



An Exelon Company

Richard G. Webster, Jr.
Vice President
Regulatory Policy & Strategy

PECO
2301 Market Street
S15
Philadelphia, PA 19103

Telephone 215.841.5777
Fax 215.841.6208
www.peco.com
dick.webster@peco-energy.com

May 1, 2018

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

Re: PECO 2018 First Quarter Reliability Report PUC Docket No. M-2016-2522508

Dear Secretary Chiavetta:

Enclosed is PECO's 2018 Quarterly Reliability Report for the period ending March 31, 2018 submitted pursuant to the Electric Service Reliability Regulations at 52 Pa. Code Chapter 57.

Because portions of the report contain sensitive and proprietary, PECO is filing two versions of the report, one public and one proprietary. PECO requests that the proprietary report, which has been separated and clearly marked with a "Confidential" header on each page, be kept confidential, pursuant to the Commission Order of March 20, 2006.

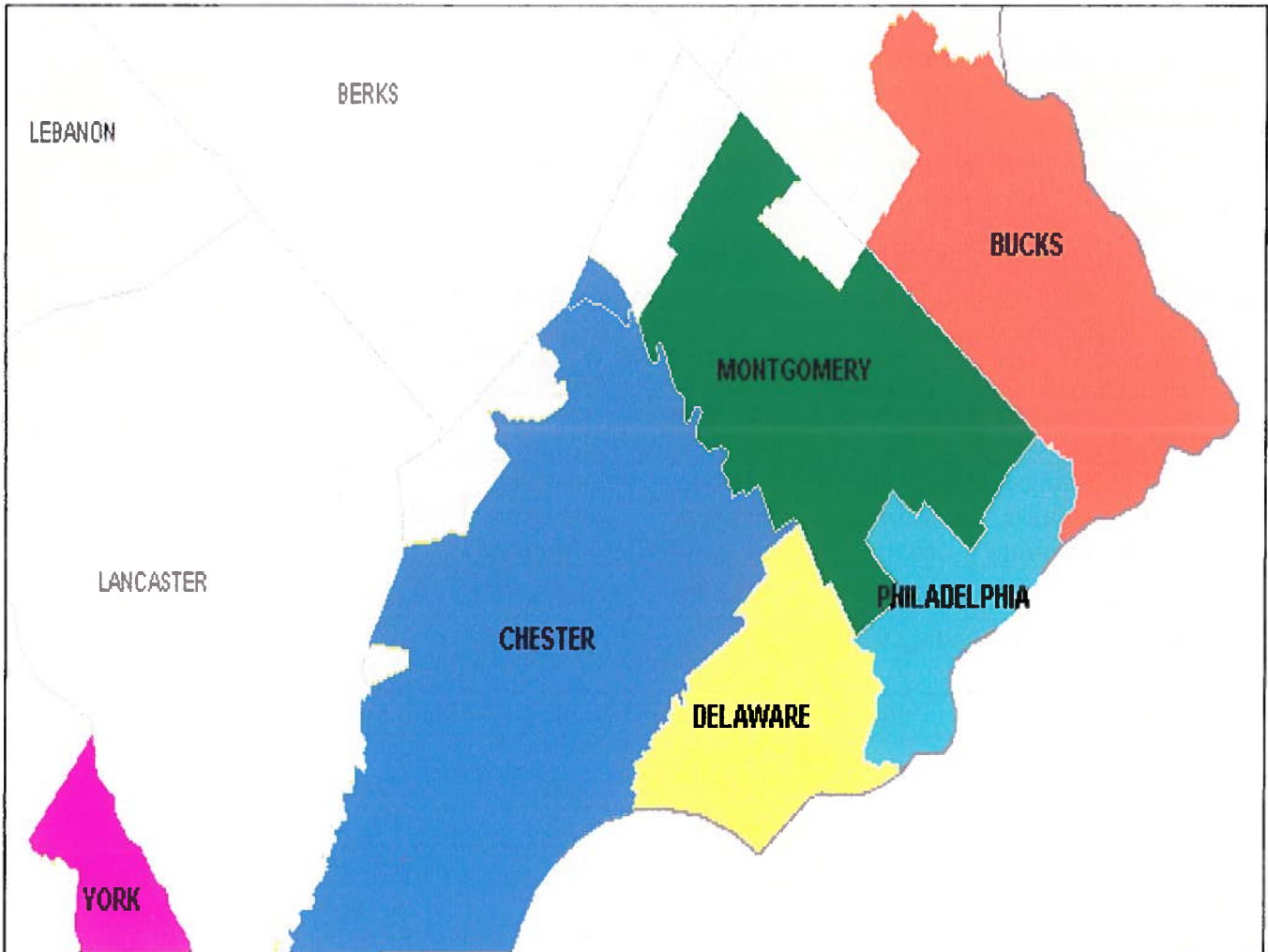
If you have any questions regarding this matter, please call me at 215-841-5777.

Sincerely,

A handwritten signature in black ink, appearing to read "R. Webster", with a long horizontal flourish extending to the right.

Enclosure

PECO Energy Company Quarterly Reliability Report For Period Ending March 31, 2018



May 1, 2018

PECO Energy ("PECO")

Quarterly Reliability Report for the Period Ending March 31, 2018 filed with the Pennsylvania Public Utility Commission.

Submitted per Rulemaking Re: Amending Electric Service, Docket No. M-2016-2522508 Reliability Regulations at 52 Pa.Code Chapter 57

Section 57.195(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."*

PECO experienced two major events in the first quarter of 2018. A wind /snow storm that started on March 2, interrupted service to 603,697 customers. On March 7 a second wind /snow storm entered the service territory and interrupted service to 191,272 customers. Crews from PECO's Exelon sister utility ComEd, located in Illinois; as well as utilities from Texas, Louisiana, Mississippi, Georgia, Arkansas, Florida, Michigan, Ohio, Illinois, Delaware, Maryland, and the Carolinas assisted in PECO's restoration effort. Exclusion requests were filed April 12, 2018.

Section 57.195(e)(2) *"Rolling 12-month reliability index values (SAIFI, CAIDI, SAIDI, and if available, MAIFI) for the EDC'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."*

| PECO Customers | Sustained Customer Interruptions | Sustained Customer Hours | Momentary Customer Interruptions | Sustained Customer Minutes | SAIFI | CAIDI | SAIDI | MAIFI |
|----------------|----------------------------------|--------------------------|----------------------------------|----------------------------|-------|-------|-------|-------|
| 1,639,076 | 1,181,142 | 1,924,533 | 775,574 | 115,471,969 | 0.72 | 98 | 70 | 0.47 |

Data reflects 12 months ending 03/31/2018.

| PECO Benchmarks and Rolling 12-Month Standards | | | | |
|--|-------|-------|-------|-------|
| | SAIFI | CAIDI | SAIDI | MAIFI |
| Benchmark | 1.23 | 112 | 138 | N/A |
| Rolling 12-Month Standard | 1.48 | 134 | 198 | N/A |

SAIFI, CAIDI and SAIDI are below their respective benchmarks and standards established on May 7, 2004. No benchmark or standard was established for MAIFI.

Section 57.195(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 EDC defines its worst performing circuits shall be included."*

PECO's worst performing 5% circuits were selected based on a weighted score combining customer interruptions, customer hours, SAIFI, SAIDI, and CEMI (Customers Experiencing Multiple Interruptions), due to outages on each circuit in a 12- month period. This measure is oriented toward contributions to system SAIFI, SAIDI and CAIDI, and local areas with high outage frequency or duration. In addition, circuits with a history of repeat appearance on worst performing lists were selectively included in the 5% list. Worst circuits and the rolling 12-month reliability index values requested are shown in Appendix A.

Section 57.195(e)(4) “Specific remedial efforts taken and planned for the worst performing 5% of the circuits as identified in paragraph (3).”

Remedial efforts taken or planned to date for PECO’s worst performing 5% of circuits are shown in Appendix B.

Section 57.195(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 included.”

| 12 Months Ending March 31, 2018 | | | | | |
|---------------------------------|-----------------|----------------------|------------------------|-----------------------------|------------------|
| Cause | Service Outages | % of Service Outages | Customer Interruptions | % of Customer Interruptions | Customer Minutes |
| Animal | 1,185 | 10.50% | 34,456 | 2.90% | 2,456,923 |
| Contact/Dig-In | 123 | 1.10% | 15,981 | 1.40% | 1,441,682 |
| Equipment Failure | 4,431 | 39.30% | 467,889 | 39.60% | 44,876,926 |
| Lightning | 309 | 2.70% | 43,066 | 3.60% | 5,556,926 |
| Other | 1,294 | 11.50% | 115,573 | 9.80% | 7,279,715 |
| T&S | 14 | 0.10% | 26,921 | 2.30% | 1,401,841 |
| Unknown | 481 | 4.30% | 52,079 | 4.40% | 3,356,612 |
| Vegetation-Broken/Uprooted | 2,144 | 19.00% | 267,332 | 22.60% | 33,623,797 |
| Vegetation-Ingrowth | 875 | 7.80% | 70,102 | 5.90% | 7,090,874 |
| Vehicles | 416 | 3.70% | 87,743 | 7.40% | 8,386,673 |

*The data supplied is the number of interrupted customers for each interruption event summed for all events, also known as customer interruptions. A customer interrupted by three separate trouble cases represents three customer interruptions, but only one customer interrupted.

The largest contributors to customer interruptions were equipment failure and tree-related interruptions. The leading groups within the equipment failure category were aerial equipment and underground equipment. Equipment is replaced based on observed trends under reliability programs and the System 2020 Long-term Infrastructure Investment Plan. Most customer interruptions caused by trees came from broken branches and tree trunks or uprooted trees (22.6% of all customer interruptions), as opposed to ingrowth (5.9% of all outage customer interruptions). PECO has observed an increase in dead and declining ash trees near its electrical facilities. Emerald ash borers (invasive insects that cause ash tree deaths) are known to be concentrated in the eastern United States and have infested areas across the PECO territory. Limb and tree failures caused by emerald ash borers are expected to increase through this decade and into the next. PECO has begun to address this issue with its current vegetation management programs, and is planning an expanded program to mitigate the threat to its facilities and customer reliability.

Section 57.195(e)(6). *“Quarterly and year to date information on progress toward meeting transmission and distribution inspection and maintenance goals /objectives” (For First, Second and Third Quarter reports only).”*

| Predictive and Preventive Maintenance Program – status as of 3/31/2018 | | | | | |
|---|-------------------------------|----------|-----------|----------|--------------------|
| | 1 st Quarter Tasks | | YTD Tasks | | 2018 Total Planned |
| | Planned | Complete | Planned | Complete | |
| Recloser Inspections (Number of reclosers inspected) | 83 | 75 | 83 | 75 | 216 |
| Circuit Patrol & Thermography (Number of circuits patrolled) | 350 | 354 | 350 | 354 | 972 |
| Pole Inspections (Number of poles visually inspected) | 5,277 | 10,599 | 5,277 | 10,599 | 32,833 |
| Padmount Transformers (Number of transformers visually inspected) | 2,026 | 1,676 | 2,026 | 1,676 | 9,617 |
| Below Ground Transformers (Number of transformers visually inspected) | 624 | 386 | 624 | 386 | 1,627 |
| Substations (Number of substations inspections performed (e.g. visual inspection, reading of currents, voltages, temperature etc.) for a variety of substation components) | 336 | 354 | 336 | 354 | 1,340 |
| Unit Substations (Number of unit substations inspections performed (e.g. visual inspection, reading of currents, voltages, temperature etc.) for a variety of substation components) | 757 | 798 | 757 | 798 | 3,030 |

| Vegetation Management Preventive Maintenance Program – status as of 3/31/18 | | | | | |
|---|-------------------------------|----------|-----------|----------|--------------------|
| | 1 st Quarter Miles | | YTD Miles | | 2018 Total Planned |
| | Planned | Complete | Planned | Complete | |
| Distribution Lift and Manual Trimming | 673 | 697 | 673 | 697 | 2,816* |
| Transmission Trimming and Removals | 48 | 44 | 48 | 44 | 193 |

*First Quarter Completed miles include 273 of 2018 miles that were previously trimmed on an accelerated basis in 2017.

Section 57.195(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 first, second and third quarter reports only.)*

| \$Millions | Budgeted 1 st Quarter | Actual 1 st Quarter | Budgeted Year-to-Date | Actual Year-to-Date |
|--------------------------|-------------------------------------|-----------------------------------|--------------------------|------------------------|
| New Business Connections | \$0.60 | \$0.70 | \$0.60 | \$0.70 |
| Capacity Expansion | \$0.20 | \$0.10 | \$0.20 | \$0.10 |
| System Performance | \$14.80 | \$9.80 | \$14.80 | \$9.80 |
| Facility Relocation | \$0.30 | \$0.80 | \$0.30 | \$0.80 |
| Maintenance | \$46.10 | \$50.80 | \$46.10 | \$50.80 |
| Total | \$62.00 | \$62.20 | \$62.00 | \$62.20 |

Section 57.195(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 first, second and third quarter reports only.)*

| \$Millions | Budgeted 1 st Quarter | Actual 1 st Quarter | Budgeted Year-to-Date | Actual Year-to-Date |
|--------------------------|-------------------------------------|-----------------------------------|--------------------------|------------------------|
| New Business Connections | \$11.70 | \$11.00 | \$11.70 | \$11.00 |
| Capacity Expansion | \$13.90 | \$15.00 | \$13.90 | \$15.00 |
| System Performance | \$45.20 | \$42.90 | \$45.20 | \$42.90 |
| Facility Relocation | \$4.30 | \$3.20 | \$4.30 | \$3.20 |
| Maintenance | \$25.60 | \$28.80 | \$25.60 | \$28.80 |
| Total | \$100.70 | \$100.90 | \$100.70 | \$100.90 |

Section 57.195(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., lineman, technician and electrician).”*

PECO’s full-time trade staff as of March 31, 2018 was as follows:

| | |
|--|-----|
| Aerial Lineman | 393 |
| Underground Lineman (Include UTS) | 65 |
| Transmission / Substation Mechanics, Operators | 104 |
| Energy Technicians | 91 |
| Aerial Foreman | 66 |
| Underground Foreman | 17 |
| Transmission / Substation Foreman | 30 |
| ET Foreman | 5 |
| Distribution Mech Apprentice | 7 |
| Total | 778 |

Contact Persons:

Brian Crowe
 Vice President Transmission and Substations
 (215) 841-5316
brian.crowe@peco-energy.com

Dick Webster
 Vice President Regulatory Policy & Strategy
 (215) 841-577
dick.webster@peco-energy.com

Appendix A
Rolling 12- month reliability index values for 5% worst performing circuits

| CIRCUIT | CUSTOMERS ON CIRCUIT | 12 Month Rolling Circuit SAIFI | 12 Month Rolling Circuit CAIDI | 12 Month Rolling Circuit SAIDI | 12 Month Rolling Circuit MAIFI | 12 Month Rolling Customers Interrupted | 12 Month Rolling Customer Hours | 12 Month Rolling Momentary Customers Interrupted |
|------------------|----------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--|---------------------------------|--|
| BALA_133 | 1472 | 3.5 | 87 | 304 | 0.74 | 5152 | 7446 | 1092 |
| BETHAYRES_002 | 499 | 1.44 | 207 | 298 | 0 | 718 | 2480 | 0 |
| BETHAYRES_135 | 747 | 0.75 | 96 | 71 | 0 | 557 | 888 | 0 |
| BETZWOOD_351 | 1214 | 1.78 | 53 | 94 | 0.08 | 2166 | 1898 | 95 |
| BLUE_GRASS_141 | 1557 | 1.47 | 127 | 187 | 0.32 | 2290 | 4847 | 503 |
| BOYD_000 | 436 | 4.08 | 84 | 344 | 1.03 | 1780 | 2502 | 449 |
| BRYN_MAWR_132 | 1130 | 2.48 | 54 | 133 | 0.15 | 2801 | 2505 | 170 |
| BRYN_MAWR_143 | 211 | 1.65 | 250 | 413 | 0 | 348 | 1451 | 0 |
| BRYN_MAWR_146 | 886 | 2.03 | 58 | 118 | 1.08 | 1800 | 1748 | 955 |
| BUCKINGHAM_343 | 1941 | 0.88 | 92 | 82 | 0.8 | 1715 | 2638 | 1554 |
| BUCKINGHAM_346 | 2727 | 2.19 | 70 | 153 | 0.25 | 5962 | 6968 | 669 |
| BUCKINGHAM_351 | 1895 | 1.96 | 58 | 114 | 1.09 | 3716 | 3614 | 2061 |
| BYBERRY_132 | 723 | 2.31 | 94 | 218 | 1.08 | 1672 | 2631 | 780 |
| CABOT_002 | 318 | 1.25 | 161 | 200 | 1 | 396 | 1060 | 318 |
| CEDARBROOK_131 | 1008 | 0.38 | 288 | 109 | 0.01 | 383 | 1840 | 6 |
| CEDARBROOK_136 | 584 | 1.27 | 111 | 141 | 0 | 740 | 1368 | 0 |
| CHALFONT_003 | 481 | 3.41 | 56 | 189 | 5.75 | 1638 | 1517 | 2768 |
| COOPER_371 | 92 | 1.55 | 337 | 523 | 1.32 | 143 | 803 | 121 |
| CONCORD_347 | 1594 | 1.44 | 81 | 116 | 1.52 | 2290 | 3078 | 2415 |
| CONCORD_348 | 1513 | 0.68 | 81 | 55 | 0.89 | 1024 | 1385 | 1341 |
| CONCORD_351 | 1824 | 1.95 | 90 | 176 | 5.08 | 3552 | 5352 | 9265 |
| CONCORD_352 | 752 | 2.24 | 140 | 313 | 0.62 | 1681 | 3926 | 465 |
| CORNOG_001 | 465 | 0.05 | 156 | 7 | 1 | 22 | 57 | 463 |
| DALEVILLE_342 | 650 | 1.25 | 192 | 240 | 1.7 | 812 | 2595 | 1102 |
| EDDINGTON_132 | 1316 | 2.06 | 93 | 192 | 0.44 | 2713 | 4215 | 583 |
| ELLWOOD_001 | 804 | 4.04 | 97 | 391 | 0 | 3247 | 5246 | 0 |
| EMILIE_131 | 399 | 2.22 | 85 | 188 | 0.61 | 884 | 1250 | 243 |
| EMILIE_132 | 1290 | 1.92 | 63 | 121 | 1.13 | 2474 | 2610 | 1464 |
| FERRY_001 | 515 | 1.03 | 651 | 667 | 0.45 | 528 | 5728 | 230 |
| FLINT_144 | 842 | 2.33 | 123 | 287 | 1.69 | 1959 | 4022 | 1421 |
| FLINT_147 | 159 | 6.37 | 101 | 645 | 1.85 | 1013 | 1710 | 294 |
| FOX_CHASE_131 | 1674 | 1.08 | 53 | 57 | 1 | 1807 | 1588 | 1667 |
| FOX_CHASE_133 | 889 | 1.63 | 110 | 179 | 0.82 | 1446 | 2651 | 728 |
| FURNACE_000 | 517 | 3.33 | 337 | 1120 | 0.05 | 1720 | 9647 | 24 |
| GLADWYNE_133 | 594 | 4.77 | 701 | 3344 | 1.54 | 2835 | 33106 | 916 |
| GOSHEN_343 | 2538 | 0.91 | 66 | 60 | 1.33 | 2298 | 2543 | 3373 |
| GROVE_000 | 618 | 3.52 | 126 | 443 | 0.12 | 2173 | 4560 | 76 |
| HARVEY_001 | 365 | 0.6 | 159 | 95 | 0.23 | 218 | 576 | 85 |
| HOLLOW_000 | 661 | 3.14 | 74 | 234 | 0 | 2075 | 2573 | 0 |
| HOLMESBURG_141 | 879 | 1.98 | 117 | 231 | 0.01 | 1737 | 3385 | 13 |
| HUNTING_PARK_051 | 796 | 0.1 | 29 | 3 | 0.06 | 76 | 37 | 48 |
| ISLAND_ROAD_136 | 1569 | 2.74 | 153 | 421 | 0.21 | 4304 | 11002 | 336 |

| CIRCUIT | CUSTOMERS ON CIRCUIT | 12 Month Rolling Circuit SAIFI | 12 Month Rolling Circuit CAIDI | 12 Month Rolling Circuit SAIDI | 12 Month Rolling Circuit MAIFI | 12 Month Rolling Customers Interrupted | 12 Month Rolling Customer Hours | 12 Month Rolling Momentary Customers Interrupted |
|-----------------|----------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--|---------------------------------|--|
| JARRETT_135 | 579 | 1.26 | 221 | 279 | 0.18 | 729 | 2689 | 105 |
| JENKINTOWN_131 | 1251 | 1.28 | 116 | 149 | 1.6 | 1607 | 3109 | 1997 |
| JENKINTOWN_132 | 1049 | 2.81 | 121 | 339 | 1.74 | 2950 | 5931 | 1826 |
| JENKINTOWN_136 | 1845 | 2.15 | 67 | 144 | 0.25 | 3959 | 4420 | 456 |
| JENKINTOWN_148 | 1457 | 2.19 | 68 | 148 | 0.48 | 3191 | 3590 | 694 |
| KERBAUGH_009 | 763 | 0.44 | 69 | 30 | 0 | 334 | 383 | 0 |
| KEYS_004 | 205 | 1.21 | 306 | 371 | 0.44 | 249 | 1268 | 90 |
| KEYS_005 | 485 | 2.11 | 281 | 593 | 5.12 | 1024 | 4790 | 2482 |
| KIMBERTON_004 | 516 | 2.16 | 63 | 137 | 0.99 | 1116 | 1178 | 511 |
| LANTERN_000 | 503 | 2.29 | 75 | 172 | 1.03 | 1152 | 1443 | 519 |
| LENAPE_342 | 1831 | 2.85 | 75 | 213 | 2.65 | 5221 | 6504 | 4854 |
| LENAPE_351 | 1731 | 6.15 | 93 | 575 | 5.11 | 10650 | 16586 | 8854 |
| LINE_109_00 | 418 | 1.33 | 170 | 225 | 0 | 554 | 1567 | 0 |
| LINE_2273 | 242 | 3.97 | 99 | 394 | 0.02 | 961 | 1590 | 4 |
| LINE_2288 | 339 | 3.07 | 97 | 299 | 0 | 1041 | 1688 | 0 |
| LINE_2352 | 867 | 1.06 | 112 | 118 | 0 | 917 | 1705 | 0 |
| LINE_2448 | 51 | 0.92 | 71 | 65 | 0 | 47 | 56 | 0 |
| LINE_2671 | 1480 | 0.05 | 79 | 4 | 0.04 | 67 | 88 | 66 |
| LINE_2781 | 991 | 1.13 | 39 | 45 | 0.07 | 1122 | 736 | 67 |
| LINE_3200EM | 85 | 2.59 | 95 | 245 | 0.05 | 220 | 347 | 4 |
| LINE_3308NT | 1710 | 2.24 | 114 | 257 | 0.09 | 3838 | 7318 | 146 |
| LINE_3340 | 927 | 1.46 | 51 | 75 | 0 | 1356 | 1163 | 0 |
| LINE_6000 | 14 | 2.86 | 175 | 499 | 0 | 40 | 116 | 0 |
| LINE_6300HE | 20 | 4 | 142 | 569 | 4 | 80 | 190 | 80 |
| LINE_708 | 1313 | 2.03 | 37 | 75 | 0 | 2666 | 1631 | 0 |
| LINE_800CR | 1813 | 3.03 | 127 | 386 | 1.07 | 5493 | 11655 | 1945 |
| LINE_9600 | 453 | 2.92 | 201 | 587 | 2 | 1322 | 4432 | 907 |
| LINTON_341 | 2716 | 1.49 | 61 | 91 | 0.64 | 4047 | 4098 | 1730 |
| LLANERCH_144 | 1668 | 3.32 | 60 | 199 | 1 | 5542 | 5545 | 1670 |
| MACDADE_137 | 1962 | 1.9 | 65 | 124 | 0.47 | 3732 | 4047 | 920 |
| MACDADE_146 | 1897 | 2.67 | 55 | 147 | 2.45 | 5057 | 4643 | 4649 |
| MARSHALLTON_001 | 725 | 3.72 | 150 | 559 | 0.39 | 2698 | 6753 | 281 |
| MIDDLETOWN_132 | 1682 | 0.78 | 74 | 57 | 0.22 | 1311 | 1612 | 374 |
| MIDDLETOWN_141 | 1182 | 3.28 | 80 | 263 | 0.81 | 3881 | 5187 | 959 |
| MIDDLETOWN_142 | 1370 | 2.01 | 51 | 103 | 2.52 | 2757 | 2358 | 3447 |
| MIDDLETOWN_143 | 1578 | 1.68 | 51 | 86 | 0.37 | 2656 | 2256 | 585 |
| MIDDLETOWN_349 | 1947 | 1.67 | 106 | 177 | 1.83 | 3251 | 5737 | 3557 |
| MOON_008 | 556 | 2.12 | 134 | 284 | 2 | 1176 | 2635 | 1110 |
| MORRISVILLE_012 | 791 | 2.02 | 80 | 161 | 0 | 1599 | 2121 | 0 |
| MORTON_142 | 1276 | 0.66 | 174 | 114 | 0.42 | 839 | 2428 | 542 |
| MORWOOD_000 | 679 | 1.21 | 91 | 109 | 1.04 | 819 | 1236 | 705 |
| MOSER_342 | 2147 | 1.53 | 136 | 208 | 0.05 | 3292 | 7440 | 103 |
| NESHAMINY_165 | 809 | 1.96 | 76 | 149 | 0.38 | 1585 | 2010 | 305 |
| NEW_HOPE_001 | 490 | 1.4 | 154 | 216 | 1.02 | 687 | 1766 | 499 |
| NEW_HOPE_002 | 611 | 3.05 | 85 | 261 | 1 | 1865 | 2654 | 611 |
| NEWLINVILLE_342 | 2003 | 0.94 | 33 | 31 | 1 | 1888 | 1036 | 1998 |
| NEWLINVILLE_351 | 1356 | 0.89 | 78 | 69 | 1.09 | 1201 | 1560 | 1473 |

| CIRCUIT | CUSTOMERS ON CIRCUIT | 12 Month Rolling Circuit SAIFI | 12 Month Rolling Circuit CAIDI | 12 Month Rolling Circuit SAIDI | 12 Month Rolling Circuit MAIFI | 12 Month Rolling Customers Interrupted | 12 Month Rolling Customer Hours | 12 Month Rolling Momentary Customers Interrupted |
|-------------------|----------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--|---------------------------------|--|
| NEWLINVILLE_361 | 911 | 2.03 | 200 | 406 | 0.58 | 1848 | 6159 | 525 |
| NEWTOWN_SQUAR_144 | 1501 | 2.68 | 64 | 173 | 0.92 | 4028 | 4325 | 1376 |
| NORTH_OXFORD_002 | 823 | 1.79 | 152 | 272 | 1.57 | 1474 | 3736 | 1295 |
| NORTH_WALES_363 | 3324 | 1.72 | 96 | 166 | 0.51 | 5729 | 9173 | 1684 |
| NORTH_WALES_371 | 1615 | 1.92 | 48 | 91 | 0.4 | 3096 | 2456 | 643 |
| PARRISH_132 | 1250 | 1.84 | 47 | 86 | 0.38 | 2303 | 1794 | 475 |
| PARRISH_143 | 1054 | 1.13 | 96 | 109 | 0 | 1195 | 1919 | 0 |
| PERKIOMEN_341 | 1298 | 1.23 | 73 | 90 | 4.12 | 1599 | 1949 | 5344 |
| PERKIOMEN_342 | 3172 | 2.11 | 30 | 62 | 1.01 | 6688 | 3295 | 3203 |
| PLYMOUTH_133 | 95 | 1.22 | 167 | 204 | 0 | 116 | 324 | 0 |
| PLYMOUTH_161 | 303 | 2.19 | 169 | 370 | 0 | 664 | 1866 | 0 |
| PULASKI_137 | 625 | 1.42 | 82 | 117 | 2.16 | 887 | 1218 | 1347 |
| ROXBOROUGH_135 | 1314 | 2.11 | 51 | 108 | 0.1 | 2766 | 2362 | 137 |
| TACONY_136 | 1082 | 3.76 | 55 | 205 | 0.29 | 4068 | 3702 | 314 |
| TOKENA_001 | 163 | 1.19 | 25 | 30 | 1.08 | 194 | 81 | 176 |
| UPPER_DARBY_139 | 2321 | 0.89 | 117 | 104 | 0.09 | 2056 | 4006 | 203 |
| WARRINGTON_341 | 2277 | 2.53 | 71 | 180 | 2.64 | 5751 | 6828 | 6009 |
| WAYNE_131 | 972 | 2.75 | 168 | 462 | 3.62 | 2670 | 7487 | 3516 |
| WAYNE_142 | 824 | 4.56 | 54 | 247 | 0.14 | 3756 | 3396 | 114 |
| WAYNE_146 | 548 | 3.09 | 93 | 288 | 0.03 | 1691 | 2628 | 18 |
| WHITEMARSH_141 | 1141 | 2.66 | 127 | 337 | 2.14 | 3032 | 6415 | 2447 |
| WRIGHT_000 | 400 | 3.1 | 136 | 422 | 0.66 | 1239 | 2814 | 265 |

The data supplied is the number of interrupted customers for each interruption event summed for all events, also known as customer interruptions. If a customer is interrupted by three separate trouble cases, they represent three customer interruptions, but only one customer interrupted.

Appendix B

Remedial efforts taken and planned for 5% worst performing circuits as of 03/31/18

BALA_133

Delaware County

Completed:

Inspected circuit visually and with thermographic camera
Inspected selected areas of circuit for vegetation issues and corrected as needed
Completed reliability corrective workorders
Completed regularly scheduled vegetation trimming

Planned:

Install 3 reclosers
Install tree wire
Inspect / Test relay setting
Complete reliability corrective workorders

BETHAYRES_002

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera
Inspected selected areas of circuit for vegetation issues and corrected as needed
Completed reliability corrective workorders

Planned:

Upgrade cable
Perform regularly scheduled tree clearance
Complete reliability corrective workorders
Update recloser settings

BETHAYRES_135

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera
Inspected selected areas of circuit for vegetation issues and corrected as needed
Completed reliability corrective workorders

Planned:

Perform regularly scheduled tree clearance
Replace recloser
Install tree wire
Replace cable
Upgrade secondary wire

BETZWOOD_351

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera
Inspected selected areas of circuit for vegetation issues and corrected as needed
Completed reliability corrective workorders

Planned:

Remedial efforts completed

BLUE GRASS_141

Philadelphia County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned

Complete reliability corrective workorders

BOYD_000

Chester County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Remedial efforts completed

BRYN_MAWR_132

Delaware County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Perform regularly schedule tree clearance

Planned:

Install 2 reclosers

Install tripsaver

Complete reliability corrective work orders

Install wildlife protection

BRYN_MAWR_143

Delaware County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Complete regularly scheduled tree trimming

Completed reliability corrective workorders

Planned:

Upgrade secondary wires

Install additional fuses

Install single phase recloser

Reconfigure underground cables

BRYN_MAWR_146

Delaware County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Complete reliability corrective work orders

Completed regularly scheduled tree trimming

BUCKINGHAM_343

Bucks County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Upgrade wildlife protection

Replaced recloser

Planned:

Remedial efforts completed

BUCKINGHAM_346

Bucks County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Complete reliability corrective workorders

Replace recloser

BUCKINGHAM_351

Bucks County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Complete reliability corrective workorders

BYBERRY_132

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Remedial efforts completed

CABOT_002

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective workorders

Inspected selected areas of circuit for vegetation issues and corrected as needed

Installed additional fuses

Planned:

Remedial efforts completed

CEDARBROOK_131

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Upgrade secondary wires

Planned:

Upgrade fuses

Install switch

Complete reliability corrective workorders

CEDARBROOK_136

Montgomery County

Completed

Inspected circuit visually and with thermographic camera

Completed reliability corrective workorders

Inspect selected areas of circuit for vegetation issues and corrected as needed

Planned:

Complete reliability corrective workorders

Install tree wire

CHALFONT_003

Bucks County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Upgraded secondary wires

Planned:

Remedial efforts completed

CONCORD_347

Delaware County

Completed:

Inspected circuit and with thermographic camera

Inspect selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Upgrade fusing

Installed recloser

Planned:

Remedial efforts completed

CONCORD_348

Delaware County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Upgraded transformers

Tested/ Inspected recloser operation

Planned:

Remedial efforts completed

CONCORD_351

Delaware County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Complete reliability corrective workorders

Install additional lightning protection

Upgrade cable

CONCORD_352

Delaware County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Circuit under analysis

COOPER_371

Chester County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Repaired switch

Planned:

Complete reliability corrective workorders

Circuit Under Analysis

CORNOG_001

Chester County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Upgraded transformer

Planned:

Remedial efforts completed

DALEVILLE_342

Chester County

Completed:

Inspected circuit and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Installed additional transformer

Upgraded lightning protection

Planned:

Remedial efforts completed

EDDINGTON_132

Bucks County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Completed reliability corrective workorders

ELLWOOD_001

Bucks County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Remedial efforts completed

EMILIE_131

Bucks County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Upgraded secondary wires

Planned:

Complete reliability corrective workorders

EMILIE_132

Bucks County

Completed:

Inspected circuit and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Installed trip savers

Planned:

Complete reliability corrective workorders

FERRY_001

Philadelphia County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Complete reliability corrective workorders

FLINT_144

Delaware County

Completed:

Inspected circuit and with thermographic camera

Completed reliability corrective workorders

Performed regularly schedule tree clearance

Planned:

Complete reliability corrective workorders

Install tree wire

Install additional wildlife protection

FLINT_147

Delaware County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Circuit under analysis

FOX_CHASE_131

Philadelphia County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Install 13kV recloser

FOX_CHASE_133

Philadelphia County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Install (2) reclosers

Upgraded fuses

Completed reliability corrective workorders

Planned:

Install tree wire

Complete reliability corrective workorders

FURNACE_000

York County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Upgraded transformer

Planned:

Complete reliability corrective workorders

GLADWYNE_133

Delaware County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Install 3 phase recloser

Complete reliability corrective workorders

GOSHEN_343

Chester County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Complete reliability corrective workorders

GROVE_000

Chester County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Upgraded transformer

Planned:

Complete reliability corrective workorders

HARVEY_001

Delaware County

Completed:

Inspected circuit and with thermographic camera

Completed reliability corrective workorders

Inspected selected areas of circuit for vegetation issues and corrected as needed

Installed additional fuses

Planned:

Complete reliability corrective workorders

HOLLOW_000

Chester County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Upgraded transformer

Planned:

Completed reliability corrective workorders

HOLMESBURG_141

Philadelphia County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Installed additional fuses

Installed additional wildlife protection

Planned:

Install 2-13kv reclosers

HUNTING_PARK_051

Philadelphia County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Remedial efforts completed

ISLAND ROAD_136

Philadelphia County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Upgrade transformer

Planned:

Remedial efforts completed

JAMISON_000

Bucks County

Completed:

Inspected circuit and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Upgraded transformer

Planned:

Remedial efforts completed

JARRETT_135

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Complete reliability corrective workorders

Install 2-3 phase reclosers

JENKINTOWN_131

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Upgraded transformer

Upgraded secondary wires

Tested / Inspected recloser operation

Inject to extended cable life

Planned:

Install wildlife protection

JENKINTOWN_132

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Upgraded secondary wires

Completed reliability corrective workorders

Planned:

Completed reliability corrective workorders

JENKINTOWN_136

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Upgraded secondary wire

Planned:

Install 4 -13kv reclosers

Complete reliability corrective work

JENKINTOWN_148

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Circuit under analysis

KERBAUGH_009

Philadelphia County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Upgraded transformer

Completed reliability corrective workorders

Planned:

Remedial efforts completed

KEYS_004

Bucks County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Remedial efforts completed

KEYS_005

Bucks County

Completed

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Repaired cable

Planned:

Remedial efforts completed

KIMBERTON_004

Chester County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Installed regulator

Planned:

Remedial efforts complete

LANTERN_000

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Remedial efforts complete

LENAPE_342

Chester County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Complete regularly scheduled tree trimming

Tested/ Inspected recloser operation

Repaired test switch operation

Planned:

Complete reliability corrective workorders

LENAPE_351

Chester County

Completed:

Completed reliability corrective workorders

Inspected selected areas of circuit for vegetation issues and corrected as needed

Inspected circuit visually and with thermographic camera

Upgraded transformer

Planned:

Complete reliability corrective workorders

Install additional fusing

LINE_109_00

Bucks County

Completed:

Completed reliability corrective workorders

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Installed wildlife protection

Installed additional fuses

Planned:

Remedial efforts complete

LINE_2273

Philadelphia County

Completed:

Completed reliability corrective workorders

Repaired switch module

Planned:

Remedial efforts complete

LINE_2288

Philadelphia County

Completed:

Completed reliability corrective workorders

Planned:

Circuit under analysis

LINE_2352

Philadelphia County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Complete reliability corrective workorders

LINE_2448

Philadelphia County

Completed:

Completed reliability corrective workorders

Planned:

Remedial efforts complete

LINE_2671

Philadelphia County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Installed wildlife protection

Installed 3 phase recloser

Planned:

Remedial efforts complete

LINE_2781

Philadelphia County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Installed wildlife protection

Upgraded transformer**Planned:**

Complete reliability corrective workorders

Installed 2-3 phase recloser

LINE_3200EM

Bucks County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Tested / Inspected switch operation

Installed 3 phase recloser

Planned:

Complete reliability corrective workorders

LINE_3308NT

Chester County

Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective workorders

Installed 3 phase recloser

Installed lightning protection

Installed wildlife protection

Upgraded transformer

Planned:

Circuit under analysis

LINE_3340

Delaware County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Installed wildlife protection

Replaced recloser

Planned:

Remedial efforts completed

LINE_6000

Bucks County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Install 34kv recloser

Completed reliability corrective workorders

Planned:

Remedial efforts completed

LINE_6300HE

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Upgraded wildlife protection

Completed reliability corrective workorders

Planned:

Complete reliability corrective workorders

LINE_708

Philadelphia County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Upgraded wildlife protection

Planned:

Complete reliability corrective workorders

LINE_800CR

Chester County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Remedial efforts complete

LINE_9600

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Complete reliability corrective workorders

LINTON_341

Bucks County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Replaced recloser

Cable replacement

Upgrade service wires

Planned:

Completed reliability corrective workorders

LLANERCH_144

Delaware County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Install 2- reclosers

Installed trip saver

Upgraded wildlife protection

Planned:

Complete reliability corrective workorders

MACDADE_137

Delaware County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Upgraded wildlife protection

Planned:

Complete reliability corrective workorders

MACDADE_146

Delaware County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Install 1- 3 phase recloser

Install additional fuses

Install additional lightning protection

Complete reliability corrective workorders

MARSHALLTON_001

Chester County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Install express main

Planned:

Complete reliability corrective workorders

MIDDLETOWN_132

Delaware County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Install 2- 3 phase reclosers

MIDDLETOWN_141

Delaware County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Install 2 – 3 phase reclosers

Completed reliability corrective workorders

MIDDLETOWN_142

Delaware County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Complete reliability corrective workorders

MIDDLETOWN_143

Delaware County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Upgraded wire

Completed reliability corrective workorders

Planned:

All reliability corrective tasks completed

MIDDLETOWN_349

Delaware County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Complete reliability corrective workorders

Replace cable

MOON_008

Bucks County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Remedial efforts complete

MORRISVILLE_012

Bucks County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Complete reliability corrective workorders

MORTON_142

Delaware County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Installed tree wire

Planned:

Install 2 – 3 phase reclosers

MORWOOD_000

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Remedial efforts completed

MOSER_342

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective work orders

Planned:

Replace recloser

MOSER_364

Chester County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Installed switch

Planned:

Replace recloser

NESHAMINY_133

Bucks County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Complete reliability corrective workorders

NESHAMINY_165

Bucks County

Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective workorders

Inspected selected areas of circuit for vegetation issues and corrected as needed

Upgraded secondary wires

Planned:

Complete reliability corrective workorders

NEW_HOPE_001

Bucks County

Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective workorders

Inspected selected areas of circuit for vegetation issues and corrected as needed

Planned:

Complete reliability corrective workorders

NEW_HOPE_002

Bucks County

Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective workorders

Inspected selected areas of circuit for vegetation issues and corrected as needed

Planned:

Complete reliability corrective workorders

NEWLINVILLE_342

Chester County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Remedial efforts completed

NEWLINVILLE_351

Chester County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Completed reliability corrective workorders

Replace 1-3phase recloser

Install switch

NEWLINVILLE_361

Chester County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective work orders

Installed single phase recloser

Planned:

Remedial efforts completed

NEWTOWN_SQUAR_144

Delaware County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Install additional wildlife protection

Complete reliability corrective workorders

NORTH_OXFORD_002

Chester County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Remedial efforts completed

NORTH_WALES_371

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Complete reliability corrective workorders

PARRISH_132

Philadelphia County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective work orders

Planned:

Complete reliability corrective work orders

Install 2-3 phase reclosers

PARRISH_143

Philadelphia County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective work orders

Installed wildlife protection

Planned:

Complete reliability corrective work orders

PERKIOMEN_341

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Remedial efforts completed

PERKIOMEN_342

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective workorders

Inspected selected areas of circuit for vegetation issues and corrected as needed

Replaced recloser

Installed 1 -3 phase recloser

Replaced cable

Replaced fuses

Planned:

Complete reliability corrective work orders

PLYMOUTH_133

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective workorders

Inspected selected areas of circuit for vegetation issues and corrected as needed

Replaced fuses

Planned:

Complete reliability corrective work orders

PLYMOUTH_161

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Completed reliability corrective workorders

PULASKI_137

Philadelphia County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Completed reliability corrective workorders

ROXBOROUGH_135

Philadelphia County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective work orders

Planned:

Install 3-3 phase reclosers

Completed reliability corrective work orders

TACONY_136

Philadelphia County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Planned:

Install 2-3 phase reclosers

Complete reliability corrective work orders

TOKENA_001

Chester County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Upgraded lightning protection

Completed reliability corrective workorders

Planned:

Complete reliability corrective work orders

UPPER DARBY_139

Delaware County

Completed:

Inspected circuit visually and with thermographic camera
Inspected selected areas of circuit for vegetation issues and corrected as needed
Upgraded secondary wires
Completed reliability corrective workorders

Planned:

Remedial efforts completed

WARRINGTON_341

Bucks County

Completed:

Inspected circuit visually and with thermographic camera
Inspected selected areas of circuit for vegetation issues and corrected as needed
Completed reliability corrective workorders

Planned:

Complete reliability corrective workorders
Install 3 phase recloser

WAYNE_131

Delaware County

Completed:

Inspected circuit visually and with thermographic camera
Inspected selected areas of circuit for vegetation issues and corrected as needed
Completed reliability corrective workorders
Installed wildlife protection

Planned:

Complete reliability corrective workorders

WAYNE_142

Delaware County

Completed:

Inspected circuit visually and with thermographic camera
Inspected selected areas of circuit for vegetation issues and corrected as needed
Completed reliability corrective workorders

Planned:

Circuit under analysis

WAYNE_146

Delaware County

Completed:

Inspected circuit visually and with thermographic camera
Inspected selected areas of circuit for vegetation issues and corrected as needed
Completed reliability corrective work orders

Planned:

Circuit under analysis

WHITEMARSH_141

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective workorders

Upgraded secondary wires

Loop URD

Planned:

Completed reliability corrective workorders

WRIGHT_000

Bucks County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective work orders

Planned:

Remedial efforts completed

Appendix C

New Business Connections

This work category includes all the facility work required to add a new customer or to increase the load to an existing customer. The facility work will include the facilities required to directly connect the customer to the system and the upgrade/replacement of any existing facility to serve the requested additional load.

Capacity Expansion

This work category includes only capacity work generated by the system design engineer to prevent system failure and to assure the delivery of voltage as specified in the tariff. The addition of new substations and substation enlargements for future load growth will also be included in this project.

System Performance

This work category includes projects designed to upgrade, modify or improve the performance of the distribution system. Also included in this category are indirect costs in support of all categories and one-time accounting adjustment items.

Facility Relocation

This work category includes all requests for relocation of PECO facilities including municipal as well as customer related relocation requests.

Maintenance

This work category includes work performed to repair and restore equipment to its normal state of operation, along with planned preventive maintenance work such as visual and thermographic inspections and tree trimming around transmission and distribution lines.

Storm Funds

Incremental costs (primarily; overtime, contractors, mutual assistance, and meals) incurred while responding to major storms (storms that meet customer outage and duration criteria).