Duquesne Light
Our Energy...Your Power

Vernon J. Edwards
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January 28, 2011

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
2010 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,

V J Edwards

Vernon Edwards
Regulatory Compliance Supervisor

Enclosures
c: (Public Version):
Mr. W. Williams – Bureau of CEEP
Mr. D. Gill – Bureau of CEEP
Mr. B. J. Loper – Bureau of CEEP
Mr. I. A. Popowsky – Office of Consumer Advocate
Mr. W. R. Lloyd, Jr. – Office of Small Business Advocate

DUQUESNE LIGHT COMPANY
2010 Fourth Quarter Reliability Report

Filed January 31, 2010

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.**

Pamela Niehaus - Manager, Engineering Services
(412) 393-8446, pniehaus@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 2010.

(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	*
2010 4Q (Rolling 12 mo)	**87**	**1.09**	**80**	*

* Sufficient information to calculate MAIFI is unavailable.

Formulas used in calculating the indices

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

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

CAIDI = SAIDI/SAIFI

Data used in calculating the indices

Total KVA Interrupted for the Period
(Excluding 3 Major Events - 2/5/10, 4/16/10 & 9/22/10): 7,640,009 KVA

Total KVA-Minutes Interrupted:
(Excluding 3 Major Events – 2/5/10, 4/16/10 & 9/22/10): 611,385,895 KVA-Minutes

System Connected Load as of 2/5/10: 7,050,027 KVA
February 5, 2010 Major Event: 1,562,210 KVA (22% of System Load)
1,193,717,350 KVA-Minutes

System Connected Load as of 4/16/10: 7,050,027 KVA
April 16, 2010 Major Event: 837,830 KVA (12% of System Load)
291,711,930 KVA-Minutes

System Connected Load as of 9/22/10: 7,050,027 KVA
September 22, 2010 Major Event: 985,497 KVA (14% of System Load)
479,093,870 KVA-Minutes

(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	23733	Universal	Penn Hills	Various equipment failures. Infrared of portions of this circuit were completed on October 10, 2010 with no new corrective action needed. Will Infrared rest of circuit by end of 1st Quarter 2011 with remediation of identified problems planned by end of 2nd Quarter 2011.
2	4253	Grant	Preble	All outages caused by cable failures. Cable repaired or replaced during outages. Long-term plan includes the conversion of this station to 23kV.
3	4499	Irwin	Preble	*Various equipment, cable, substation breaker and transformer failures.* Will infrared station to look for any issues related to the station as last outage involved the substation breaker.
4	23630	Sewickley	Raccoon	Outages related to falling trees. VM reviewed circuit and found no additional issues to remediate. Tree issues resolved when incident occurred.
5	23700	North	Edison	Circuit was reviewed for overloads after 2nd Quarter 2010 and none were found. No new outages since July 2010. VM reviewed circuit and resolved minor issues before end of August 2010. No new outages since July 2010. No further action required at this time.
6	23950	Wilkinsburg	Penn Hills	Various equipment failures. Infrared of circuit completed on August 19, 2010. Remediation of identified problems was completed by December 31, 2010. No new outages since 2nd Quarter. No further action required at this time.
7	23610	Findlay	Raccoon	Infrared of circuit completed in 2nd Quarter 2010. All problems will be fixed by end of 1st Quarter 2011. No new outages since the 2nd Quarter 2010.
8	23635	Ambridge	Raccoon	This circuit is scheduled to be relieved of load when the Edgeworth Project is completed, which will improve the reliability of this circuit. No new outages since the 2nd Quarter 2010.

(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, 2010 through December 31, 2010 – Three PUC Major Event Exclusions

CAUSE	NO. OF OUTAGES	OUTAGE PERCENTAGE	KVA TOTAL	KVA PERCENTAGE	KVA-MINUTE TOTAL	KVA-MINUTE PERCENTAGE
Storms	385	12%	1,056,361	14%	113,869,681	19%
Trees (Contact)	77	2%	164,355	2%	18,416,380	3%
Trees (Falling)	561	18%	1,524,455	20%	147,786,602	24%
Equipment Failures	909	29%	2,619,899	34%	200,894,975	33%
Overloads	471	15%	443,409	6%	25,529,615	4%
Vehicles	149	5%	371,238	5%	44,288,745	7%
Other	553	19%	1,460,292	19%	60,599,897	10%
TOTALS	**3,105**	**100%**	**7,640,009**	**100%**	**611,385,895**	**100%**

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

2010 Transmission and Distribution Goals and Objectives Program Project	Unit of Measurement	Target for 2010 4Q	Actual for 2010 4Q	Percent Complete	Targets for Year 2010	YTD Actuals Year 2010	Percent Complete
Communications Goals							
Telecom Battery Maintenance	Batteries	23	25	109%	92	94	102%
Overhead Distribution Goals							
Sectionalizer/Recloser Control	Control Units	0	0	N/A	82	117	143%
Sectionalizer Upper Switch	Switches	0	0	N/A	0	0	N/A
Overhead Transmission Goals							
Tower Helicopter Inspections	Number of Towers	0	687	N/A	500	1,224	245%
Tower Ground Detail Inspections	Number of Towers	50	0	0%	300	338	113%
Substations Goals							
Breaker Maintenance	Breakers	200	236	118%	756	776	103%
Transformer Maintenance	Transformers	7	28	400%	65	74	114%
Station Battery Maintenance	Batteries	261	267	102%	1,044	1,044	100%
Station Relay Maintenance	Relays	350	428	122%	1,910	2,037	107%
Underground Distribution Goals							
Manhole Inspections	Manholes	187	212	113%	750	764	102%
Network Vault Inspections	Network Units	137	126	92%	550	556	101%
Network Protector Inspections	Protectors	75	113	151%	300	533	178%
Underground Transmission Goals							
Pressurization and Cathodic Protection Plant Inspection	Work Packages	13	4	31%	52	114	219%
Vegetation Management Goals							
Overhead Line Clearance	*Circuit Overhead Miles*	392	476	121%	1,410	1,696	120%
	Total Units	**1,695**	**2,602**	**154%**	**7,811**	**9,367**	**120%**

(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	2010 Budget	4th Qtr. Actual	4th Qtr. Budget	YTD Actual	YTD Budget
Total	$189,663,301	$41,068,341	$48,502,843	$174,509,879	$189,663,301

Expenses were less than anticipated due to slower ramp up of Energy Efficiency Programs, implementation of cost saving programs, and lower Transmission and ancillary services expenses.

(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	2010 Budget	4th Qtr. Actual	4th Qtr. Budget	YTD Actual	YTD Budget
Total	$274,763,201	$80,055,871	$75,609,675	$258,784,897	$274,763,201

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	7
	Test Table Tech	0
	Total	**26**
Substation	Electrical Equipment Tech	25
	Protection & Control Tech	27
	Sr. Elec. Equipment Tech	10
	Total	**62**
Underground	Journey Apprentice	9
	Driver Helper	0
	UG Inspector	3
	Journey UG Splicer	13
	Sr. UG Splicer	3
	UG Cable Tester/Installer	11
	UG Mechanic	7
	Network Operator	9
	Total	**55**
Overhead	Apprentice T&D	54
	Rigger Specialist	3
	Equipment Attendant	1
	Equipment Material Handler	6
	Field Inspector	5
	Journey Lineworker	93
	Lineworker Helper	0
	Rigger Crew Leader	2
	Service Crew Leader	5
	Shop Mechanic 2 Rigger	2
	Yard Group Leader	5
	Sr. Lineworker	59
	Total	**235**
Street Light Changers	**Total**	**6**
Mobile Worker	**Total**	**1**

(e)(9) (Continued)

Engineering	Drafter	2
	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	5
	T&D Mobile Worker	4
	Technician A	2
	Technician B	9
	Technician C	4
	Test Technician, Mobile	4
	Total	**54**
Service Center Technician	Sr. Technician	7
	Technician	11
	Total	**18**
Traveling Operator/Troubleshooter	Senior Operator	31
	Traveling Operator	9
	Traveling Operator 1/C	0
	Troubleshooter	14
	Total	**54**
Load Dispatcher	**Total**	**12**
Meter Technician	Meter Technician	18
	Sr. Meter Technician	18
	Total	**36**
Meter Reader	**Total**	**14**
Customer Service Representatives	Autodialing Operator	12
	Customer Service Rep	94
	Word Processing Clerk	2
	Sr. Customer Service	3
	Telephone Switchboard	0
	Total	**111**
Admin/Supervisory/Mgmt	**Total**	**385**
	TOTAL	**1,069**

(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 2010

Month	Accepts	Refusals	Total	Percentage
October	83	167	250	33%
November	73	152	225	32%
December	156	315	471	33%

Amount of Time it Takes to Obtain the Necessary Personnel – 4th Quarter 2010

Month	Total Callout Events	Necessary Personnel Accepting	Average Minutes per Calling Event		Average Minutes to Obtain Necessary Personnel	
October	35	83	11.0	385/35	4.6	385/83
November	37	73	13.4	496/37	6.8	496/73
December	65	156	16.9	1,096/65	7.0	1,096/156
4th Quarter 2010	**137**	**312**	**14.4**	**1,977/137**	**6.3**	**1,977/312**
YTD	**806**	**2,523**	**19.5**	**15,677/806**	**6.2**	**15,677/2,523**

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, 4.6 minutes, per worker, to obtain 83 accepts during the 35 callouts. It took Duquesne Light, on average, 11.0 total minutes to obtain the necessary personnel for each of its 35 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
23733	Universal	Penn Hills	EA11	5	26,095	11/24/10	2,328,274	76,736	89	2.94	30
4253	Grant	Preble	Breaker	4	3,095	10/27/10	2,219,330	13,066	717	4.22	170
4499	Irwin	Preble	Breaker	4	3,163	10/5/10	2,253,437	12,652	712	4.00	178
23630	Sewickley	Raccoon	WA573	4	38,180	8/14/10	12,649,888	60,928	331	1.60	208
23700	North	Edison	WA386	4	17,835	7/29/10	9,016,259	128,339	506	7.20	70
23950	Wilkinsburg	Penn Hills	EA205/EA765	6	16,022	7/14/10	12,880,873	98,440	804	6.14	131
23610	Findlay	Raccoon	WA634	4	25,975	5/28/10	10,377,309	52,350	400	2.02	198
23635	Ambridge	Raccoon	Breaker	4	18,308	5/18/10	4,711,399	165,971	257	9.07	28

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1 OF 1

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CS 13.0.22 WXPE70 12.0A 01/2011

TM