252-2	School Service OAD SS	252-1- 252-2
Church and School Service Supp.No.18	253-1	N/A	
Public Authority Delayed Payment Supp.No.21	255-1	Public Authority Delayed Payment Supp.No.21	255-1
Generation Station Power GSP	260-1- 260-2	N/A	
Net Energy Metering Service NEMS	261-1- 261-2	Net Energy Metering Service NEMS	261-1- 261-2
Net Energy Metering Service - Hospitals NEMS-H	262-1- 262-2	Net Energy Metering Service – Hospitals NEMS-H	262-1 – 262-2
Cogeneration and/or Small Power Production COGEN/SPP	263-1- 263- 32	N/A	

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OHIO POWER COMPANY

~~Original 1st Revised~~ Sheet No. 105-2
~~Cancels Original Sheet No. 105-2~~

P.U.C.O. NO. 21

SCHEDULE
CROSS REFERENCE

Pilot Plug-In Electric Vehicles PEV	270-1	Pilot Plug-In Electric Vehicles PEV	270-1
Res. Plug-In Electric Vehicles RS- PEV	271-1 – 271-2	Res. Plug-In Electric Vehicles RS- PEV	271-1 – 271-2
Public Plug-in Electric Vehicle BUS-PEV	272-1 – 272-2	Public Plug-in Electric Vehicle BUS- PEV	272-1 – 272-2
Pole Attachment Tariff PA	300-1-300-3	Pole Attachment Tariff PA	300-1-300-3
Standard Service Offer	Sheet No.	Competitive Supplier*	Sheet No.
RIDERS			
Basic Transmission Cost Rider	400-1-400-2	Basic Transmission Cost Rider	400-1-400-2
KWH Tax Rider	402-1	KWH Tax Rider	402-1
Universal Service Fund Rider	404-1	Universal Service Fund Rider	404-1
Pilot Throughput Balancing Adjustment Rider	406-1	Pilot Throughput Balancing Adjustment Rider	406-1
Enhanced Service Reliability Rider	408-1	Enhanced Service Reliability Rider	408-1
gridSMART Phase 2 Rider	410-1	gridSMART Phase 2 Rider	410-1
Distribution Investment Rider	412-1	Distribution Investment Rider	412-1
Storm Damage Recovery Rider	414-1	Storm Damage Recovery Rider	414-1
Bad Debt Rider	416-1	Bad Debt Rider	416-1
Economic Development Cost Recovery Rider	420-1	Economic Development Cost Recovery Rider	420-1
Legacy Generation Resource Rider	422-1	Legacy Generation Resource Rider	422-1
Retail Reconciliation Rider	424-1	N/A	
SSO Credit Rider	425-1	SSO Credit Rider	425-1
Power Forward Rider	428-1	Power Forward Rider	428-1
Smart City Rider	430-1	Smart City Rider	430-1
Tax Savings Credit Rider	432-1	Tax Savings Credit Rider	432-1
Solar Generation Fund Rider	433-1	Solar Generation Fund Rider	433-1
Customer Experience Rider	434-1	Customer Experience Rider	434-1
Ohio First Rider	435-1	Ohio First Rider	435-1
Rural Access Rider	436-1	Rural Access Rider	436-1
Energy Efficiency Rider	437-1	Energy Efficiency Rider	437-1
N/A		Government Aggregation Standby Tariff	438-1
Generation Energy Rider	450-1	N/A	
Generation Capacity Rider	451-1-451-2	N/A	
Auction Cost Reconciliation Rider	452-1	N/A	
Energy Efficiency and Peak Demand Reduction Rider	453-1	Energy Efficiency and Peak Demand Reduction Rider	453-1
Alternative Energy Rider	454-1	N/A	
Interruptible Power Rider – Legacy Discretionary Rider IRP-L	470-1-470-3	Interruptible Power Rider – Legacy Discretionary Rider	470-1-470-3
Interruptible Power Rider – Expanded Discretionary Rider IRP-E	471-1-471-2	Interruptible Power Rider – Expanded Discretionary Rider	471-1-471-2

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AEP Ohio

OHIO POWER COMPANY

~~Original~~ 1st Revised Sheet No. 105-3
~~Cancels Original Sheet No. 105-3~~

P.U.C.O. NO. 21

SCHEDULE
CROSS REFERENCE

Automaker Credit Rider	472-1	Automaker Credit Rider	472-1
Alternate Feed Service Rider	474-1- 474-5	Alternate Feed Service Rider	474-1- 474-5
Pilot Demand Response Rider	475-1	Pilot Demand Response Rider	475-1
Underground Service Tariff	476-1	Underground Service Tariff	476-1

* Items noted as N/A within the Competitive Supplier section are bypassable and are only applicable to non-shopping customers.

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AEP Ohio

OHIO POWER COMPANY

Original Sheet No. 211-1

P.U.C.O NO. 21

SCHEDULE RS-SC
(Optional Residential Senior Citizen)

Availability of Service

Available to customers who meet the requirements of Schedule RS and qualify for one of the following criteria:

- Criteria One: Residential customer who is 65 or older, primary account holder, current on their payments, primary residence, gas heating and use under 900 kWh
- Criteria Two: Residential customer who is 65 or older, primary account holder, current on their payments, primary residence, electric heating and use under 1,700 kWh
- Criteria Three: Residential customer who is 65 or older, primary account holder, current on their payments, primary residence, and participates in the Home Energy Management program in the Energy Efficiency portfolio.

Monthly Rate (Schedule Code: XX, XXX)

	<u>Distribution</u>
<u>Customer Charge (\$)</u>	<u>5.00</u>
<u>Monthly Energy Charge (¢ per KWH)</u>	<u>2.63125</u>

Minimum Charge

The minimum monthly charge under this schedule shall be the sum of the customer charge and all applicable riders.

Payment

Bills from the Company are due and payable in full by mail, checkless payment plan, electronic payment plan, or at an authorized payment agent of the Company within 21 days after the mailing of the bill.

Delayed Payment Charge

As of April 1, 2022, on all residential accounts not paid within 7 days after the due date, an additional charge of one and one-half percent (1.5%) of the total amount billed will be due.

Applicable Riders

Monthly Charges computed under this schedule shall be adjusted in accordance with the Commission-approved riders on Sheet Number 104-1.

Term of Contract

A written agreement may, at the Company's option, be required.

Filed pursuant to Order dated _____ in Case No. _____

Issued: _____

Issued by
Marc Reitter, President
AEP Ohio

Effective: _____

OHIO POWER COMPANY

Original Sheet No. 211-2

P.U.C.O NO. 21

SCHEDULE RS-SC
(Optional Residential Senior Citizen)

Special Terms and Conditions

This schedule is subject to the Company's Terms and Conditions of Service.

This schedule is available to customers engaged in agricultural enterprises where service is taken through 1 meter for that customer's primary residence, and not more than 100 KW of connected electrical load is outside the residence. This schedule is not extended to operations of a commercial nature or operations such as processing, preparing, or distributing products not raised or produced on the farm, unless such operation is incidental to the usual residential and farm uses.

Where the residential customer requests 3-phase service, this schedule will apply if the customer pays to the Company the difference between constructing single-phase and 3-phase service. Where motors or heating equipment are used for commercial or industrial purposes, the applicable general service schedule will apply to such service.

Customers with cogeneration and/or small power production facilities which qualify under Section 210 of the Public Utility Regulatory Policies Act of 1978 shall take service under Schedule COGEN/SPP, Schedule NEMS, or by special agreement with the Company. All other customers having sources of electrical energy supply other than the Company shall take service under the applicable Residential Schedule or Schedule NEMS.

At its discretion, the Company may require that Company-owned metering be installed to monitor the customer's generation. The Company reserves the right to inspect the customer's relays and protective equipment at all reasonable times.

Filed pursuant to Order dated _____ in Case No. _____

Issued: _____

Issued by
Marc Reitter, President
AEP Ohio

Effective: _____

OHIO POWER COMPANY

Original Sheet No. 271-1

P.U.C.O NO. 21

SCHEDULE RS– PEV
(Residential Plug-in Electric Vehicle)

Availability of Service

Available to customers eligible for Schedule RS (Residential Service) who use Plug-In Electric Vehicles (PEV) and receive service from either a SSO or a qualified CRES Provider. Customers electing Option 2 under this schedule may not operate distributed generation resources or participate in the Company's Net Energy Metering Service Schedule.

Customers electing service under this schedule may choose from two available options. Option 1 allows for whole-house time-of-use service, including all PEV usage. Option 2 allows for a PEV meter placed to separately meter PEV usage within their existing RS service.

Option 1 – Whole House Service: All usage shall be metered through one, multi-register meter capable of measuring electrical energy consumption during on-peak and off-peak billing periods. All standard and PEV kWh usage will be billed at the following Monthly Rates.

Monthly Rate (Schedule Code XXX)

	<u>Distribution</u>
<u>Customer Charge (\$)</u>	<u>10.00</u>
<u>Off – Peak Energy Charge (¢ per kWh)</u>	<u>1.31563</u>
<u>On – Peak Energy Charge (¢ per kWh)</u>	<u>3.05802</u>

For the purpose of this tariff, the daily on-peak billing period is defined as 6 a.m. to 11 p.m. Off-peak billing period is defined as those hours not designated as on-peak hours

Option 2 – Separately metered PEV Time-of-Day: A separate meter capable of measuring electrical energy consumption during on-peak and off-peak billing periods will be installed to separately measure PEV kWh usage. Total Residential Service usage will be billed at the customers Schedule RS Monthly Rates. A credit will be applied to the customer's bill for all off-peak PEV kWh usage measured at the separate meter and billed under Schedule Code (xx). There is no billing adjustment for PEV on-peak usage.

Monthly Rate (Schedule Code XXX)

	<u>Distribution</u>
<u>All Residential Service Usage</u>	<u>Current Schedule RS Energy rate and Customer Charge apply</u>
<u>PEV Off-Peak kWh (¢ per KWH)</u>	<u>-1.31563 (Credit)</u>

For the purpose of this tariff, the daily on-peak billing period is defined as 6 a.m. to 11 p.m. Off-peak billing period is defined as those hours not designated as on-peak hours.

Filed pursuant to Order dated _____ in Case No. _____

Issued: _____

Effective: _____

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Marc Reitter, President
AEP Ohio

OHIO POWER COMPANY

Original Sheet No. 271-1

P.U.C.O NO. 21

SCHEDULE RS- PEV
(Residential Plug-in Electric Vehicle)

Minimum Charge

The minimum monthly charge under this schedule shall be the sum of the customer charge and all Commission-approved riders as shown on Sheet Number 104-1.

Payment

Bills from the Company are due and payable in full by mail, checkless payment plan, electronic payment plan, or at an authorized payment agent of the Company within 21 days after the mailing of the bill.

Delayed Payment Charge

As of April 1, 2022, on all residential accounts not paid within 7 days after the due date, an additional charge of one and on-half percent (1.5%) of the total amount billed will be due.

Applicable Riders

Monthly Charges computed under this schedule shall be adjusted in accordance with the Commission-approved riders on Sheet Number 104-1.

Term of Contract

A written agreement may, at the Company's option, be required.

Special Terms and Conditions

This schedule is subject to the Company's Terms and Conditions of Service.

Filed pursuant to Order dated _____ in Case No. _____

Issued: _____

Issued by
Marc Reitter, President
AEP Ohio

Effective: _____

OHIO POWER COMPANY

Original Sheet No. 272-1

P.U.C.O NO. 21

SCHEDULE BUS – PEV
(Public Transit & School Bus Plug-in Electric Vehicle)

Availability of Service

Available to Public Transit and School Bus customers eligible for Schedule GS (General Service) who use Plug-In Electric Vehicles (PEV) and receive electric generation service from either SSO or a qualified CRES Provider. No more than 25% of the load at the location can be for service other than PEV charging. This tariff is also available to customers that choose to separately meter their vehicle charging load from all other load.

Monthly Rate (Schedule Code XXX)

<u>Schedule Code</u>	<u>Service Voltage</u>	<u>Energy Charge</u> <u>(¢ per KWH)</u>	<u>Customer Charge</u> <u>(\$)</u>
<u>XXX</u>	<u>Secondary</u>	<u>2.06348</u>	<u>9.40</u>
<u>XXX</u>	<u>Primary</u>	<u>1.38322</u>	<u>138.50</u>
<u>XXX</u>	<u>Transmission</u>	<u>0.00598</u>	<u>\$825 (up to 2,000 kW)</u> <u>\$3,600 (over 2,000 kW)</u>

For SSO customers receiving service under Rider GEN-C, the daily on-peak billing period is defined as 6 a.m. to 11 p.m., local time. The off-peak billing period is defined as those hours not designated as on-peak hours.

Minimum Charge

The minimum monthly charge under this schedule shall be the sum of the customer charge and all Commission-approved riders shown on Sheet Number 104-1.

Monthly Billing Demand

Billing demand in KW shall be taken each month as the single highest 30-minute integrated peak in KW as registered during the on-peak period during the month by a 30-minute integrating demand meter or indicator, or at the Company's option, as the highest registration of a thermal-type demand meter. For accounts over 100 KW, monthly billing demand established hereunder shall not be less than 60% of the greater of (a) the customer's contract capacity in excess of 100 KW, or (b) the customer's highest previously established monthly billing demand during the past 11 months in excess of 100 KW. In no event shall the monthly billing demand be less than the minimum billing demand, if any, specified in the service contract.

Delayed Payment Charge

Bills are due and payable in full by mail, checkless payment plan, electronic payment plan or at an authorized payment agent of the Company within 21 days after the mailing of the bill. On accounts not paid by the due date, an additional charge of 2.5% of the unpaid balance will be due. Federal, state, county, township and municipal governments and public school systems not serviced under special contract are subject to the Public Authority Delayed Payment provision, Supplement No. 21.

Filed pursuant to Order dated _____ in Case No. _____

Issued: _____

Issued by
Marc Reitter, President
AEP Ohio

Effective: _____

OHIO POWER COMPANY

Original Sheet No. 272-1

P.U.C.O NO. 21

SCHEDULE BUS – PEV
(Public Transit & School Bus Plug-in Electric Vehicle)

Applicable Riders

Monthly Charges computed under this schedule shall be adjusted in accordance with the Commission-approved riders on Sheet Number 104-1.

Term of Contract

A written agreement may, at the Company's option, be required.

Special Terms and Conditions

This schedule is subject to the Company's Terms and Conditions of Service.

Filed pursuant to Order dated _____ in Case No. _____

Issued: _____

Issued by
Marc Reitter, President
AEP Ohio

Effective: _____

OHIO POWER COMPANY

~~2nd 1st~~ Revised Sheet No. 400-1
Cancels ~~1st Original~~ Sheet No. 400-1

P.U.C.O. NO. 21

BASIC TRANSMISSION COST RIDER

Effective ~~Cycle 1 April 2022~~, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the Basic Transmission Cost charge per kW and/or kWh as follows:

Schedule	¢/kWh	\$/kW
Residential RS, RSDM, RS-ES, RLM, RS-TOD, RS-TOU, RS-SC, RS-PEV	3.11199	
Non Demand Metered GS-1, GS Recreational Lighting, GS1 ES, GS2 ES, GS-TOD, GS-2-TOD, GS-2-LMTOD, GS-TOU, EHS, SS, BUS-PEV	2.31112	
Demand Metered Secondary GS, EHG	0.04222	7.39
Demand Metered Primary GS	0.04080	7.83
Demand Metered Transmission GS	0.04006	8.54
Lighting AL, SL	0.04222	
County Fair Transmission Supplement Secondary	2.31112	
County Fair Transmission Supplement Primary	3.99585	
Interim Pilot 1CP Secondary	0.04222	10.23
Interim Pilot 1CP Primary	0.04080	9.89
Interim Pilot 1CP Transmission	0.04006	9.71
Interim Pilot 1CP Secondary School	0.04222	10.23

The Interim Pilot 1CP Demand rates for the Basic Transmission Cost Rider are limited to availability as established in Case No. ~~16-1852-EL-SSO~~ _____. The monthly \$/kW for the Interim Pilot 1CP Basic Transmission rate will be based on the participating customer's demand during the single zonal transmission peak. The 1CP will be changed each January based on the customer's contribution to the single zonal transmission peak during the previous year.

This Rider is subject to reconciliation, including, but not limited to, refunds to customers, based upon the flow through impact to this Rider of changes to the Open Access Transmission Tariff approved by the Federal Energy Regulatory Commission (including changes related to the Tax Cuts and Jobs Act of 2017) or based upon the results of audits ordered by the Commission in accordance with the ~~April 25, 2018~~ _____ Opinion and Order in Case No. ~~16-1852-EL-SSO~~ _____.

Filed pursuant to Order dated ~~March 23, 2022~~ in Case No. ~~22-41-EL-RDR~~

Issued: ~~March 30, 2022~~

Effective: ~~Cycle 1 April 2022~~

Issued by
Marc Reitter, President
AEP Ohio

OHIO POWER COMPANY

~~1st~~ ^{2nd} Revised Sheet No. 406-1
Cancels ~~1st Revised~~ Original Sheet No. 406-1

P.U.C.O. NO. 21

Pilot Throughput Balancing Adjustment Rider (PTBAR)

Effective ~~July 1, 2022~~ all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the Pilot Throughput Balancing Adjustment Rider charge per kWh as follows:

Ohio Power Rate Zone

Schedule	¢/KWH
RS, RSDM, RS-ES, RLM, RS-TOD, RS-TOU	0.154880.00
GS-1, GS-TOU	0.000.00694

Columbus Southern Power Rate Zone

Schedule	¢/KWH
RS, RSDM, RS-ES, RLM, RS-TOD, RS-TOU	0.000.15688
GS-1, GS-TOU	0.000.07064

This Rider is subject to reconciliation, including, but not limited to, refunds to customers, based upon the results of audits ordered by the Commission in accordance with the ~~February 25, 2015~~ Opinion and Order in Case No. ~~13-2385-EL-SSO~~.

Filed pursuant to Order dated ~~November 17, 2021~~ in Case No. ~~20-585-EL-AIR~~

Issued: ~~March 30, 2022~~

Effective: ~~July 1, 2022~~

Issued by
Marc Reitter, President
AEP Ohio

OHIO POWER COMPANY

1st Revised Sheet No. 408-1
Cancels Original Sheet No. 408-1

P.U.C.O. NO. 21

ENHANCED SERVICE RELIABILITY RIDER

Effective ~~December 1, 2021~~, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the Enhanced Service Reliability charge of 8.65287 ~~3.0707~~% of the customer's distribution charges under the Company's Schedules, excluding charges under any applicable Riders. This Rider shall be adjusted periodically to recover amounts authorized by the Commission.

This Rider is subject to reconciliation, including, but not limited to, refunds to customers, based upon the impact to the carrying charge rate recovered through this Rider of changes in Federal corporate income taxes due to the Tax Cuts and Jobs Act of 2017 or based upon the results of audits ordered by the Commission in accordance with the ~~February 25, 2015~~ February 25, 2015 Opinion and Order in Case Nos. ~~13-2385-EL-SSO~~ 13-2385-EL-SSO, et al.

Filed pursuant to Order dated ~~November 17, 2021~~ in Case No. ~~s. 20-585-EL-AIR~~.

Issued: ~~November 22, 2021~~

Issued by
Marc Reitter, President
AEP Ohio

Effective: ~~December 1, 2021~~

OHIO POWER COMPANY

~~4th-5th~~ Revised Sheet No. 410-1
Cancels ~~3rd-4th~~ Revised Sheet No. 410-1

P.U.C.O. NO. 21

gridSMART RIDER

Effective Cycle 1 ~~December 2022~~_____, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the monthly gridSMART Phase 2 charge. This rider shall be adjusted periodically to recover amounts authorized by the Commission. This Rider is subject to reconciliation, including, but not limited to, refunds to customers, based upon the impact to the carrying charge rate recovered through this Rider of changes in Federal corporate income taxes due to the Tax Cuts and Jobs Act of 2017 or based upon the results of audits ordered by the Commission in accordance with the ~~February 1, 2017~~_____, Opinion and Order in Case No. ~~13-1939~~_____-EL-RDR.

Residential Customers	\$1.91
Non-Residential	\$15.57

Filed pursuant to Order dated ~~November 17, 2021~~_____ in Case No. ~~20-585-EL-AIR~~_____

Issued: ~~October 27, 2022~~_____

Effective: ~~Cycle 1 December~~
~~2022~~_____

Issued by
Marc Reitter, President
AEP Ohio

OHIO POWER COMPANY

~~4th~~ ~~3rd~~ Revised Sheet No. 412-1
Cancels ~~3rd~~ ~~2nd~~ Revised Sheet No. 412-1

P.U.C.O. NO. 21

DISTRIBUTION INVESTMENT RIDER

Effective ~~Cycle 1 September 2022~~, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the Distribution Investment Rider charge of ~~27.1787% 7.61628%~~ of the customer's distribution charges under the Company's Schedules, excluding charges under any applicable Riders. This Rider shall be adjusted periodically to recover amounts authorized by the Commission.

This Rider is subject to reconciliation, including, but not limited to, refunds to customers, based upon the impact to the carrying charge rate recovered through this Rider of changes in Federal corporate income taxes due to the Tax Cuts and Jobs Act of 2017 or based upon the results of audits ordered by the Commission in accordance with the ~~February 25, 2015~~ _____ Opinion and Order in Case Nos. ~~13-2385-EL-SSO~~ _____, et al.

Filed pursuant to order dated ~~November 17, 2021~~ in Case No. ~~20-585-EL-AIR and Case No. 14-1696-EL-RDR~~

Issued: ~~June 24, 2022~~

Effective: ~~Cycle 1 September 2022~~

Issued By
Marc Reitter, President
AEP Ohio

OHIO POWER COMPANY

~~1st~~ ^{2nd} Revised Sheet 414-1
Cancels ~~1st~~ ^{2nd} Revised Original Sheet 414-1

P.U.C.O. NO. 21

STORM DAMAGE RECOVERY RIDER

Effective Cycle ~~1 November 2022~~, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the monthly Storm Damage Recovery Rider credit. This Rider shall expire with the last billing cycle of ~~November 2022~~.

Residential Customers \$1.66/month

Non-Residential Customers \$8.32/month

This Rider is subject to reconciliation, including, but not limited to, refunds to customers, based upon the results of audits ordered by the Commission in accordance with the ~~February 25, 2015~~ Opinion and Order in Case No. ~~13-2385-EL-SSO~~.

Filed pursuant to Order dated ~~October 19, 2022~~ in Case No. ~~22-399-EL-RDR~~

Issued: ~~October 20, 2022~~

Effective: ~~Cycle 1 November 2022~~

Issued by
Marc Reitter, President
AEP Ohio

OHIO POWER COMPANY

~~Original-1st~~ Revised Sheet No. 416-1
Original Sheet No. 416-1

P.U.C.O. NO. 21

BAD DEBT RIDER

Effective ~~December 1, 2021~~, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the Bad Debt Rider charge of 0.0% of the customer's distribution charges under the Company's Schedules, excluding charges under any applicable Riders.

This Rider is subject to reconciliation, including, but not limited to, refunds to customers, based upon the results of audits ordered by the Commission in accordance with the ~~February 25, 2015~~ Opinion and Order in Case No. ~~13-2385-EL-SSO~~.

Filed pursuant to Order dated ~~November 17, 2021~~ in Case No. ~~20-585-EL-AIR~~

Issued: ~~November 22, 2021~~

Effective: ~~December 1, 2021~~

Issued by
Marc Reitter, President
AEP Ohio

OHIO POWER COMPANY

~~2nd~~ 1st Revised Sheet No. 420-1
Cancels ~~Original 2nd~~ Sheet No. 420-1

P.U.C.O. NO. 21

ECONOMIC DEVELOPMENT COST RECOVERY RIDER

Effective Cycle 1 ~~October 2022~~, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the Economic Development Cost Recovery charge of 3.77608% of the customer's distribution charges under the Company's Schedules, excluding charges under any applicable Riders. This Rider shall be adjusted periodically to recover amounts authorized by the Commission.

This Rider is subject to reconciliation, including, but not limited to, refunds to customers, based upon the results of audits ordered by the Commission in accordance with the ~~February 25, 2015~~ Opinion and Order in Case Nos. ~~13-2385-EL-SSO~~, et al.

Filed pursuant to Order dated ~~September 21, 2022~~ in Case No. ~~22-0745-EL-RDR~~

Issued: ~~September 23, 2022~~

Effective: ~~Cycle 1 October 2022~~

Issued by
Marc Reitter, President
AEP Ohio

OHIO POWER COMPANY

Original Sheet No. 424-1

P.U.C.O. NO. 21

RETAIL RECONCILIATION RIDER

Effective ~~June 1, 2018~~ all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the monthly Retail Reconciliation Rider charge of \$0.0 per kWh.

This Rider is subject to reconciliation, including, but not limited to, refunds to customers, based upon the results of audits ordered by the Commission in accordance with the ~~April 25, 2018~~ Opinion and Order in Case No. ~~16-1852-EL-SSO~~.

Filed pursuant to Order dated ~~November 17, 2021~~ in Case No. ~~20-585-EL-AIR~~

Issued: ~~November 22, 2021~~

Effective: ~~December 1, 2021~~

Issued by
Marc Reitter, President
AEP Ohio

OHIO POWER COMPANY

Original 1st Revised Sheet No. 425-1
Cancels Original Sheet No. 425-1

P.U.C.O. NO. 21

SSO CREDIT RIDER

Effective ~~December 1, 2021~~, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the SSO Credit Rider credit as follows:

Schedule	¢/kWh
Residential RS, RSDM, RS-ES, RLM, RS-TOD, RS-TOU	(0.0)
Non Demand Metered GS-1, GS Recreational Lighting, GS1 ES, GS2 ES, GS-TOD, GS-2-TOD, GS-2-LMTOD, GS-TOU, EHS, SS	(0.0)
Demand Metered Secondary GS, EHG	(0.0)
Demand Metered Primary GS	(0.0)
Demand Metered Transmission GS	(0.0)
Lighting AL, SL	0.00000

This Rider is subject to reconciliation, including, but not limited to, refunds to customers, based upon the results of audits ordered by the Commission in accordance with the ~~April 25, 2018~~ Opinion and Order in Case No. ~~16-1852-EL-SSO~~.

Filed pursuant to Order dated ~~November 17, 2021~~ in Case No. ~~20-585-EL-AIR~~

Issued: ~~November 22, 2021~~

Effective: ~~December 1, 2021~~

Issued by
Marc Reitter, President
AEP Ohio

OHIO POWER COMPANY

1st Revised Sheet No. 428-1
Cancels Original Sheet No. 428-1

P.U.C.O. NO. 21

POWER FORWARD RIDER

Effective Cycle 1 June 2018 all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the monthly Power Forward Rider charge of \$0.00.

This Rider is subject to reconciliation, including, but not limited to, refunds to customers, based upon the results of audits ordered by the Commission in accordance with the April 25, 2018 Opinion and Order in Case No. 16-1852-EL-SSO.

Filed pursuant to Order dated April 25, 2018 in Case No. 16-1852-EL-SSO

Issued: May 8, 2018

Effective: Cycle 1 June 2018

Issued by
Marc Reitter, President
AEP Ohio

OHIO POWER COMPANY

~~4th~~ ~~3rd~~ Revised Sheet No. 430-1
Cancels ~~3rd~~ ~~2nd~~ Revised Sheet No. 430-1

P.U.C.O. NO. 21

SMART CITY RIDER

Effective ~~Cycle 1 September 2022~~, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the monthly Smart City Rider charge. This Rider shall be adjusted periodically to recover amounts authorized by the Commission. This rider is subject to reconciliation, including, but not limited to, refunds to customers, based upon the results of audits ordered by the Commission in accordance with the ~~April 25, 2018~~ Opinion and Order in Case No. ~~16-1852-EL-SSO~~.

Residential Customers	\$0.59 0-24 /month
Non-Residential Customers	\$3.00 1-22 /month

Filed pursuant to Order dated ~~November 17, 2021~~ in Case No. ~~20-585-EL-AIR~~

Issued: ~~July 29, 2022~~

Effective: ~~Cycle 1 September 2022~~

Issued by
Marc Reitter, President
AEP Ohio

OHIO POWER COMPANY

~~Original~~ 1st Revised Sheet No. 432-1
~~Cancels Original Sheet No. 432-1~~

P.U.C.O. NO. 21

TAX SAVINGS CREDIT RIDER (TSCR)

Effective ~~December 1, 2021~~, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the monthly Tax Savings Credit Rider.

Residential	\$ (0.000230) per KWH
Non-Residential	\$ (0.000620) per KWH

This Rider is subject to reconciliation, including, but not limited to, refunds to customers, based upon results of audits ordered by the Commission in accordance with the ~~October 3, 2018~~ Opinion and Order in Case No. ~~18-1451-EL-ATA~~.

Filed pursuant to Order dated ~~November 17, 2021~~ in Case No. ~~20-585-EL-AIR~~

Issued: ~~November 22, 2021~~

Effective: ~~December 1, 2021~~

Issued by
Marc Reitter, President
AEP Ohio

OHIO POWER COMPANY

P.U.C.O. NO. 21

CUSTOMER EXPERIENCE RIDER (CER)

Effective _____, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the monthly Customer Experience Rider charge. This Rider shall be adjusted periodically to recover amounts authorized by the Commission. This Rider is subject to reconciliation, including, but not limited to, refunds to customers, based upon the results of audits ordered by the Commission in accordance with the _____ Opinion and Order in Case No. _____.

Residential Customers
Non-Residential Customers

\$0.75/month
\$3.78/month

Filed pursuant to Order dated _____ in Case No. _____

Issued: _____

Issued by
Marc Reitter, President
AEP Ohio

Effective: _____

OHIO POWER COMPANY

P.U.C.O. NO. 21

OHIO FIRST RIDER

This is a placeholder rider and no cost allocation or recovery shall occur at this time.

The Company will seek available federal and state funding to cover costs for eligible projects to improve the reliability and resiliency of the power grid. The Ohio First Rider will recover any remaining project costs not covered by federal/state funding as well as the costs incurred to apply for the funding and applicable taxes.

This Rider is subject to reconciliation, including, but not limited to, refunds to customers, based upon the results of audits ordered by the Commission in accordance with the _____ Opinion and Order in Case No. _____-EL-SSO.

Filed pursuant to Order dated _____ in Case No. _____

Issued: _____

Issued by
Marc Reitter, President
AEP Ohio

Effective: _____

OHIO POWER COMPANY

P.U.C.O. NO. 21

RURAL ACCESS RIDER (RAR)

Effective _____, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the monthly Rural Access Rider charge. This Rider shall be adjusted periodically to recover amounts authorized by the Commission. This Rider is subject to reconciliation, including, but not limited to, refunds to customers, based upon the results of audits ordered by the Commission in accordance with the _____ Opinion and Order in Case No. _____.

Residential Customers
Non-Residential Customers

\$0.18/month
\$0.91/month

Filed pursuant to Order dated _____ in Case No. _____

Issued: _____

Issued by
Marc Reitter, President
AEP Ohio

Effective: _____

OHIO POWER COMPANY

Original Sheet No. 437-1

P.U.C.O. NO. 21

ENERGY EFFICIENCY (EE) RIDER

Effective _____, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the monthly EE Rider as follows:

<u>Rate</u>	<u>¢/kWh</u>
<u>Residential Customers</u>	<u>0.17578</u>
<u>Non - Residential</u>	<u>0.07621</u>

This Rider is not applicable to mercantile customers who do not opt-in to the Company's EE Program.

This Rider shall be adjusted periodically to recover amounts authorized by the Commission. This Rider is subject to reconciliation, including, but not limited to, refunds to customers, based upon the results of audits ordered by the Commission in accordance with the _____ Opinion and Order in Case No. _____ - EL-SSO.

Filed pursuant to Order dated _____ in Case No. _____

Issued: _____

Issued by
Marc Reitter, President
AEP Ohio

Effective: _____

OHIO POWER COMPANY

P.U.C.O. NO. 21

GOVERNMENT AGGREGATION STANDBY RIDER (GASR)

This is a placeholder rider and no cost allocation or recovery shall occur at this time. Additional terms will be submitted when the Company makes a filing to reset the rate.

Prior to the start date of an aggregation contract, the aggregator will elect to take standby service. The charge for the standby service will be collected through the contract term of the aggregation contract. If the customers are dropped by the aggregator, the customers will fall under the current SSO rate.

If the aggregator elects not to take standby service, no standby service fee is applied. However, if customers are dropped, a market priced rate will be applied at that point in time.

Filed pursuant to Order dated _____ in Case No. _____

Issued: _____

Issued by
Marc Reitter, President
AEP Ohio

Effective: _____

OHIO POWER COMPANY

~~1st~~ ^{2nd} Revised Sheet No. 450-1
~~1st Revised Cancels Original~~ Sheet No. 450-1

P.U.C.O. NO. 21

GENERATION ENERGY RIDER

Effective ~~June 1, 2022~~, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the Generation Energy charge as follows:

Schedule	Summer (Jun-Sep)	Winter (Oct-May)
	¢/KWH	¢/KWH
Residential RS, RSDM, RS-TOD, RS-TOU, RS-SC, RS-PEV	6.04100	6.04100
PIPP Residential RS, RSDM, RS-TOD, RS-TOU	14.78600	14.78600
Non Demand Metered GS-1, GS Recreational Lighting, GS-TOD, GS-TOU, EHS, SS	6.04100	6.04100
Demand Metered Secondary GS, EHG, BUS-PEV	6.04100	6.04100
Demand Metered Primary GS, BUS-PEV	5.83800	5.83800
Demand Metered Subtransmission/Transmission GS, BUS-PEV	5.73200	5.73200
Lighting AL, SL	6.04100	6.04100

Filed pursuant to Order dated ~~May 18, 2022~~ in Case No. ~~22-0486-EL-RDR~~

Issued: ~~May 19, 2022~~

Issued by
Marc Reitter, President
AEP Ohio

Effective: ~~June 1, 2022~~

OHIO POWER COMPANY

~~2nd 1st Revised~~ Sheet No. 451-1
Cancels ~~1st Revised~~ Original Sheet No. 451-1

P.U.C.O. NO. 21

GENERATION CAPACITY RIDER

Effective ~~June 1, 2022~~, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the Generation Capacity charge as follows:

Columbus Southern Power Rate Zone

Rate		¢/kWh or \$/Month
RS RS-PEV, RS-SC		0.58100
RS-TOU ¹	<u>On-Peak Hours</u> <u>Off-Peak Hours</u>	4.85453 0.00000
RLM	<u>Winter Rate</u> First 750 KWH Next 150 KWH All Other KWH <u>Summer Rate</u> First 750 KWH Next 150 KWH All Other KWH	0.80592 0.43614 0.51006 0.80592 0.76558 0.71634
RS-ES, RS-TOD	On Peak KWH Off-Peak KWH	1.00544 0.34494
GS-1		0.49100
GS-2-TOD, GS-2 LMTOD	On-Peak Hours Off-Peak Hours	1.46956 0.00502
GS-TOU ¹	On-Peak Hours Off-Peak Hours	4.11797 0.00000
Demand Metered Secondary BUS-PEV²	On-Peak Hours Off-Peak Hours	0.54580 0.23550
Demand Metered Primary BUS-PEV²	On-Peak Hours Off-Peak Hours	0.44159 0.18650
Demand Metered Transmission BUS-PEV²	On-Peak Hours Off-Peak Hours	0.33530 0.13900
Demand Metered Secondary GS		0.47100
Demand Metered Primary GS		0.37300
Demand Metered Transmission GS		0.27800

¹ Applicable only to customers with AMI meters. On-Peak hours applies to all weekdays, except the legal holidays of New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day. November through April 6AM to 9AM and May through October 2PM through 6PM.

² ~~On-peak billing period is defined as 6 a.m. to 11 p.m. Off-peak billing period is defined as those hours not designated as on-peak hours~~

Seasonal Periods

The winter period shall be the billing months of October through May and the summer period shall be the billing months of June through September.

Filed pursuant to Order dated ~~May 18, 2022~~ in Case No. ~~22-0486-EL-RDR~~

Issued: ~~May 19, 2022~~

Effective: ~~June 1, 2022~~

Issued by
Marc Reitter, President
AEP Ohio

OHIO POWER COMPANY

~~2nd 1st Revised~~ Sheet No. 451-1
Cancels ~~1st Revised~~ Original Sheet No. 451-2

P.U.C.O. NO. 21

GENERATION CAPACITY RIDER

Effective ~~June 1, 2022~~, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the Generation Capacity charge as follows:

Ohio Power Rate Zone

Rate		¢/kWh or \$/Month
RS, RS-PEV, RS-SC		0.58100
RS – TOU ¹	On-Peak Hours	4.85453
	Off-Peak Hours	0.00000
RS-ES, RS-TOD	On Peak KWH	1.20315
	Off-Peak KWH	0.33145
GS-1, EHS, SS, GS Recreational Lighting		0.49100
GS – TOU ¹	On-Peak Hours	4.11797
	Off-Peak Hours	0.00000
GS-1 ES	On-Peak Hours	1.00434
	Off-Peak Hours	0.21924
GS-TOD, GS-2ES	On-Peak Hours	0.80447
	Off-Peak Hours	0.27711
Demand Metered Secondary BUS-PEV²	On-Peak Hours	0.54580
	Off-Peak Hours	0.23550
Demand Metered Primary BUS-PEV²	On-Peak Hours	0.44159
	Off-Peak Hours	0.18650
Demand Metered Transmission BUS-PEV²	On-Peak Hours	0.33530
	Off-Peak Hours	0.13900
Demand Metered Secondary GSEHG		0.47100
Demand Metered Primary GS		0.37300
Demand Metered Transmission GS		0.27800

¹ Applicable only to customers with AMI meters. On-Peak hours applies to all weekdays, except the legal holidays of New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day. November through April 6AM to 9AM and May through October 2PM through 6PM.

² On-peak billing period is defined as 6 a.m. to 11 p.m. Off-peak billing period is defined as those hours not designated as on-peak hours

Filed pursuant to Order dated ~~May 18, 2022~~ in Case No. ~~22-0486-EL-RDR~~

Issued: ~~May 19, 2022~~

Effective: ~~June 1, 2022~~

Issued by
Marc Reitter, President
AEP Ohio

OHIO POWER COMPANY

45th Revised Sheet No. 452-1
Cancels 3rd 4th Sheet No. 452-1

P.U.C.O. NO. 21

AUCTION COST RECONCILIATION RIDER

Effective Cycle 1 ~~October 2022~~, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the Auction Cost Reconciliation Rider rate of 0.30549¢/KWH. This Rider shall be adjusted periodically to recover amounts authorized by the Commission. This Rider is subject to reconciliation, including, but not limited to, refunds to customers, based upon the results of audits ordered by the Commission in accordance with the ~~February 25, 2015~~ Opinion and Order in Case Nos. ~~13-2385-EL-SSO~~, *et al.*

Filed pursuant to Order dated ~~April 25, 2018~~ in Case No. ~~16-1852-EL-SSO~~

Issued: ~~August 31, 2022~~

Issued by
Marc Reitter, President
AEP Ohio

Effective: Cycle 1 ~~October 2022~~

OHIO POWER COMPANY

~~Original~~ 1st Revised Sheet No. 453-1
Cancels Original Sheet No. 453-1

P.U.C.O. NO. 21

ENERGY EFFICIENCY AND PEAK DEMAND REDUCTION COST RECOVERY RIDER

Effective ~~December 1, 2021~~ all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the Energy Efficiency and Peak Demand Reduction Cost Recovery charge as follows:

Class	\$/bill	\$/kWh	\$/kW	% of base distribution
Residential		0.0000000		
General Service Non Demand Metered	0.00	0.0000000		
County and Independent Fairs	0.00	0.0000000		
General Service Demand Metered		0.0000000	0.00	
Lighting		0.0000000		0.00000%

If approved by the Commission, mercantile customers that have committed their demand response or other customer-sited capabilities, whether existing or new, for integration into the Company's demand response, energy efficiency or peak demand reduction programs, may be exempted from this Rider.

This Rider is subject to reconciliation, including, but not limited to, refunds to customers, based upon the impact to the carrying charge rate recovered through this Rider of changes in Federal corporate income taxes due to the Tax Cuts and Jobs Act of 2017 or based upon the results of audits ordered by the Commission in accordance with the ~~January 18, 2017~~ Opinion and Order in Case No. ~~16-574-EL-POR~~.

Filed pursuant to Order dated ~~November 17, 2021~~ in Case No. ~~20-585-EL-AIR~~

Issued: ~~November 22, 2021~~

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Issued by
Marc Reitter, President
AEP Ohio

OHIO POWER COMPANY

~~Original 1st Revised~~ Sheet No. 454-1
~~Cancels Original Sheet No. 454-1~~

P.U.C.O. NO. 21

ALTERNATIVE ENERGY RIDER

Ohio Power Rate Zone

Effective Cycle 1 ~~October 2020~~_____, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the Alternative Energy Rider charge per kWh as follows:

<u>Delivery Voltage</u>	<u>Charge</u> (¢/kWh)
Secondary	0.38973
Primary	0.37618
Subtransmission/Transmission	0.36866

Columbus Southern Power Rate Zone

Effective Cycle 1 ~~October 2020~~_____, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the Alternative Energy Rider charge per kWh as follows:

<u>Delivery Voltage</u>	<u>Charge</u> (¢/kWh)
Secondary	0.38973
Primary	0.37618
Subtransmission/Transmission	0.36866

This Rider shall be adjusted periodically to recover amounts authorized by the Commission. This rider shall not be applicable for any mercantile customer that self-assess the kilowatt hour tax rider. This Rider is subject to reconciliation, including, but not limited to, refunds to customers, based upon the impact to the carrying charge rate recovered through this Rider of changes in Federal corporate income taxes due to the Tax Cuts and Jobs Act of 2017 or based upon the results of audits ordered by the Commission in accordance with the ~~February 25, 2015~~_____, Opinion and Order in Case Nos. ~~13-2385-EL-SSO~~_____, et al.

Filed pursuant to Order dated ~~April 25, 2018~~_____ in Case No. ~~16-1852-EL-SSO~~_____

Issued: ~~September 1, 2020~~_____

Effective: Cycle 1 ~~October 2020~~_____

Issued by
Marc Reitter, President
AEP Ohio

OHIO POWER COMPANY

~~Original~~1st Revised Sheet No. 470-1
Original Sheet No. 470-1

P.U.C.O. NO. 21

RIDER IRP-L
(Interruptible Power – Discretionary - Legacy)

Availability of Service

Service pursuant to this rider is available to legacy customers who have remained participants in the IRP-D program continuously since 2015 and have provided reasonable evidence to the Company that their electric service can be interrupted within a 10-minute notice period. Legacy customers shall contract for electrical capacity sufficient to meet normal maximum requirements but not less than 1,000 KW of interruptible capacity.

The interruptible power contract capacity for all legacy customers served under this rider, contracts and agreements offered by the Company will be limited to 200,000 kW total in the Company's Ohio service area. Each legacy customer is limited to the amount of interruptible service currently under contract. If a legacy customer reduces the amount of interruptible load under contract, the new lower interruptible contract volume shall be the maximum amount of interruptible service eligible for this service.

In the event of a local emergency or if the Company receives an interruptible notice originating from PJM, the Company will issue an interruption notification. Each customer participating in this rider is responsible for providing and maintaining current contract information with the Company. All costs associated with providing the required Customer Communications System will be borne by the legacy customer.

Interruption Notice

The Company will endeavor to provide the customer with as much advance notice as reasonably possible of an upcoming emergency interruption. Such notice shall specify the starting and ending hour of the interruption if known. If an emergency situation requires an immediate action by AEP Ohio, the customer will be required to interrupt service immediately. The Company may notify the legacy customer of interruptions of their service due to actions of the regional transmission organization.

Failure to Comply With A Request For Interruption

1. If the legacy customer fails to interrupt load as requested by the Company for an emergency interruption, the customer will be required to refund all rate discounts received under this rider during the preceding 12 months for the uninterrupted demand. The uninterrupted demand will be calculated as the difference between the maximum 30-minute integrated demand during each emergency interruption and the sum of the legacy customer's contract capacities under any schedule where service is not interrupted. The rate discount will be the Demand Credit as specified in this rider.
2. If the legacy customer fails to interrupt load as requested by the Company during an emergency interruption, the Company further reserves the right to:
 - a) Interrupt the customer's entire interruptible load.

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Marc Reitter, President
AEP Ohio

OHIO POWER COMPANY

~~Original~~ 1st Revised Sheet No. 470-2
Original Sheet No. 470-2

P.U.C.O. NO. 21

RIDER IRP-L
(Interruptible Power – Discretionary - Legacy)

Failure to Comply With A Request For Interruption (Cont'd)

- b) Discontinue service to the customer under this rider if the customer fails to interrupt load twice during any 12-month period as requested by the Company. The Company may thereafter charge the customer, as specified in the Term of Contract provision of this rider, for any additional costs beyond the firm service rate incurred by the Company as a result of the customer transferring to firm service without providing proper notice.

Term of Contract

Contracts under this rider shall be made for a period of not less than one (1) PJM delivery year (June 1 through May 31) with notice to participate due by April 1st each year.

Capacity Payment Contributions

- Each legacy customer shall bid its eligible interruptible capacity in either the PJM Base Residual Auction or a PJM Incremental Auction. Capacity and emergency energy revenues net of administrative fees obtained from such capacity contract(s) sales shall be paid to the Company for distribution in the Economic Development Rider. Failure by the legacy customer to properly account for, document when requested, and make full payment of capacity and emergency energy revenues to AEP Ohio may result in dismissal from the program and request for full payment with reasonable interest.
- Each legacy customer may continue to act as their own curtailment service provider or employ a PJM qualified curtailment service provider so long as the legacy customer, as a condition of continued participation in the program, actively bid their interruptible capacity into the PJM auctions, and stand ready to account for and document the collection and payment to AEP Ohio of the interruptible capacity and emergency energy revenues. The Legacy Customer program will sunset with the June 1, ~~2024-2030~~ billing cycle.

Monthly Rate

In addition to the monthly charges for service under the applicable standard service rate schedule under which the customer receives service, the customer shall receive a Demand Credit for monthly interruptible demand as follows:

Generation Demand Credit (\$ per KW)

<u>Service Type</u>	<u>Beginning</u>	<u>Beginning</u>	<u>Beginning</u>	<u>Beginning</u>	<u>Beginning</u>	<u>Beginning</u>
	<u>June 1, 2018</u>	<u>June 1, 2025</u>	<u>June 1, 2026</u>	<u>June 1, 2027</u>	<u>June 1, 2028</u>	<u>June 1, 2029</u>

Filed pursuant to ~~Order dated November 17, 2021~~ in Case No. ~~20-585-EL-AIR~~

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Issued by
Marc Reitter, President
AEP Ohio

OHIO POWER COMPANY

~~Original~~ 1st Revised Sheet No. 470-3
Original Sheet No. 470-3

P.U.C.O. NO. 21

RIDER IRP-L
(Interruptible Power – Discretionary - Legacy)

<u>Transmission</u>	<u>(\$9.00)</u>	<u>(\$8.00)</u>	<u>(\$7.00)</u>	<u>(\$6.00)</u>	<u>(\$5.00)</u>	<u>(\$4.00)</u>
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<u>Service Years</u>	<u>Prior to-</u>	<u>Beginning</u>
	<u>June 1,</u>	<u>June 1,</u>
	<u>2018</u>	<u>2018</u>
<u>Subtransmission</u>	<u>(8.21)</u>	<u>(9.00)</u>
<u>Transmission</u>	<u>(8.21)</u>	<u>(9.00)</u>

The Demand Credit shall apply to the customer's monthly interruptible demand. Monthly interruptible demand shall be the difference between the monthly billing demand determined in accordance with the standard service rate schedule under which the customer receives service and the customer designated firm service contract capacity. In no event shall the customer's monthly interruptible demand be greater than the customer's interruptible service contract capacity.

Special Terms and Conditions

This rider is subject to the Company's Terms and Conditions of Service and all provisions of the rate schedule under which the customer takes service.

Filed pursuant to ~~Order dated November 17, 2021~~ _____ in Case No. ~~20-585-EL-AIR~~ _____

Issued: ~~November 22, 2021~~ _____

Effective: ~~December 1, 2021~~ _____

Issued by
Marc Reitter, President
AEP Ohio

OHIO POWER COMPANY

~~Original-1st Revised~~ Sheet No. 471-1
Original Sheet No. 471-1

P.U.C.O. NO. 21

RIDER IRP-E
(Interruptible Power – Discretionary - Expanded)

Availability of Service

Service pursuant to this rider is available to customers that have provided reasonable evidence to the Company that their electric service can be interrupted in accordance with this rider and is limited to the inclusion of agreed upon customers and load limitations established in Case No. ~~16-1852~~ -EL-SSO. Customers participating in this rider shall enter into a contract with the Company, and as part of that contract shall designate the customer's firm service level and its interruptible demand of not less than 1,000 kW of interruptible capacity.

The total interruptible power contract capacity for all existing customers served under this rider will be limited to ~~280,000 kW of which 160,000 kW of load shall be from existing customers and any new industry customers shall operate in the context of a reasonable arrangement and 120,000 kW of load shall be from customers new to the service area~~ as ordered in Case No. ~~16-1852~~ -EL-SSO. ~~Once 160,000 kW have been enrolled, new participants or load expansions of existing customers will not be admitted into the program.~~

In the event of a local emergency or if the Company receives an interruption notice originating from PJM, the Company will issue an interruption notification. Each customer participating in this rider is responsible for providing and maintaining current contact information with the Company. All costs associated with providing the initial, required Customer Communications System will be borne by the customer.

Enrollment, Registration and Participation in PJM Demand Response Programs

Participation in this rider does not preclude the customer from also participating in other PJM demand response programs through a Curtailment Service Provider. Customers are permitted to retain any compensation received by PJM for their participation in those programs. Except for the first year of the IRP Expanded Service, enrollment in the IRP Expanded Service program shall be for a PJM Delivery Year at a time. Customers have an option to opt-out of their participation for any future PJM year upon timely notification. An IRP Expanded Service customer who opts-out of the program may opt-in for a future PJM year. Opt-out notification for the upcoming PJM calendar year must be provided to the Company on or before April 1st. If a customer does not opt-out by the April 1st date, they are deemed participating for the following PJM Delivery Year (June 1 through May 31).

Interruption Notice

The Company will endeavor to provide the customer as much advance notice as possible of an upcoming emergency interruption, but a customer will not be required to interrupt on less than 30 minutes notice. Such notice shall specify the starting and ending hour of the interruption if known. The Company may notify the customer of interruptions of their service due to actions of PJM.

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Marc Reitter, President
AEP Ohio

OHIO POWER COMPANY

~~Original-1st Revised~~ Sheet No. 471-2
Original Sheet No. 471-2

P.U.C.O. NO. 21

RIDER IRP-E
(Interruptible Power – Discretionary - Expanded)

Failure to Comply With A Request For Interruption

1. If the customer fails to interrupt load as requested by the Company for an emergency interruption, the customer will be required to refund all rate discounts received under this rider during the preceding 12 months for the uninterrupted demand. The uninterrupted demand will be calculated as the difference between the maximum 30-minute integrated demand during each emergency interruption and the firm service level contracted for by the customer in its agreement with the Company. The rate discount will be the Demand Credit as specified in this rider.
2. If the customer materially fails two or more times during any 12-month period to interrupt load during an emergency interruption as requested by the Company, the Company further reserves the right to discontinue service to the customer under this rider.

Term of Contract

Contracts under this rider shall be made for a period of not less than one (1) PJM delivery year (June 1 through May 31) with notice to participate due by April 1st each year.

Monthly Rate

In addition to the monthly charges for service under the applicable rate schedule under which the customer receives service, the customer shall receive a Demand Credit for monthly interruptible demand as follows:

The Demand Credit shall be determined by multiplying the customer's monthly interruptible demand times the PJM Base Residual Auction market rate for the AEP Zone times 0.7. Monthly interruptible demand shall be the difference between the monthly billing demand determined in accordance with the applicable rate schedule under which the customer receives service and the customer's designated firm service contract capacity. In no event shall the customer's monthly interruptible demand be greater than the customer's interruptible demand specified in its contract.

Special Terms and Conditions

This rider is subject to the Company's Terms and Conditions of Service and all provisions of the rate schedule under which the customer takes service.

In delivery years when there are no emergency or pre-emergency events, the customer agrees to provide the Company the results of any interruption tests performed in accordance with the PJM tariff as evidence of the customer's ability to interrupt. If the customer does not participate in PJM in a delivery year, the Company shall verify the customer's ability to interrupt through a comparable test. Failure to provide this testing information or failure to adequately perform during such a test shall be considered a failure to interrupt under this rider.

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Marc Reitter, President
AEP Ohio

OHIO POWER COMPANY

~~Original~~ ^{1st} Revised Sheet No. 471-3
Original Sheet No. 471-3

P.U.C.O. NO. 21

RIDER IRP-E
(Interruptible Power – Discretionary - Expanded)

Participation in this rider will discontinue once the cost threshold established in Case No. ~~16-1852~~ - EL-SSO is reached. The Company will calculate the values provided under the tariff and attempt to provide as much notice as possible to participating customers before the rider discontinues.

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Marc Reitter, President
AEP Ohio

OHIO POWER COMPANY

Cancels 1st Revised Sheet No. 472-1
Original Sheet No. 472-1

P.U.C.O. NO. 21

AUTOMAKER CREDIT RIDER

Availability

This rider is available to customers utilizing or expanding automaker facilities. For purposes of this rider, "automaker" shall refer to a company that manufactures automobiles.

Eligible customers must contact the Company to participate in this rider. Eligible customers that elect to participate will remain subject to this rider until providing the Company with notice of termination of participation.

Monthly Rate

In addition to the monthly charges for service under the applicable standard service rate schedule under which the customer receives service, the customer shall receive an Energy Credit of \$0.01 per kWh for all monthly kWh consumption above the customer's monthly baseline consumption, subject to the Rider Annual Cap. Monthly charges for all kWh consumption at or below the customer's monthly baseline consumption shall be priced according to the customer's standard service rate schedule.

Baseline Consumption

A customer's monthly baseline consumption shall be equal to one-twelfth of the customer's calendar year 2009 annual usage.

Rider Annual Cap

Total credits under this rider for all customers combined shall not exceed \$500,000 in any calendar year. In the event that one or more monthly customer bills contain kWh consumption which would cause the total calendar year credits under this rider to exceed the Annual Cap, the Company will divide the remaining credits under the Annual Cap equally among eligible customer bills for that month.

Special Terms and Conditions

This rider is subject to the Company's Terms and Conditions of Service and all provisions of the rate schedule under which the customer takes service.

Filed pursuant to Order dated _____ in Case No. _____

Issued: _____

Issued by
Marc Reitter, President
AEP Ohio

Effective: _____

OHIO POWER COMPANY

1st Revised Sheet No. 474-1
Cancels Original Sheet No. 474-1

P.U.C.O. NO. 21
SCHEDULE AFS
(Alternate Feed Service Rider)

Availability of Service

Standard Alternate Feed Service (AFS) is a premium service providing a redundant distribution service through a redundant distribution line and distribution station transformer, with automatic or manual switch-over and recovery, which provides increased reliability for distribution service. Schedule AFS applies to those customers requesting new or upgraded AFS after the effective date of this schedule. Schedule AFS also applies to existing customers who presently receive AFS under a contract. In the case where existing customers are grandfathered under contract for AFS with no or partial monthly fees, they will transition to the terms of this schedule if they desire to maintain AFS service when the Company must make expenditures in order to continue providing such service.

Schedule AFS is available to customers served under Schedule GS, who request an AFS from existing distribution facilities which is in addition to the customer's basic service, provided that the Company can reasonably provide available capacity from alternate distribution facilities. AFS is preferred at Primary distribution voltage but will be offered at Secondary distribution voltage when practical.

System Impact Study Charge

The Company shall charge the customer for the cost incurred by the Company to conduct a system impact study for each site reviewed. The study will consist of, but is not limited to, the following: (1) identification of customer load requirements, (2) identification of the potential facilities needed to provide the AFS, (3) determination of the impact of AFS loading on all electrical facilities under review, (4) evaluation of the impact of the AFS on system protection and coordination issues including the review of the transfer switch, (5) evaluation of the impact of the AFS request on system reliability indices and power quality, (6) development of cost estimates for any required system improvements or enhancements required by the AFS, and (7) documentation of the results of the study. The Company will provide to the customer an estimate of charges for this study and payment is required prior to its initiation. Should the customer plan to increase the AFS demand the customer will be charged for any subsequent system impact studies.

Equipment and Installation Charge

The customer shall pay, in advance of construction, a nonrefundable amount for the equipment and installation costs for all dedicated and/or local facilities provided by the Company required to furnish either a new or upgraded AFS. The customer will not acquire any title in said facilities by reason of such payment. The equipment and installation charge shall be determined by the Company and shall include, but not be limited to, the following: (1) all costs associated with the AFS dedicated and/or local facilities provided by the Company and (2) any costs or modifications to the customer's basic service facilities.

The customer is responsible for all costs associated with providing and maintaining telephone service for use with metering to notify the Company of a transfer of service to the AFS or return to basic service.

Filed pursuant to Order dated _____ in Case No. _____

Issued: _____

Issued by
Marc Reitter, President
AEP Ohio

Effective: _____

OHIO POWER COMPANY

1st Revised Sheet No. 474-1
Cancels Original Sheet No. 474-2

P.U.C.O. NO. 21
SCHEDULE AFS
(Alternate Feed Service Rider)

Monthly Rate

The customer will pay all monthly charges for the basic service as determined under the appropriate Schedule. In addition, for each kW of contract capacity or highest demand established during the last eleven (11) months, whichever is greater, the customer shall pay the following:

Primary Voltage (Standard) AFS	\$2.54/ kW
Primary Voltage (Standard AFS to Hospitals)	\$2.50/ kW
Secondary Voltage (Standard) AFS	\$4.19/ kW

Payment

Bills are due and payable in full by mail, checkless payment plan, electronic payment plan or at an authorized payment agent of the Company within 21 days after the mailing of the bill. On accounts not so paid, an additional charge of 2.5% of the unpaid balance will be made.

AFS Capacity Reservation

The customer shall reserve a specific amount of AFS capacity equal to or less than the customer's normal maximum requirements, but in no event shall the customer's AFS capacity reservation under this Schedule exceed the capacity reservation for the customer's basic service under the appropriate tariff. The Company shall not be required to supply AFS capacity in excess of that reserved except by mutual agreement.

In the event the customer plans to increase the AFS demand at any time, the customer shall promptly notify the Company of such additional demand requirements. The customer's AFS capacity reservation and billing will be adjusted accordingly. The customer will pay the Company the actual costs of any and all additional dedicated and/or local facilities required to provide AFS in advance of construction and pursuant to a new electric service agreement for such additional AFS capacity reservation requirements. In the event the customer exceeds the agreed upon AFS capacity reservation, the Company reserves the right to disconnect the AFS. In the event the customer's AFS metered demand exceeds the agreed upon AFS capacity reservation, which jeopardizes company facilities or the electrical service to other customers, the Company reserves the right to disconnect the AFS immediately. If the Company agrees to allow the customer to continue AFS, the customer will be required to sign a new AFS agreement reflecting the new AFS capacity reservation. In addition, the customer will promptly notify the Company regarding any reduction in the AFS capacity reservation.

The customer may reserve partial-load AFS capacity, which shall be less than the customer's full requirements for basic service subject to the conditions in this provision. Prior to the customer receiving partial-load AFS capacity, the customer shall be required to demonstrate or provide evidence to the Company that they have installed demand-controlling equipment that is capable of curtailing load when a switch has been made from the basic service to the AFS. The Company reserves the right to test and verify the customer's ability to curtail load to meet the agreed upon partial-load AFS capacity reservation.

Filed pursuant to Order dated _____ in Case No. _____

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Marc Reitter, President
AEP Ohio

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OHIO POWER COMPANY

1st Revised Sheet No. 474-1
Cancels Original Sheet No. 474-3

P.U.C.O. NO. 21
SCHEDULE AFS
(Alternate Feed Service Rider)

Determination of Billing Demand

Full-Load Requirement:

For customers requesting AFS equal to their load requirement for basic service, the AFS billing demand shall be taken each month as the single-highest thirty (30) minute integrated peak as registered during the month by a demand meter or indicator, but the monthly AFS billing demand so established shall in no event be less than the greater of (a) the customer's AFS capacity reservation, (b) the customer's highest previously established monthly billing demand on the AFS during the past eleven (11) months, (c) the customer's basic service capacity reservation, or (d) the customer's highest previously established monthly billing demand on the basic service during the past eleven (11) months.

Partial-Load Requirement:

For customers requesting partial-load AFS capacity reservation that is less than the customer's full requirements for basic service, the AFS billing demand shall be taken each month as the single-highest thirty (30) minute integrated peak on the AFS as registered during the month by a demand meter or indicator, but the monthly AFS billing demand so established shall in no event be less than the greater of (a) the customer's AFS capacity reservation or (b) the customer's highest previously established monthly metered demand on the partial-load AFS during the past eleven (11) months.

The Company shall designate the demand meter or indicator, demand interval, and any metered voltage adjustments used in the determination of demand under this Schedule.

Equipment Requirements and Ownership

The customer agrees to own, install, maintain, test, inspect, operate and replace as necessary the transfer switch. The customer's transfer switch shall be set with an automatic return to the basic service and shall remain with this setting unless otherwise mutually agreed upon by the Company and customer.

The customer agrees that any replacement of transfer switches be automatic-load transfer switches, and shall be set to return from the AFS circuit automatically with a closed transition except where Company's distribution system can not accept a closed transition. In addition, the customer-owned transfer switches must meet the Company's engineering, operational and maintenance specifications and shall be approved by the Company's engineering group prior to installing the switchgear.

The Company reserves the right to periodically inspect the customer-owned transfer switch and controls and to disconnect the AFS for adverse impacts on reliability or safety. The customer agrees to test and inspect the switching facilities every twelve (12) months and perform maintenance as required. The testing, inspection and maintenance will be performed by the customer or by an outside contractor (for the customer) to ensure that the functional requirements as defined and provided by the Company continue to be met. Results of testing and inspections will be provided to the Company upon request.

Filed pursuant to Order dated _____ in Case No. _____

Issued: _____

Issued by
Marc Reitter, President
AEP Ohio

Effective: _____

OHIO POWER COMPANY

1st Revised Sheet No. 474-1
Cancels Original Sheet No. 474-4

P.U.C.O. NO. 21
SCHEDULE AFS
(Alternate Feed Service Rider)

Customer owned transfer switches, that are not automatic-load transfer switches, may continue to be used upon approval of the Company until it is determined by the Company that replacement of the transfer switch is necessary. However, during such period of use the Company and customer agree to adhere to the following operating guidelines:

- o After a transfer of service to the AFS, the customer agrees to return to the basic service within twelve (12) hours following the availability of basic service, or as mutually agreed upon by the Company and customer.
- o In the event of system constraints, the customer shall accomplish the transfer back to the basic service within ten (10) minutes after notification by the Company. However, the Company will endeavor to provide as much advance notice as possible to the customer.
- o Return to the basic service circuit will be performed manually by the customer, and will be coordinated with the Company load dispatcher.
- o In the event the customer fails to return to basic service within twelve (12) hours following the availability of basic service, or as mutually agreed upon by the Company and customer, or within ten (10) minutes of notification of system constraints, the Company reserves the right to immediately disconnect the customer's load from the AFS source.
- o If the customer does not return to the basic service as agreed upon, or as requested by the Company, the Company may also provide thirty (30) days' notice to terminate the AFS electric service agreement with the customer.
- o All of the above testing, inspection and maintenance conditions will apply.
- o All planned, non-emergency transfers requested by either the customer or the Company will be coordinated between the customer and the Company load dispatcher. The customer shall provide for a trained individual to conduct all manual switching.

Company owned transfer switches, may continue to be used upon approval of the Company until it is determined by the Company that replacement of the transfer switch is necessary. At that time the customer will be required to own, install, maintain, test, inspect and operate the transfer switch in accordance with the above terms. The customer agrees to reimburse the Company actual costs involved in maintaining the Company-owned transfer switch.

Term of Contract

The customer shall contract for a definite amount of electrical capacity in kW which shall be sufficient to meet normal maximum requirements under this Schedule, but in no event shall the customer's contract capacity under this Schedule exceed the contract capacity for the customer's basic service under the appropriate general service schedule. The Company shall not be required to supply capacity in excess of that for which the customer has contracted.

Contracts will be required for an initial period of not less than one (1) year and shall remain in effect thereafter until either party shall give the other at least six (6) months written notice of the intention to discontinue service under this Schedule.

Filed pursuant to Order dated _____ in Case No. _____

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Issued by
Marc Reitter, President
AEP Ohio

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OHIO POWER COMPANY

1st Revised Sheet No. 474-1
Cancels Original Sheet No. 474-5

P.U.C.O. NO. 21
SCHEDULE AFS
(Alternate Feed Service Rider)

A new initial contract period will not be required for existing customers who change their contract requirements after the original initial period unless new or additional facilities are required. The Company reserves the right to make initial contracts for periods longer than one (1) year.

Special Terms and Conditions

The Company will maintain operational control of the transfer switch, including the designation of the AFS and the timing of the return from the AFS to the basic service following an interruption of service or any other operating condition. At no time will the AFS be operated in parallel with the basic service without the Company's advance written approval. The Company will have sole discretion in designating the AFS circuit and the basic service circuit.

Upon receipt of a request from the customer for non-standard AFS (AFS which includes unique service characteristics different from standard AFS), the Company will provide the customer with a written estimate of all costs, including system impact study costs, and any applicable unique terms and conditions of service related to the provision of the non-standard AFS.

Disconnection of AFS under this Schedule due to reliability or safety concerns associated with customer-owned transfer switches or AFS metered demand in excess of the AFS Capacity Reservation will not relieve the customer of payments required during the remaining term of the electric service agreement.

The provisions and charges under this Schedule are subject to revision should the customer's electric service agreement for basic service be modified.

In the event the customer's electric service agreement for basic service terminates for any reason, the customer is required to fulfill all payments according to the terms of this Schedule.

The Company assumes no responsibility should the alternate distribution circuit, the transfer switch, or other equipment required to provide the AFS fail to operate as designed or be unavailable for any reason. Service under this Schedule does not guarantee that power will be available through the AFS at all times.

This Schedule is subject to the Company's Terms and Conditions of Service.

Filed pursuant to Order dated _____ in Case No. _____

Issued: _____

Issued by
Marc Reitter, President
AEP Ohio

Effective: _____

OHIO POWER COMPANY

1st Revised Sheet No. 475-1
Original Sheet No. 475-1

P.U.C.O. NO. 21

PILOT DEMAND RESPONSE RIDER

Pursuant to Commission order, this is merely a placeholder rider and no cost allocation or recovery shall occur at this time.

This Rider is subject to reconciliation, including, but not limited to, refunds to customers, based upon the results of audits ordered by the Commission in accordance with the February 25, 2015 Opinion and Order in Case No. 13-2385-EL-SSO.

Filed pursuant to Order dated November 17, 2021 in Case No. 20-585-EL-AIR

Issued: November 22, 2021

Effective: December 1, 2021

Issued by
Marc Reitter, President
AEP Ohio

In accordance with Rule 4901-1-05, Ohio Administrative Code, the PUCO's e-filing system will electronically serve notice of the filing of this document upon the following parties. In addition, I hereby certify that a service copy of the foregoing Ohio Power Company's Direct Testimony of Curtis M. Heitkamp was sent by, or on behalf of, the undersigned counsel to the following parties of record this 6th day of January 2023, via electronic transmission.

/s/ Steven T. Nourse

Steven T. Nourse

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in

Case No(s). 23-0023-EL-SSO, 23-0024-EL-AAM

Summary: Testimony DIRECT TESTIMONY OF CURTIS HEITKAMP ON BEHALF
OF OHIO POWER COMPANY electronically filed by Mr. Steven T. Nourse on
behalf of Ohio Power Company