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February 3, 2014

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

RECEIVED

FEB 03 2014

PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

**Re: Duquesne Light Company  
Fourth Quarter 2013 Electric Reliability Report**

Dear Secretary Chiavetta:

Please find enclosed for filing the Fourth Quarter 2013 Electric Reliability Report of Duquesne Light Company ("Duquesne Light" or the "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,

Vernon J. Edwards  
Manager, Regulatory Affairs

Enclosures

cc: (Public Version):  
Bureau of Technical Utility Services  
Office of Consumer Advocate  
Office of Small Business Advocate



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FEB 03 2014

PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

***Duquesne Light Company***  
***4<sup>th</sup> Quarter 2013***  
***Electric Reliability Report***  
***to the***  
***Pennsylvania Public Utility Commission***

*February 3, 2014*

**DUQUESNE LIGHT COMPANY**  
**Fourth Quarter 2013 – Electric Reliability Report**

**Filed February 3, 2013**

**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  
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Vernon J. Edwards – Manager, Regulatory Affairs  
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**(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 2013.

- (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   | *     |
| 2013 4Q (Rolling 12 mo) | 75    | 0.62  | 121   | *     |

\* 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<br>(Excluding July 10, 2013 Major Event) | 4,432,987            | KVA         |
| Total KVA-Minutes Interrupted:<br>(Excluding July 10, 2013 Major Event)       | 536,328,687          | KVA-Minutes |
| System Connected Load as of 12/31/13:   | 7,195,761            | KVA         |
| July 10, 2013 Major Event:  | 724,661              | KVA         |
|   | (10% of System Load) |             |
|   | 178,805,024          | 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 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.

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 2013 Rolling 12 Month Circuit Data

| Rank | Circuit | Name                | Service Center | Remedial Actions Planned or Taken   |
|------|---------|---------------------|----------------|---|
| 1    | 22869   | Midland-Cooks Ferry | Raccoon        | Only one outage occurred during the 4th QTR on the R100-131571 single-phase Reclosers caused by a storm which affected a small number of customers only. Past reliability issues on this rural circuit generally affected the main feeder. These larger outages have been greatly reduced over the last 4 Quarters providing significant reliability improvement for the customers. The distribution portion of this circuit now uses all 3-phase Pulse-Reclosers. This reduces fault current and limits energy delivered to the actual fault during reclosing which minimizes damage to the circuit resulting in faster restoration and better reliability. The section of this circuit beyond R100-13157 will be thoroughly inspected again in the 1st QTR of 2014 to find and correct any potential outage problems.   |
| 2    | 4517    | Sandy Creek         | Penn Hills     | No new breaker outages have occurred at Sandy Creek or on the sub-transmission circuit T22171 that runs through and powers Sandy Creek Substation during the 4th Quarter of 2013. To prevent future sub-transmission circuit outages from affecting Sandy Creek, Duquesne is installing two IntelliRupters on this sub-transmission circuit, one on each side of the substation. These IntelliRupters will automatically isolate a fault on the sub-transmission circuit to just one side of the substation and keep Sandy Creek SS powered from the other side. This work is scheduled to be completed during the 1st Quarter of 2014 well before storm season. Note: Because the IntelliRupter auto-fault clearing functionality will eliminate what were historically lengthy outages for customers on the Sandy Creek circuit, this will also have a positive impact in reducing interrupted kVA minutes. |
| 3    | 4279    | Squaw Run           | Edison         | No new breaker outages have occurred at Squaw Run or on the sub-transmission circuit T22567 that feeds Squaw Run Substation since the storm on 07/10/13. To prevent future sub-transmission outages from affecting Squaw Run, Duquesne has installed two IntelliRupters on the sub-transmission circuit, one on each side of the substation. These IntelliRupters will automatically isolate a fault on the sub-transmission circuit to just one side of the substation and keep Squaw Run SS powered from the other side. This work was completed during the 4th Quarter of 2013 and reliability is expected to improve significantly. Note: Because the IntelliRupter auto-fault clearing functionality will eliminate what were historically lengthy outages for customers on the Squaw Run circuit, this will also have a positive impact in reducing interrupted kVA minutes.                            |

| Rank | Circuit | Name         | Service Center | Remedial Actions Planned or Taken   |
|------|---------|--------------|----------------|---|
| 4    | 23716   | Pine Creek   | Edison         | One outage occurred during the 4th quarter that was caused by a motor vehicle accident which broke a pole and locked out the Pine Creek breaker. The 3 previous breaker outages were caused by unrelated problems. 1) A lockout for unknown reasons while the circuit was in non-reclosing for line crew work. 2) A tree fell across the feeder during a storm. 3) An insulator broke while a crew was replacing a jumper. No underlying reliability issues need to be addressed on this circuit at this time but DLC will continue to monitor performance closely. |
| 5    | 23922   | Logans Ferry | Penn Hills     | Four outages occurred on EA161 between 6-30-13 and 10-9-13. The first was due to a tree that fell from outside the R/W across the feeder breaking a cross arm. The second was a broken pole caused by a motor vehicle accident. The third and fourth outages were due to problems that occurred while crews were hot sticking the line with EA161 in One-Shot-to-Lockout. No underlying reliability problems need to be addressed on D23922 at this time but DLC will continue to monitor performance closely.  |
| 6    | 23701   | North        | Edison         | No Breaker outages occurred on this circuit during the 4th quarter of 2013 but DLC is continuing to monitor performance. All 4 previous Breaker outages occurred during the third quarter of 2013 with no prior history of any reliability issues. Three of these outages were caused by storms and a 4th outage was caused by a fallen tree during a storm. No underlying circuit problems were found near the substation during the 4th QTR inspection as demonstrated by the good 4th Quarter performance.   |
| 7    | 4852    | Conway       | Raccoon        | No Breaker outages occurred on the Conway circuit during the 4th quarter of 2013 and the 4 previous outages occurred between 1/30/13 and 9/12/13 with no history of any prior reliability issues before this. Two of the outages were caused by storms and two were tree related. Permanent repairs were made after each outage and no underlying circuit problems were found during the 4th QTR inspection as demonstrated by the good 4th Quarter performance.  |

| Rank | Circuit | Name        | Service Center | Remedial Actions Planned or Taken  |
|------|---------|-------------|----------------|--|
| 8    | 23640   | Midland     | Raccoon        | No additional Breaker outages occurred on the Midland circuit during the 4th quarter of 2013. Two of the previous Breaker outages were caused by storms. A third was caused by a tree fall in and the fourth occurred when primary burnt down for an undetermined reason. Permanent repairs were made after each of the four outages and Vegetation Management has investigated the location that involved a tree failure. No additional underlying reliability problems need addressed on the Midland circuit at this time as demonstrated by its good 4th Quarter performance. All work to convert All-Pulse-Reclosing operation has been complete.  |
| 9    | 23867   | Wildwood    | Edison         | No additional outages occurred on the R100-134629 recloser during the 4th quarter of 2013. The 4 previous outages on this device occurred between 2/11/13 and 7/16/13 and affected a small section of the circuit fed by 4kV stepdown transformers through the R100 single-phase Reclosers. At this time, no additional action is required on this circuit as demonstrated by its good 4th Quarter performance, but we will continue to monitor its performance.   |
| 10   | 23950   | Wilkinsburg | Penn Hills     | No additional outages occurred on the Wilkinsburg Breaker during the 4th quarter of 2013. All 4 previous Breaker outages at Wilkinsburg occurred during June and July of 2013 with no prior history of any reliability problems. Permanent repairs were made following each outage and no additional action is required at this time, but we will continue to monitor its performance.   |
| 11   | 23690   | B.I.        | Preble         | No new outages occurred on WA395 during the 2nd, 3rd or 4th QTRs of 2013 but we are continuing to monitor this circuit closely because of past reliability problems. All previous outages were caused by tree related problems along a heavily wooded corridor that became unstable and prone to landslides which caused tree falls-ins. A developer has stabilized the hillside in order to build homes at the top. This circuit has recently been extended through this same corridor to relieve growing load in the West View area beyond. To maintain and improve the reliability of the circuit with its increased load, two new IntelliRupters were added and the entire circuit's protection was upgraded to an all-Pulse-Reclosing configuration which reduces fault current and limits the energy delivered to an actual fault. |
| 12   | 23705   | North       | Edison         | Two different areas of North 23705 have had some reliability issues during 2013. Each area experienced three outages. There were three tree-related outages near North substation that locked out the breaker. There were also three additional outages further downstream that locked out sectionalizer WA441 due to a falling tree, a storm and an insulator failure. The breaker and the sectionalizer outages did not affect the same customers. Permanent repairs were made after each outage and Vegetation Management is inspecting the feeder R/W near North Substation to correct any additional vegetation problems. We will continue monitoring the performance of this circuit to verify that reliability has improved.  |

| Rank | Circuit | Name          | Service Center | Remedial Actions Planned or Taken  |
|------|---------|---------------|----------------|--|
| 13   | 23862   | Wilson        | McKeesport     | No new outages occurred on EA663 during the 4th QTR of 2013 but we are continuing to monitor this circuit closely because of reliability issues during the 3rd QTR. Generally, Wilson Ckt D23862 has had good reliability, but during the previous 4 QTRs a number of storms hit this area especially hard causing three outages on EA663. 4th QTR plans to upgrade firmware in the automated devices on this circuit and convert it to an All-Pulse-Reclosing circuit configuration were delayed until the 1st QTR of 2014 because of delays in firmware module availability from the manufacturer.   |
| 14   | 4423    | Spring Garden | Preble         | No new outages occurred on the Spring Garden Breaker during the 3rd or 4th QTRs of 2013. Overall, this circuit has had a history of good reliability and the recent outages were the result of unrelated and unusual conditions. We are continuing to monitor this circuit to verify that reliability is back to its former levels.  |
| 15   | 4135    | Eastwood      | Penn Hills     | No new breaker outages have occurred since 06/25/13 on either of the two sub-transmission circuits (T22171 and T22178) that power Eastwood Substation. To prevent future sub-transmission circuit outages from causing a Substation outage, Duquesne has installed an IntelliRupter on each of these sub-transmission circuits, just outside of the Substation. These IntelliRupters will automatically isolate a fault on the sub-transmission circuit to just one side of the substation and keep Eastwood SS powered from the other side. This work was completed during December of 2013. Note: Because the IntelliRupter auto-fault clearing functionality will eliminate what were historically lengthy outages for customers on the Eastwood circuits, this will also have a positive impact in reducing interrupted kVA minutes.   |
| 16   | 4136    | Eastwood      | Penn Hills     |  |
| 17   | 4138    | Robinson      | Penn Hills     | No new breaker outages have occurred since 06/25/13 on either of the two sub-transmission circuits (T22174 and T22178) that power Robinson Substation. To prevent future sub-transmission circuit outages from causing a substation outage, Duquesne is installing an IntelliRupter on each of these sub-transmission circuits, just outside of Robinson Substation. These IntelliRupters will automatically isolate a fault on the sub-transmission circuit to just one side of the substation and keep Robinson SS powered from the other side. This work is on schedule to be completed during the 1st Quarter of 2014 well before storm season. Note: Because the IntelliRupter auto-fault clearing functionality will eliminate what were historically lengthy outages for customers on the Robinson circuits, this will also have a positive impact in reducing interrupted kVA minutes. |
| 18   | 4139    | Robinson      | Penn Hills     |  |
| 19   | 4718    | Sheffield     | Raccoon        | No new outages occurred on the Sheffield R100 4kV Recloser during the 3rd or 4th QTRs. All previous outage problems have been corrected and Vegetation Management issues resolved. We continued to monitor this circuit during the 4th QTR to verify that no additional problems existed.  |

| Rank | Circuit | Name | Service Center | Remedial Actions Planned or Taken  |
|------|---------|------|----------------|--|
| 20   | 4154    | Long | Penn Hills     | No new breaker outages have occurred since 07/16/13 on sub-transmission circuit T22174 that runs through and powers Long Substation. To prevent future outages of this type, Duquesne is installing two IntelliRupters on this sub-transmission circuit, one on each side of the substation. These IntelliRupters will automatically isolate a fault on the sub-transmission circuit to just one side of the substation and keep Long SS powered from the other side. This work is on schedule to be completed during the 1st Quarter of 2014 well before storm season. Note: Because the IntelliRupter auto-fault clearing functionality will eliminate what were historically lengthy outages for customers on the Long circuits, this will also have a positive impact in reducing interrupted kVA minutes. |
| 21   | 4155    | Long | Penn Hills     |  |

**(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, 2013 through December 31, 2013 – One PUC Major Event Exclusion**

| CAUSE              | NO. OF OUTAGES | OUTAGE PERCENTAGE | KVA TOTAL        | KVA PERCENTAGE | KVA-MINUTE TOTAL   | KVA-MINUTE PERCENTAGE |
|--------------------|----------------|-------------------|------------------|----------------|--------------------|-----------------------|
| Storms             | 567            | 20%               | 693,008          | 16%            | 132,523,073        | 25%                   |
| Trees (Contact)    | 32             | 1%                | 24,678           | 1%             | 2,366,168          | 1%                    |
| Trees (Falling)    | 730            | 26%               | 1,380,004        | 31%            | 179,447,919        | 33%                   |
| Equipment Failures | 706            | 25%               | 1,139,489        | 26%            | 128,816,022        | 24%                   |
| Overloads          | 174            | 6%                | 111,726          | 3%             | 12,475,141         | 2%                    |
| Vehicles           | 149            | 5%                | 339,741          | 8%             | 37,316,156         | 7%                    |
| Other              | 463            | 17%               | 744,341          | 15%            | 43,384,208         | 8%                    |
| <b>TOTALS</b>      | <b>2,821</b>   | <b>100%</b>       | <b>4,432,987</b> | <b>100%</b>    | <b>536,328,687</b> | <b>100%</b>           |

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

| 2013 Transmission and Distribution Goals and Objectives |                        |                    |                    |                  |                       |                     |
|---|------------------------|--------------------|--------------------|------------------|-----------------------|---------------------|
| Program Project   | Unit of Measurement    | Target for 2013 4Q | Actual for 2013 4Q | Percent Complete | Targets for Year 2013 | Actual YTD for 2013 |
| <b>Communications Goals</b>                             |                        |                    |                    |                  |                       |                     |
| Communication Battery Maintenance                       | Batteries              | 24                 | 24                 | 100%             | 96                    | 96                  |
| <b>Overhead Distribution Goals</b>                      |                        |                    |                    |                  |                       |                     |
| Recloser Inspections                                    | Circuits               | 33                 | 0                  | 0%               | 133                   | 134                 |
| Pole Inspections  | Poles                  | 4,421              | 3,760              | 85%              | 17,689                | 17,992              |
| OH Line Inspections                                     | Circuits               | 33                 | 0                  | 0%               | 133                   | 134                 |
| OH Transformer Inspections                              | Circuits               | 33                 | 0                  | 0%               | 133                   | 134                 |
| Padmount & Submersible Tfmr Insp                        | Circuits               | 20                 | 29                 | 145%             | 83                    | 83                  |
| <b>Overhead Transmission Goals</b>                      |                        |                    |                    |                  |                       |                     |
| Tower Helicopter Inspections                            | Number of Towers       | 0                  | 0                  | N/A              | 500                   | 500                 |
| Tower Ground Detail Inspections                         | Number of Towers       | 50                 | 191                | N/A              | 300                   | 300                 |
| <b>Substations Goals</b>                                |                        |                    |                    |                  |                       |                     |
| Breaker Maintenance                                     | Breakers               | 225                | 220                | 98%              | 855                   | 857                 |
| Transformer Maintenance                                 | Transformers           | 4                  | 0                  | 0%               | 71                    | 71                  |
| Station Battery Maintenance                             | Batteries              | 240                | 239                | 100%             | 960                   | 962                 |
| Station Relay Maintenance                               | Relays                 | 378                | 280                | 74%              | 1,578                 | 1,634               |
| Station Inspections                                     | Sites                  | 516                | 516                | 100%             | 2,064                 | 2,064               |
| <b>Underground Distribution Goals</b>                   |                        |                    |                    |                  |                       |                     |
| Manhole Inspections                                     | Manholes               | 25                 | 43                 | 172%             | 720                   | 741                 |
| Network Vault Inspections                               | Ntwk Vault Sites       | 45                 | 5                  | 11%              | 270                   | 275                 |
| Network Protector Inspections                           | Ntwk Protectors        | 136                | 115                | 85%              | 586                   | 604                 |
| Network Transformer Inspections                         | Ntwk Tfmrs             | 136                | 115                | 85%              | 586                   | 604                 |
| <b>Underground Transmission Goals</b>                   |                        |                    |                    |                  |                       |                     |
| Pressurization and Cathodic Protection Plant Inspection | Work Packages          | 8                  | 2                  | 25%              | 52                    | 54                  |
| <b>Vegetation Management Goals</b>                      |                        |                    |                    |                  |                       |                     |
| Overhead Line Clearance                                 | Circuit Overhead Miles | 345                | 500                | 145%             | 1,300                 | 1,325               |
| <b>Total Units</b>                                      |                        | <b>6,672</b>       | <b>6,039</b>       | <b>91%</b>       | <b>28,109</b>         | <b>28,564</b>       |

**(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, 2013 (Quarter-to-date)\***

**Favorable/ (Unfavorable)**

|              | Customer<br>Care | External<br>Affairs | Human<br>Resources | Operations/<br>Operation<br>Services | Technology  | General<br>Corporate** | Total      |
|--------------|------------------|---------------------|--------------------|--------------------------------------|-------------|------------------------|------------|
| Total Actual | 8,493,849        | 2,050,684           | 4,386,401          | 17,151,177                           | 7,564,890   | 5,489,554              | 45,136,555 |
| Total Budget | 13,112,711       | 3,164,711           | 3,717,349          | 15,348,417                           | 5,615,530   | 10,918,649             | 51,877,367 |
| Variance     | 4,618,862        | 1,114,027           | (669,052)          | (1,802,760)                          | (1,949,360) | 5,429,095              | 6,740,812  |

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

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

O&M underspend for the three months ended December 31, 2013 is attributable to headcount vacancies within the customer care, external affairs and operations departments as well as favorable bad debt expense and favorable surcharge variances. These favorable variances were partially offset by the timing of vegetation management and transmission planning expenses in the 4<sup>th</sup> quarter and costs associated with the Company's implementation of a new customer care and billing system.

**For the Twelve Months Ended December 31, 2013 (Year-to-date)\***

**Favorable/ (Unfavorable)**

|              | Customer<br>Care | External<br>Affairs | Human<br>Resources | Operations/<br>Operation<br>Services | Technology  | General<br>Corporate** | Total       |
|--------------|------------------|---------------------|--------------------|--------------------------------------|-------------|------------------------|-------------|
| Total Actual | 48,009,201       | 9,363,327           | 14,958,627         | 61,637,653                           | 25,637,230  | 43,741,239             | 203,347,277 |
| Total Budget | 55,765,583       | 11,822,859          | 14,386,709         | 63,112,787                           | 23,323,905  | 44,778,624             | 213,190,467 |
| Variance     | 7,756,382        | 2,459,532           | (571,918)          | 1,475,134                            | (2,313,325) | 1,037,385              | 9,843,190   |

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

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

The year to date O&M underspend is due to headcount vacancies within the customer care, external affairs and operations departments, favorable bad debt expense and favorable surcharge variances. These favorable variances were partially offset with costs associated with higher than budgeted employee benefit 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.**

**For the Three Months Ended December 31, 2013 (Quarter-to-date) \***

**Favorable/ (Unfavorable)**

|              | Customer<br>Care | External<br>Affairs | Human<br>Resources | Operations/<br>Operation Services | Technology  | General<br>Corporate** | Total       |
|--------------|------------------|---------------------|--------------------|-----------------------------------|-------------|------------------------|-------------|
| Total Actual | 564,800          | 5,062               | 3,283,034          | 48,424,381                        | 14,347,459  | 4,912,778              | 71,537,514  |
| Total Budget | 579,099          | 0                   | 3,092,850          | 51,143,744                        | 6,420,510   | 6,815,072              | 68,051,275  |
| Variance     | 14,299           | (5,062)             | (190,184)          | 2,719,363                         | (7,926,949) | 1,902,294              | (3,486,239) |

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

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

**For the Twelve Months Ended December 31, 2013 (Year-to-date) \***

**Favorable/ (Unfavorable)**

|              | Customer<br>Care | External<br>Affairs | Human<br>Resources | Operations/<br>Operation Services | Technology   | General<br>Corporate** | Total       |
|--------------|------------------|---------------------|--------------------|-----------------------------------|--------------|------------------------|-------------|
| Total Actual | 2,759,795        | 9,203               | 10,801,574         | 151,035,472                       | 45,554,799   | 33,413,604             | 243,574,447 |
| Total Budget | 2,712,965        | 0                   | 11,470,657         | 198,187,100                       | 34,408,069   | 28,024,304             | 274,803,095 |
| Variance     | (46,830)         | (9,203)             | 669,083            | 47,151,628                        | (11,146,730) | (5,389,300)            | 31,228,648  |

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

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

The year to date Capital underspend is due to the timing of spend related to a municipal road project, as well as, lower than historical costs associated with customer work, the timing of facilities upgrades, and the timing associated with several system improvement projects.

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).

|                    |                              |              |          |
|--------------------|------------------------------|--------------|----------|
| <b>Telecom</b>     | Electronic Technician        | 10           |          |
|                    | Sr. Electronic Tech          | 10           |          |
|                    | Telecom Splicer/Trouble      | 4            |          |
|                    | Test Table Tech              | 0            |          |
|                    | <b>Total</b>                 | <b>24</b>    |          |
| <b>Substation</b>  | Electrical Equipment Tech    | 20           |          |
|                    | Protection & Control Tech    | 26           |          |
|                    | Sr. Elec. Equipment Tech     | 9            |          |
|                    | <b>Total</b>                 | <b>55</b>    |          |
| <b>Underground</b> | Journey Apprentice           | 4            |          |
|                    | Driver Helper                | 0            |          |
|                    | UG Inspector                 | 7            |          |
|                    | Journey UG Splicer           | 19           |          |
|                    | Sr. UG Splicer               | 7            |          |
|                    | UG Cable Tester/Installer    | 4            |          |
|                    | Sr. UG Mechanic              | 2            |          |
|                    | Network Operator             | 11           |          |
|                    | <b>Total</b>                 | <b>54</b>    |          |
| <b>Overhead</b>    | Apprentice T&D               | 52           |          |
|                    | Rigger Specialist            | 5            |          |
|                    | Equipment Attendant          | 1            |          |
|                    | Equipment Material Handler   | 3            |          |
|                    | Field Inspector              | 3            |          |
|                    | Journey Lineworker           | 84           |          |
|                    | Restricted HS Lineworker     | 15           |          |
|                    | Rigger Crew Leader           | 1            |          |
|                    | Service Crew Leader          | 3            |          |
|                    | Shop Mechanic 2 Rigger       | 0            |          |
|                    | Yard Group Leader            | 4            |          |
|                    | Sr. Lineworker               | 53           |          |
|                    | Distribution Tech            | 9            |          |
|                    | <b>Total</b>                 | <b>233</b>   |          |
|                    | <b>Street Light Changers</b> | <b>Total</b> | <b>6</b> |
|                    | <b>Mobile Worker</b>         | <b>Total</b> | <b>3</b> |

(e)(9) (Continued)

|  |                         |              |
|--|-------------------------|--------------|
| <b>Engineering</b>                       | Drafter                 | 0            |
|  | General Clerk - Grad    | 13           |
|  | General Technician      | 0            |
|  | GIS Technician          | 5            |
|  | Head File Record Clerk  | 1            |
|  | Survey Instrument       | 3            |
|  | Right of Way Agent A    | 4            |
|  | Sr. Technician          | 10           |
|  | T&D Mobile Worker       | 7            |
|  | Technician A            | 2            |
|  | Technician B            | 6            |
|  | Technician C            | 7            |
|  | Test Technician, Mobile | 6            |
|  | <b>Total</b>            | <b>64</b>    |
| <b>Service Center Technician</b>         | Sr. Technician          | 7            |
|  | Technician              | 1            |
|  | <b>Total</b>            | <b>8</b>     |
| <b>Traveling Operator/Troubleshooter</b> | Senior Operator         | 30           |
|  | Traveling Operator      | 5            |
|  | Troubleshooter 1/C      | 5            |
|  | Troubleshooter          | 14           |
| <b>Total</b>                             | <b>54</b>               |              |
| <b>Load Dispatcher</b>                   | <b>Total</b>            | <b>11</b>    |
| <b>Meter Technician</b>                  | Meter Technician        | 4            |
|  | Sr. Meter Technician    | 26           |
|  | <b>Total</b>            | <b>30</b>    |
| <b>Meter Reader</b>                      | <b>Total</b>            | <b>13</b>    |
| <b>Customer Service Representatives</b>  | Autodialing Operator    | 8            |
|  | Customer Service Rep    | 108          |
|  | Word Processing Clerk   | 2            |
|  | Sr. Customer Service    | 5            |
|  | Telephone Switchboard   | 0            |
| <b>Total</b>                             | <b>123</b>              |              |
| <b>Admin/Supervisory/Mgmt</b>            | <b>Total</b>            | <b>423</b>   |
| <b>TOTAL</b>                             | <b>TOTAL</b>            | <b>1,101</b> |

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

(Confidential information highlighted)

**4th Quarter 2013**

Contractor Dollars:  
Contractor Hours:

**YTD 2013**

Contractor Dollars:  
Contractor Hours:

(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 2013**

| Month    | Accepts | Refusals | Total | Percentage |
|----------|---------|----------|-------|------------|
| October  | 68      | 104      | 172   | 40%        |
| November | 145     | 202      | 347   | 42%        |
| December | 151     | 231      | 382   | 40%        |

**Amount of Time it Takes to Obtain the Necessary Personnel – 4th Quarter 2013**

| Month                   | Total Callout Events | Necessary Personnel Accepting | Average Minutes:Seconds per Callout Event | Average Minutes:Seconds per Individual called |
|-------------------------|----------------------|-------------------------------|---|---|
| October                 | 33                   | 70                            | 5:01                                      | 1:21  |
| November                | 44                   | 146                           | 4:31                                      | 1:21  |
| December                | 60                   | 151                           | 5:21                                      | 1:22  |
| <b>4th Quarter 2013</b> | <b>137</b>           | <b>367</b>                    | <b>4:59</b>                               | <b>1:21</b>                                   |
| <b>2013 YTD</b>         | <b>599</b>           | <b>1,680</b>                  | <b>4:28</b>                               | <b>1:20</b>                                   |

**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 | Circuit Connected KVA | Last Outage | Total Ckt KVA-Minutes | Total Ckt KVA Interrupted | SAIDI | SAIFI | CAIDI |
|---------|--------------|----------------|-------------|----------|-----------------------|-------------|-----------------------|---------------------------|-------|-------|-------|
| 22869   | Midland-CFry | Raccoon        | R100-131571 | 5        | 37,666                | 11/01/13    | 23,133,807            | 121,463                   | 614   | 3.22  | 190   |
| 4517    | Sandy Creek  | Penn Hills     | BKR         | 5        | 6,195                 | 09/09/13    | 4,174,975             | 39,874                    | 674   | 6.44  | 105   |
| 4279    | Squaw Run    | Edison         | BKR         | 5        | 3,767                 | 07/10/13    | 5,399,469             | 19,355                    | 1,433 | 5.14  | 279   |
| 23716   | Pine Creek   | Edison         | BKR         | 4        | 30,534                | 12/19/13    | 2,442,123             | 48,371                    | 80    | 1.58  | 50    |
| 23922   | Logans Ferry | Penn Hills     | EA161       | 4        | 17,005                | 10/09/13    | 1,407,750             | 22,597                    | 83    | 1.33  | 62    |
| 23701   | North        | Edison         | BKR         | 4        | 16,740                | 09/12/13    | 7,608,119             | 40,515                    | 454   | 2.42  | 188   |
| 4852    | Conway       | Raccoon        | BKR         | 4        | 1,754                 | 09/12/13    | 1,191,364             | 9,297                     | 679   | 5.30  | 128   |
| 23640   | Midland      | Raccoon        | BKR         | 4        | 27,835                | 08/18/13    | 9,265,519             | 72,300                    | 333   | 2.60  | 128   |
| 23867   | Wildwood     | Edison         | R100-134629 | 4        | 27,955                | 07/16/13    | 9,195,510             | 34,413                    | 329   | 1.23  | 267   |
| 23950   | Wilkinsburg  | Penn Hills     | BKR         | 4        | 16,413                | 07/16/13    | 7,719,816             | 101,154                   | 470   | 6.16  | 76    |
| 23690   | B.I.         | Preble         | WA395       | 3        | 22,182                | 03/27/13    | 2,146,428             | 32,929                    | 97    | 1.48  | 65    |
| 23705   | North        | Edison         | BKR + WA441 | 3+3      | 26,540                | 12/15/13    | 10,845,630            | 64,980                    | 409   | 2.45  | 167   |

| Circuit | Name          | Service Center | Device      | Lockouts | Circuit Connected KVA | Last Outage | Total Ckt KVA-Minutes | Total Ckt KVA Interrupted | SAIDI | SAIFI | CAIDI |
|---------|---------------|----------------|-------------|----------|-----------------------|-------------|-----------------------|---------------------------|-------|-------|-------|
| 23862   | Wilson        | McKeesport     | EA663       | 3        | 40,616                | 07/17/13    | 11,217,749            | 46,793                    | 276   | 1.15  | 240   |
| 4423    | Spring Garden | Preble         | BKR         | 3        | 3,482                 | 06/28/13    | 2,595,727             | 16,618                    | 745   | 4.77  | 156   |
| 4136    | Eastwood      | Penn Hills     | BKR         | 3        | 3,697                 | 06/25/13    | 804,862               | 15,704                    | 218   | 4.25  | 51    |
| 4135    | Eastwood      | Penn Hills     | BKR         | 3        | 2,293                 | 06/25/13    | 476,835               | 7,843                     | 208   | 3.42  | 61    |
| 4138    | Robinson      | Penn Hills     | BKR         | 3        | 1,062                 | 06/25/13    | 227,268               | 3,186                     | 214   | 3.00  | 71    |
| 4139    | Robinson      | Penn Hills     | BKR         | 3        | 1,672                 | 06/25/13    | 167,200               | 3,344                     | 100   | 2.00  | 50    |
| 4718    | Sheffield     | Raccoon        | R100-185330 | 3        | 5,198                 | 04/24/13    | 391,573               | 6,433                     | 75    | 1.24  | 61    |
| 4154    | Long          | Penn Hills     | BKR         | 2        | 4,257                 | 07/16/13    | 8,565,388             | 9,079                     | 2,012 | 2.13  | 943   |
| 4155    | Long          | Penn Hills     | BKR         | 2        | 3,941                 | 07/16/13    | 8,297,643             | 9,366                     | 2,105 | 2.38  | 886   |

**UPS CampusShip: View/Print Label**

1. **Ensure there are no other shipping or tracking labels attached to your package.** Select the Print button on the print dialog box that appears. Note: If your browser does not support this function select Print from the File menu to print the label.
2. **Fold the printed sheet containing the label at the line so that the entire shipping label is visible.** Place the label on a single side of the package and cover it completely with clear plastic shipping tape. Do not cover any seams or closures on the package with the label. Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.

### 3. GETTING YOUR SHIPMENT TO UPS

UPS locations include the UPS Store<sup>®</sup>, UPS drop boxes, UPS customer centers, authorized retail outlets and UPS drivers. Schedule a same day or future day Pickup to have a UPS driver pickup all your CampusShip packages.

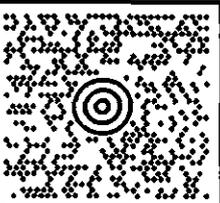
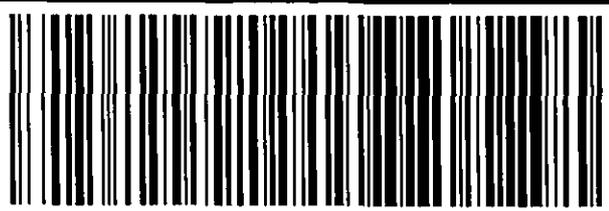
Hand the package to any UPS driver in your area.

Take your package to any location of The UPS Store<sup>®</sup>, UPS Drop Box, UPS Customer Center, UPS Alliances (Office Depot<sup>®</sup> or Staples<sup>®</sup>) or Authorized Shipping Outlet near you. Items sent via UPS Return Services(SM) (including via Ground) are also accepted at Drop Boxes. To find the location nearest you, please visit the Resources area of CampusShip and select UPS Locations.

#### Customers with a Daily Pickup

Your driver will pickup your shipment(s) as usual.

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|  |  |  |   |
|--|--|--|---|
| RIBEKA GARRITY<br>DUQUESNE LIGHT<br>411 SEVENTH AVE<br>PITTSBURGH PA 15219   |  | 0.0 LBS LTR  | 1 OF 1  |
| SHIP TO:<br>ROSEMARY CHIAVETTA, SECRETARY<br>717-772-7777<br>PA PUBLIC UTILITY COMMISSION<br>2ND FLOOR - ROOM N201<br>400 NORTH STREET<br>HARRISBURG PA 17120-0200 |  |  |   |
|   |  | PA 171 9-20<br> |   |
| UPS NEXT DAY AIR SAVER   |  | <b>1P</b>  |   |
| TRACKING #: 1Z A5V 025 NW 9959 2053  |  |  |   |
|    |  |  |   |
| BILLING: P/P<br>ATTENTION UPS DRIVER: SHIPPER RELEASE  |  |  |   |
| Cost Center: 492<br>Reference # 2: 4Q 2013 Reliability Report<br><small>CS 16.C.38. WNTLE80 48.0A 01/2014</small>  |  |  |  |