

**BEFORE
THE PUBLIC UTILITIES COMMISSION OF OHIO**

In the Matter of the Application of)	
The Dayton Power and Light Company to)	Case No. 19-1763-EL-RDR
Update its Economic Development Rider)	

**APPLICATION OF THE DAYTON POWER AND LIGHT COMPANY
TO UPDATE ITS ECONOMIC DEVELOPMENT RIDER**

The Dayton Power and Light Company (“DP&L” or “the Company”) hereby submits this application to update its Economic Development Rider (“EDR”) pursuant to 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.* as well as the Finding and Order dated October 20, 2017 in Case No. 16-395-EL-SSO.

In support of this Application DP&L states as follows:

1. DP&L 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. DP&L currently has in place one Commission approved reasonable arrangement pursuant to O.R.C. §4905.31(E).

5. The Opinion and Order filed on October 20, 2017 in DP&L's Electric Security Plan, PUCO Case No. 16-395-EL-SSO, approved the recovery of the certain Economic Development Incentives set forth in Section IV of the Stipulation and Recommendation pursuant to R.C. 4928.143(B)(2)(i).

6. Consistent with the provisions of §4901:1-38-08(A)(5) of the Ohio Administrative Code ("O.A.C"), DP&L files this semiannual Application to update and reconcile the EDR.

7. 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

8. 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 \$0.26 per month for the November 2019 through April 2020 time period.

9. DP&L'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, DP&L 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 November 2019.

Respectfully submitted,

/s/ Michael J. Schuler
Michael J. Schuler (0082390)
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Attorney for The Dayton Power
and Light Company

**THE DAYTON POWER AND LIGHT COMPANY
CASE NO. 19-1763-EL-RDR**

Economic Development Rider (EDR)

**Schedule A-1
Redlined Tariff**

THE DAYTON POWER AND LIGHT COMPANY
No. D39
MacGregor Park
1065 Woodman Drive
No. D39
Dayton, Ohio 45432

~~Twentieth-First~~ Revised Sheet

Cancels

~~Nineteenth~~ Twentieth Revised Sheet

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. Pursuant to the approved Amended Stipulation and Recommendation in Case No. 16-395-EL-SSO, DP&L will provide economic development incentives to the identified eligible customers. The total amount of the incentives provided will be recovered in this Rider. 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 ~~May~~ November 2019.

Residential	\$0. 00091290006570	/kWh
Residential Heating	\$0. 00091290006570	/kWh
Secondary	\$0. 00037190003178	/kWh
Primary	\$0. 00012640001237	/kWh
Primary-Substation	\$0. 00002570000338	/kWh
High Voltage	\$0. 00000190000030	/kWh
Private Outdoor Lighting		
3600 Lumens LED	\$0. 02368380102116	/lamp/month
8400 Lumens LED	\$0. 05075100218820	/lamp/month
9,500 Lumens High Pressure Sodium	\$0. 06597630284466	/lamp/month
28,000 Lumens High Pressure Sodium	\$0. 16240320700224	/lamp/month
7,000 Lumens Mercury	\$0. 12687750547050	/lamp/month
21,000 Lumens Mercury	\$0. 26052181123276	/lamp/month
2,500 Lumens Incandescent	\$0. 10826880466816	/lamp/month
7,000 Lumens Fluorescent	\$0. 11165220481404	/lamp/month
4,000 Lumens PT Mercury	\$0. 07274310313642	/lamp/month
Street Lighting	\$0. 00034610002847	/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. 19-~~05691763~~-EL-RDR dated ~~April 24,~~
~~2019~~ _____ of the Public Utilities Commission of Ohio.

Issued ~~May 1, 2019~~ _____
2019

Effective ~~May~~ November 1,

Issued by
~~BARRY VINCENT J. BENTLEY~~ PARISI, ~~Interim~~ President and CEO

**THE DAYTON POWER AND LIGHT COMPANY
CASE NO. 19-1763-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. Pursuant to the approved Amended Stipulation and Recommendation in Case No. 16-395-EL-SSO, DP&L will provide economic development incentives to the identified eligible customers. The total amount of the incentives provided will be recovered in this Rider. 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 November 2019.

Residential	\$0.0006570	/kWh
Residential Heating	\$0.0006570	/kWh
Secondary	\$0.0003178	/kWh
Primary	\$0.0001237	/kWh
Primary-Substation	\$0.0000338	/kWh
High Voltage	\$0.0000030	/kWh
Private Outdoor Lighting		
3600 Lumens LED	\$0.0102116	/lamp/month
8400 Lumens LED	\$0.0218820	/lamp/month
9,500 Lumens High Pressure Sodium	\$0.0284466	/lamp/month
28,000 Lumens High Pressure Sodium	\$0.0700224	/lamp/month
7,000 Lumens Mercury	\$0.0547050	/lamp/month
21,000 Lumens Mercury	\$0.1123276	/lamp/month
2,500 Lumens Incandescent	\$0.0466816	/lamp/month
7,000 Lumens Fluorescent	\$0.0481404	/lamp/month
4,000 Lumens PT Mercury	\$0.0313642	/lamp/month
Street Lighting	\$0.0002847	/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. 19-1763-EL-RDR dated _____ of the Public Utilities Commission of Ohio.

Issued _____

Effective November 1, 2019

Issued by
VINCENT PARISI, President and CEO

The Dayton Power and Light Company
Case No. 19-1763-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

<u>Line</u>	<u>Description</u>	<u>Residential</u>	<u>Secondary</u>	<u>Primary</u>	<u>Primary Substation</u>	<u>High Voltage</u>	<u>Street Lighting</u>	<u>Private Outdoor Lighting</u>	<u>Total</u>	<u>Source</u>
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)
1	EDR Costs	\$ 1,879,999	\$ 618,144	\$ 169,782	\$ 12,244	\$ 1,418	\$ 7,276	\$ 8,663	\$ 2,697,527	Schedule C-1, Col (D)
2										
3	Projected Billing Determinants (kWh)	2,861,357,124	1,945,228,681	1,373,055,247	362,487,611	478,790,096	25,557,743	11,877,499	7,058,354,000	Workpaper C-2, Col (I)
4										
5	Proposed EDR Rate \$/kWh	\$ 0.0006570	\$ 0.0003178	\$ 0.0001237	\$ 0.0000338	\$ 0.0000030	\$ 0.0002847	\$ 0.0007294		Line 1 / Line 3

The Dayton Power and Light Company
Case No. 19-1763-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		\$ 2,697,527	Schedule D-1, Col (F), Line 10
2				
3	Residential	69.69%	\$ 1,879,999	Line 1, Col (D) * Line 3, Col (C)
4	Secondary	22.92%	\$ 618,144	Line 1, Col (D) * Line 4, Col (C)
5	Primary	6.29%	\$ 169,782	Line 1, Col (D) * Line 5, Col (C)
6	Primary Substation	0.45%	\$ 12,244	Line 1, Col (D) * Line 6, Col (C)
7	High Voltage	0.05%	\$ 1,418	Line 1, Col (D) * Line 7, Col (C)
8	Street Lighting	0.27%	\$ 7,276	Line 1, Col (D) * Line 8, Col (C)
9	Private Outdoor Lighting	0.32%	\$ 8,663	Line 1, Col (D) * Line 9, Col (C)
10	Total EDR Costs	100.00%	\$ 2,697,527	Sum Lines 3 through 9

The Dayton Power and Light Company
Case No. 19-1763-EL-RDR
EDR Costs Summary

Data: Actual & Forecasted

Type of Filing: Original

Schedule D-1

Work Paper Reference No(s).: WPD-1

Page 1 of 1

<u>Line</u> (A)	<u>Description</u> (B)	<u>Actual</u>	<u>Forecast</u>		
		<u>Total through</u> <u>August 2019</u> (C) Schedule D-2, Col (I)	<u>September 2019 -</u> <u>October 2019</u> (D) Workpaper D-1, Col (F) & Col (H)	<u>November 2019 -</u> <u>April 2020</u> (E) Schedule D-3, Col (I)	<u>Total</u> (F) Col (C) + Col (D) + Col (E)
1	Delta Revenues:				
2	Unique Arrangement			\$ 1,274,582	\$ 1,274,582
3	Economic Development Incentives			\$ 1,701,730	\$ 1,701,730
4	Total EDR Costs			\$ 2,976,312	\$ 2,976,312
5	Revenue			\$ -	\$ -
6	(Over) / Under Recovery		\$ (30,937)	\$ 2,976,312	\$ 2,945,375
7	Carrying Costs		\$ (2,251)	\$ (2,941)	\$ (5,192)
8	Total (Over) / Under Recovery	\$ (249,652)	\$ (33,188)	\$ 2,973,371	\$ 2,690,531
9	Commercial Activity Tax	\$ 1.0026	\$ 1.0026	\$ 1.0026	
10	Total EDR Costs Including Carrying Costs	\$ (250,301)	\$ (33,274)	\$ 2,981,102	\$ 2,697,527

The Dayton Power and Light Company
Case No. 19-1763-EL-RDR
Summary of Actual Costs
March 2019 - August 2019

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-19</u>	<u>Apr-19</u>	<u>May-19</u>	<u>Jun-19</u>	<u>Jul-19</u>	<u>Aug-19</u>	<u>Total</u>	<u>Source</u>
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
1	Delta Revenues:								
2	Unique Arrangement	\$ 206,458	\$ 225,956	\$ 219,814	\$ 239,766	\$ 231,300	\$ 265,372	\$ 1,388,667	Accounting Records
3	Economic Development Incentives	\$ 260,760	\$ 298,426	\$ 283,154	\$ 296,815	\$ 282,909	\$ 311,917	\$ 1,733,981	Accounting Records
4	Total EDR Expenses	\$ 467,218	\$ 524,383	\$ 502,967	\$ 536,581	\$ 514,209	\$ 577,290	\$ 3,122,648	Line 2 + Line 3
5									
6	Revenues	\$ (477,005)	\$ (406,003)	\$ (456,796)	\$ (486,266)	\$ (634,564)	\$ (674,228)	\$ (3,134,862)	Workpaper D-1, Col (E)
7									
8	(Over) / Under Recovery	\$ (9,787)	\$ 118,380	\$ 46,172	\$ 50,315	\$ (120,355)	\$ (96,939)	\$ (12,214)	Line 4 + Line 6
9									
10	Carrying Costs	\$ (955)	\$ (742)	\$ (416)	\$ (224)	\$ (365)	\$ (802)	\$ (3,505)	Workpaper D-1, Col (H)
11									
12	(Over) / Under Recovery with Carrying Costs	\$ (10,742)	\$ 117,638	\$ 45,756	\$ 50,090	\$ (120,720)	\$ (97,740)	\$ (15,719)	Line 8 + Line 10
13									
14	Prior Period Balance through February 2019							\$ (233,933)	Workpaper D-1, Col (I)
15									
16	Commercial Activity Tax							1.0026	Statutory Rate
17									
18	Total (Over) / Under Recovery with Carrying Costs							\$ (250,301)	(Line 12 + Line 14) * Line 16

The Dayton Power and Light Company
Case No. 19-1763-EL-RDR
Projected Monthly Cost Calculation
November 2019 - April 2020

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>Nov-19</u>	<u>Dec-19</u>	<u>Jan-20</u>	<u>Feb-20</u>	<u>Mar-20</u>	<u>Apr-20</u>	<u>Total</u>	<u>Source</u>
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
1	Delta Revenues:								
2	Unique Arrangement	\$ 223,520	\$ 205,863	\$ 206,359	\$ 213,761	\$ 193,779	\$ 231,300	\$ 1,274,582	Corporate Forecast
3	Economic Development Incentives	\$ 305,280	\$ 278,361	\$ 285,947	\$ 274,629	\$ 259,992	\$ 297,520	\$ 1,701,730	Corporate Forecast
4	Total EDR Expenses	\$ 528,800	\$ 484,224	\$ 492,306	\$ 488,390	\$ 453,771	\$ 528,820	\$ 2,976,312	Line 2 + Line 3
5									
6	Projected Carrying Cost of (Over) / Under Recovery	\$ (823)	\$ (418)	\$ (409)	\$ (506)	\$ (520)	\$ (264)	\$ (2,941)	Workpaper D-1, Col (H)
7									
8	Projected (Over) / Under Recovery with Carrying Costs	\$ 527,977	\$ 483,806	\$ 491,896	\$ 487,884	\$ 453,251	\$ 528,556	\$ 2,973,371	Line 4 + Line 6
9									
10	Commercial Activity Tax							<u>1.0026</u>	Statutory Rate
11									
12	Total Projected EDR Expenses							\$ 2,981,102	Line 8 * Line 10

The Dayton Power and Light Company
Case No. 19-1763-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	\$13.57	\$13.56	(\$0.01)	-0.07%
2	0.0	100	\$18.56	\$18.53	(\$0.03)	-0.16%
3	0.0	200	\$28.50	\$28.45	(\$0.05)	-0.18%
4	0.0	400	\$48.40	\$48.30	(\$0.10)	-0.21%
5	0.0	500	\$58.36	\$58.23	(\$0.13)	-0.22%
6	0.0	750	\$83.23	\$83.04	(\$0.19)	-0.23%
7	0.0	1,000	\$107.95	\$107.69	(\$0.26)	-0.24%
8	0.0	1,200	\$127.72	\$127.41	(\$0.31)	-0.24%
9	0.0	1,400	\$147.49	\$147.13	(\$0.36)	-0.24%
10	0.0	1,500	\$157.36	\$156.98	(\$0.38)	-0.24%
11	0.0	2,000	\$206.80	\$206.29	(\$0.51)	-0.25%
12	0.0	2,500	\$255.99	\$255.35	(\$0.64)	-0.25%
13	0.0	3,000	\$305.21	\$304.44	(\$0.77)	-0.25%
14	0.0	4,000	\$403.55	\$402.53	(\$1.02)	-0.25%
15	0.0	5,000	\$501.97	\$500.69	(\$1.28)	-0.25%
16	0.0	7,500	\$747.95	\$746.03	(\$1.92)	-0.26%

The Dayton Power and Light Company
Case No. 19-1763-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	Proposed Bill	Dollar Increase/ (Decrease)	Percent Increase/ (Decrease)
(A)	(B)	(C)	(D)	(E)	(F) = (E) - (D)	(G) = (F) / (D)
1	0.0	50	\$13.34	\$13.33	(\$0.01)	-0.07%
2	0.0	100	\$17.95	\$17.92	(\$0.03)	-0.17%
3	0.0	200	\$27.18	\$27.13	(\$0.05)	-0.18%
4	0.0	400	\$45.61	\$45.51	(\$0.10)	-0.22%
5	0.0	500	\$54.83	\$54.70	(\$0.13)	-0.24%
6	0.0	750	\$77.88	\$77.69	(\$0.19)	-0.24%
7	0.0	1,000	\$100.48	\$100.22	(\$0.26)	-0.26%
8	0.0	1,200	\$118.55	\$118.24	(\$0.31)	-0.26%
9	0.0	1,400	\$136.63	\$136.27	(\$0.36)	-0.26%
10	0.0	1,500	\$145.66	\$145.28	(\$0.38)	-0.26%
11	0.0	2,000	\$190.86	\$190.35	(\$0.51)	-0.27%
12	0.0	2,500	\$235.82	\$235.18	(\$0.64)	-0.27%
13	0.0	3,000	\$280.80	\$280.03	(\$0.77)	-0.27%
14	0.0	4,000	\$370.69	\$369.67	(\$1.02)	-0.28%
15	0.0	5,000	\$460.64	\$459.36	(\$1.28)	-0.28%
16	0.0	7,500	\$685.45	\$683.53	(\$1.92)	-0.28%

The Dayton Power and Light Company
Case No. 19-1763-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	Proposed Bill	Dollar Increase/ (Decrease)	Percent Increase/ (Decrease)
(A)	(B)	(C)	(D)	(E)	(F) = (E) - (D)	(G) = (F) / (D)
1	0.0	50	\$13.72	\$13.71	(\$0.01)	-0.07%
2	0.0	100	\$18.73	\$18.70	(\$0.03)	-0.16%
3	0.0	200	\$28.72	\$28.67	(\$0.05)	-0.17%
4	0.0	400	\$48.70	\$48.60	(\$0.10)	-0.21%
5	0.0	500	\$58.70	\$58.57	(\$0.13)	-0.22%
6	0.0	750	\$83.68	\$83.49	(\$0.19)	-0.23%
7	0.0	1,000	\$108.50	\$108.24	(\$0.26)	-0.24%
8	0.0	1,200	\$128.36	\$128.05	(\$0.31)	-0.24%
9	0.0	1,400	\$148.21	\$147.85	(\$0.36)	-0.24%
10	0.0	1,500	\$158.13	\$157.75	(\$0.38)	-0.24%
11	0.0	2,000	\$207.77	\$207.26	(\$0.51)	-0.25%
12	0.0	2,500	\$257.18	\$256.54	(\$0.64)	-0.25%
13	0.0	3,000	\$306.61	\$305.84	(\$0.77)	-0.25%
14	0.0	4,000	\$405.38	\$404.36	(\$1.02)	-0.25%
15	0.0	5,000	\$504.22	\$502.94	(\$1.28)	-0.25%
16	0.0	7,500	\$751.26	\$749.34	(\$1.92)	-0.26%

The Dayton Power and Light Company
Case No. 19-1763-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	Proposed Bill	Dollar Increase/ (Decrease)	Percent Increase/ (Decrease)
(A)	(B)	(C)	(D)	(E)	(F) = (E) - (D)	(G) = (F) / (D)
1	0.0	50	\$22.11	\$22.11	\$0.00	0.00%
2	0.0	100	\$25.72	\$25.71	(\$0.01)	-0.04%
3	0.0	150	\$29.28	\$29.27	(\$0.01)	-0.03%
4	0.0	200	\$32.84	\$32.83	(\$0.01)	-0.03%
5	0.0	300	\$40.00	\$39.98	(\$0.02)	-0.05%
6	0.0	400	\$47.12	\$47.10	(\$0.02)	-0.04%
7	0.0	500	\$54.28	\$54.25	(\$0.03)	-0.06%
8	0.0	600	\$61.42	\$61.39	(\$0.03)	-0.05%
9	0.0	800	\$75.71	\$75.67	(\$0.04)	-0.05%
10	0.0	1,000	\$90.00	\$89.95	(\$0.05)	-0.06%
11	0.0	1,200	\$104.27	\$104.21	(\$0.06)	-0.06%
12	0.0	1,400	\$118.56	\$118.48	(\$0.08)	-0.07%
13	0.0	1,600	\$132.66	\$132.57	(\$0.09)	-0.07%
14	0.0	2,000	\$160.50	\$160.39	(\$0.11)	-0.07%
15	0.0	2,200	\$174.35	\$174.23	(\$0.12)	-0.07%
16	0.0	2,400	\$188.18	\$188.05	(\$0.13)	-0.07%

The Dayton Power and Light Company
Case No. 19-1763-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	Proposed Bill	Dollar Increase/ (Decrease)	Percent Increase/ (Decrease)
(A)	(B)	(C)	(D)	(E)	(F) = (E) - (D)	(G) = (F) / (D)
1	5	750	\$86.83	\$86.79	(\$0.04)	-0.05%
2	5	1,500	\$152.13	\$152.05	(\$0.08)	-0.05%
3	10	1,500	\$152.18	\$152.10	(\$0.08)	-0.05%
4	25	5,000	\$455.72	\$455.45	(\$0.27)	-0.06%
5	25	7,500	\$669.09	\$668.68	(\$0.41)	-0.06%
6	25	10,000	\$842.03	\$841.49	(\$0.54)	-0.06%
7	50	15,000	\$1,314.98	\$1,314.17	(\$0.81)	-0.06%
8	50	25,000	\$2,001.14	\$1,999.79	(\$1.35)	-0.07%
9	200	50,000	\$4,335.88	\$4,333.18	(\$2.70)	-0.06%
10	200	100,000	\$7,909.81	\$7,904.40	(\$5.41)	-0.07%
11	300	125,000	\$10,133.58	\$10,126.82	(\$6.76)	-0.07%
12	500	200,000	\$16,280.62	\$16,269.80	(\$10.82)	-0.07%
13	1,000	300,000	\$25,662.93	\$25,646.70	(\$16.23)	-0.06%
14	1,000	500,000	\$39,343.61	\$39,316.56	(\$27.05)	-0.07%
15	2,500	750,000	\$64,070.34	\$64,029.77	(\$40.57)	-0.06%
16	2,500	1,000,000	\$81,085.04	\$81,030.94	(\$54.10)	-0.07%

The Dayton Power and Light Company
Case No. 19-1763-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	Proposed Bill	Dollar Increase/ (Decrease)	Percent Increase/ (Decrease)
(A)	(B)	(C)	(D)	(E)	(F) = (E) - (D)	(G) = (F) / (D)
1	5	500	\$75.36	\$75.33	(\$0.03)	-0.04%
2	5	1,500	\$162.43	\$162.35	(\$0.08)	-0.05%
3	10	1,500	\$162.48	\$162.40	(\$0.08)	-0.05%
4	25	5,000	\$466.02	\$465.75	(\$0.27)	-0.06%
5	25	7,500	\$679.38	\$678.97	(\$0.41)	-0.06%
6	25	10,000	\$852.32	\$851.78	(\$0.54)	-0.06%
7	50	25,000	\$2,011.44	\$2,010.09	(\$1.35)	-0.07%
8	200	50,000	\$4,346.18	\$4,343.48	(\$2.70)	-0.06%
9	200	125,000	\$9,635.48	\$9,628.72	(\$6.76)	-0.07%
10	500	200,000	\$16,290.92	\$16,280.10	(\$10.82)	-0.07%
11	1,000	300,000	\$25,673.22	\$25,656.99	(\$16.23)	-0.06%
12	1,000	500,000	\$39,353.90	\$39,326.85	(\$27.05)	-0.07%
13	2,500	750,000	\$64,080.64	\$64,040.07	(\$40.57)	-0.06%
14	2,500	1,000,000	\$81,095.34	\$81,041.24	(\$54.10)	-0.07%
15	5,000	1,500,000	\$127,748.94	\$127,667.79	(\$81.15)	-0.06%
16	5,000	2,000,000	\$161,692.74	\$161,584.54	(\$108.20)	-0.07%

The Dayton Power and Light Company
Case No. 19-1763-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	Proposed Bill	Dollar Increase/ (Decrease)	Percent Increase/ (Decrease)
(A)	(B)	(C)	(D)	(E)	(F) = (E) - (D)	(G) = (F) / (D)
1	5	1,000	\$347.31	\$347.31	\$0.00	0.00%
2	5	2,500	\$442.63	\$442.62	(\$0.01)	0.00%
3	10	5,000	\$617.82	\$617.81	(\$0.01)	0.00%
4	25	7,500	\$841.96	\$841.94	(\$0.02)	0.00%
5	25	10,000	\$992.76	\$992.73	(\$0.03)	0.00%
6	50	20,000	\$1,715.28	\$1,715.23	(\$0.05)	0.00%
7	50	30,000	\$2,312.82	\$2,312.74	(\$0.08)	0.00%
8	200	50,000	\$4,241.16	\$4,241.03	(\$0.13)	0.00%
9	200	75,000	\$5,734.99	\$5,734.79	(\$0.20)	0.00%
10	200	100,000	\$7,228.81	\$7,228.54	(\$0.27)	0.00%
11	500	250,000	\$17,658.29	\$17,657.62	(\$0.67)	0.00%
12	1,000	500,000	\$35,040.63	\$35,039.28	(\$1.35)	0.00%
13	2,500	1,000,000	\$72,163.49	\$72,160.79	(\$2.70)	0.00%
14	5,000	2,500,000	\$173,240.20	\$173,233.45	(\$6.75)	0.00%
15	10,000	5,000,000	\$345,774.94	\$345,761.44	(\$13.50)	0.00%
16	25,000	7,500,000	\$567,192.21	\$567,171.96	(\$20.25)	0.00%
17	25,000	10,000,000	\$715,285.71	\$715,258.71	(\$27.00)	0.00%
18	50,000	15,000,000	\$1,133,678.88	\$1,133,638.38	(\$40.50)	0.00%

The Dayton Power and Light Company
Case No. 19-1763-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	Proposed Bill	Dollar Increase/ (Decrease)	Percent Increase/ (Decrease)
(A)	(B)	(C)	(D)	(E)	(F) = (E) - (D)	(G) = (F) / (D)
1	3,000	1,000,000	\$68,205.31	\$68,213.41	\$8.10	0.01%
2	5,000	2,000,000	\$132,496.13	\$132,512.33	\$16.20	0.01%
3	5,000	3,000,000	\$190,851.73	\$190,876.03	\$24.30	0.01%
4	10,000	4,000,000	\$264,045.38	\$264,077.78	\$32.40	0.01%
5	10,000	5,000,000	\$322,400.98	\$322,441.48	\$40.50	0.01%
6	15,000	6,000,000	\$395,594.65	\$395,643.25	\$48.60	0.01%
7	15,000	7,000,000	\$453,950.25	\$454,006.95	\$56.70	0.01%
8	15,000	8,000,000	\$512,305.85	\$512,370.65	\$64.80	0.01%
9	25,000	9,000,000	\$600,337.61	\$600,410.51	\$72.90	0.01%
10	25,000	10,000,000	\$658,693.21	\$658,774.21	\$81.00	0.01%
11	30,000	12,500,000	\$819,420.26	\$819,521.51	\$101.25	0.01%
12	30,000	15,000,000	\$965,309.26	\$965,430.76	\$121.50	0.01%
13	50,000	17,500,000	\$1,170,550.50	\$1,170,692.25	\$141.75	0.01%
14	50,000	20,000,000	\$1,316,439.50	\$1,316,601.50	\$162.00	0.01%
15	50,000	25,000,000	\$1,608,217.50	\$1,608,420.00	\$202.50	0.01%

The Dayton Power and Light Company
Case No. 19-1763-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	\$32,669.01	\$32,669.56	\$0.55	0.00%
2	2,000	1,000,000	\$64,014.16	\$64,015.26	\$1.10	0.00%
3	3,000	1,500,000	\$95,187.55	\$95,189.20	\$1.65	0.00%
4	3,500	2,000,000	\$125,212.64	\$125,214.84	\$2.20	0.00%
5	5,000	2,500,000	\$157,534.34	\$157,537.09	\$2.75	0.00%
6	7,500	3,000,000	\$192,152.61	\$192,155.91	\$3.30	0.00%
7	7,500	4,000,000	\$249,906.21	\$249,910.61	\$4.40	0.00%
8	10,000	5,000,000	\$313,401.30	\$313,406.80	\$5.50	0.00%
9	10,000	6,000,000	\$371,154.90	\$371,161.50	\$6.60	0.00%
10	12,500	7,000,000	\$434,649.98	\$434,657.68	\$7.70	0.00%
11	12,500	8,000,000	\$492,403.58	\$492,412.38	\$8.80	0.00%
12	15,000	9,000,000	\$555,898.66	\$555,908.56	\$9.90	0.00%
13	20,000	10,000,000	\$625,135.23	\$625,146.23	\$11.00	0.00%
14	40,000	20,000,000	\$1,248,603.08	\$1,248,625.08	\$22.00	0.00%
15	60,000	30,000,000	\$1,872,070.94	\$1,872,103.94	\$33.00	0.00%

The Dayton Power and Light Company
Case No. 19-1763-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	\$18.95	\$18.88	(\$0.07)	-0.37%
3						
4	21000					
5	Mercury	154	\$24.79	\$24.64	(\$0.15)	-0.61%
6						
7	2500					
8	Incandescent	64	\$18.14	\$18.08	(\$0.06)	-0.33%
9						
10	7000					
11	Fluorescent	66	\$18.29	\$18.23	(\$0.06)	-0.33%
12						
13	4000					
14	Mercury	43	\$16.59	\$16.55	(\$0.04)	-0.24%
15						
16	9500					
17	High Pressure Sodium	39	\$16.29	\$16.25	(\$0.04)	-0.25%
18						
19	28000					
20	High Pressure Sodium	96	\$20.50	\$20.41	(\$0.09)	-0.44%
21						
22	3600					
23	LED	14	\$14.45	\$14.44	(\$0.01)	-0.07%
24						
25	8400					
26	LED	30	\$15.62	\$15.59	(\$0.03)	-0.19%

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

The Dayton Power and Light Company
Case No. 19-1763-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	Proposed Bill	Dollar Increase/ (Decrease)	Percent Increase/ (Decrease)
(A)	(B)	(C)	(D)	(E)	(F) = (E) - (D)	(G) = (F) / (D)
1	0.0	50	\$15.88	\$15.88	\$0.00	0.00%
2	0.0	100	\$20.00	\$19.99	(\$0.01)	-0.05%
3	0.0	200	\$28.19	\$28.18	(\$0.01)	-0.04%
4	0.0	400	\$44.52	\$44.50	(\$0.02)	-0.04%
5	0.0	500	\$52.72	\$52.69	(\$0.03)	-0.06%
6	0.0	750	\$73.17	\$73.12	(\$0.05)	-0.07%
7	0.0	1,000	\$93.64	\$93.58	(\$0.06)	-0.06%
8	0.0	1,200	\$109.99	\$109.92	(\$0.07)	-0.06%
9	0.0	1,400	\$126.35	\$126.26	(\$0.09)	-0.07%
10	0.0	1,600	\$142.71	\$142.61	(\$0.10)	-0.07%
11	0.0	2,000	\$175.42	\$175.30	(\$0.12)	-0.07%
12	0.0	2,500	\$216.12	\$215.97	(\$0.15)	-0.07%
13	0.0	3,000	\$256.80	\$256.62	(\$0.18)	-0.07%
14	0.0	4,000	\$338.13	\$337.88	(\$0.25)	-0.07%
15	0.0	5,000	\$419.51	\$419.20	(\$0.31)	-0.07%

The Dayton Power and Light Company
Case No. 19-1763-EL-RDR
Allocation Factors

Data: Actual

Type of Filing: Original

Workpaper C-1

Work Paper Reference No(s): None

Page 1 of 1

September 2018 - August 2019			
<u>Line</u>	<u>Tariff Class</u>	<u>Distribution Revenue</u>	<u>Allocation</u>
(A)	(B)	(C)	(D)
Internal Records			
1	Residential	\$ 164,627,968	69.69%
2	Secondary	\$ 54,129,701	22.92%
3	Primary	\$ 14,867,509	6.29%
4	Primary Substation	\$ 1,072,208	0.45%
5	High Voltage	\$ 124,148	0.05%
6	Street Lighting	\$ 637,160	0.27%
7	Private Outdoor Lighting	\$ 758,640	0.32%
8	Total	\$ 236,217,334	100.00%

The Dayton Power and Light Company
Case No. 19-1763-EL-RDR
Billing Determinants (kWh)
November 2019 - April 2020

Data: Actual

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>Nov-19</u>	<u>Dec-19</u>	<u>Jan-20</u>	<u>Feb-20</u>	<u>Mar-20</u>	<u>Apr-20</u>	<u>Total</u>	<u>Source</u>
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
1	Residential	364,220,192	463,198,472	601,309,048	541,571,577	489,343,820	401,714,015	2,861,357,124	Corporate Forecast
2	Secondary	319,694,439	314,291,001	346,468,492	325,607,923	325,739,275	313,427,551	1,945,228,681	Corporate Forecast
3	Primary	236,994,978	221,825,326	227,737,586	225,106,856	227,981,479	233,409,022	1,373,055,247	Corporate Forecast
4	Primary Substation	67,792,671	61,880,107	62,557,870	57,255,650	54,682,302	58,319,010	362,487,611	Corporate Forecast
5	High Voltage	87,007,685	75,499,051	79,671,927	79,365,988	77,163,377	80,082,068	478,790,096	Corporate Forecast
6	Street Lighting	4,379,661	4,183,545	4,141,140	4,178,186	4,325,201	4,350,010	25,557,743	Corporate Forecast
7	Private Outdoor Lighting	<u>2,324,375</u>	<u>234,498</u>	<u>2,218,936</u>	<u>2,514,820</u>	<u>2,287,546</u>	<u>2,297,325</u>	<u>11,877,499</u>	Corporate Forecast
8	Total	1,082,414,000	1,141,112,000	1,324,105,000	1,235,601,000	1,181,523,000	1,093,599,000	7,058,354,000	Sum (Line 1 thru Line 7)

The Dayton Power and Light Company
Case No. 19-1763-EL-RDR
Calculation of Carrying Costs for Economic Development
Prior to March 2019 - April 2020

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

Workpaper D-1
Page 1 of 1

Line (A)	Period (B)	MONTHLY ACTIVITY							CARRYING COST CALCULATION		
		First of Month Balance (C)	New Charges (D)	Amount Collected (CR) (E)	NET AMOUNT (F) (F) = (D) + (E)	End of Month before Carrying Cost (G) (G) = (C) + (F)	Carrying Costs (H) (H) = (L) * (COD / 12)	End of Month Balance (I) (I) = (G) + (H)	End of Month Balance (J) (J) = (G)	Less: One-half Monthly Amount (K) (K) = - (F) * .5	Total Applicable to Carrying Cost (L) (L) = (J) + (K)
1	Prior to March-19							(\$233,933)	\$0	\$0	\$0
2	Mar-19	(\$233,933)	\$467,218	(\$477,005)	(\$9,787)	(\$243,720)	(\$955)	(\$244,675)	(\$243,720)	\$4,893	(\$238,827)
3	Apr-19	(\$244,675)	\$524,383	(\$406,003)	\$118,380	(\$126,296)	(\$742)	(\$127,038)	(\$126,296)	(\$59,190)	(\$185,486)
4	May-19	(\$127,038)	\$502,967	(\$456,796)	\$46,172	(\$80,866)	(\$416)	(\$81,282)	(\$80,866)	(\$23,086)	(\$103,952)
5	Jun-19	(\$81,282)	\$536,581	(\$486,266)	\$50,315	(\$30,967)	(\$224)	(\$31,192)	(\$30,967)	(\$25,157)	(\$56,124)
6	Jul-19	(\$31,192)	\$514,209	(\$634,564)	(\$120,355)	(\$151,546)	(\$365)	(\$151,912)	(\$151,546)	\$60,177	(\$91,369)
7	Aug-19	(\$151,912)	\$577,290	(\$674,228)	(\$96,939)	(\$248,850)	(\$802)	(\$249,652)	(\$248,850)	\$48,469	(\$200,381)
8	Sep-19	(\$249,652)	\$575,525	(\$622,362)	(\$46,837)	(\$296,489)	(\$1,092)	(\$297,581)	(\$296,489)	\$23,419	(\$273,071)
9	Oct-19	(\$297,581)	\$536,421	(\$520,521)	\$15,900	(\$281,682)	(\$1,159)	(\$282,840)	(\$281,682)	(\$7,950)	(\$289,632)
10	Nov-19	(\$282,840)	\$528,800	(\$374,728)	\$154,072	(\$128,768)	(\$823)	(\$129,591)	(\$128,768)	(\$77,036)	(\$205,804)
11	Dec-19	(\$129,591)	\$484,224	(\$434,194)	\$50,030	(\$79,561)	(\$418)	(\$79,980)	(\$79,561)	(\$25,015)	(\$104,576)
12	Jan-20	(\$79,980)	\$492,306	(\$537,093)	(\$44,788)	(\$124,767)	(\$409)	(\$125,177)	(\$124,767)	\$22,394	(\$102,373)
13	Feb-20	(\$125,177)	\$488,390	(\$491,057)	(\$2,666)	(\$127,843)	(\$506)	(\$128,349)	(\$127,843)	\$1,333	(\$126,510)
14	Mar-20	(\$128,349)	\$453,771	(\$457,012)	(\$3,240)	(\$131,589)	(\$520)	(\$132,109)	(\$131,589)	\$1,620	(\$129,969)
15	Apr-20	(\$132,109)	\$528,820	(\$396,501)	\$132,319	\$210	(\$264)	(\$54)	\$210	(\$66,160)	(\$65,950)

The Dayton Power and Light Company
Case No. 19-1763-EL-RDR
Calculation of Private Outdoor Lighting Charges

Data: Actual

Type of Filing: Original

Workpaper E-1

Work Paper Reference No(s).: None

Page 1 of 1

<u>Line</u>	<u>Description</u>	<u>kWh / Fixture</u>	<u>\$ / KWH Rate</u>	<u>POL Charge/Fixture/ Month</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	\$ 0.0007294	\$ 0.0102116
3	8400 Lumens LED	30	\$ 0.0007294	\$ 0.0218820
4	9500 Lumens High Pressure Sodium	39	\$ 0.0007294	\$ 0.0284466
5	28000 Lumens High Pressure Sodium	96	\$ 0.0007294	\$ 0.0700224
6	7000 Lumens Mercury	75	\$ 0.0007294	\$ 0.0547050
7	21000 Lumens Mercury	154	\$ 0.0007294	\$ 0.1123276
8	2500 Lumens Incandescent	64	\$ 0.0007294	\$ 0.0466816
9	7000 Lumens Fluorescent	66	\$ 0.0007294	\$ 0.0481404
10	4000 Lumens PT Mercury	43	\$ 0.0007294	\$ 0.0313642

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9/16/2019 2:41:49 PM

in

Case No(s). 19-1763-EL-RDR

Summary: Application to Update the Economic Development Rider electronically filed by Mrs. Jessica E Kellie on behalf of The Dayton Power and Light Company