## **Duquesne Light Company**

## Default Service Rate Calculation - Illustrative Purposes Only

## Rate Design for Lighting Tariff Rate Schedules AL, SE, SM, SH & PAL Based on Average Bid Prices for Rates Effective June 1, 2019 through November 30, 2019

2 Line Losses (Transmission 0.8%; Distribution 6.1%)         6.9%           3 Price Adjustment for Losses (per MWh)         \$3.57 Line 1 * Line 2           4 Price Adjusted for Losses (per MWh)         \$55.29 Line 1 * Line 3           5 Administrative Fees to conduct RFPs         \$68.365           6 Forecast POLR Sales (MWh) - June 1, 2019-November 30, 2019         1,428,459           7 Administrative Adder         \$0.05 Line 5 / Line 6           Total Unbundling           8 Filling Preparation and Approval Process Expense         \$68,258           9 Working Capital for Default Service Supply Expense         \$522,012           10 Total Residential/Lighting Unbundling Expense         \$590,270         Line 8 + Line 9           11 Forecast POLR Sales (MWh) - June 1, 2019-November 30, 2019         1,428,459         \$0.41 Line 11 / Line 12           12 Unbundling Adder (per MWh)         \$0.41 Line 11 / Line 12         Line 11 / Line 12           13 E-Factor (Over)/Under Reconciliation         \$99,353         Line 13 + Line 14           14 Reconciliation Period (Over)/Under Collection         \$99,353         Line 13 + Line 14           16 Forecast POLR Sales (MWh) - June 1, 2019-November 30, 2019         1,428,459           17 (Over)/Under Reconciliation Adder (per MWh)         \$55.05 Line 4 + Line 7 + Line 12 + Line 17           18 Adjusted Wholesale Price (per MWh)         \$35.05 Line 2	1	Total Average Winning Bid Price for Lighting per MWh			\$51.72	
Price Adjustment for Losses (per MWh)	2	Line Losses (Transmission 0.8%: Distribution 6.1%)		6.9%		
Price Adjusted for Losses (per MWh)   \$55.29   Line 1 + Line 3	3	· · · · · · · · · · · · · · · · · · ·			\$3.57	Line 1 * Line 2
Forecast POLR Sales (MWh) - June 1, 2019-November 30, 2019	4				\$55.29	Line 1 + Line 3
Total Unbundling         \$0.05 Line 5 / Line 6           Total Unbundling         \$0.05 Line 5 / Line 6           Filing Preparation and Approval Process Expense         \$68,258         9 Working Capital for Default Service Supply Expense         \$590,270         Line 8 + Line 9           11 Forecast POLR Sales (MWh) - June 1, 2019-November 30, 2019         1,428,459         Line 11 / Line 12           12 Unbundling Adder (per MWh)         \$0.41 Line 11 / Line 12         Total E-Factor (Over)/Under Reconciliation           13 E-Factor (Over)/Under Reconciliation         (\$390,543)         Line 13 + Line 14           14 Reconciliation Period (Over)/Under Collection         (\$399,353)         Line 13 + Line 14           16 Forecast POLR Sales (MWh) - June 1, 2019-November 30, 2019         1,428,459           17 (Over)/Under Reconciliation Adder (per MWh)         (\$0.70) Line 15 / Line 16           18 Adjusted Wholesale Price (per MWh)         \$55.05 Line 4 + Line 7 + Line 12 + Line 17           19 Rate Factor         0.6009           20 Total Adjusted Wholesale Price for Rate Factor (\$/MWh)         \$33.08 Line 18 * Line 29           21 PA GRT © 5.9%         \$2.07 Line 23 * (.059/(1059))           22 Total Rate (per MWh)         \$35.15 Line 20 + Line 21	5	Administrative Fees to conduct RFPs		\$68,365		
Total Unbundling   Siling Preparation and Approval Process Expense   \$68,258	6	Forecast POLR Sales (MWh) - June 1, 2019-November 30, 2019	1,428,459			
Filing Preparation and Approval Process Expense   \$68,258   Working Capital for Default Service Supply Expense   \$522,012     Total Residential/Lighting Unbundling Expense   \$590,270   Line 8 + Line 9	7	Administrative Adder			\$0.05	Line 5 / Line 6
9 Working Capital for Default Service Supply Expense         \$522,012           10 Total Residential/Lighting Unbundling Expense         \$590,270           11 Forecast POLR Sales (MWh) - June 1, 2019-November 30, 2019         1,428,459           12 Unbundling Adder (per MWh)         \$0.41 Line 11 / Line 12           Total E-Factor (Over)/Under Reconciliation           13 E-Factor (Over)/Under Collection         (\$608,810)           14 Reconciliation Period (Over)/Under Collection         (\$399,543)           15 Total E-Factor (Over)/Under Collection         (\$999,353)           16 Forecast POLR Sales (MWh) - June 1, 2019-November 30, 2019         1,428,459           17 (Over)/Under Reconciliation Adder (per MWh)         (\$0.70) Line 15 / Line 16           18 Adjusted Wholesale Price (per MWh)         \$55.05 Line 4 + Line 7 + Line 12 + Line 17           19 Rate Factor         0.6009           20 Total Adjusted Wholesale Price for Rate Factor (\$/MWh)         \$33.08 Line 18 * Line 19           21 PA GRT @ 5.9%         \$2.07 Line 23 * (.059/(1059))           22 Total Rate (per MWh)         \$35.15 Line 20 + Line 21						
Total Residential/Lighting Unbundling Expense       \$590,270       Line 8 + Line 9         11 Forecast POLR Sales (MWh) - June 1, 2019-November 30, 2019       1,428,459         12 Unbundling Adder (per MWh)       \$0.41 Line 11 / Line 12         Total E-Factor (Over)/Under Reconciliation       (\$608,810)         13 E-Factor (Over)/Under Collection       (\$390,543)         15 Total E-Factor (Over)/Under Collection       (\$999,353)       Line 13 + Line 14         16 Forecast POLR Sales (MWh) - June 1, 2019-November 30, 2019       1,428,459         17 (Over)/Under Reconciliation Adder (per MWh)       (\$0.70) Line 15 / Line 16         18 Adjusted Wholesale Price (per MWh)       \$55.05 Line 4 + Line 7 + Line 12 + Line 17         19 Rate Factor       0.6009         20 Total Adjusted Wholesale Price for Rate Factor (\$/MWh)       \$33.08 Line 18 * Line 19         21 PA GRT @ 5.9%       \$2.07 Line 23 * (.059/(1059))         22 Total Rate (per MWh)       \$35.15 Line 20 + Line 21	8	·				
Forecast POLR Sales (MWh) - June 1, 2019-November 30, 2019	9					
Total E-Factor (Over)/Under Reconciliation	10	Total Residential/Lighting Unbundling Expense		\$590,270		Line 8 + Line 9
Total E-Factor (Over)/Under Reconciliation     E-Factor (Over)/Under Collection     Reconciliation Period (Over)/Under Collection     Reconciliation Period (Over)/Under Collection     Reconciliation Period (Over)/Under Collection     Total E-Factor (Over)/Under Collection     Forecast POLR Sales (MWh) - June 1, 2019-November 30, 2019     Total E-Factor (Over)/Under Reconciliation Adder (per MWh)     Retor	11		1,428,459			
E-Factor (Over)/Under Collection (\$608,810) Reconciliation Period (Over)/Under Collection (\$390,543)  Total E-Factor (Over)/Under Collection (\$999,353)  Line 13 + Line 14  Forecast POLR Sales (MWh) - June 1, 2019-November 30, 2019 1,428,459  (Over)/Under Reconciliation Adder (per MWh) (\$0.70) Line 15 / Line 16  Adjusted Wholesale Price (per MWh) \$55.05 Line 4 + Line 7 + Line 12 + Line 17  Rate Factor 0.6009  Total Adjusted Wholesale Price for Rate Factor (\$/MWh) \$33.08 Line 18 * Line 19  PA GRT © 5.9% \$2.07 Line 23 * (.059/(1059))  Total Rate (per MWh) \$35.15 Line 20 + Line 21	12	Unbundling Adder (per MWh)			\$0.41	Line 11 / Line 12
14 Reconciliation Period (Over)/Under Collection       (\$390,543)       Line 13 + Line 14         15 Total E-Factor (Over)/Under Collection       (\$999,353)       Line 13 + Line 14         16 Forecast POLR Sales (MWh) - June 1, 2019-November 30, 2019       1,428,459         17 (Over)/Under Reconciliation Adder (per MWh)       (\$0.70) Line 15 / Line 16         18 Adjusted Wholesale Price (per MWh)       \$55.05 Line 4 + Line 7 + Line 12 + Line 17         19 Rate Factor       0.6009         20 Total Adjusted Wholesale Price for Rate Factor (\$/MWh)       \$33.08 Line 18 * Line 19         21 PA GRT @ 5.9%       \$2.07 Line 23 * (.059/(1059))         22 Total Rate (per MWh)       \$35.15 Line 20 + Line 21		Total E-Factor (Over)/Under Reconciliation				
Total E-Factor (Over)/Under Collection (\$999,353) Line 13 + Line 14    Forecast POLR Sales (MWh) - June 1, 2019-November 30, 2019   1,428,459	13	E-Factor (Over)/Under Collection	(	\$608,810)		
16 Forecast POLR Sales (MWh) - June 1, 2019-November 30, 2019 17 (Over)/Under Reconciliation Adder (per MWh) 18 Adjusted Wholesale Price (per MWh) 19 Rate Factor 20 Total Adjusted Wholesale Price for Rate Factor (\$/MWh) 21 PA GRT © 5.9% 22 Total Rate (per MWh) 23 S.15 Line 20 + Line 21	14	Reconciliation Period (Over)/Under Collection	(	\$390,543)		
17 (Over)/Under Reconciliation Adder (per MWh)  18 Adjusted Wholesale Price (per MWh)  19 Rate Factor  20 Total Adjusted Wholesale Price for Rate Factor (\$/MWh)  21 PA GRT @ 5.9%  Total Rate (per MWh)  22 Total Rate (per MWh)  35 .05 Line 4 + Line 7 + Line 12 + Line 17  0.6009  23	15	Total E-Factor (Over)/Under Collection	(	\$999,353)		Line 13 + Line 14
18 Adjusted Wholesale Price (per MWh)  19 Rate Factor  20 Total Adjusted Wholesale Price for Rate Factor (\$/MWh)  21 PA GRT @ 5.9%  Total Rate (per MWh)  22 Total Rate (per MWh)  355.05 Line 4 + Line 7 + Line 12 + Line 17  0.6009  \$33.08 Line 18 * Line 19  \$2.07 Line 23 * (.059/(1059))  \$35.15 Line 20 + Line 21	16	Forecast POLR Sales (MWh) - June 1, 2019-November 30, 2019	1,428,459			
19 Rate Factor 0.6009 20 Total Adjusted Wholesale Price for Rate Factor (\$/MWh) \$33.08 Line 18 * Line 19 21 PA GRT @ 5.9% \$2.07 Line 23 * (.059/(1059)) 22 Total Rate (per MWh) \$35.15 Line 20 + Line 21	17	(Over)/Under Reconciliation Adder (per MWh)			(\$0.70)	Line 15 / Line 16
20 Total Adjusted Wholesale Price for Rate Factor (\$/MWh) \$33.08 Line 18 * Line 19  21 PA GRT @ 5.9% \$2.07 Line 23 * (.059/(1059))  22 Total Rate (per MWh) \$35.15 Line 20 + Line 21	18	Adjusted Wholesale Price (per MWh)			\$55.05	Line 4 + Line 7 + Line 12 + Line 17
21 PA GRT @ 5.9%  22 Total Rate (per MWh)  \$2.07 Line 23 * (.059/(1059))  \$35.15 Line 20 + Line 21	19	Rate Factor	0.6009			
22 Total Rate (per MWh) \$35.15 Line 20 + Line 21	20	Total Adjusted Wholesale Price for Rate Factor (\$/MWh)			\$33.08	Line 18 * Line 19
22 Total Rate (per MWh) \$35.15 Line 20 + Line 21	21	PA GRT @ 5.9%			\$2.07	Line 23 * (.059/(1059))
23 Lighting RFP Retail Supply Rate (¢ per kWh)  3.5149 Line 22 / 10						, , , , , , , , , , , , , , , , , , , ,
	23	Lighting RFP Retail Supply Rate (¢ per kWh)			3.5149	Line 22 / 10