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January 30, 2012

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JAN 30 2012

PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

VIA OVERNIGHT MAIL DELIVERY

Ms. Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street
Harrisburg, Pennsylvania 17120-0200

**Re: Duquesne Light Company
2011 Fourth Quarter Reliability Report**

Dear Secretary Chiavetta:

Enclosed for filing is the Fourth Quarter Reliability Report of Duquesne Light Company in accordance with the Commission's Order at L-00030161 entered March 20, 2006. Duquesne is submitting both a public version [all information except subsection (e)(10)] and a confidential version. The confidential version includes all of the information required by 52 Pa. Code §57.195, is marked "confidential and proprietary" and is enclosed in a sealed envelope.

Duquesne respectfully requests the "confidential and proprietary" version not be made available to the public.

If you have any questions regarding the information provided, please contact me.

Sincerely,

Vern Edwards

Enclosures

c: (Public Version):

Mr. W. Williams – Bureau of CEEP
Mr. D. Gill – Bureau of CEEP
Bureau of CEEP
Mr. I. A. Popowsky – Office of Consumer Advocate
Office of Small Business Advocate

DUQUESNE LIGHT COMPANY
2011 Fourth Quarter Reliability Report

Filed January 30, 2012

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 - Manager, Asset Management
(412) 393-8613, kkallis@duqlight.com

Gary Jack - Manager, Governmental Affairs
(412) 393-1541, gjack@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 2011.

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- (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	*
2011 4Q (Rolling 12 mo)	99	0.93	107	*

* Sufficient information to calculate MAIFI is unavailable.

Formulas used in calculating the indices

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

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

$$\text{CAIDI} = \text{SAIDI/SAIFI}$$

Data used in calculating the indices

Total KVA Interrupted for the Period 6,552,567 KVA

Total KVA-Minutes Interrupted: 700,283,041 KVA-Minutes

System Connected Load as of 12/31/11: 7,075,537 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. Customer surveys show a significant drop in satisfaction when customers experience four or more interruptions in a year, and that threshold was therefore used as a basis for this evaluation method.

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

Circuits that appear on the list for more than a year will be targeted for remediation based on a review of outage records for root cause identification, 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.

This circuit analysis method provides timely review by in-house staff. It provides a true representation of 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 the 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.

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 Rolling 12 Months

Rank	Circuit	Name	Service Center	Remedial Actions Planned or Taken
1	23697	Brunot Island	Preble	Outages due to three different cable faults and a cable splice failure along a section of Carson Street. Underground Department to inspect condition of Underground cable in vicinity of Carson Street failures.
2	23816	Bellevue	Edison	Two outages caused by falling trees, one caused by an insulator failure and the fourth due to vehicle hitting pole and breaking a crossarm. VM addressed tree related problems during repairs.
3	23870	Mt. Nebo	Raccoon	One outage due to tree contact, one caused by a capacitor failure, one caused by a transformer failure and the fourth was due to general storm damage. Visual IR inspections were completed in May 2011 and identified repairs completed in June 2011.
4	23871	Mt. Nebo	Raccoon	VM issues fielded and addressed at time of failures. Entire circuit scheduled for VM maintenance in 2012. Also, Engineering has designed a job to install a new Sectionalizer on Mt. Nebo Road in Ohio Township, scheduled completion date end of the 2nd Quarter 2012.
5	23670	Montour	Raccoon	This circuit has been completely worked as part of 2011 VM scheduled maintenance effort. Circuit was infrared in 2nd Quarter. Items found during infrared testing will be corrected by the end of the 1st Quarter 2012.
6	23869	Wildwood	Edison	Outages due to falling trees and insulator failure. VM problems reviewed and addressed during failure repairs.
7	23890	Carrick	McKeesport	Outages due to equipment failures, one deteriorated pole and one jumper failure, as well as falling trees near Becks Run Road, VM completed inspection of the Becks Run Road area, as well as completed scheduled maintenance of the entire circuit during 2011. Engineering completed infrared inspections on this circuit during 4th Quarter 2011. Construction to repair noted problems in 1st Quarter 2012.
8	23650	Neville	Preble	Last outage August 2011. Prior outages due to falling trees on or near Pine Hollow and McCoy Roads which VM corrected during the 3 rd Quarter. Asset Management has issued recommendation to install an additional IntelliRupter beyond EA261 to reduce customer exposure during future problems. Construction of the new device scheduled to be completed during 1st Quarter 2012.
9	23783	Valley	Raccoon	Last outage August 2011. Outages due to general storm damage and equipment failures. Duquesne Light will continue to closely monitor for potential VM issues and adjust VM maintenance schedule if necessary. Asset Management has issued scope/request to balance loads beyond the 4kV reclosers. Also, infrared inspections have been performed on this circuit. All recommended work on this circuit will be completed by the end of 1st Quarter 2012. Also, an Asset Management project to extend Midland Circuit D23640, that has been recently approved, will reduce load on D23783 and improve reliability.
10	23935	Eastwood	Penn Hills	Last outages occurred during storms in July 2011. Circuit was reviewed by Asset Management for overloads on sectionalizer EA657 and reclosers on Pole 209725, Map G7-3. Crews replaced three reclosers on Pole 209725 and balanced the loads beyond. No new outages occurred after this.
11	23635	Ambridge	Raccoon	All prior outages due to general storm damage. Last outage July 2011. Also, this circuit is scheduled to be relieved of load when the Edgeworth Project is completed, which will improve the reliability of this circuit. VM worked with PennDot in 2011 on daylighting this road which was completed in 3rd Quarter.
12	23862	Wilson	McKeesport	No outages since July 2011. Majority of prior outages due to equipment failures and overloads. Infrared inspection of the circuit was completed before the end of 2011. Identified repairs will be complete by end of 1st Quarter 2012. Asset Management to review circuit for overloads by end of 1st Quarter 2012.
13	4067	Schenley	Penn Hills	Outages due to cable failures. Circuit was reviewed for cable issues in 1st and 2nd Quarters of 2011. The review revealed one bad splice and one leaking cable. Both were repaired at the end of May 2011. One outage since 2nd Quarter inspection/repair was due to a storm with no known cause. No new outages since July 2011.

- (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.

January 1, 2011 through December 31, 2011 – No PUC Major Event Exclusions

CAUSE	NO. OF OUTAGES	OUTAGE PERCENTAGE	KVA TOTAL	KVA PERCENTAGE	KVA-MINUTE TOTAL	KVA-MINUTE PERCENTAGE
Storms	645	19%	1,237,735	19%	195,219,098	28%
Trees (Contact)	67	2%	62,094	1%	6,152,058	1%
Trees (Falling)	662	20%	1,163,482	18%	163,592,529	23%
Equipment Failures	987	29%	2,474,693	38%	216,408,636	31%
Overloads	364	11%	339,370	5%	26,985,916	4%
Vehicles	146	4%	396,516	6%	52,256,184	7%
Other	493	15%	878,677	13%	39,668,620	6%
TOTALS	3,364	100%	6,552,567	100%	700,283,041	100%

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

2011 Transmission and Distribution Goals and Objectives								
Program Project	Unit of Measurement	Target for 2011 4Q	Actual for 2011 4Q	Percent Complete	Targets for Year 2011	YTD Actuals Year 2011	Percent Complete	
Communications Goals								
Communication Battery Maintenance	Batteries	24	24	100%	96	97	101%	
Overhead Distribution Goals								
Sectionalizer and Reclosers	Devices	35	0	0%	89	121	136%	
Overhead Transmission Goals								
Tower Helicopter Inspections	Number of Towers	0	0	N/A	500	557	111%	
Tower Ground Detail Inspections	Number of Towers	50	0	0%	300	337	112%	
Substations Goals								
Breaker Maintenance	Breakers	200	172	86%	806	810	100%	
Transformer Maintenance	Transformers	7	16	229%	68	71	104%	
Station Battery Maintenance	Batteries	253	258	102%	1,012	1,015	100%	
Station Relay Maintenance	Relays	600	888	148%	2,090	2,171	104%	
Underground Distribution Goals								
Manhole Inspections	Manholes	187	0	0%	750	803	107%	
Network Vault Inspections	Network Units	137	76	55%	550	559	102%	
Network Protector Inspections	Protectors	75	0	0%	300	409	136%	
Underground Transmission Goals								
Pressurization and Cathodic Protection Plant Inspection	Work Packages	13	9	69%	52	59	113%	
Vegetation Management Goals								
Overhead Line Clearance	Circuit Overhead Miles	392	575	147%	1,410	1,728	123%	
Total Units		1,973	2,018	102%	8,023	8,737	109%	

(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.

Operating and Maintenance	2011 Budget	4 th Qtr. Actual	4 th Qtr. Budget	YTD Actual	YTD Budget
Total	\$187,809,179	\$51,131,489	\$51,031,292	\$181,692,271	\$187,809,183

Note: Financial records presented in this report accurately reflect budget and expense information available as of the date the report was created, but prior to the final financial closing. Changes to these reported numbers may occur.

(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.

Capital	2011 Budget	4 th Qtr. Actual	4 th Qtr. Budget	YTD Actual	YTD Budget
Total	\$251,960,148	\$75,387,613	\$55,119,787	\$259,559,176	\$251,960,148

In the 4th Quarter, we were able to catch up some of the projects that were behind schedule earlier in the year. For example, Midland Substation's planned 3rd Quarter work was delayed until the 4th Quarter because switchgear delivery was delayed by the manufacturer. Additionally, we accelerated several 2012 projects by starting the work in 2011.

The Duquesne Light Company's Transmission and Distribution Operating and Maintenance (e)(7) and Transmission and Distribution Capital (e)(8) Budgets and Expenditures consist of the following work elements:

- Restoration of Service costs includes expenses to restore service to customers during storm-related events, and restoration from outages caused by system and component equipment failures.
- Customer Commitment costs includes expenses to satisfy residential, commercial, industrial and governmental initiated work requests.
- System Maintenance costs include expenses for programmed preventive and corrective maintenance work.
- System Improvement costs include expenses incurred to provide load relief in growth areas identified through system assessment, as well as continued targeted replacement of systems and components based on maintenance findings and trended useful life.
- Utility costs required to enhance and maintain systems and processes necessary in support of the utility operations including metering systems, technology development to satisfy hardware and system application needs, transmission and distribution planning, all revenue cycle processes and all Operations support and Administrative and General expenses.

(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	7	
	Sr. Electronic Tech	12	
	Telecom Splicer/Trouble	6	
	Test Table Tech	0	
	Total	25	
Substation	Electrical Equipment Tech	25	
	Protection & Control Tech	26	
	Sr. Elec. Equipment Tech	10	
	Total	61	
Underground	Journey Apprentice	9	
	Driver Helper	0	
	UG Inspector	4	
	Journey UG Splicer	15	
	Sr. UG Splicer	2	
	UG Cable Tester/Installer	9	
	UG Mechanic	8	
	Network Operator	9	
	Total	56	
Overhead	Apprentice T&D	57	
	Rigger Specialist	3	
	Equipment Attendant	1	
	Equipment Material Handler	6	
	Field Inspector	5	
	Journey Lineworker	86	
	Lineworker Helper	0	
	Rigger Crew Leader	1	
	Service Crew Leader	5	
	Shop Mechanic 2 Rigger	3	
	Yard Group Leader	4	
	Sr. Lineworker	56	
	Total	227	
	Street Light Changers	Total	6
	Mobile Worker	Total	2

(e)(9) (Continued)

Engineering	Drafter	1
	General Clerk - Grad	10
	General Technician	0
	GIS Technician B	6
	Head File Record Clerk	1
	Survey Instrument	3
	Right of Way Agent A	4
	Sr. Technician	7
	T&D Mobile Worker	4
	Technician A	2
	Technician B	7
	Technician C	5
	Test Technician, Mobile	4
Total	54	
Service Center Technician	Sr. Technician	7
	Technician	8
	Total	15
Traveling Operator/Troubleshooter	Senior Operator	30
	Traveling Operator	7
	Traveling Operator 1/C	10
	Troubleshooter	7
	Total	54
Load Dispatcher	Total	10
Meter Technician	Meter Technician	18
	Sr. Meter Technician	17
	Total	35
Meter Reader	Total	13
Customer Service Representatives	Autodialing Operator	11
	Customer Service Rep	89
	Word Processing Clerk	3
	Sr. Customer Service	3
	Telephone Switchboard	0
	Total	106
Admin/Supervisory/Mgmt	Total	385
	TOTAL	1,049

- (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 2011

Month	Accepts	Refusals	Total	Percentage
October	207	493	700	29%
November	88	209	297	30%
December	162	411	573	28%

Amount of Time it Takes to Obtain the Necessary Personnel – 4th Quarter 2011

Month	Total Callout Events	Necessary Personnel Accepting	Average Minutes per Calling Event	Average Minutes to Obtain Necessary Personnel
October	86	207	9.4 : 806/86	3.9 : 806/207
November	35	88	8.0 : 280/35	3.2 : 280/88
December	64	162	8.0 : 515/64	3.2 : 515/162
4th Quarter 2011	185	457	8.7 : 1,601/185	3.5 : 1,601/457
YTD	892	2,437	17.0 : 15,161/892	6.2 : 15,161/2,437

The numerator in the above equations equals the total number of minutes all of the callouts took during the given month/quarter/year. The denominator in the above equations equals the total number of callout events or the total number of workers accepting during the given month/quarter/year.

As an example, during the month of October, on average, it took Duquesne Light, 3.9 minutes, per worker, to obtain 207 accepts during the 86 callouts. It took Duquesne Light, on average, 9.4 total minutes to obtain the necessary personnel for each of its 86 callouts.

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
23697	Brunot Island	Preble	Breaker	4	22,380	12/24/11	12,905,790	87,087	577	3.89	148
23816	Bellevue	Edison	WR372	4	18,696	12/21/11	3,799,480	24,733	203	1.32	154
23870	Mt. Nebo	Raccoon	WA557	4	26,795	11/23/11	4,930,144	49,840	184	1.86	99
23871	Mt. Nebo	Raccoon	Breaker	5	17,687	10/14/11	5,947,687	60,546	336	3.42	98
23670	Montour	Raccoon	WA527	4	30,532	10/14/11	4,975,016	31,842	163	1.04	156
23869	Wildwood	Edison	Recloser	4	18,745	10/14/11	3,934,978	28,545	210	1.52	138
23890	Carrick	McKeesport	EA778	5	24,616	9/7/11	4,853,937	287,748	197	11.69	17
23650	Neville	Preble	EA261	4	27,349	8/27/11	6,902,405	61,824	252	2.26	112
23783	Valley	Raccoon	Recloser	4	45,098	8/15/11	3,175,836	33,667	70	0.75	94
23935	Eastwood	Penn Hills	Recloser	4	21,437	7/29/11	1,269,501	26,144	59	1.22	49
23635	Ambridge	Raccoon	Breaker	4	18,308	7/18/11	14,801,401	65,879	808	3.60	225
23862	Wilson	McKeesport	EA663	4	33,843	7/18/11	8,010,515	81,026	237	2.39	99
4067	Schenley	Penn Hills	Breaker	4	1,602	7/8/11	2,314,320	11,820	1,445	7.38	196

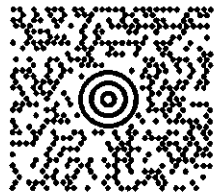
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