



411 Seventh Avenue, MD 16-4
Pittsburgh, PA 15219

Vernon J. Edwards
Regulatory Compliance Supervisor

Telephone: 412-393-3662
Fax: 412-393-5687
vedwards@duqlight.com

January 28, 2010

VIA OVERNIGHT MAIL DELIVERY

Mr. James J. McNulty, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street
Harrisburg, Pennsylvania 17120

RECEIVED

JAN 28 2010

PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

**Re: Duquesne Light Company
2009 Fourth Quarter Reliability Report**

Dear Secretary McNulty:

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 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 at (412) 393-3662.

Sincerely,

Vernon Edwards
Regulatory Compliance Supervisor

Enclosures

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

**DUQUESNE LIGHT COMPANY
2009 Fourth Quarter Reliability Report**

RECEIVED

JAN 28 2010

PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

Filed January 28, 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 2009.

(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	*
2009 4Q (Rolling 12 mo)	82	.97	85	*

* 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 (Excluding 2/11/09 Major Event):	6,828,430	KVA
Total KVA-Minutes Interrupted: (Excluding 2/11/09 Major Event):	578,862,007	KVA-Minutes
System Connected Load as of 12/31/09:	7,043,377	KVA
February 11, 2009 Major Event:	903,714 KVA (13% of System Load)	291,170,402 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	4255	Grant	Preble	DLC continued to monitor this circuit since the outage on September 19, 2009. There have been no new lockouts since the 3 rd Quarter.
2	4067	Schenley	Penn Hills	DLC continued to monitor this circuit since the September 11, 2009 outage that was due to a motor vehicle accident. There have been no new lockouts since the 3 rd Quarter.
3	4253	Grant	Preble	This circuit continued to be monitored. Problems that were found from the infrared testing of this station were repaired on July 24, 2009. There have been no new lockouts since the 2 nd Quarter.

For reference, the following chart shows the 3rd Quarter 2009 rolling 12-month worst circuits and action forecasted for remediation with updates.

Third Quarter Rolling 12 Months

Rank	Circuit	Name	Service Center	Remedial Actions Planned or Taken
1	4255	Grant	Preble	Outage on September 19, 2009 was due to a cable failure, which has been repaired. For all other outages no cause was found but could have been the result of equipment problems found during infrared testing of substation which were repaired on July 24, 2009.
2	4067	Schenley	Penn Hills	DLC experienced a severe lightning storm on June 17-20, 2009 which resulted in two separate failures for this circuit. The last outage on September 11, 2009 was due to a motor vehicle accident. The cables were repaired and we will continue to monitor this circuit.
3	23822	Highland	Penn Hills	Two outages were due to falling trees and two incidents were from tie wire failures. Will infrared test the circuit and make repairs by end of the year. VM will check Frankstown Road for anymore apparent tree issues. Half of KVA-minutes outages was due to June 17, 2009 storm. 4Q Update: No new lockouts since August 4, 2009. VM checked Frankstown Road and found no new issues. Infrared Test Report reviewed in 2009. Six items are scheduled for repair in 2010.
4	23640	Midland	Raccoon	Three of the four lockouts occurred with the June 17, 2009 storm. Will monitor this circuit. 4Q Update: No new lockouts since June 2009.
5	4253	Grant	Preble	DLC experienced a severe lightning storm on June 17-20, 2009 which caused breaker to open, then a transformer failure on June 20, 2009 caused breaker to open twice. Problems found from infrared of station were repaired on July 24, 2009. No outages since last quarter for this circuit.

- (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, 2009 through December 31, 2009 – One PUC Major Event Exclusion

CAUSE	NO. OF OUTAGES	OUTAGE PERCENTAGE	KVA TOTAL	KVA PERCENTAGE	KVA-MINUTE TOTAL	KVA-MINUTE PERCENTAGE
Storms	349	15%	966,439	14%	160,506,695	28%
Trees (Contact)	97	4%	45,467	1%	3,755,454	1%
Trees (Falling)	379	16%	1,307,493	19%	102,928,422	18%
Equipment Failures	780	33%	2,457,846	36%	202,953,120	35%
Overloads	160	7%	220,886	3%	20,281,348	3%
Vehicles	165	7%	555,815	8%	46,307,186	8%
Other	443	18%	1,274,484	19%	42,129,782	7%
TOTALS	2,373	100%	6,828,430	100%	578,862,007	100%

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

Program Project	Unit of Measurement	Target for 2009 4Q	Actual for 2009 4Q	Percent Complete	Targets for Year 2009	YTD Actuals Year 2009	Percent Complete
Communications Goals							
Telecom Battery Maintenance	Batteries	28	72	257%	112	168	150%
Microwave Radio Maintenance	Radio Units	0	0	N/A	0	0	N/A
Overhead Distribution Goals							
Sectionalizer/Recloser Control	Control Units	0	0	N/A	120	141	118%
Sectionalizer Upper Switch	Switches	0	5	N/A	205	207	101%
Overhead Transmission Goals							
Tower Helicopter Inspections	Number of Towers	0	0	N/A	500	545	109%
Tower Ground Detail Inspections	Number of Towers	50	0	0%	300	355	118%
Substations Goals							
Breaker Maintenance	Breakers	170	152	89%	670	696	104%
Transformer Maintenance	Transformers	7	10	143%	65	68	105%
Station Battery Maintenance	Batteries	268	306	114%	1,072	1,083	101%
Station Relay Maintenance	Relays	520	844	162%	1,910	2,352	123%
Underground Distribution Goals							
Manhole Inspections	Manholes	187	122	65%	750	759	101%
Network Vault Inspections	Network Units	137	136	99%	550	557	101%
Network Protector Inspections	Protectors	75	35	47%	300	447	149%
Underground Transmission Goals							
Pressurization and Cathodic Protection Plant Inspection	Work Packages	13	14	108%	52	52	100%
Vegetation Management Goals							
Overhead Line Clearance	Circuit Overhead Miles	392	395	101%	1,410	1,422	101%
Total Units		1,847	2,091	113%	8,016	8,852	110%

(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.

Program	2009 Budget	4 th Qtr. Actual	4 th Qtr. Budget	YTD Actual	YTD Budget
OPERATIONS AND BUSINESS SUPPORT					
Operations	\$29,596,536	\$5,952,588	\$6,917,530	\$26,843,436	\$29,596,536
Business Support	\$49,975,216	\$8,348,417	\$14,380,752	\$35,406,819	\$49,975,216
Program Totals	\$79,571,752	\$14,301,005	\$21,298,282	\$62,250,255	\$79,571,752

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.

Program	2009 Budget	4 th Qtr. Actual	4 th Qtr. Budget	YTD Actual	YTD Budget
OPERATIONS AND BUSINESS SUPPORT					
Operations	\$138,875,077	\$52,369,152	\$28,916,073	\$153,518,245	\$138,875,077
Business Support	\$48,258,119	\$15,261,524	\$12,158,826	\$48,853,177	\$48,258,119
Program Totals	\$187,133,196	\$67,630,476	\$41,074,899	\$202,371,422	\$187,133,196

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 two major functional work categories, classified as "Operations" and "Business Support".

Operations expenses include 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.

Business Support expenses include the following work elements:

- o Business Support costs are required to enhance and maintain systems and processes necessary in support of the core business and Operations including metering systems, technology development to satisfy hardware and system application needs, transmission and distribution planning and all revenue cycle processes.

(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	10
	Telecom Splicer/Trouble	7
	Test Table Tech	1
	Total	25
Substation	Electrical Equipment Tech	24
	Protection & Control Tech	25
	Sr. Elec. Equipment Tech	9
	Total	58
Underground	Apprentice T&D	2
	Driver Helper	0
	Journey UG Inspector	5
	Journey UG Splicer	16
	Sr. UG Splicer	6
	UG Cable Tester/Installer	13
	UG Mechanic	7
	Network Operator	9
	Total	58
Overhead	Apprentice T&D	47
	Rigger Specialist	4
	Equipment Attendant	1
	Equipment Material Handler	6
	Field Inspector	4
	Journey Lineworker	99
	Lineworker Helper	0
	Rigger Crew Leader	2
	Service Crew Leader	5
	Shop Mechanic 2 Rigger	1
	Yard Group Leader	4
	Sr. Lineworker	57
	Total	230
	Street Light Changers	Total
Mobile Worker	Total	2

(e)(9) (Continued)

Engineering	Drafter	3
	General Clerk - Grad	10
	General Technician	2
	GIS Technician B	5
	Head File Record Clerk	1
	Survey Instrument	3
	Right of Way Agent A	4
	Sr. Technician	4
	T&D Mobile Worker	4
	Technician A	1
	Technician B	11
	Technician C	1
	Test Technician, Mobile	3
	Total	52
Service Center Technician	Sr. Technician	10
	Technician	7
	Total	17
Traveling Operator/Troubleshooter	Senior Operator	30
	Traveling Operator	1
	Traveling Operator 1/C	8
	Troubleshooter	15
	Total	54
Load Dispatcher	Total	10
Meter Technician	Meter Technician	16
	Sr. Meter Technician	19
	Total	35
Meter Reader	Total	13
Customer Service Representatives	Autodialing Operator	9
	Customer Service Rep	97
	Word Processing Clerk	2
	Sr. Customer Service	3
	Telephone Switchboard	1
	Total	112
Admin/Supervisory/Mgmt	Total	371
	TOTAL	1,043

- (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 – 2009

Month	Accepts	Refusals	Total	Percentage
October	126	251	377	33%
November	63	64	127	50%
December	149	203	352	42%

Amount of Time it Takes to Obtain the Necessary Personnel – 2009

Month	Total Callout Events	Necessary Personnel Accepting	Average Minutes per Calling Event	Average Minutes to Obtain Necessary Personnel
October	44	126	28.1	1,236/44
November	23	63	9.1	209/23
December	52	149	12.5	652/52
4th Quarter YTD	119	338	17.6	2,097/119
YTD	642	1,710	15.8	10,160/642

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.

During the month of October, on average, it took Duquesne Light, 9.8 minutes, per worker, to obtain 126 accepts during the 44 callouts. Subsequently, it took Duquesne Light, on average, 28.1 total minutes to obtain the necessary personnel for each of its 44 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
4255	Grant	Preble	Breaker	4	325	9/19/09	370,121	1,863	1139	5.73	199
4067	Schenley	Penn Hills	Breaker	4	1,602	9/11/09	2,403,528	7,680	1500	4.79	313
4253	Grant	Preble	Breaker	5	3,095	6/20/09	3,332,760	16,966	1077	5.48	196

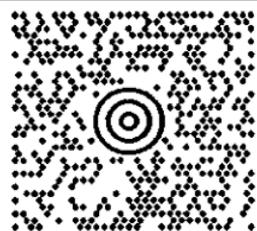
JOYCE LEVA
4123931148
DUQUESNE LIGHT
411 SEVENTH AVENUE
PITTSBURGH PA 15219

0.0 LBS LTR

1 OF 1

SHIP TO:

MR. JAMES J. MCNULTY
717-772-7777
PENNSYLVANIA PUBLIC UTILITY COMMISS
400 NORTH STREET
COMMONWEALTH KEYSTONE BUILDING
HARRISBURG PA 17120-0200



PA 171 9-20



UPS NEXT DAY AIR

TRACKING #: 1Z 0X8 40Y 01 9509 6132

1



BILLING: P/P

Cost Center: 492

CS 12.0.21. WXP1E70 99.0A 01/2010



TM