

**BEFORE
THE PUBLIC UTILITIES COMMISSION OF OHIO**

In the Matter of the Application of)
The Dayton Power and Light Company) Case No. 21-1034-EL-RDR
d/b/a AES Ohio to Update its Economic)
Development Rider)

**APPLICATION OF THE DAYTON POWER AND LIGHT COMPANY D/B/A AES
OHIO TO UPDATE ITS ECONOMIC DEVELOPMENT RIDER**

The Dayton Power and Light Company d/b/a AES Ohio (“AES Ohio” or “the Company”) hereby submits this application to update its Economic Development Rider (“EDR”) pursuant to Administrative Code (“O.A.C”) §4901:1-38-08(A)(8) and the Finding and Order of the Public Utilities Commission of Ohio (“PUCO” or “Commission”) dated October 26, 2011, in Case Nos. 11-4503-EL-RDR, *et al.*.

In support of this Application AES Ohio states as follows:

1. AES Ohio is a public utility and electric light company as defined by O.R.C. §4905.02 and §4905.03(C) respectively, and an electric distribution utility as defined by R.C. §4928.01(A)(6).
2. O.R.C. §4905.31 permits a public utility and one or more of the utility’s customers to enter into a reasonable arrangement providing for “any other financial device that may be practicable or advantageous to the parties interested.”
3. O.R.C. §4905.31(E) provides further: “[i]n the case of a schedule or arrangement concerning a public utility electric light company, such other financial device may include a device to recover costs incurred in conjunction with any economic development and job retention program of the utility within its certified territory, including recovery of revenue foregone as a result of any such program. . .”

4. AES Ohio currently has in place one Commission approved reasonable arrangements pursuant to O.R.C. §4905.31(E) as approved by the Commission in the October 23, 2019 Finding and Order in Case No. 19-1810-EL-AEC (Fuyao Glass America, Inc.).

5. Consistent with the provisions of §4901:1-38-08(A)(8) of the Ohio Administrative Code (“O.A.C”), AES Ohio files this semiannual Application to update and reconcile the EDR.

6. In support of this Application to update the rider, the following are attached:

Schedule A-1	Redlined Tariff Schedule;
Schedule A-2	Proposed Tariff Schedule;
Schedule B-1	Summary of Proposed Rates;
Schedule C-1	EDR Cost by Tariff Class;
Schedule D-1	EDR Costs Summary;
Schedule D-2	Summary of Actual Costs;
Schedule D-3	Projected Monthly Costs Calculation;
Schedule E-1	Typical Bill Comparison; and
Workpapers	WPC-1, WPC-2, WPD-1, WPE-1

7. As set forth in Schedule E-1, the bill impacts of the EDR rate for the typical residential customer using 1000 kWh per month is projected to result in that customer experiencing a decrease of \$.02 per month for the December 2021 through May 2022 time period.

8. AES Ohio's proposed rates included in the updated EDR, as reflected in Schedule B-1 and as supported by the remaining Schedules and Workpapers, are just and reasonable and should be approved.

WHEREFORE, AES Ohio respectfully requests that the Commission approve its Application with updated tariff rates for its EDR to be made effective on a bills-rendered basis with the Company's first billing unit beginning in December 2021.

Respectfully submitted,

/s/ Michael J. Schuler
Michael J. Schuler (0082390)
*Counsel of Record
AES Ohio
1065 Woodman Drive
Dayton, OH 45432
Telephone: (937) 259-7358
Facsimile: (937) 259-7178
Email: michael.schuler@aes.com

Attorney for AES Ohio
(willing to accept electronic service)

**THE DAYTON POWER AND LIGHT COMPANY
CASE NO. 21-1034-EL-RDR**

Economic Development Rider (EDR)

**Schedule A-1
Redlined Tariff**

THE DAYTON POWER AND LIGHT COMPANY DBA AES Ohio
D39
MacGregor Park
1065 Woodman Drive
D39
Dayton, Ohio 45432

Twenty-~~Fifth-Sixth~~ Revised Sheet No.
Cancels
Twenty-~~Fourth-Fifth~~ Revised Sheet No.
Page 1 of 1

P.U.C.O. No. 17
ELECTRIC DISTRIBUTION SERVICE
ECONOMIC DEVELOPMENT RIDER

Ohio Law allows for the recovery of costs incurred as a result of economic development and job retention programs including foregone revenues. The rates and charges listed below are designed to recover the cost incurred in DP&L's service territory. The cost associated with these programs may change over time based on customer participation. The Economic Development Rider shall be assessed on kilowatt-hours (kWh) of electricity per tariff class distributed under this Schedule at the rates stated below, effective on a bills-rendered basis in the Company's first billing unit for the month of ~~June-December~~ 2021.

Residential	\$0. 00010120000831	/kWh
Residential Heating	\$0. 00010120000831	/kWh
Secondary	\$0. 00003770000364	/kWh
Primary	\$0. 0000157-0000155	/kWh
Primary-Substation	\$0. 00000390000037	/kWh
High Voltage	\$0. 00000040000004	/kWh
Private Outdoor Lighting		
3600 Lumens LED	\$0. 0027160-0008834	/lamp/month
8400 Lumens LED	\$0. 0058200-0018930	/lamp/month
9,500 Lumens High Pressure Sodium	\$0. 0075660-0024609	
/lamp/month		
28,000 Lumens High Pressure Sodium	\$0. 0186240-0060576	/lamp/month
7,000 Lumens Mercury	\$0. 01455000047325	/lamp/month
21,000 Lumens Mercury	\$0. 0298760-0097174	/lamp/month
2,500 Lumens Incandescent	\$0. 0124160-0040384	/lamp/month
7,000 Lumens Fluorescent	\$0. 0128040-0041646	/lamp/month
4,000 Lumens PT Mercury	\$0. 0083420-0027133	/lamp/month
Street Lighting	\$0. 00004590000384	/kWh

The Economic Development Rider shall be assessed until the Company's costs are fully recovered and may be revised twice a year subject to PUCO approval. This Rider is subject to reconciliation, including but not limited to, refunds to customers, based upon the results of audits as approved and ordered by the Commission.

Filed pursuant to the Finding and Order in Case No. 21-~~10340184~~-EL-RDR dated ~~May 19, 2021~~ of the Public Utilities Commission of Ohio.

Issued ~~May 25, 2021~~

Effective ~~June 1, 2021~~

Issued by
KRISTINA LUND, President and Chief Executive Officer

**THE DAYTON POWER AND LIGHT COMPANY
CASE NO. 21-1034-EL-RDR**

Economic Development Rider (EDR)

**Schedule A-2
Proposed Tariff**

P.U.C.O. No. 17
ELECTRIC DISTRIBUTION SERVICE
ECONOMIC DEVELOPMENT RIDER

Ohio Law allows for the recovery of costs incurred as a result of economic development and job retention programs including foregone revenues. The rates and charges listed below are designed to recover the cost incurred in DP&L's service territory. The cost associated with these programs may change over time based on customer participation. The Economic Development Rider shall be assessed on kilowatt-hours (kWh) of electricity per tariff class distributed under this Schedule at the rates stated below, effective on a bills-rendered basis in the Company's first billing unit for the month of December 2021.

Residential	\$0.0000831	/kWh
Residential Heating	\$0.0000831	/kWh
Secondary	\$0.0000364	/kWh
Primary	\$0.0000155	/kWh
Primary-Substation	\$0.0000037	/kWh
High Voltage	\$0.0000004	/kWh
Private Outdoor Lighting		
3600 Lumens LED	\$0.0008834	/lamp/month
8400 Lumens LED	\$0.0018930	/lamp/month
9,500 Lumens High Pressure Sodium	\$0.0024609	/lamp/month
28,000 Lumens High Pressure Sodium	\$0.0060576	/lamp/month
7,000 Lumens Mercury	\$0.0047325	/lamp/month
21,000 Lumens Mercury	\$0.0097174	/lamp/month
2,500 Lumens Incandescent	\$0.0040384	/lamp/month
7,000 Lumens Fluorescent	\$0.0041646	/lamp/month
4,000 Lumens PT Mercury	\$0.0027133	/lamp/month
Street Lighting	\$0.0000384	/kWh

The Economic Development Rider shall be assessed until the Company's costs are fully recovered and may be revised twice a year subject to PUCO approval. This Rider is subject to reconciliation, including but not limited to, refunds to customers, based upon the results of audits as approved and ordered by the Commission.

AES Ohio
Case No. 21-1034-EL-RDR
Summary of Proposed Rates

Data: Actual & Forecasted

Type of Filing: Original

Work Paper Reference No(s): WPC-2

Schedule B-1

Page 1 of 1

Line	Description	Residential	Secondary	Primary	Primary Substation	High Voltage	Street Lighting	Private Outdoor Lighting	Total	Source
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)
1	EDR Costs	\$ 235,513	\$ 70,565	\$ 20,478	\$ 1,498	\$ 205	\$ 781	\$ 770	\$ 329,809	Schedule C-1, Col (D)
2										
3	Projected Billing Determinants (kWh)	2,834,673,555	1,938,297,453	1,320,299,001	402,714,862	464,196,122	20,355,817	12,198,676	6,992,735,486	Workpaper C-2, Col (I)
4										
5	Proposed EDR Rate \$/kWh	\$ 0.0000831	\$ 0.0000364	\$ 0.0000155	\$ 0.0000037	\$ 0.0000004	\$ 0.0000384	\$ 0.0000631		Line 1 / Line 3

AES Ohio
Case No. 21-1034-EL-RDR
EDR Costs by Tariff Class

Data: Actual & Forecasted

Type of Filing: Original

Work Paper Reference No(s): WPC-1

Schedule C-1

Page 1 of 1

<u>Line</u>	<u>Description</u>	<u>Tariff Allocator</u>	<u>Total</u>	<u>Source</u>
(A)	(B)	(C)	(D)	(E)
		Workpaper C-1 Col (D)		
1	Total EDR Costs Including Carrying Costs		\$ 329,809	Schedule D-1, Col (F), Line 10
2				
3	Residential	71.41%	\$ 235,513	Line 1, Col (D) * Line 3, Col (C)
4	Secondary	21.40%	\$ 70,565	Line 1, Col (D) * Line 4, Col (C)
5	Primary	6.21%	\$ 20,478	Line 1, Col (D) * Line 5, Col (C)
6	Primary Substation	0.45%	\$ 1,498	Line 1, Col (D) * Line 6, Col (C)
7	High Voltage	0.06%	\$ 205	Line 1, Col (D) * Line 7, Col (C)
8	Street Lighting	0.24%	\$ 781	Line 1, Col (D) * Line 8, Col (C)
9	Private Outdoor Lighting	<u>0.23%</u>	<u>\$ 770</u>	Line 1, Col (D) * Line 9, Col (C)
10	Total EDR Costs	100.00%	\$ 329,809	Sum Lines 3 through 9

AES Ohio
Case No. 21-1034-EL-RDR
EDR Costs Summary

Data: Actual & Forecasted

Type of Filing: Original

Work Paper Reference No(s): WPD-1

Schedule D-1

Page 1 of 1

		Actual	Forecast		
<u>Line</u>	<u>Description</u>	<u>Total through September 2021</u>	<u>October 2021 - November 2021</u>	<u>December 2021 - May 2022</u>	<u>Total</u>
(A)	(B)	(C) Schedule D-2, Col (J)	(D) Workpaper D-1, Col (F) & Col (H)	(E) Schedule D-3, Col (I)	(F) Col (C) + Col (D) + Col (E)
1	Delta Revenues:				
2	Unique Arrangement			\$ 382,628	\$ 382,628
3	Economic Development Incentives			\$ -	\$ -
4	Total EDR Costs			\$ 382,628	\$ 382,628
5	Revenue			\$ -	\$ -
6	(Over) / Under Recovery		\$42,537	\$ 382,628	\$ 425,165
7	Carrying Costs		(\$601)	\$ (984)	\$ (1,584)
8	Total (Over) / Under Recovery	\$ (94,630)	\$41,936	\$ 381,645	\$ 328,951
9	Commercial Activity Tax	\$ 1.0026	\$ 1.0026	\$ 1.0026	
10	Total EDR Costs Including Carrying Costs	\$ (94,877)	\$ 42,046	\$ 382,640	\$ 329,809

AES Ohio
Case No. 21-1034-EL-RDR
Summary of Actual Costs
March 2021 - September 2021

Data: Actual
Type of Filing: Original
Work Paper Reference No(s): WPD-1

Schedule D-2
Page 1 of 1

<u>Line</u>	<u>Description</u>	<u>Mar-21</u>	<u>Apr-21</u>	<u>May-21</u>	<u>Jun-21</u>	<u>Jul-21</u>	<u>Aug-21</u>	<u>Sep-21</u>	<u>Total</u>	<u>Source</u>
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)
1	Delta Revenues:									
2	Unique Arrangement	\$ 60,462	\$ 69,974	\$ 68,965	\$ 64,072	\$ 71,207	\$ 72,251	\$ 73,258	\$ 480,190	Accounting Records
3	Economic Development Incentives	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Accounting Records
4	Total EDR Expenses	\$ 60,462	\$ 69,974	\$ 68,965	\$ 64,072	\$ 71,207	\$ 72,251	\$ 73,258	\$ 480,190	Line 2 + Line 3
5										
6	Revenues	\$ (172,647)	\$ (137,074)	\$ (118,389)	\$ (58,897)	\$ (69,437)	\$ (71,221)	\$ (70,178)	\$ (697,844)	Workpaper D-1, Col (E)
7										
8	(Over) / Under Recovery	\$ (112,185)	\$ (67,100)	\$ (49,424)	\$ 5,175	\$ 1,770	\$ 1,030	\$ 3,080	\$ (217,654)	Line 4 + Line 6
9										
10	Carrying Costs	\$ 275	\$ (83)	\$ (316)	\$ (406)	\$ (394)	\$ (390)	\$ (383)	\$ (1,698)	Workpaper D-1, Col (H)
11										
12	(Over) / Under Recovery with Carrying Costs	\$ (111,911)	\$ (67,183)	\$ (49,740)	\$ 4,769	\$ 1,376	\$ 640	\$ 2,697	\$ (219,351)	Line 8 + Line 10
13										
14	Prior Period Balance through March 2021								\$ 124,721	Workpaper D-1, Col (I)
15										
16	Commercial Activity Tax								<u>1.0026</u>	Statutory Rate
17										
18	Total (Over) / Under Recovery with Carrying Costs								\$ (94,877)	(Line 12 + Line 14) * Line 16

AES Ohio
Case No. 21-1034-EL-RDR
Projected Monthly Cost Calculation
December 2021 - May 2022

Data: Forecasted

Type of Filing: Original

Work Paper Reference No(s): WPD-1

Schedule D-3

Page 1 of 1

<u>Line</u>	<u>Description</u>	<u>Dec-21</u>	<u>Jan-22</u>	<u>Feb-22</u>	<u>Mar-22</u>	<u>Apr-22</u>	<u>May-22</u>	<u>Total</u>	<u>Source</u>
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(K)	(L)
1	Delta Revenues:								
2	Unique Arrangement	\$ 59,921	\$ 61,358	\$ 58,337	\$ 69,974	\$ 68,965	\$ 64,072	\$ 382,628	Corporate Forecast
3	Economic Development Incentives	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Corporate Forecast
4	Total EDR Expenses	\$ 59,921	\$ 61,358	\$ 58,337	\$ 69,974	\$ 68,965	\$ 64,072	\$ 382,628	Line 2 + Line 3
5									
6	Projected Carrying Cost of (Over) / Under Recovery	(\$199)	\$ (198)	\$ (215)	\$ (197)	\$ (131)	\$ (44)	(\$984)	Workpaper D-1, Col (H)
7									
8	Projected (Over) / Under Recovery with Carrying Costs	\$ 59,723	\$ 61,160	\$ 58,123	\$ 69,777	\$ 68,834	\$ 64,028	\$ 381,645	Line 4 + Line 6
9									
10	Commercial Activity Tax							<u>1.0026</u>	Statutory Rate
11									
12	Total Projected EDR Expenses							\$ 382,640	Line 8 * Line 10

AES Ohio
Case No. 21-1034-EL-RDR
Economic Development Rider
Typical Bill Comparison
Residential

Data: Actual & Forecasted

Type of Filing: Original

Work Paper Reference: None

Schedule E-1

Page 1 of 11

Line	Level of Demand (kW)	Level of Usage (kWh)	Current Bill	Proposed Bill	Dollar Increase/ (Decrease)	Percent Increase/ (Decrease)
(A)	(B)	(C)	(D)	(E)	(F) = (E) - (D)	(G) = (F) / (D)
1	0.0	50	\$12.17	\$12.17	\$0.00	0.00%
2	0.0	100	\$16.60	\$16.60	\$0.00	0.00%
3	0.0	200	\$25.47	\$25.47	\$0.00	0.00%
4	0.0	400	\$43.25	\$43.24	(\$0.01)	-0.02%
5	0.0	500	\$52.13	\$52.12	(\$0.01)	-0.02%
6	0.0	750	\$74.34	\$74.33	(\$0.01)	-0.01%
7	0.0	1,000	\$96.23	\$96.21	(\$0.02)	-0.02%
8	0.0	1,200	\$113.77	\$113.75	(\$0.02)	-0.02%
9	0.0	1,400	\$131.29	\$131.26	(\$0.03)	-0.02%
10	0.0	1,500	\$140.06	\$140.03	(\$0.03)	-0.02%
11	0.0	2,000	\$183.86	\$183.82	(\$0.04)	-0.02%
12	0.0	2,500	\$227.46	\$227.41	(\$0.05)	-0.02%
13	0.0	3,000	\$271.03	\$270.98	(\$0.05)	-0.02%
14	0.0	4,000	\$358.21	\$358.14	(\$0.07)	-0.02%
15	0.0	5,000	\$445.40	\$445.31	(\$0.09)	-0.02%
16	0.0	7,500	\$663.33	\$663.19	(\$0.14)	-0.02%

AES Ohio
Case No. 21-1034-EL-RDR
Economic Development Rider
Typical Bill Comparison
Residential Heat (Winter)

Data: Actual & Forecasted

Type of Filing: Original

Work Paper Reference: None

Schedule E-1

Page 2 of 11

Line	Level of Demand (kW)	Level of Usage (kWh)	Current Bill (D)	Proposed Bill (E)	Dollar Increase/ (Decrease) (F) = (E) - (D)	Percent Increase/ (Decrease) (G) = (F) / (D)
(A)	(B)	(C)	(D)	(E)	(F) = (E) - (D)	(G) = (F) / (D)
1	0.0	50	\$11.83	\$11.83	\$0.00	0.00%
2	0.0	100	\$15.92	\$15.92	\$0.00	0.00%
3	0.0	200	\$24.12	\$24.12	\$0.00	0.00%
4	0.0	400	\$40.54	\$40.53	(\$0.01)	-0.02%
5	0.0	500	\$48.74	\$48.73	(\$0.01)	-0.02%
6	0.0	750	\$69.26	\$69.25	(\$0.01)	-0.01%
7	0.0	1,000	\$88.95	\$88.93	(\$0.02)	-0.02%
8	0.0	1,200	\$104.72	\$104.70	(\$0.02)	-0.02%
9	0.0	1,400	\$120.48	\$120.45	(\$0.03)	-0.02%
10	0.0	1,500	\$128.35	\$128.32	(\$0.03)	-0.02%
11	0.0	2,000	\$167.75	\$167.71	(\$0.04)	-0.02%
12	0.0	2,500	\$206.92	\$206.87	(\$0.05)	-0.02%
13	0.0	3,000	\$246.08	\$246.03	(\$0.05)	-0.02%
14	0.0	4,000	\$324.42	\$324.35	(\$0.07)	-0.02%
15	0.0	5,000	\$402.77	\$402.68	(\$0.09)	-0.02%
16	0.0	7,500	\$598.60	\$598.46	(\$0.14)	-0.02%

AES Ohio
Case No. 21-1034-EL-RDR
Economic Development Rider
Typical Bill Comparison
Residential Heat (Summer)

Data: Actual & Forecasted

Type of Filing: Original

Work Paper Reference: None

Schedule E-1

Page 3 of 11

Line	Level of Demand (kW)	Level of Usage (kWh)	Current Bill (D)	Proposed Bill (E)	Dollar Increase/ (Decrease) (F) = (E) - (D)	Percent Increase/ (Decrease) (G) = (F) / (D)
(A)	(B)	(C)	(D)	(E)	(F) = (E) - (D)	(G) = (F) / (D)
1	0.0	50	\$12.17	\$12.17	\$0.00	0.00%
2	0.0	100	\$16.60	\$16.60	\$0.00	0.00%
3	0.0	200	\$25.47	\$25.47	\$0.00	0.00%
4	0.0	400	\$43.25	\$43.24	(\$0.01)	-0.02%
5	0.0	500	\$52.13	\$52.12	(\$0.01)	-0.02%
6	0.0	750	\$74.34	\$74.33	(\$0.01)	-0.01%
7	0.0	1,000	\$96.23	\$96.21	(\$0.02)	-0.02%
8	0.0	1,200	\$113.77	\$113.75	(\$0.02)	-0.02%
9	0.0	1,400	\$131.29	\$131.26	(\$0.03)	-0.02%
10	0.0	1,500	\$140.06	\$140.03	(\$0.03)	-0.02%
11	0.0	2,000	\$183.86	\$183.82	(\$0.04)	-0.02%
12	0.0	2,500	\$227.46	\$227.41	(\$0.05)	-0.02%
13	0.0	3,000	\$271.03	\$270.98	(\$0.05)	-0.02%
14	0.0	4,000	\$358.21	\$358.14	(\$0.07)	-0.02%
15	0.0	5,000	\$445.40	\$445.31	(\$0.09)	-0.02%
16	0.0	7,500	\$663.33	\$663.19	(\$0.14)	-0.02%

AES Ohio
Case No. 21-1034-EL-RDR
Economic Development Rider
Typical Bill Comparison
Secondary Unmetered

Data: Actual & Forecasted

Type of Filing: Original

Work Paper Reference: None

Schedule E-1

Page 4 of 11

Line	Level of Demand (kW)	Level of Usage (kWh)	Current Bill (D)	Proposed Bill (E)	Dollar Increase/ (Decrease) (F) = (E) - (D)	Percent Increase/ (Decrease) (G) = (F) / (D)
(A)	(B)	(C)	(D)	(E)	(F) = (E) - (D)	(G) = (F) / (D)
1	0.0	50	\$16.64	\$16.64	\$0.00	0.00%
2	0.0	100	\$19.77	\$19.77	\$0.00	0.00%
3	0.0	150	\$22.87	\$22.87	\$0.00	0.00%
4	0.0	200	\$25.96	\$25.96	\$0.00	0.00%
5	0.0	300	\$32.19	\$32.19	\$0.00	0.00%
6	0.0	400	\$38.40	\$38.40	\$0.00	0.00%
7	0.0	500	\$44.62	\$44.62	\$0.00	0.00%
8	0.0	600	\$50.81	\$50.81	\$0.00	0.00%
9	0.0	800	\$63.24	\$63.24	\$0.00	0.00%
10	0.0	1,000	\$75.66	\$75.66	\$0.00	0.00%
11	0.0	1,200	\$88.09	\$88.09	\$0.00	0.00%
12	0.0	1,400	\$100.50	\$100.50	\$0.00	0.00%
13	0.0	1,600	\$112.55	\$112.55	\$0.00	0.00%
14	0.0	2,000	\$135.88	\$135.88	\$0.00	0.00%
15	0.0	2,200	\$147.43	\$147.43	\$0.00	0.00%
16	0.0	2,400	\$159.00	\$159.00	\$0.00	0.00%

AES Ohio
Case No. 21-1034-EL-RDR
Economic Development Rider
Typical Bill Comparison
Secondary Single Phase

Data: Actual & Forecasted

Type of Filing: Original

Work Paper Reference: None

Schedule E-1

Page 5 of 11

Line	Level of Demand (kW)	Level of Usage (kWh)	Current Bill (D)	Proposed Bill (E)	Dollar Increase/ (Decrease) (F) = (E) - (D)	Percent Increase/ (Decrease) (G) = (F) / (D)
(A)	(B)	(C)	(D)	(E)	(F) = (E) - (D)	(G) = (F) / (D)
1	5	750	\$89.28	\$89.28	\$0.00	0.00%
2	5	1,500	\$140.98	\$140.98	\$0.00	0.00%
3	10	1,500	\$162.54	\$162.54	\$0.00	0.00%
4	25	5,000	\$487.06	\$487.05	(\$0.01)	0.00%
5	25	7,500	\$631.63	\$631.62	(\$0.01)	0.00%
6	25	10,000	\$776.21	\$776.20	(\$0.01)	0.00%
7	50	15,000	\$1,244.65	\$1,244.63	(\$0.02)	0.00%
8	50	25,000	\$1,817.36	\$1,817.33	(\$0.03)	0.00%
9	200	50,000	\$4,324.84	\$4,324.78	(\$0.06)	0.00%
10	200	100,000	\$7,188.46	\$7,188.33	(\$0.13)	0.00%
11	300	125,000	\$9,337.36	\$9,337.20	(\$0.16)	0.00%
12	500	200,000	\$15,033.25	\$15,032.99	(\$0.26)	0.00%
13	1,000	300,000	\$24,300.99	\$24,300.60	(\$0.39)	0.00%
14	1,000	500,000	\$35,665.53	\$35,664.88	(\$0.65)	0.00%
15	2,500	750,000	\$60,627.59	\$60,626.62	(\$0.97)	0.00%
16	2,500	1,000,000	\$74,588.09	\$74,586.79	(\$1.30)	0.00%

AES Ohio
Case No. 21-1034-EL-RDR
Economic Development Rider
Typical Bill Comparison
Secondary Three Phase

Data: Actual & Forecasted

Type of Filing: Original

Work Paper Reference: None

Schedule E-1

Page 6 of 11

Line	Level of Demand (kW)	Level of Usage (kWh)	Current Bill (D)	Proposed Bill (E)	Dollar Increase/ (Decrease) (F) = (E) - (D)	Percent Increase/ (Decrease) (G) = (F) / (D)
(A)	(B)	(C)	(D)	(E)	(F) = (E) - (D)	(G) = (F) / (D)
1	5	500	\$73.52	\$73.52	\$0.00	0.00%
2	5	1,500	\$149.64	\$149.64	\$0.00	0.00%
3	10	1,500	\$171.20	\$171.20	\$0.00	0.00%
4	25	5,000	\$495.71	\$495.70	(\$0.01)	0.00%
5	25	7,500	\$640.28	\$640.27	(\$0.01)	0.00%
6	25	10,000	\$784.86	\$784.85	(\$0.01)	0.00%
7	50	25,000	\$1,826.02	\$1,825.99	(\$0.03)	0.00%
8	200	50,000	\$4,333.49	\$4,333.43	(\$0.06)	0.00%
9	200	125,000	\$8,628.92	\$8,628.76	(\$0.16)	0.00%
10	500	200,000	\$15,041.91	\$15,041.65	(\$0.26)	0.00%
11	1,000	300,000	\$24,309.65	\$24,309.26	(\$0.39)	0.00%
12	1,000	500,000	\$35,674.19	\$35,673.54	(\$0.65)	0.00%
13	2,500	750,000	\$60,636.25	\$60,635.28	(\$0.97)	0.00%
14	2,500	1,000,000	\$74,596.75	\$74,595.45	(\$1.30)	0.00%
15	5,000	1,500,000	\$120,201.40	\$120,199.45	(\$1.95)	0.00%
16	5,000	2,000,000	\$147,878.75	\$147,876.15	(\$2.60)	0.00%

AES Ohio
Case No. 21-1034-EL-RDR
Economic Development Rider
Typical Bill Comparison
Primary Service

Data: Actual & Forecasted

Type of Filing: Original

Work Paper Reference: None

Schedule E-1

Page 7 of 11

Line	Level of Demand (kW)	Level of Usage (kWh)	Current Bill (D)	Proposed Bill (E)	Dollar Increase/ (Decrease) (F) = (E) - (D)	Percent Increase/ (Decrease) (G) = (F) / (D)
(A)	(B)	(C)	(D)	(E)	(F) = (E) - (D)	(G) = (F) / (D)
1	5	1,000	\$316.01	\$316.01	\$0.00	0.00%
2	5	2,500	\$400.44	\$400.44	\$0.00	0.00%
3	10	5,000	\$568.16	\$568.16	\$0.00	0.00%
4	25	7,500	\$791.55	\$791.55	\$0.00	0.00%
5	25	10,000	\$931.48	\$931.48	\$0.00	0.00%
6	50	20,000	\$1,627.48	\$1,627.48	\$0.00	0.00%
7	50	30,000	\$2,181.63	\$2,181.62	(\$0.01)	0.00%
8	200	50,000	\$4,124.24	\$4,124.23	(\$0.01)	0.00%
9	200	75,000	\$5,509.61	\$5,509.60	(\$0.01)	0.00%
10	200	100,000	\$6,894.97	\$6,894.95	(\$0.02)	0.00%
11	500	250,000	\$16,875.77	\$16,875.72	(\$0.05)	0.00%
12	1,000	500,000	\$33,510.33	\$33,510.23	(\$0.10)	0.00%
13	2,500	1,000,000	\$69,315.35	\$69,315.15	(\$0.20)	0.00%
14	5,000	2,500,000	\$164,140.20	\$164,139.70	(\$0.50)	0.00%
15	10,000	5,000,000	\$326,816.47	\$326,815.47	(\$1.00)	0.00%
16	25,000	7,500,000	\$545,110.85	\$545,109.35	(\$1.50)	0.00%
17	25,000	10,000,000	\$679,978.10	\$679,976.10	(\$2.00)	0.00%
18	50,000	15,000,000	\$1,088,757.70	\$1,088,754.70	(\$3.00)	0.00%

AES Ohio
Case No. 21-1034-EL-RDR
Economic Development Rider
Typical Bill Comparison
Primary Substation

Data: Actual & Forecasted

Type of Filing: Original

Work Paper Reference: None

Schedule E-1

Page 8 of 11

Line	Level of Demand (kW)	Level of Usage (kWh)	Current Bill (D)	Proposed Bill (E)	Dollar Increase/ (Decrease) (F) = (E) - (D)	Percent Increase/ (Decrease) (G) = (F) / (D)
(A)	(B)	(C)	(D)	(E)	(F) = (E) - (D)	(G) = (F) / (D)
1	3,000	1,000,000	\$67,102.84	\$67,102.64	(\$0.20)	0.00%
2	5,000	2,000,000	\$128,500.12	\$128,499.72	(\$0.40)	0.00%
3	5,000	3,000,000	\$181,838.02	\$181,837.42	(\$0.60)	0.00%
4	10,000	4,000,000	\$255,324.42	\$255,323.62	(\$0.80)	0.00%
5	10,000	5,000,000	\$308,662.32	\$308,661.32	(\$1.00)	0.00%
6	15,000	6,000,000	\$382,148.74	\$382,147.54	(\$1.20)	0.00%
7	15,000	7,000,000	\$435,486.64	\$435,485.24	(\$1.40)	0.00%
8	15,000	8,000,000	\$488,824.54	\$488,822.94	(\$1.60)	0.00%
9	25,000	9,000,000	\$582,459.47	\$582,457.67	(\$1.80)	0.00%
10	25,000	10,000,000	\$635,797.37	\$635,795.37	(\$2.00)	0.00%
11	30,000	12,500,000	\$789,290.62	\$789,288.12	(\$2.50)	0.00%
12	30,000	15,000,000	\$922,635.37	\$922,632.37	(\$3.00)	0.00%
13	50,000	17,500,000	\$1,136,574.14	\$1,136,570.64	(\$3.50)	0.00%
14	50,000	20,000,000	\$1,269,918.89	\$1,269,914.89	(\$4.00)	0.00%
15	50,000	25,000,000	\$1,536,608.39	\$1,536,603.39	(\$5.00)	0.00%

AES Ohio
Case No. 21-1034-EL-RDR
Economic Development Rider
Typical Bill Comparison
High Voltage Service

Data: Actual & Forecasted

Type of Filing: Original

Work Paper Reference: None

Schedule E-1

Page 9 of 11

Line	Level of Demand (kW)	Level of Usage (kWh)	Current Bill	Proposed Bill	Dollar Increase/ (Decrease)	Percent Increase/ (Decrease)
(A)	(B)	(C)	(D)	(E)	(F) = (E) - (D)	(G) = (F) / (D)
1	1,000	500,000	\$31,937.38	\$31,937.38	\$0.00	0.00%
2	2,000	1,000,000	\$62,544.22	\$62,544.22	\$0.00	0.00%
3	3,000	1,500,000	\$92,662.21	\$92,662.21	\$0.00	0.00%
4	3,500	2,000,000	\$121,047.32	\$121,047.32	\$0.00	0.00%
5	5,000	2,500,000	\$152,898.20	\$152,898.20	\$0.00	0.00%
6	7,500	3,000,000	\$188,214.90	\$188,214.90	\$0.00	0.00%
7	7,500	4,000,000	\$241,519.30	\$241,519.30	\$0.00	0.00%
8	10,000	5,000,000	\$303,488.18	\$303,488.18	\$0.00	0.00%
9	10,000	6,000,000	\$356,792.58	\$356,792.58	\$0.00	0.00%
10	12,500	7,000,000	\$418,761.47	\$418,761.47	\$0.00	0.00%
11	12,500	8,000,000	\$472,065.87	\$472,065.87	\$0.00	0.00%
12	15,000	9,000,000	\$534,034.75	\$534,034.75	\$0.00	0.00%
13	20,000	10,000,000	\$604,668.13	\$604,668.13	\$0.00	0.00%
14	40,000	20,000,000	\$1,207,028.03	\$1,207,028.03	\$0.00	0.00%
15	60,000	30,000,000	\$1,809,387.92	\$1,809,387.92	\$0.00	0.00%

AES Ohio
Case No. 21-1034-EL-RDR
Economic Development Rider
Typical Bill Comparison
Private Outdoor Lighting

Data: Actual & Forecasted

Type of Filing: Original

Work Paper Reference: None

Schedule E-1

Page 10 of 11

Line	Lamp Type	Level of Usage (kWh)	Current Bill	Proposed Bill	Dollar Increase/ (Decrease)	Percent Increase/ (Decrease)
(A)	(B)	(C)	(D)	(E)	(F) = (E) - (D)	(G) = (F) / (D)
1	7000					
2	Mercury	75	\$15.94	\$15.93	(\$0.01)	-0.06%
3						
4	21000					
5	Mercury	154	\$20.53	\$20.51	(\$0.02)	-0.10%
6						
7	2500					
8	Incandescent	64	\$15.39	\$15.38	(\$0.01)	-0.06%
9						
10	7000					
11	Fluorescent	66	\$15.61	\$15.60	(\$0.01)	-0.06%
12						
13	4000					
14	Mercury	43	\$14.55	\$14.54	(\$0.01)	-0.07%
15						
16	9500					
17	High Pressure Sodium	39	\$13.85	\$13.84	(\$0.01)	-0.07%
18						
19	28000					
20	High Pressure Sodium	96	\$17.15	\$17.14	(\$0.01)	-0.06%
21						
22	3600					
23	LED	14	\$12.39	\$12.39	\$0.00	0.00%
24						
25	8400					
26	LED	30	\$13.31	\$13.31	\$0.00	0.00%

Note: Current and proposed bills included monthly charge for 1 fixture, 1 pole, and 1 span

AES Ohio
Case No. 21-1034-EL-RDR
Economic Development Rider
Typical Bill Comparison
Street Lighting

Data: Actual & Forecasted

Type of Filing: Original

Work Paper Reference: None

Schedule E-1

Page 11 of 11

Line	Level of Demand (kW)	Level of Usage (kWh)	Current Bill (D)	Proposed Bill (E)	Dollar Increase/ (Decrease) (F) = (E) - (D)	Percent Increase/ (Decrease) (G) = (F) / (D)
(A)	(B)	(C)	(D)	(E)	(F) = (E) - (D)	(G) = (F) / (D)
1	0.0	50	\$11.86	\$11.86	\$0.00	0.00%
2	0.0	100	\$15.51	\$15.51	\$0.00	0.00%
3	0.0	200	\$22.76	\$22.76	\$0.00	0.00%
4	0.0	400	\$37.31	\$37.31	\$0.00	0.00%
5	0.0	500	\$44.58	\$44.58	\$0.00	0.00%
6	0.0	750	\$62.76	\$62.75	(\$0.01)	-0.02%
7	0.0	1,000	\$80.93	\$80.92	(\$0.01)	-0.01%
8	0.0	1,200	\$95.46	\$95.45	(\$0.01)	-0.01%
9	0.0	1,400	\$110.00	\$109.99	(\$0.01)	-0.01%
10	0.0	1,600	\$124.53	\$124.52	(\$0.01)	-0.01%
11	0.0	2,000	\$153.61	\$153.60	(\$0.01)	-0.01%
12	0.0	2,500	\$189.72	\$189.70	(\$0.02)	-0.01%
13	0.0	3,000	\$225.84	\$225.82	(\$0.02)	-0.01%
14	0.0	4,000	\$298.06	\$298.03	(\$0.03)	-0.01%
15	0.0	5,000	\$370.31	\$370.27	(\$0.04)	-0.01%

AES Ohio
Case No. 21-1034-EL-RDR
Allocation Factors

Data: Actual

Type of Filing: Original

Workpaper C-1

Work Paper Reference No(s): None

Page 1 of 1

<u>Line</u>	<u>Tariff Class</u>	December 2020 - May 2021	
		Distribution Revenue	Allocation
(A)	(B)	(C)	(D)
		Internal Records	
1	Residential	\$ 85,291,298	71.41%
2	Secondary	\$ 25,555,322	21.40%
3	Primary	\$ 7,415,977	6.21%
4	Primary Substation	\$ 542,379	0.45%
5	High Voltage	\$ 74,191	0.06%
6	Street Lighting	\$ 282,727	0.24%
7	Private Outdoor Lighting	\$ 278,797	0.23%
8	Total	\$ 119,440,692	100.00%

AES Ohio
Case No. 21-1034-EL-RDR
Calculation of Carrying Costs for Economic Development
Prior to March 2021 - May 2022

Data: Actual & Forecasted
Type of Filing: Original
Work Paper Reference No(s): None

Workpaper D-1
Page 1 of 1

		MONTHLY ACTIVITY							CARRYING COST CALCULATION		
<u>Line</u>	<u>Period</u>	<u>First of Month Balance</u>	<u>New Charges</u>	<u>Amount Collected (CR)</u>	<u>NET AMOUNT (F) = (D) + (E)</u>	<u>End of Month before Carrying Cost (G) = (C) + (F)</u>	<u>Carrying Costs (H) = (L) * (COD / 12)</u>	<u>End of Month Balance (I) = (G) + (H)</u>	<u>End of Month Balance (J) = (G)</u>	<u>Less: One-half Monthly Amount (K) = - (F) * .5</u>	<u>Total Applicable to Carrying Cost (L) = (J) + (K)</u>
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)
1	Prior to Mar-21							124,721	\$0	\$0	\$0
2	Mar-21	\$124,721	\$60,462	(172,647)	(\$112,185)	\$12,536	\$275	\$12,811	12,536	\$56,093	\$68,629
3	Apr-21	\$12,811	\$69,974	(137,074)	(\$67,100)	(\$54,289)	(\$83)	(\$54,372)	(54,289)	\$33,550	(\$20,739)
4	May-21	(\$54,372)	\$68,965	(118,389)	(\$49,424)	(\$103,796)	(\$316)	(\$104,112)	(\$103,796)	\$24,712	(\$79,084)
5	Jun-21	(\$104,112)	\$64,072	(58,897)	\$5,175	(\$98,937)	(\$406)	(\$99,343)	(\$98,937)	(\$2,588)	(\$101,525)
6	Jul-21	(\$99,343)	\$71,207	(69,437)	\$1,770	(\$97,573)	(\$394)	(\$97,967)	(\$97,573)	(\$885)	(\$98,458)
7	Aug-21	(\$97,967)	\$72,251	(71,221)	\$1,030	(\$96,937)	(\$390)	(\$97,327)	(\$96,937)	(\$515)	(\$97,452)
8	Sep-21	(\$97,327)	\$73,258	(70,178)	\$3,080	(\$94,247)	(\$383)	(\$94,630)	(\$94,247)	(\$1,540)	(\$95,787)
9	Oct-21	(\$94,630)	\$68,083	(49,905)	\$18,177	(\$76,453)	(\$342)	(\$76,795)	(\$76,453)	(\$9,089)	(\$85,541)
10	Nov-21	(\$76,795)	\$71,095	(46,736)	\$24,360	(\$52,435)	(\$258)	(\$52,694)	(\$52,435)	(\$12,180)	(\$64,615)
11	Dec-21	(\$52,694)	\$59,921	(53,944)	\$5,977	(\$46,717)	(\$199)	(\$46,915)	(\$46,717)	(\$2,989)	(\$49,705)
12	Jan-22	(\$46,915)	\$61,358	(66,361)	(\$5,003)	(\$51,919)	(\$198)	(\$52,116)	(\$51,919)	\$2,502	(\$49,417)
13	Feb-22	(\$52,116)	\$58,337	(61,370)	(\$3,033)	(\$55,149)	(\$215)	(\$55,364)	(\$55,149)	\$1,517	(\$53,633)
14	Mar-22	(\$55,364)	\$69,974	(57,781)	\$12,194	(\$43,170)	(\$197)	(\$43,367)	(\$43,170)	(\$6,097)	(\$49,267)
15	Apr-22	(\$43,367)	\$68,965	(47,737)	\$21,228	(\$22,139)	(\$131)	(\$22,270)	(\$22,139)	(\$10,614)	(\$32,753)
16	May-22	(\$22,270)	\$64,072	(41,756)	\$22,316	\$46	(\$44)	\$2	\$46	(\$11,158)	(\$11,112)

AES Ohio
Case No. 21-1034-EL-RDR
Billing Determinants (kWh)
December 2021 - May 2022

Data: Forecasted

Type of Filing: Original

Work Paper Reference No(s): None

Workpaper C-2

Page 1 of 1

<u>Line</u>	<u>Tariff Class</u>	<u>Dec-21</u>	<u>Jan-22</u>	<u>Feb-22</u>	<u>Mar-22</u>	<u>Apr-22</u>	<u>May-22</u>	<u>Total</u>	<u>Source</u>
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
1	Residential	468,514,507	593,317,323	549,272,082	506,817,354	393,491,608	323,260,681	2,834,673,555	Corporate Forecast
2	Secondary	313,307,352	359,879,779	327,209,559	325,370,565	306,608,424	305,921,775	1,938,297,453	Corporate Forecast
3	Primary	207,755,456	229,845,567	222,813,836	221,611,543	222,451,655	215,820,944	1,320,299,001	Corporate Forecast
4	Primary Substation	67,599,942	69,778,883	64,743,429	64,279,443	70,323,922	65,989,244	402,714,862	Corporate Forecast
5	High Voltage	71,048,244	82,107,134	77,253,718	75,836,039	81,632,418	76,318,570	464,196,122	Corporate Forecast
6	Street Lighting	3,204,618	3,659,019	3,326,371	3,518,966	3,425,056	3,221,787	20,355,817	Corporate Forecast
7	Private Outdoor Lighting	<u>1,985,063</u>	<u>2,153,634</u>	<u>1,959,621</u>	<u>2,104,830</u>	<u>2,049,375</u>	<u>1,946,154</u>	12,198,676	Corporate Forecast
8	Total	1,133,415,181	1,340,741,338	1,246,578,616	1,199,538,739	1,079,982,457	992,479,155	6,992,735,486	Sum (Line 1 thru Line 7)

AES Ohio
Case No. 21-1034-EL-RDR
Calculation of Private Outdoor Lighting Charges

Data: Actual

Type of Filing: Original

Work Paper Reference No(s): None

Workpaper E-1

Page 1 of 1

<u>Line</u>	<u>Description</u>	<u>kWh / Fixture</u>	<u>\$ / KWH Rate</u>	POL <u>Charge/Fixture/Mon</u> <u>th</u>
(A)	(B)	(C)	(D)	(E)
			Schedule B-1, Line 5, Col (J)	Col (C) * Col (D)
1	Private Outdoor Lighting			
2	3600 Lumens LED	14	\$ 0.0000631	\$ 0.0008834
3	8400 Lumens LED	30	\$ 0.0000631	\$ 0.0018930
4	9500 Lumens High Pressure Sodium	39	\$ 0.0000631	\$ 0.0024609
5	28000 Lumens High Pressure Sodium	96	\$ 0.0000631	\$ 0.0060576
6	7000 Lumens Mercury	75	\$ 0.0000631	\$ 0.0047325
7	21000 Lumens Mercury	154	\$ 0.0000631	\$ 0.0097174
8	2500 Lumens Incandescent	64	\$ 0.0000631	\$ 0.0040384
9	7000 Lumens Fluorescent	66	\$ 0.0000631	\$ 0.0041646
10	4000 Lumens PT Mercury	43	\$ 0.0000631	\$ 0.0027133

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in

Case No(s). 21-1034-EL-RDR

Summary: Application of AES Ohio to update its Economic Development Rider electronically filed by Carrie Inman on behalf of The Dayton Power and Light Company d/b/a AES Ohio