



Duquesne Light

Our Energy...Your Power

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M-2016-2522508

January 28, 2016

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CONTAINS CONFIDENTIAL INFORMATION

JAN 28 2016

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

PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

RE: Duquesne Light Company – Fourth Quarter of 2015 Electric Reliability Report

Dear Secretary Chiavetta:

Enclosed for filing, please find Duquesne Light Company's Fourth Quarter of 2015 Electric Reliability Report.

Duquesne Light is submitting both a confidential version and a non-confidential version. The confidential version includes all information required by 52 Pa. Code § 57.195, is marked "confidential and proprietary" and is enclosed in a sealed envelope. The non-confidential version contains all required information except that the information contained within subsection (e)(10) of the report has been redacted.

Duquesne Light Company respectfully requests the confidential version of Duquesne Light Company's Electric Reliability Report not be made available to the public.

Should you have any questions, please do not hesitate to contact me.

Respectfully,

Adrienne D. Kurtanich
Attorney, Regulatory

Enclosures

cc: Bureau of Technical Utility Services (Non-confidential Version)
Office of Consumer Advocate (Non-confidential Version)
Office of Small Business Advocate (Non-confidential Version)



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JAN 28 2016

PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

Duquesne Light Company
Fourth Quarter 2015
Electric Reliability Report
to the
Pennsylvania Public Utility Commission

January 28, 2016

DUQUESNE LIGHT COMPANY
Fourth Quarter 2015 – Electric Reliability Report

Filed February 1, 2016

57.195 Reporting Requirements

- (d)(2) The name, title, telephone number and e-mail address of the persons who have knowledge of the matters, and can respond to inquiries.**

Ken Kallis – Sr. Manager, Asset Management
(412) 393-8613, kkallis@duqlight.com

Jaime Bachota – Manager, Accounting & Financial Reporting
(412) 393-1122, jbachota@duqlight.com

- (e)(1) A description of each major event that occurred during the preceding quarter, including the time and duration of the event, the number of customers affected, the cause of the event and any modified procedures adopted in order to avoid or minimize the impact of similar events in the future.**

No major events occurred during the fourth quarter of 2015.

(e)(2) Rolling 12-month reliability index values (SAIFI, CAIDI, SAIDI, and if available, MAIFI) for the electric distribution company's service territory for the preceding quarter. The report shall include the data used in calculating the indices, namely the average number of customers served, the number of sustained customer interruptions, the number of customers affected, and the customer minutes of interruption. If MAIFI values are provided, the report shall also include the number of customer momentary interruptions.

RELIABILITY BENCHMARKS AND STANDARDS

Duquesne Light Company

System Performance Measures with Major Events Excluded

Entire System				
	SAIDI	SAIFI	CAIDI	MAIFI
Benchmark	126	1.17	108	*
12 Month Standard	182	1.40	130	*
2015 4Q (Rolling 12 mo)	71	0.75	95	*

* Sufficient information to calculate MAIFI is unavailable.

Formulas used in calculating the indices

SAIFI = $\frac{(\text{Total KVA interrupted}) - (\text{KVA impact of major events})}{\text{System Connected KVA}}$

SAIDI = $\frac{(\text{Total KVA-minutes interrupted}) - (\text{KVA-minute impact of major events})}{\text{System Connected KVA}}$

CAIDI = SAIDI/SAIFI

Data used in calculating the indices

Total KVA Interrupted for the Period: 5,417,502 KVA

Total KVA-Minutes Interrupted: 513,565,543 KVA-Minutes

System Connected Load as of 12/31/15: 7,203,346 KVA

- (e)(3) Rolling 12-month reliability index values (SAIFI, CAIDI, SAIDI, and if available, MAIFI) and other pertinent information such as customers served, number of interruptions, customer minutes interrupted, number of lockouts, and so forth, for the worst performing 5% of the circuits in the system. An explanation of how the electric distribution company defines its worst performing circuits shall be included.**

Circuits are evaluated based on a rolling twelve-month count of lockouts of protective devices (circuit breakers, sectionalizers and line reclosers). Circuits that experience four or more lockouts for a device in each quarterly rolling twelve-month period are identified and reported.

The list is ranked first by the number of lockouts, with a secondary sort based on the date of the most recent outage. This places a higher priority on circuits in each group experiencing problems more recently. Circuits that have not seen recent outages fall to a lower priority within the group, but remain on the list for monitoring.

Circuits that appear on the list for more than a year are targeted for remediation based on a review of outage records for root cause problems, field evaluations, and engineering analysis. Project scopes developed as a result of this analysis will be incorporated into the Company's Work Plan for engineering, design and construction.

At the end of each quarter all circuits are reviewed to verify that past remediation efforts are working and to look for new reliability issues that may be developing. Serious new reliability problems are addressed immediately without waiting additional periods to collect information.

This analysis method provides for timely review of circuit performance by in-house staff and it adapts to the dynamic nature of Duquesne's distribution system. The threshold of four lockouts may produce a result greater or less than 5% of the total circuits in Duquesne's system. Reports will be issued on all circuits that violate the four-lockout threshold, even if the total is greater than 5% of the number of circuits on the system. If there are less than 5% of the circuits that violate the four-lockout threshold, then circuits with three lockouts that had the highest KVA-Minutes of outage time during the evaluation period will be added to get the list to 5% of the total circuits in the system.

Because of sophisticated protection and remote automation technologies that the Company uses on its distribution circuits, not all customers on a poorly performing circuit actually experience poor reliability. Circuit problems are generally isolated to one load block of a circuit in less than five minutes with downstream customers only experiencing short momentary operations. Customers upstream of a circuit problem may not even experience a momentary outage. Therefore, many customers on a circuit identified as a poor performer have actually had good reliability.

See Attachment A for table of circuit reliability values and Service Centers associated with each circuit.

(e)(4) Specific remedial efforts taken and planned for the worst performing 5% of the circuits as identified in paragraph (3).

Fourth Quarter 2015 Rolling 12 Month Circuit Data

Rank	Circuit	Name	Device	Remedial Actions Planned or Taken
1	4478	Hiawatha	BREAKER	<p>Six total outages: Fourth Quarter 2015 Outages:</p> <ul style="list-style-type: none"> • No new outages. <p>Previous Outages:</p> <ul style="list-style-type: none"> • Five outages were due to a loss of supply; a cable failure, a tree fall-in, emergency safety steps, an unplanned operational outage and an unknown outage. • 4478 - One was due to cable failure. <p>Remedial Actions:</p> <ul style="list-style-type: none"> • The Company has installed an IntelliRupter on the overhead conductor side of the sub-transmission circuit feeding Hiawatha Substation to provide Auto Fault-Clearing functionality. This will lessen the impact of tree problems in this heavily wooded section of the circuit by automatically clearing tree faults and rerouting power to customers from the other side of the SS. The installation of the new IntelliRupter was completed at the end of the third quarter of 2015. • The company will continue to monitor this circuit for reliability issues.

Rank	Circuit	Name	Device	Remedial Actions Planned or Taken
2	23871	Mt Nebo	WR853	<p>Five total outages:</p> <p>Fourth Quarter 2015 Outages:</p> <ul style="list-style-type: none"> • No new outages. <p>Previous Outages:</p> <ul style="list-style-type: none"> • One outage due to storm. • Three outages were due to tree fall-ins. • One outage was due to a cable termination failure. <p>Remedial Actions:</p> <ul style="list-style-type: none"> • Permanent repairs were made to the failed cable termination. • Vegetation Management completed hazard tree mitigation in the second quarter of 2014. Due to Emerald Ash Borer, the circuit continues to have ash mortality which may impact reliability. Vegetation Management investigated the portion of line beyond the device for vegetation-related reliability issues and addressed conditions of immediate need by the end of the fourth quarter of 2015.

Rank	Circuit	Name	Device	Remedial Actions Planned or Taken
3	23752	Dravosburg	BREAKER	<p>Four total outages:</p> <p>Fourth Quarter 2015 Outages:</p> <ul style="list-style-type: none"> • One outage was due to transformer failure. <p>Previous Outages:</p> <ul style="list-style-type: none"> • One outage was due to connector failure. • One outage was due to a motor vehicle accident. • One outage due to storm. <p>Remedial Actions:</p> <ul style="list-style-type: none"> • Permanent repairs were made following each outage. • The Company will continue to monitor this circuit for reliability issues.
4	23710	Pine Creek	R140 & WA913	<p>Four total outages on each device:</p> <p>Fourth Quarter 2015 Outages:</p> <ul style="list-style-type: none"> • R140 - One outage was due to tree fall-in. • R140 - Three outages were due to storms. <p>Previous Outages:</p> <ul style="list-style-type: none"> • WA913 – One outage was due to storm. • WA913 – Three outages were due to tree fall-ins. <p>Remedial Actions:</p> <ul style="list-style-type: none"> • Trees were mitigated during outage restoration. • The Company will continue to monitor this circuit for reliability issues.

Rank	Circuit	Name	Device	Remedial Actions Planned or Taken
5	23921	Logans Ferry	ER625	<p>Four total outages:</p> <p>Fourth Quarter 2015 Outages:</p> <ul style="list-style-type: none"> • One outage was due to tree fall-in. • One outage was due to storm. <p>Previous Outages:</p> <ul style="list-style-type: none"> • One outage was due to tree fall-in. • One outage was due to storm. <p>Remedial Actions:</p> <ul style="list-style-type: none"> • Circuit beyond ER625 is included in 2016 Vegetation Management scheduled maintenance program and is proposed to be completed by end of fourth quarter 2016.
6	23679	Woodville	R100	<p>Four total outages:</p> <p>Fourth Quarter 2015 Outages:</p> <ul style="list-style-type: none"> • One outage was due to an unknown cause. <p>Previous Outages:</p> <ul style="list-style-type: none"> • Two outages were due to tree fall-ins. • One outage occurred when conductors wrapped together. <p>Remedial Actions:</p> <ul style="list-style-type: none"> • Permanent repairs were made following each outage. • Circuit is included in 2015-2016 Vegetation Management scheduled maintenance program and will be completed by end of second quarter of 2016.

Rank	Circuit	Name	Device	Remedial Actions Planned or Taken
7	4432	Lawrence	BREAKER	<p>Four total outages:</p> <p>Fourth Quarter 2015 Outages:</p> <ul style="list-style-type: none"> • One outage was due to a vehicle accident. <p>Previous Outages:</p> <ul style="list-style-type: none"> • One outage was due to a vehicle accident. • One outage was caused by cable failure. • One outage was due to contact with balloons. <p>Remedial Actions:</p> <ul style="list-style-type: none"> • Permanent repairs were made following each outage.
8	23640	Midland	R100	<p>Four total outages:</p> <p>Fourth Quarter 2015 Outages:</p> <ul style="list-style-type: none"> • No new outages. <p>Previous Outages:</p> <ul style="list-style-type: none"> • One outage was due to storm • Three outages were due to tree fall-ins. <p>Remedial Actions:</p> <ul style="list-style-type: none"> • Vegetation Management investigated the portion of line beyond the device for vegetation-related reliability issues and addressed conditions of immediate need by the end of the fourth quarter of 2015.

Rank	Circuit	Name	Device	Remedial Actions Planned or Taken
9	4548-4549	Connor	BREAKER	<p>Four total outages on each breaker: Fourth Quarter 2015 Outages:</p> <ul style="list-style-type: none"> • No new outages. <p>Previous Outages:</p> <ul style="list-style-type: none"> • Two loss of supply outages were due to cable failures. • One loss of supply outage was due to a pothead failure. • 4548 – one outage due to storm. • 4549 – one outage due to substation equipment problem. <p>Remedial Actions:</p> <ul style="list-style-type: none"> • The Company recently installed an IntelliRupter in fourth quarter of 2015 on the Woodville/South Hills side of the sub-transmission circuit feeding Connor substation to provide Auto Fault-Clearing functionality. <i>This should reduce Loss of Supply outages.</i> • The Company will continue to monitor this circuit for reliability issues.
10	4062	Schenley	BREAKER	<p>Three total outages: Fourth Quarter 2015 Outages:</p> <ul style="list-style-type: none"> • Two outages were due to cable failures. • One outage was due an unknown cause. <p>Previous Outages:</p> <ul style="list-style-type: none"> • No previous outages. <p>Remedial Actions:</p> <ul style="list-style-type: none"> • Permanent repairs were made following the cable failures.

Rank	Circuit	Name	Device	Remedial Actions Planned or Taken
11	23870	Mt Nebo	BREAKER	<p>Three total outages:</p> <p>Fourth Quarter 2015 Outages:</p> <ul style="list-style-type: none"> • One outage was due to lighting arrester failure. <p>Previous Outages:</p> <ul style="list-style-type: none"> • One outage was caused by animal contact. • One outage was caused by a connector failure. <p>Remedial Actions:</p> <ul style="list-style-type: none"> • Permanent repairs were made following each outage. • The Company's Asset Management Department recently converted this circuit to pulse-reclosing operation which should improve its protection and reduce future circuit damage during faults making restoration faster.
12	4323-4324	Wightman	BREAKER	<p>Three total outages:</p> <p>Fourth Quarter 2015 Outages:</p> <ul style="list-style-type: none"> • One loss of supply outage was caused by cable failure. <p>Previous Outages:</p> <ul style="list-style-type: none"> • One loss of supply outage was caused by animal contact. • One loss of supply outage was caused by a cable failure. <p>Remedial Actions:</p> <ul style="list-style-type: none"> • Permanent repairs were made following each outage. • The Company will continue to monitor this circuit for reliability issues.

Rank	Circuit	Name	Device	Remedial Actions Planned or Taken
13	23712	Pine Creek	WA610	<p>Three total outages:</p> <p>Fourth Quarter 2015 Outages:</p> <ul style="list-style-type: none"> • One outage was due to tree fall-in. <p>Previous Outages:</p> <ul style="list-style-type: none"> • One outage was due to tree grow-in. • One outage was due to a storm. <p>Remedial Actions:</p> <ul style="list-style-type: none"> • Trees were mitigated during outage restoration. • The Company will continue to monitor this circuit for reliability issues.
14	23631	Sewickley	R100	<p>Three total outages:</p> <p>Fourth Quarter 2015 Outages:</p> <ul style="list-style-type: none"> • One outage was due to storm. <p>Previous Outages:</p> <ul style="list-style-type: none"> • Two outages were due to tree fall-ins. <p>Remedial Actions:</p> <ul style="list-style-type: none"> • Trees were mitigated during outage restoration. • The Company will continue to monitor this circuit for reliability issues.

Rank	Circuit	Name	Device	Remedial Actions Planned or Taken
15	23867	Wildwood	R100	<p>Three total outages:</p> <p>Fourth Quarter 2015 Outages:</p> <ul style="list-style-type: none"> • Two outages were due to storm. <p>Previous Outages:</p> <ul style="list-style-type: none"> • One outage was due to tree fall-in. <p>Remedial Actions:</p> <ul style="list-style-type: none"> • Circuit beyond R100 is included in 2016 Vegetation Management scheduled maintenance program and is proposed to be completed by end of fourth quarter 2016.
16	23730	Universal	BREAKER	<p>Three total outages:</p> <p>Fourth Quarter 2015 Outages:</p> <ul style="list-style-type: none"> • One outage was due to a storm. <p>Previous Outages:</p> <ul style="list-style-type: none"> • One outage was due to a storm. • One outage was due to substation equipment failure. <p>Remedial Actions:</p> <ul style="list-style-type: none"> • Permanent repairs were made for these failures. The Company will continue to monitor this circuit for reliability issues.

Rank	Circuit	Name	Device	Remedial Actions Planned or Taken
17	23882	Rankin	R140	<p>Three total outages: Fourth Quarter 2015 Outages:</p> <ul style="list-style-type: none"> • No new outages. <p>Previous Outages:</p> <ul style="list-style-type: none"> • One outage was due to a vehicle accident. • One outage was due to storm. • One outage was due to tree fall-in. <p>Remedial Actions:</p> <ul style="list-style-type: none"> • The Company's Asset Management Department converted this circuit to all pulse-reclosing operation in fourth quarter of 2015 which should improve fault protection and reduce circuit damage in the future during faults. • The Company will continue to monitor this circuit for reliability issues.
18	23711	Pine Creek	BREAKER	<p>Three total outages: Fourth Quarter 2015 Outages:</p> <ul style="list-style-type: none"> • No new outages. <p>Previous Outages:</p> <ul style="list-style-type: none"> • Three outages were due to a storm. <p>Remedial Actions:</p> <ul style="list-style-type: none"> • Circuit was included in 2015 Vegetation Management scheduled maintenance program and work was completed by the end of the fourth quarter of 2015.

Rank	Circuit	Name	Device	Remedial Actions Planned or Taken
19	23745	Oakland	EA200	<p>Three total outages:</p> <p>Fourth Quarter 2015 Outages:</p> <ul style="list-style-type: none"> • No new outages. <p>Previous Outages:</p> <ul style="list-style-type: none"> • One outage was due to an unplanned operational outage. • One outage was due to a storm. • One outage was due to an unknown cause. <p>Remedial Actions:</p> <ul style="list-style-type: none"> • The Company's Asset Management Department is planning to replace a Scadamate sectionalizer with an IntelliRupter recloser and convert this circuit to all pulse-reclosing operation which will improve its protection and reduce future circuit damage during faults making restoration simpler and faster.
20	4676	Brierly	BREAKER	<p>Three total outages:</p> <p>Fourth Quarter 2015 Outages:</p> <ul style="list-style-type: none"> • No new outages. <p>Previous Outages:</p> <ul style="list-style-type: none"> • One loss of supply outage was due to a cable failure. • One loss of supply outage was due to a vehicle accident. • One loss of supply outage was due to a storm. <p>Remedial Actions:</p> <ul style="list-style-type: none"> • The Company's Asset Management Department is investigating the feasibility of adding Auto Fault-Clearing to the sub-transmission circuit feeding Brierly Substation to reduce Loss of Supply outages.

Rank	Circuit	Name	Device	Remedial Actions Planned or Taken
21	23770	Traverse Run	WR505	<p>Three total outages:</p> <p>Fourth Quarter 2015 Outages:</p> <ul style="list-style-type: none"> • No new outages. <p>Previous Outages:</p> <ul style="list-style-type: none"> • Two outages were due to insulator failure. • One outage was due to a transformer failure and an insulator failure. <p>Remedial Actions:</p> <ul style="list-style-type: none"> • Permanent repairs were made following each outage. • The Company will continue to monitor this circuit for reliability issues.

(e)(5) A rolling 12-month breakdown and analysis of outage causes during the preceding quarter, including the number and percentage of service outages, the number of customers interrupted, and customer interruption minutes categorized by outage cause such as equipment failure, animal contact, tree related, and so forth. Proposed solutions to identified service problems shall be reported.

Proposed solutions to identified service problems are listed in Section (e)(4) above.

January 1, 2015 through December 31, 2015 – No PUC Major Event Exclusions

CAUSE	NO. OF OUTAGES	OUTAGE PERCENTAGE	KVA TOTAL	KVA PERCENTAGE	KVA-MINUTE TOTAL	KVA-MINUTE PERCENTAGE
Storms	292	11%	639,070	12%	82,170,007	16%
Trees (Contact)	59	2%	97,716	2%	8,129,718	2%
Trees (Falling)	699	25%	1,200,006	22%	162,348,224	32%
Equipment Failures	839	30%	1,817,101	34%	159,304,030	31%
Overloads	141	5%	242,213	4%	12,768,158	2%
Vehicles	140	5%	356,668	6%	33,038,798	6%
Other	614	22%	1,064,728	20%	55,806,608	11%
TOTALS	2,784	100%	5,417,502	100%	513,565,543	100%

(e)(6) Quarterly and year-to-date information on progress toward meeting transmission and distribution inspection and maintenance goals/ objectives.

2015 Transmission and Distribution Goals and Objectives

Program Project	Unit of Measurement	Target for 2015 4Q	Actual for 2015 4Q	Percent Complete	Targets for Year 2015	Actual YTD for 2015
Communications Goals						
Communication Battery Maintenance	Batteries	24	24	100%	96	96
Overhead Distribution Goals						
Recloser Inspections	Circuits	31	6	19%	130	130
Pole Inspections	Poles	4,475	4,291	96%	17,945	18,150
OH Line Inspections	Circuits	31	6	19%	130	130
OH Transformer Inspections	Circuits	31	6	19%	130	130
Padmount & Below Grade Inspections	Circuits	18	25	139%	81	81
Overhead Transmission Goals						
Helicopter Inspections	Number of Structures	0	0	N/A	500	500
Ground Inspections	Number of Structures	0	0	N/A	350	358
Substations Goals						
Circuit Breaker Maintenance	Breakers	190	165	87%	725	806
Station Transformer Maintenance	Transformers	12	27	225%	67	97
Station Battery Maintenance	Batteries	242	243	100%	968	970
Station Relay Maintenance	Relays	180	412	229%	615	876
Station Inspections	Sites	516	510	99%	2,067	2,056
Underground Distribution Goals						
Manhole Inspections	Manholes	0	296	N/A	700	811
Major Network Insp (Protection Relay)	Ntwk Protectors	16	40	250%	92	92
Minor Network Visual Inspection (Transformer/Protector/Vault)	Ntwk Transformers	78	58	74%	573	573
Underground Transmission Goals						
Pressurization and Cathodic Protection Plant Inspection	Work Packages	13	21	162%	52	59
Vegetation Management Goals						
Overhead Line Clearance	Circuit Overhead Miles	335	277	83%	1,300	1,307

(e)(7) Quarterly and year-to-date information on budgeted versus actual transmission and distribution operation and maintenance expenditures in total and detailed by the EDC's own functional account code or FERC account code as available.

**For the Three Months Ended December 31, 2015 (Quarter-to-date)
Favorable/ (Unfavorable)****

	Customer Care	External Affairs	Human Resources	Operations/ Operations Services	Technology	General Corporate*	Total
Total Actual	14,608,710	739,142	4,602,837	17,465,292	11,647,162	14,416,751	63,479,894
Total Budget	11,542,016	1,050,985	3,689,218	18,461,450	11,349,292	11,746,595	57,839,558
Variance	(3,066,694)	311,842	(913,618)	996,159	(297,870)	(2,670,155)	(5,640,336)

*Includes Finance, Office of General Counsel and Senior Management Costs

** Information represents preliminary quarter to date and year to date information. Balances are considered preliminary subject to management review and until an audit opinion is received from the Company's external auditors.

**For the Year Ended December 31, 2015
Favorable/ (Unfavorable)****

	Customer Care	External Affairs	Human Resources	Operations/ Operations Services	Technology	General Corporate*	Total
Total Actual	57,886,886	3,193,375	15,191,835	67,481,571	52,750,346	51,027,356	247,531,369
Total Budget	52,303,068	4,037,727	15,050,967	71,346,019	45,163,844	46,056,995	233,958,621
Variance	(5,583,818)	844,353	(140,868)	3,864,447	(7,586,502)	(4,970,361)	(13,572,748)

*Includes Finance, Office of General Counsel and Senior Management Costs

** Information represents preliminary quarter to date and year to date information. Balances are considered preliminary subject to management review and until an audit opinion is received from the Company's external auditors.

(e)(8) Quarterly and year-to-date information on budgeted versus actual transmission and distribution capital expenditures in total and detailed by the EDC's own functional account code or FERC account code as available.

**For the Three Months Ended December 31, 2015 (Quarter-to-date)
Favorable/ (Unfavorable)****

	Customer Care	External Affairs	Human Resources	Operations/ Operations Services	Technology	General Corporate*	Total
Total Actual	770,650	(618)	3,222,056	37,467,213	26,684,081	13,017,605	81,160,987
Total Budget	743,148	-	3,743,640	39,081,906	17,205,054	6,966,453	67,740,201
Variance	(27,502)	618	521,584	1,614,693	(9,479,027)	(6,051,152)	(13,420,786)

*Includes Finance, Office of General Counsel and Senior Management Costs

** Information represents preliminary quarter to date and year to date information. Balances are considered preliminary subject to management review and until an audit opinion is received from the Company's external auditors.

**For the Year Ended December 31, 2015 (Year-to-date)
Favorable/ (Unfavorable)****

	Customer Care	External Affairs	Human Resources	Operations/ Operations Services	Technology	General Corporate*	Total
Total Actual	3,003,486	3,768	10,567,996	125,979,838	88,014,645	37,127,252	264,696,985
Total Budget	3,540,919	-	12,994,568	170,686,481	68,812,160	30,309,834	286,343,962
Variance	537,433	(3,768)	2,426,572	44,706,643	(19,202,485)	(6,817,418)	21,646,977

*Includes Finance, Office of General Counsel and Senior Management Costs

** Information represents preliminary quarter to date and year to date information. Balances are considered preliminary subject to management review and until an audit opinion is received from the Company's external auditors.

(e)(9) Dedicated staffing levels for transmission and distribution operation and maintenance at the end of the quarter, in total and by specific category (e.g. linemen, technician, and electrician).

Telecom	Electronic Technician	6
	Sr. Electronic Tech	12
	Apprentice Splicer/Trouble Tech	2
	Telecom Splicer/Trouble	3
	Total	23
Substation	Electrical Equipment Tech	13
	Protection & Control Tech	25
	Sr. Elec. Equipment Tech	9
	Rigger Specialist	2
	Rigger Crew Leader	2
	Shop Mechanic 2 Rigger	0
	Yard Group Leader	3
	Total	54
Underground	Apprentice UG Splicer	12
	UG Inspector	9
	Journey UG Splicer	18
	Sr. UG Splicer	6
	UG Cable Tester/Installer	1
	Sr. UG Mechanic	0
	Network Operator	11
	Total	57
Overhead	Apprentice T&D	63
	Equipment Attendant	1
	Equipment Material Handler	6
	Field Inspector	0
	Journey Lineworker	85
	Restricted HS Lineworker	1
	Service Crew Leader	5
	Sr. Lineworker	51
	Distribution Tech	7
	Total	219
Street Light Changers	Total	6
Mobile Worker	Total	3

(e)(9) (Continued)

Engineering	Drafter	0
	General Clerk - Grad	7
	General Technician	0
	GIS Technician	6
	Head File Record Clerk	1
	Permit Clerk	1
	Survey Instrument	3
	Right of Way Agent A	4
	Sr. Technician	10
	T&D Mobile Worker	7
	Technician A	3
	Technician B	4
	Technician C	6
	Design Tech	2
	Test Technician, Mobile	6
	Total	60
Service Center Technician	Sr. Technician	7
	Technician	2
	Total	9
Traveling Operator/Troubleshooter	Senior Operator	24
	Traveling Operator	3
	Troubleshooter I/C	9
	Troubleshooter	11
	Total	47
Load Dispatcher	Total	12
Meter Technician	Meter Technician	8
	Sr. Meter Technician	20
	Total	28
Meter Reader	Total	13
Customer Service Representatives	Autodialing Operator	3
	Autodialing Operator PT	11
	Customer Service Rep	93
	Customer Service Rep PT	25
	Word Processing Clerk	1
	Sr. Customer Service	5
	Total	138
Admin/Supervisory/Mgmt	Total	422
	TOTAL	1,091

(e)(10) Quarterly and year-to-date information on contractor hours and dollars for transmission and distribution operation and maintenance.

(Confidential information highlighted and redacted)

Fourth Quarter 2015

Contractor Dollars: \$redacted
Contractor Hours: redacted

YTD 2015

Contractor Dollars: \$redacted
Contractor Hours: redacted

(e)(11) Monthly call-out acceptance rate for transmission and distribution maintenance workers presented in terms of both the percentage of accepted call-outs and the amount of time it takes the EDC to obtain the necessary personnel. A brief description of the EDC's call-out procedure should be included when appropriate.

Call-Out Acceptance Rate – 4th Quarter 2015

Month	Accepts	Refusals	Total	Percentage
October	222	293	515	43%
November	153	177	330	46%
December	163	188	351	46%

Amount of Time it Takes to Obtain the Necessary Personnel – 4th Quarter 2015

Month	Total Callout Events	Necessary Personnel Accepting	Average Minutes:Seconds per Callout Event	Average Minutes:Seconds per Individual called
October	81	222	4:07	1:16
November	46	150	3:50	1:18
December	66	163	4:49	1:20
4th Qtr 2015	193	535	4:15	1:18
2015	991	2,979	4:36	1:18

ATTACHMENT A

(e)(3) Rolling 12-month reliability index values (SAIFI, CAIDI, SAIDI, and if available, MAIFI) and other pertinent information such as customers served, number of interruptions, customer minutes interrupted, number of lockouts, and so forth, for the worst performing 5% of the circuits in the system.

Circuit	Name	Service Center	Device	Lockouts	Connected KVA	Last Outage	Total KVA-Minutes	Total KVA Interrupted	SAIDI	SAIFI	CAIDI
4478	Hiawatha	Preble	BREAKER	6	5684	09/29/15	3,834,375	5,684	675	1.00	675
23871	Mt Nebo	Raccoon	WR853	5	17687	9/29/15	7,224,692	81,618	408	4.61	89
23752	Dravosburg	McKeesport	BREAKER	4	18969	11/29/15	6,413,982	89,751	338	4.73	71
23710	Pine Creek	Edison	R140 & WA913	4&4	32810	11/12/15	4,202,520	31,822	128	0.97	132
23921	Logans Ferry	Penn Hills	ER625	4	30062	11/12/15	11,680,745	100,584	389	3.35	116
23679	Woodville	Preble	R100	4	16057	11/07/15	6,017,058	24,253	375	1.51	248
4432	Lawrence	Penn Hills	BREAKER	4	2750	10/23/15	546,875	11,000	199	4.00	50
23640	Midland	Raccoon	R100	4	27835	09/20/15	4,169,956	81,326	150	2.92	51
4548-4549	Connor	Preble	BREAKER	4&4	5240	09/16/15	489,736	5,327	93	1.02	92
4062	Schenley	Preble	BREAKER	3	2176	12/31/15	1,027,072	6,528	472	3.00	157
23870	Mt Nebo	Raccoon	BREAKER	3	26795	12/12/15	9,545,117	120,894	356	4.51	79
4323-4324	Wightman	Penn Hills	BREAKER	3	2790	11/30/15	63,375	6,156	23	2.21	10
23712	Pine Creek	Edison	WA610	3	18039	11/18/15	3,630,412	28,642	201	1.59	127
23631	Sewickley	Raccoon	R600	3	31956	11/12/15	5,023,612	50,473	157	1.58	100
23867	Wildwood	Edison	R100	3	27955	11/12/15	798,054	4,676	29	0.17	171
23730	Universal	Penn Hills	BREAKER	3	18423	10/29/15	4,439,220	40,313	241	2.19	110
23882	Rankin	Penn Hills	R140	3	16932	09/17/15	5,604,460	33,551	331	1.98	167
23711	Pine Creek	Edison	BREAKER	3	34935	08/03/15	4,284,181	41,964	123	1.20	102
23745	Oakland	Penn Hills	EA200	3	28489	07/15/15	5,199,432	50,550	183	1.77	103
4676	Brierly	McKeesport	BREAKER	3	3667	07/14/15	509,713	11,001	139	3.00	46
23770	Traverse Run	Raccoon	WR505	3	19469	04/20/15	3,497,261	23,145	180	1.19	151

CERTIFICATE OF SERVICE

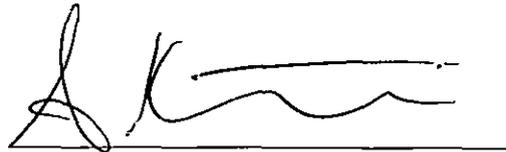
I hereby certify that true and correct copies of the foregoing have been served upon the following persons, in the manner indicated, in accordance with the requirements of § 1.54 (relating to service by a participant).

VIA FIRST CLASS MAIL

Bureau of Technical Utility Services
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
3rd Floor
400 North Street
Harrisburg , PA 17120

Office of Consumer Advocate
555 Walnut Street
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Office of Small Business Advocate
Commerce Tower, Suite 202
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Dated: January 28, 2016

RECEIVED

JAN 28 2016

**PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU**

