



Michael Zimmerman
Counsel, Regulatory

411 Seventh Avenue
Mail drop 15-7
Pittsburgh, PA 15219

Tel: 412-393-6268
mzimmerman@duqlight.com

August 1, 2019

VIA ELECTRONIC FILING

Ms. Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building, 2nd Floor
400 North Street
Harrisburg, PA 17120

**Re: Duquesne Light Company Annual Smart Meter Deployment Update
Docket No. – M-2009-2123948**

Dear Secretary Chiavetta:

Enclosed for filing, please find an original copy of Duquesne Light Company's Annual Update regarding its implementation of Advanced Metering Infrastructure.

Should you have any questions, please feel free to contact me at 412-393-6268.

Respectfully Submitted,

A handwritten signature in blue ink, appearing to read "Michael Zimmerman".

Michael Zimmerman
Counsel, Regulatory

Enclosures

Cc: Certificate of Service

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

**DUQUESNE LIGHT COMPANY
SMART METER PROCUREMENT AND INSTALLATION
ANNUAL UPDATE**

I. INTRODUCTION

Act 129 of 2008 (“Act 129”) requires large electric distribution companies (“EDCs”) such as Duquesne Light Company (“Duquesne Light” or “Company”) to deploy smart meter technology.¹ On June 24, 2009, the Pennsylvania Public Utility Commission (“Commission”) entered its Smart Meter Procurement and Installation Implementation Order² (“SM Implementation Order”) which provided electric distribution companies (“EDCs”) with further guidance regarding the requirements for smart meter procurement and installation. Among other things, the SM Implementation Order provides that EDCs are required “to file a Smart Meter Progress report on an annual basis that will update the status of their installation plans, including the number of customers who received meters in the prior year, the estimated number of customers scheduled to receive meters in the coming year, and all costs associated with the meter plan incurred during the previous year.” This update is submitted in compliance with the Commission’s SM Implementation Order.

II. BACKGROUND

On June 29, 2012, Duquesne Light filed a Petition for Approval of its Final Smart Meter Procurement and Installation Plan (“2012 SMIP”). On December 7, 2012, Duquesne Light and

¹ 66 Pa. C.S. § 2807(f).

² Smart Meter Procurement and Installation Order, Docket No. M-2009-2092655.

the Office of the Consumer Advocate filed an uncontested Joint Petition for Approval of Full Settlement (“Joint Petition”) in the 2012 SMIP. The Joint Petition proposed to resolve all issues related to the Company’s smart meter implementation including the deployment schedule and technology solutions.

On January 24, 2013, Administrative Law Judge Katrina Dunderdale issued an Initial Decision approving the Joint Petition. Subsequently, on May 6, 2013, the Pennsylvania Public Utility Commission (“Commission”) entered its Opinion and Order (“May 6 Order”) approving the Joint Petition.

On August 4, 2015, Duquesne Light filed a Petition for Approval to Modify its Smart Meter Procurement and Installation Plan (“2015 Amended Plan”).³ Following evidentiary hearings on February 18, 2016, and June 30, 2016, Administrative Law Judge Katrina Dunderdale issued an Initial Decision approving in part and rejecting in part the 2015 Amended Plan.⁴ On April 7, 2017, the Commission adopted the Initial Decision in its entirety.

III. ADVANCED METERING INFRASTRUCTURE DEPLOYMENT

Duquesne Light has made significant progress in its deployment of Advanced Metering Infrastructure (“AMI”), and has deployed 621,000 meters through the end of December, 2018. As explained in the Company’s 2015 Amended Plan, Duquesne Light’s advanced metering infrastructure consists of four components: Local Area Network (“LAN”), Wide Area Network (“WAN”), Head End Collection Engine, and Itron Smart Meters. To deliver the required functionality outlined in Act 129 and the Smart Meter Implementation Order, the Company must

³ *Petition of Duquesne Light Company for Approval to Modify its Smart Meter Procurement and Installation Plan*, Docket No. P-2015-2497267.

⁴ The Initial Decision denied approval for Duquesne Light to recover costs associated with implementation of an Automated Distribution Management System, and approved the remaining components of the 2015 Amended Plan.

build out the necessary infrastructure to enable bidirectional communication and interval usage data. Deployment of this infrastructure, discussed in further detail below, follows the schedule in the 2015 Amended Plan.

A. Local Area Network (LAN)

As indicated in its 2018 Annual Update, the Company has completed deployment of the Local Area Network (LAN), which delivers metering data from the meter to the Wide Area Network (discussed below). The LAN consists of Cell Relays and Subscriber units called Data Aggregations Points (“DAPs”). These DAPs transmit meter data via the subscriber units to the WAN as described above. The Company completed the DAP installation in June of 2017.

B. Wide Area Network (WAN)

As indicated in its 2018 Annual Update, the Company has completed the build-out of the system-wide WAN network. The WAN network design includes antennas at various field sites which receive data from the subscriber units, (radios) in the field. These subscriber units then transmit the data to radio and telecommunications equipment installed at the base of the tower, which is used to transport data back to the Company’s data center.

C. Head End Collection Engine

The Head End Collection Engine performs network management and coordinates data collection and operations of the Smart Meters. Duquesne Light completed deployment of this component in June of 2015.

D. Meter Deployment and the Open Way Collection Engine

The Company continues to install Itron Smart Meters with the Open Way Collection Engine solution. Through the end of June 2019, the Company has installed approximately 621,000 Smart Meters (i.e., approximately 40,900 smart meters installed since June 2018). Consistent with

the 2015 Amended Plan, the Company has substantially completed residential Smart Meter deployment by end of year 2018, and is on schedule to substantially complete commercial and industrial Smart Meter deployment by end of year 2019. Approximately 200 legacy meters remain to be exchanged with smart meters, all of which Duquesne Light plans to deploy by the end of year 2019.

IV. AMI COST

On July 31, 2019, the Company filed its Smart Meter Charge Annual Reconciliation Statement for the period of July 1, 2018 through June 30, 2019 (“Reconciliation Period”). The reconciliation statement details cost incurred by the Company during the Reconciliation Period. A copy of that filing is attached. Note that as of December 29, 2018, smart meter costs have been rolled into the Company’s base distribution rates, pursuant to the settlement at Docket No. R-2018-3000124 approved by Order entered December 20, 2018. Subsequent Smart Meter Charge entries are reflective of e-factor only.

Respectfully submitted,



Michael Zimmerman, Esq.
Counsel, Regulatory
Duquesne Light Company
411 Seventh Avenue
Pittsburgh, PA 15219
Phone: (412) 393-6268
E-mail: mzimmerman@duqlight.com

CERTIFICATE OF SERVICE

I hereby certify that a true and correct copy of the foregoing has been served upon the following persons, in the manner indicated, in accordance with the requirements of 52 Pa. Code § 1.54 (relating to service by a participant).

FIRST CLASS MAIL

Bureau of Investigation and Enforcement
Pennsylvania Public Utility Commission
400 North Street, 2nd Floor West
P.O. Box 3265
Harrisburg, PA 17105-3265

Office of Consumer Advocate
555 Walnut Street
Forum Place, 5th Floor
Harrisburg, PA 17101

Pennsylvania Public Utility Commission
UPARC
Bureau of Audits
3070 William Pitt Way
Pittsburgh, PA 15238

Office of Small Business Advocate
300 North 2nd Street
Suite 202
Harrisburg, PA 17101



Michael Zimmerman, Esq.
Counsel, Regulatory
Duquesne Light Company
411 Seventh Avenue, 15-7
Pittsburgh, PA 15219
412-393-6268
mzimmerman@duqlight.com

Date: August 1, 2018

APPENDIX

DUQUESNE LIGHT RIDER NO. 20: SMART METER CHARGE
ANNUAL RECONCIATION FILED JULY 31, 2019



Michael Zimmerman
Counsel, Regulatory

411 Seventh Avenue
Mail drop 15-7
Pittsburgh, PA 15219

Tel: 412-393-6268
mzimmerman@duqlight.com

July 31, 2019

VIA ELECTRONIC FILING

Ms. Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building, 2nd Floor
400 North Street
Harrisburg, PA 17120

**Re: Duquesne Light Company – Rider No. 20 Smart Meter Charge
Annual Reconciliation**

Dear Secretary Chiavetta:

Enclosed for filing, please find an original copy of the annual reconciliation of Duquesne Light Company's Smart Meter Charge Rider for the period July 1, 2018 through June 30, 2019.

Should you have any questions, please feel free to contact me or David Ogden, Manager of Rates and Tariff Services, at 412-393-6343.

Respectfully Submitted,

A handwritten signature in blue ink, appearing to read "Michael Zimmerman", is written over a light blue horizontal line.

Michael Zimmerman
Counsel, Regulatory

Enclosures
Cc: Certificate of Service

Exhibit 1

Duquesne Light Company
Rider 20 -Smart Meter Charge
Annual Reconciliation - July 1, 2018 through June 30, 2019

Summary of Reconciliation Period

1	Surcharge Revenue, Inc. GRT	\$12,990,333	Exh. 1, Page 2
2	Surcharge Revenue, Excl. GRT	\$12,223,903	Line 1 * 0.941
3	E-Factor Revenue, Inc. GRT	(\$1,586,614)	Exh. 1, Page 2
4	E-Factor Revenue, Excl. GRT	<u>(\$1,493,004)</u>	Line 3 * 0.941
5	Net Smart Meter Related Revenue, Excl. GRT	\$13,716,907	Line 2 - Line 4
6	Smart Meter Related Expense	<u>\$15,193,321</u>	Exh. 1, Page 2
7	Reconciliation Period (Over)/Under Collection	\$1,476,414	Line 6 - Line 5
8	Interest on (Over)/Under Collection	<u>\$156,903</u>	Exh. 1, Page 2
9	Total Reconciliation Period (Over)/Under Collection	<u>\$1,633,318</u>	Line 7 + Line 8

Exhibit 1

Duquesne Light Company
Rider 20 - Smart Meter Charge
Annual Reconciliation - July 1, 2018 through June 30, 2019

TOTAL - SINGLE PHASE AND POLY PHASE METERS COMBINED

Statement of (Over)/Under Collections for the Reconciliation Period - July 2018 through June 2019

	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Total
1 Net Surcharge Revenue, Incl. GRT	\$2,405,888	\$2,170,616	\$1,883,559	\$2,638,738	\$2,742,122	\$2,207,766	(\$430,851)	(\$112,684)	(\$129,831)	(\$128,541)	(\$128,703)	(\$127,747)	\$12,990,333
2 Less E-Factor Revenue, Incl. GRT	(\$135,990)	(\$136,263)	(\$136,515)	(\$136,643)	(\$136,831)	(\$136,967)	(\$127,650)	(\$128,065)	(\$128,146)	(\$127,905)	(\$127,745)	(\$127,894)	(\$1,586,614)
3 Smart Meter Charge Related Revenue	\$2,541,878	\$2,306,879	\$2,020,074	\$2,775,380	\$2,878,952	\$2,344,734	(\$303,200)	\$15,382	(\$1,685)	(\$636)	(\$958)	\$148	\$14,576,947
4 Smart Meter Charge Related Revenue	\$2,541,878	\$2,306,879	\$2,020,074	\$2,775,380	\$2,878,952	\$2,344,734	(\$303,200)	\$15,382	(\$1,685)	(\$636)	(\$958)	\$148	\$14,576,947
5 Less PA Gross Receipts Tax	\$149,971	\$136,106	\$119,184	\$163,747	\$169,858	\$138,339	(\$17,889)	\$908	(\$99)	(\$38)	(\$57)	\$9	\$860,040
6 Net Smart Meter Charge Related Revenue	\$2,391,907	\$2,170,773	\$1,900,890	\$2,611,633	\$2,709,094	\$2,206,394	(\$285,311)	\$14,474	(\$1,586)	(\$599)	(\$901)	\$139	\$13,716,907
7 Expense (1)	\$2,527,539	\$2,431,415	\$2,266,126	\$3,050,842	\$2,610,223	\$2,307,177	\$0	\$0	\$0	\$0	\$0	\$0	\$15,193,321
8 (Over)/Under Collection	\$135,632	\$260,642	\$365,236	\$439,209	(\$98,871)	\$100,783	\$285,311	(\$14,474)	\$1,586	\$599	\$901	(\$139)	\$1,476,414
9 Interest	\$16,276	\$29,974	\$40,176	\$46,117	(\$9,887)	\$9,574	\$25,678	(\$1,230)	\$127	\$45	\$63	(\$9)	\$156,903
10 Total (Over)/Under Collection	\$151,907	\$290,616	\$405,412	\$485,325	(\$108,758)	\$110,357	\$310,989	(\$15,704)	\$1,712	\$644	\$964	(\$148)	\$1,633,318

(1) As part of the Company's 2018 Distribution Rate Case that was adopted in the Commission order entered December 20, 2018 at Docket No. R-2018-3000124, effective December 29, 2018, the Company revised Rider No. 20 to remove the recovery of both capitalized expenses and O&M expenses from the rider and recoup those expenses through the Company's base rates.

Exhibit 1

Duquesne Light Company
Rider 20 - Smart Meter Charge
Annual Reconciliation - July 1, 2018 through June 30, 2019

SINGLE PHASE METERS

Statement of (Over)/Under Collections for the Reconciliation Period - July 2018 through June 2019

	<u>Jul-18</u>	<u>Aug-18</u>	<u>Sep-18</u>	<u>Oct-18</u>	<u>Nov-18</u>	<u>Dec-18</u>	<u>Jan-19</u>	<u>Feb-19</u>	<u>Mar-19</u>	<u>Apr-19</u>	<u>May-19</u>	<u>Jun-19</u>	<u>Total</u>
1 Net Surcharge Revenue, Incl. GRT	\$2,275,130	\$2,039,833	\$1,752,643	\$2,483,595	\$2,587,029	\$2,052,394	(\$376,982)	(\$58,486)	(\$75,617)	(\$74,413)	(\$74,618)	(\$73,549)	\$12,456,959
2 Less E-Factor Revenue, Incl. GRT	(\$127,721)	(\$127,993)	(\$128,236)	(\$128,353)	(\$128,544)	(\$128,666)	(\$73,623)	(\$73,708)	(\$73,772)	(\$73,617)	(\$73,500)	(\$73,537)	(\$1,211,270)
3 Smart Meter Charge Related Revenue	\$2,402,851	\$2,167,826	\$1,880,880	\$2,611,948	\$2,715,572	\$2,181,060	(\$303,359)	\$15,222	(\$1,845)	(\$796)	(\$1,117)	(\$12)	\$13,668,229
4 Smart Meter Charge Related Revenue	\$2,402,851	\$2,167,826	\$1,880,880	\$2,611,948	\$2,715,572	\$2,181,060	(\$303,359)	\$15,222	(\$1,845)	(\$796)	(\$1,117)	(\$12)	\$13,668,229
5 Less PA Gross Receipts Tax	\$141,768	\$127,902	\$110,972	\$154,105	\$160,219	\$128,683	(\$17,898)	\$898	(\$109)	(\$47)	(\$66)	(\$1)	\$806,425
6 Net Smart Meter Charge Related Revenue	\$2,261,082	\$2,039,924	\$1,769,908	\$2,457,843	\$2,555,354	\$2,052,377	(\$285,461)	\$14,324	(\$1,736)	(\$749)	(\$1,051)	(\$11)	\$12,861,803
7 Expense	\$2,423,544	\$2,331,011	\$2,171,762	\$2,923,395	\$2,498,868	\$2,208,388	\$0	\$0	\$0	\$0	\$0	\$0	\$14,556,969
8 (Over)/Under Collection	\$162,461	\$291,087	\$401,855	\$465,552	(\$56,485)	\$156,011	\$285,461	(\$14,324)	\$1,736	\$749	\$1,051	\$11	\$1,695,166
9 Interest	\$19,495	\$33,475	\$44,204	\$48,883	(\$5,649)	\$14,821	\$25,691	(\$1,218)	\$139	\$56	\$74	\$1	\$179,973
10 Total (Over)/Under Collection	\$181,957	\$324,562	\$446,059	\$514,435	(\$62,134)	\$170,832	\$311,152	(\$15,541)	\$1,875	\$805	\$1,125	\$12	\$1,875,139

Exhibit 1

Duquesne Light Company
Rider 20 - Smart Meter Charge
Annual Reconciliation - July 1, 2018 through June 30, 2019

POLY PHASE METERS

Statement of (Over)/Under Collections for the Reconciliation Period - July 2018 through June 2019

	<u>Jul-18</u>	<u>Aug-18</u>	<u>Sep-18</u>	<u>Oct-18</u>	<u>Nov-18</u>	<u>Dec-18</u>	<u>Jan-19</u>	<u>Feb-19</u>	<u>Mar-19</u>	<u>Apr-19</u>	<u>May-19</u>	<u>Jun-19</u>	<u>Total</u>
1 Net Surcharge Revenue, Incl. GRT	\$130,759	\$130,783	\$130,916	\$155,143	\$155,093	\$155,372	(\$53,869)	(\$54,197)	(\$54,215)	(\$54,128)	(\$54,085)	(\$54,197)	\$533,374
2 Less E-Factor Revenue, Incl. GRT	(\$8,269)	(\$8,270)	(\$8,278)	(\$8,290)	(\$8,287)	(\$8,302)	(\$54,028)	(\$54,357)	(\$54,375)	(\$54,287)	(\$54,245)	(\$54,357)	(\$375,344)
3 Smart Meter Charge Related Revenue	\$139,027	\$139,053	\$139,194	\$163,432	\$163,380	\$163,674	\$159	\$160	\$160	\$160	\$160	\$160	\$908,718
4 Smart Meter Charge Related Revenue	\$139,027	\$139,053	\$139,194	\$163,432	\$163,380	\$163,674	\$159	\$160	\$160	\$160	\$160	\$160	\$908,718
5 Less PA Gross Receipts Tax	\$8,203	\$8,204	\$8,212	\$9,643	\$9,639	\$9,657	\$9	\$9	\$9	\$9	\$9	\$9	\$53,614
6 Net Smart Meter Charge Related Revenue	\$130,825	\$130,849	\$130,982	\$153,790	\$153,740	\$154,017	\$149	\$150	\$150	\$150	\$150	\$150	\$855,104
7 Expense	\$103,995	\$100,404	\$94,363	\$127,446	\$111,355	\$98,789	\$0	\$0	\$0	\$0	\$0	\$0	\$636,352
8 (Over)/Under Collection	(\$26,830)	(\$30,445)	(\$36,619)	(\$26,344)	(\$42,385)	(\$55,228)	(\$149)	(\$150)	(\$150)	(\$150)	(\$150)	(\$150)	(\$218,752)
9 Interest	(\$3,220)	(\$3,501)	(\$4,028)	(\$2,766)	(\$4,239)	(\$5,247)	(\$13)	(\$13)	(\$12)	(\$11)	(\$11)	(\$10)	(\$23,070)
10 Total (Over)/Under Collection	(\$30,049)	(\$33,946)	(\$40,647)	(\$29,110)	(\$46,624)	(\$60,475)	(\$163)	(\$163)	(\$162)	(\$161)	(\$161)	(\$160)	(\$241,822)

Exhibit 1

Duquesne Light Company
Rider 20 - Smart Meter Charge
Annual Reconciliation - July 1, 2018 through June 30, 2019

Summary of Surcharge Revenue

	<u>Jul-18</u>	<u>Aug-18</u>	<u>Sep-18</u>	<u>Oct-18</u>	<u>Nov-18</u>	<u>Dec-18</u>	<u>Jan-19</u>	<u>Feb-19</u>	<u>Mar-19</u>	<u>Apr-19</u>	<u>May-19</u>	<u>Jun-19</u>	<u>Total</u>	
A. Net Surcharge Revenue by Meter Type, Incl. GRT														
1	Single Phase	\$2,275,130	\$2,039,833	\$1,752,643	\$2,483,595	\$2,587,029	\$2,052,394	(\$376,982)	(\$58,486)	(\$75,617)	(\$74,413)	(\$74,618)	(\$73,549)	\$12,456,959
2	Poly-Phase	\$130,759	\$130,783	\$130,916	\$155,143	\$155,093	\$155,372	(\$53,869)	(\$54,197)	(\$54,215)	(\$54,128)	(\$54,085)	(\$54,197)	\$533,374
3	Total	\$2,405,888	\$2,170,616	\$1,883,559	\$2,638,738	\$2,742,122	\$2,207,766	(\$430,851)	(\$112,684)	(\$129,831)	(\$128,541)	(\$128,703)	(\$127,747)	\$12,990,333
B. Net Surcharge Revenue by Meter Type, Excl. GRT														
4	Single Phase	\$2,140,897	\$1,919,483	\$1,649,237	\$2,337,063	\$2,434,394	\$1,931,303	(\$354,740)	(\$55,036)	(\$71,155)	(\$70,023)	(\$70,215)	(\$69,210)	\$11,721,998
5	Poly-Phase	\$123,044	\$123,067	\$123,192	\$145,989	\$145,942	\$146,205	(\$50,690)	(\$51,000)	(\$51,016)	(\$50,934)	(\$50,894)	(\$51,000)	\$501,905
6	Total	\$2,263,941	\$2,042,550	\$1,772,429	\$2,483,052	\$2,580,336	\$2,077,508	(\$405,430)	(\$106,035)	(\$122,171)	(\$120,957)	(\$121,109)	(\$120,210)	\$12,223,903

Exhibit 1

Duquesne Light Company
Rider 20 - Smart Meter Charge
Annual Reconciliation - July 1, 2018 through June 30, 2019

Summary of Surcharge Related Expense

	<u>Jul-18</u>	<u>Aug-18</u>	<u>Sep-18</u>	<u>Oct-18</u>	<u>Nov-18</u>	<u>Dec-18</u>	<u>Jan-19</u>	<u>Feb-19</u>	<u>Mar-19</u>	<u>Apr-19</u>	<u>May-19</u>	<u>Jun-19</u>	<u>Total</u>
A. Expense - Single Phase Meters													
1 O&M Expense	\$593,250	\$500,659	\$341,384	\$1,039,314	\$614,733	\$506,612	\$0	\$0	\$0	\$0	\$0	\$0	\$3,595,952
2 Capitalized Component	\$1,830,294	\$1,830,352	\$1,830,378	\$1,884,081	\$1,884,135	\$1,701,776	\$0	\$0	\$0	\$0	\$0	\$0	\$10,961,017
3 Total	\$2,423,544	\$2,331,011	\$2,171,762	\$2,923,395	\$2,498,868	\$2,208,388	\$0	\$0	\$0	\$0	\$0	\$0	\$14,556,969
B. Expense - Poly Phase Meters													
4 O&M Expense	\$22,404	\$18,870	\$12,856	\$39,155	\$23,118	\$19,068	\$0	\$0	\$0	\$0	\$0	\$0	\$135,471
5 Capitalized Component	\$81,591	\$81,533	\$81,507	\$88,291	\$88,237	\$79,721	\$0	\$0	\$0	\$0	\$0	\$0	\$500,881
6 Total	\$103,995	\$100,404	\$94,363	\$127,446	\$111,355	\$98,789	\$0	\$0	\$0	\$0	\$0	\$0	\$636,352
C. Expense - Total													
7 O&M Expense	\$615,653	\$519,529	\$354,240	\$1,078,469	\$637,851	\$525,680	\$0	\$0	\$0	\$0	\$0	\$0	\$3,731,423
8 Capitalized Component	\$1,911,885	\$1,911,885	\$1,911,885	\$1,972,372	\$1,972,372	\$1,781,498	\$0	\$0	\$0	\$0	\$0	\$0	\$11,461,898
9 Total	\$2,527,539	\$2,431,415	\$2,266,126	\$3,050,842	\$2,610,223	\$2,307,177	\$0	\$0	\$0	\$0	\$0	\$0	\$15,193,321

Exhibit 1

Duquesne Light Company
Rider 20 - Smart Meter Charge
Annual Reconciliation - July 1, 2018 through June 30, 2019

Calculation of E-Factor Revenue

	<u>Jul-18</u>	<u>Aug-18</u>	<u>Sep-18</u>	<u>Oct-18</u>	<u>Nov-18</u>	<u>Dec-18</u>	<u>Jan-19</u>	<u>Feb-19</u>	<u>Mar-19</u>	<u>Apr-19</u>	<u>May-19</u>	<u>Jun-19</u>	<u>Total</u>
A. E-Factor Billing Units, Meter Count													
1 Single Phase Meters	572,312	573,529	574,620	575,145	575,998	576,544	577,325	577,995	578,493	577,283	576,366	576,654	
2 Poly Phase Meters	21,613	21,617	21,639	21,668	21,661	21,700	21,634	21,766	21,773	21,738	21,721	21,766	
3 Total Meters	593,925	595,146	596,259	596,813	597,659	598,244	598,959	599,761	600,266	599,021	598,087	598,420	
B. E-Factor Rate - Single													
E-Factor Rate - Single	(\$0.21)	(\$0.21)	(\$0.21)	(\$0.21)	(\$0.21)	(\$0.21)	(\$0.12)	(\$0.12)	(\$0.12)	(\$0.12)	(\$0.12)	(\$0.12)	(\$0.12)
E-Factor Rate - Poly													
E-Factor Rate - Poly	(\$0.36)	(\$0.36)	(\$0.36)	(\$0.36)	(\$0.36)	(\$0.36)	(\$2.35)	(\$2.35)	(\$2.35)	(\$2.35)	(\$2.35)	(\$2.35)	(\$2.35)
Excl. GRT (1)													
C. E-Factor Revenue, Excl. GRT													
5 Single Phase E-Factor Revenue	(\$120,186)	(\$120,441)	(\$120,670)	(\$120,780)	(\$120,960)	(\$121,074)	(\$69,279)	(\$69,359)	(\$69,419)	(\$69,274)	(\$69,164)	(\$69,198)	(\$1,139,805)
6 Poly Phase E-Factor Revenue	(\$7,781)	(\$7,782)	(\$7,790)	(\$7,800)	(\$7,798)	(\$7,812)	(\$50,840)	(\$51,150)	(\$51,167)	(\$51,084)	(\$51,044)	(\$51,150)	(\$353,199)
7 Total E-Factor Revenue	(\$127,966)	(\$128,223)	(\$128,460)	(\$128,581)	(\$128,758)	(\$128,886)	(\$120,119)	(\$120,510)	(\$120,586)	(\$120,358)	(\$120,208)	(\$120,349)	(\$1,493,004)
D. E-Factor Revenue, Incl. GRT													
8 Single Phase E-Factor Revenue	(\$127,721)	(\$127,993)	(\$128,236)	(\$128,353)	(\$128,544)	(\$128,666)	(\$73,623)	(\$73,708)	(\$73,772)	(\$73,617)	(\$73,500)	(\$73,537)	(\$1,211,270)
9 Poly Phase E-Factor Revenue	(\$8,269)	(\$8,270)	(\$8,278)	(\$8,290)	(\$8,287)	(\$8,302)	(\$54,028)	(\$54,357)	(\$54,375)	(\$54,287)	(\$54,245)	(\$54,357)	(\$375,344)
10 Total E-Factor Revenue	(\$135,990)	(\$136,263)	(\$136,515)	(\$136,643)	(\$136,831)	(\$136,967)	(\$127,650)	(\$128,065)	(\$128,146)	(\$127,905)	(\$127,745)	(\$127,894)	(\$1,586,614)

(1) E-Factor rate changes January 1 each year.

Exhibit 1

Duquesne Light Company
Rider 20 - Smart Meter Charge
Annual Reconciliation - July 1, 2018 through June 30, 2019

Calculation of Interest

	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Total
<u>Single Phase Meter</u>													
1 Net Smart Meter Charge Related Revenue Excl GRT	\$2,261,082	\$2,039,924	\$1,769,908	\$2,457,843	\$2,555,354	\$2,052,377	(\$285,461)	\$14,324	(\$1,736)	(\$749)	(\$1,051)	(\$11)	\$12,861,803
2 Expense	\$2,423,544	\$2,331,011	\$2,171,762	\$2,923,395	\$2,498,868	\$2,208,388	\$0	\$0	\$0	\$0	\$0	\$0	\$14,556,969
3 (Over)/Under Collection	\$162,461	\$291,087	\$401,855	\$465,552	(\$56,485)	\$156,011	\$285,461	(\$14,324)	\$1,736	\$749	\$1,051	\$11	\$1,695,166
4 Interest Rate	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	
5 Interest Weight	24/12	23/12	22/12	21/12	20/12	19/12	18 / 12	17 / 12	16 / 12	15 / 12	14 / 12	13 / 12	
6 Interest	\$19,495	\$33,475	\$44,204	\$48,883	(\$5,649)	\$14,821	\$25,691	(\$1,218)	\$139	\$56	\$74	\$1	\$179,973
7 Total (Over)/Under Collection	\$181,957	\$324,562	\$446,059	\$514,435	(\$62,134)	\$170,832	\$311,152	(\$15,541)	\$1,875	\$805	\$1,125	\$12	\$1,875,139
<u>Poly Phase Meter</u>													
8 Net Smart Meter Charge Related Revenue Excl GRT	\$130,825	\$130,849	\$130,982	\$153,790	\$153,740	\$154,017	\$149	\$150	\$150	\$150	\$150	\$150	\$855,104
9 Expense	\$103,995	\$100,404	\$94,363	\$127,446	\$111,355	\$98,789	\$0	\$0	\$0	\$0	\$0	\$0	\$636,352
10 (Over)/Under Collection	(\$26,830)	(\$30,445)	(\$36,619)	(\$26,344)	(\$42,385)	(\$55,228)	(\$149)	(\$150)	(\$150)	(\$150)	(\$150)	(\$150)	(\$218,752)
11 Interest Rate	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	
12 Interest Weight	24/12	23/12	22/12	21/12	20/12	19/12	18 / 12	17 / 12	16 / 12	15 / 12	14 / 12	13 / 12	
13 Interest	(\$3,220)	(\$3,501)	(\$4,028)	(\$2,766)	(\$4,239)	(\$5,247)	(\$13)	(\$13)	(\$12)	(\$11)	(\$11)	(\$10)	(\$23,070)
14 Total (Over)/Under Collection	(\$30,049)	(\$33,946)	(\$40,647)	(\$29,110)	(\$46,624)	(\$60,475)	(\$163)	(\$163)	(\$162)	(\$161)	(\$161)	(\$160)	(\$241,822)

(1) Interest calculated at the legal rate of interest at 6%. June 30, 2020 is the mid-point of the period January 1, 2020 to December 31, 2020 during which the under collection will be recovered.

CERTIFICATE OF SERVICE

I hereby certify that a true and correct copy of the foregoing has been served upon the following persons, in the manner indicated, in accordance with the requirements of 52 Pa. Code § 1.54 (relating to service by a participant).

FIRST CLASS MAIL

Bureau of Investigation and Enforcement
Pennsylvania Public Utility Commission
400 North Street, 2nd Floor West
P.O. Box 3265
Harrisburg, PA 17105-3265

Office of Consumer Advocate
555 Walnut Street
Forum Place, 5th Floor
Harrisburg, PA 17101

Pennsylvania Public Utility Commission
UPARC
Bureau of Audits
3070 William Pitt Way
Pittsburgh, PA 15238

Office of Small Business Advocate
Suite 202, Commerce Building
300 North Street
Harrisburg, PA 17101-1923



Michael Zimmerman, Esquire
Counsel, Regulatory
Duquesne Light Company
411 Seventh Avenue, 15-7
Pittsburgh, PA 15219
412-393-6268
mzimmerman@duqlight.com

Date: July 31, 2019