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January 28, 2022

**VIA E-FILING**

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

**Re: PECO 2021 Fourth Quarter Reliability Report PUC Docket No. M-2016-2522508**

Dear Secretary Chiavetta:

Enclosed is PECO's 2021 Quarterly Reliability Report for the period ending December 31, 2021 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.

Due to the ongoing COVID-19 pandemic, PECO's office personnel are working remotely. Accordingly, PECO will not have its usual access to photocopying and U.S. mail, among other services. PECO requests that all communications with PECO be transmitted by email.

Thank you for your assistance in this matter and please direct any questions regarding the above to Richard Schlesinger, Manager, Retail Rates at (215) 841-5771 or via email: rich.schlesinger@peco-energy.com.

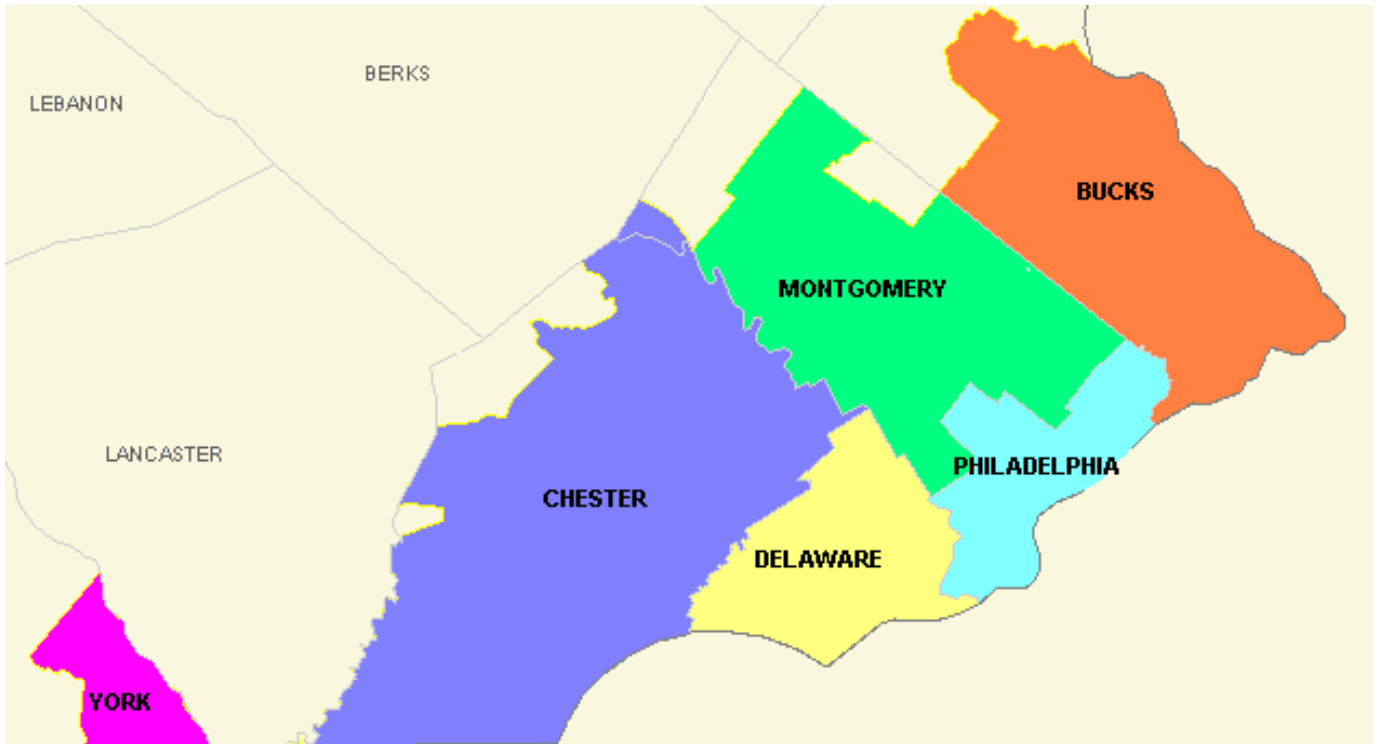
Sincerely,



Enclosure

Cc: John Van Zant (via email only)  
Dan Searfoorce (via email only)

# PECO Energy Company Quarterly Reliability Report For Period Ending December 31, 2021



**January 28, 2022**

**PECO Energy (“PECO”)**

**Quarterly Reliability Report for the Period Ending December 31, 2021 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.”*

In the fourth quarter of 2021, PECO experienced no events that qualified as major events under Pa. Code § 57.192, which specifies that a minimum of 10% of customers must be affected for the event to qualify.

**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 |
|----------------|----------------------------------|--------------------------|----------------------------------|----------------------------|-------|-------|-------|-------|
| 1,678,055      | 1,478,394                        | 4,595,727                | 1,532,454                        | 275,743,622                | 0.88  | 187   | 164   | 0.91  |

Data reflects 12 months ending 12/31/2021.

| 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 is below its Benchmark and Standard; CAIDI is above its Benchmark and Standard; SAIDI is above its Benchmark and below its Standard. Benchmarks and Standards were established on May 7, 2004. No Benchmark or Standard was established for MAIFI. Extended service restoration times caused by storms during the last twelve months, including the remnants of Hurricane Ida, led to high CAIDI and SAIDI.

The following table shows PECO’s reliability index values excluding the interruptions that occurred during the Hurricane Ida remnants. Apart from the effects of Ida, SAIFI and SAIDI would be under their respective Benchmarks and Standards, while CAIDI would be slightly below its Standard and above its Benchmark. Rolling 12-month CAIDI continues to be high due to elevated storm activity in the PECO service territory.

*Reliability Index Values, Excluding Hurricane Ida Remnants\**

| PECO Customers | Sustained Customer Interruptions | Sustained Customer Hours | Momentary Customer Interruptions | Sustained Customer Minutes | SAIFI | CAIDI | SAIDI | MAIFI |
|----------------|----------------------------------|--------------------------|----------------------------------|----------------------------|-------|-------|-------|-------|
| 1,678,055      | 1,316,365                        | 2,931,165                | 1,401,948                        | 175,869,883                | 0.78  | 134   | 105   | 0.84  |

Data reflects 12 months ending 12/31/2021.

\* PECO's service territory was substantially affected by remnants of Hurricane Ida in the 3rd Quarter 2021, which caused downed tree limbs on power lines, tornados, and flooding which interrupted electric service to 164,989 customers (9.85% of PECO customers). Exclusion of the Hurricane Ida event was not requested; however, reliability index values were reported in the 3rd quarter report both with and without the impacts of Ida. PECO is presenting reliability index values in this 4th quarter report in a similar manner.

**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 and, to a lesser extent, in the prior 24 months. 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 December 31, 2021 |                 |                      |                        |                             |                  |
|------------------------------------|-----------------|----------------------|------------------------|-----------------------------|------------------|
| Cause                              | Service Outages | % of Service Outages | Customer Interruptions | % of Customer Interruptions | Customer Minutes |
| Animal                             | 1,146           | 9.0%                 | 35,568                 | 2.4%                        | 2,147,895        |
| Contact/Dig-In                     | 177             | 1.4%                 | 23,475                 | 1.6%                        | 2,049,450        |
| Equipment Failure                  | 5,035           | 39.6%                | 509,444                | 34.5%                       | 55,048,738       |
| Lightning                          | 465             | 3.7%                 | 48,038                 | 3.2%                        | 8,169,203        |
| Other                              | 546             | 4.3%                 | 86,978                 | 5.9%                        | 14,244,382       |
| T&S                                | 21              | 0.2%                 | 83,715                 | 5.7%                        | 43,916,344       |
| Unknown                            | 469             | 3.7%                 | 68,715                 | 4.6%                        | 5,450,984        |
| Vegetation-Broken/Uprooted         | 3,888           | 30.6%                | 506,687                | 34.3%                       | 128,111,878      |
| Vegetation-Ingrowth                | 538             | 4.2%                 | 44,830                 | 3.0%                        | 10,843,922       |
| Vehicles                           | 424             | 3.3%                 | 70,944                 | 4.8%                        | 5,760,825        |

\*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. Outages due to equipment and trees are being addressed through PECO’s Long-term Infrastructure Improvement Plans and other reliability programs. Most customer interruptions caused by trees came from broken branches and tree trunks or uprooted trees (34.3% of all customer interruptions), as opposed to ingrowth (3.0% of all outage customer interruptions). PECO continues to address ash tree failures caused by emerald ash borers (invasive insects that cause ash tree deaths) with a vegetation management program to mitigate the threat to its facilities and customer reliability. Note that Hurricane Ida remnants caused an increase in nearly all categories of customer interruption causes, particularly in vegetation events. (See table below for an outage cause breakdown without interruptions from Hurricane Ida remnants.)

*Outage Causes, Excluding Hurricane Ida Remnants\**

| 12 Months Ending December 31, 2021 |                 |                      |                        |                             |                  |
|------------------------------------|-----------------|----------------------|------------------------|-----------------------------|------------------|
| Cause                              | Service Outages | % of Service Outages | Customer Interruptions | % of Customer Interruptions | Customer Minutes |
| Animal                             | 1,138           | 9.6%                 | 35,568                 | 2.7%                        | 2,147,895        |
| Contact/Dig-In                     | 177             | 1.5%                 | 23,475                 | 1.8%                        | 2,049,450        |
| Equipment Failure                  | 4,868           | 41.0%                | 480,805                | 36.5%                       | 44,625,046       |
| Lightning                          | 442             | 3.7%                 | 41,946                 | 3.2%                        | 4,774,937        |
| Other                              | 429             | 3.5%                 | 86,268                 | 6.6%                        | 13,762,556       |
| T&S                                | 18              | 0.2%                 | 47,465                 | 3.6%                        | 22,712,364       |
| Unknown                            | 403             | 3.4%                 | 65,893                 | 5.0%                        | 3,890,454        |
| Vegetation-Broken/Uprooted         | 3,523           | 29.6%                | 425,102                | 32.3%                       | 68,912,270       |
| Vegetation-Ingrowth                | 478             | 4.0%                 | 40,319                 | 3.1%                        | 7,265,261        |
| Vehicles                           | 421             | 3.5%                 | 69,524                 | 5.3%                        | 5,729,649        |

\* PECO’s service territory was substantially affected by remnants of Hurricane Ida in the 3rd Quarter 2021, which caused downed tree limbs on power lines, tornados, and flooding which interrupted electric service to 164,989 customers (9.85% of PECO customers). Exclusion of the Hurricane Ida event was not requested; however, outage cause information was reported in the 3rd quarter report both with and without the impacts of Ida. PECO is presenting outage cause data in this 4th quarter report in a similar manner.

**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).”

*No data required for fourth quarter report*

**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.)

*No data required for fourth quarter report*

**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.)

*No data required for fourth quarter report*

**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 December 31, 2021 was as follows:

|  |     |
|--|-----|
| Aerial Lineman                                 | 418 |
| Underground Lineman (Include UTS)              | 56  |
| Transmission / Substation Mechanics, Operators | 108 |
| Energy Technicians                             | 87  |
| Aerial Foreman                                 | 72  |
| Underground Foreman                            | 16  |
| Transmission / Substation Foreman              | 41  |
| ET Foreman                                     | 8   |
| Total  | 806 |

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**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 |
|-----------------|----------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--|---------------------------------|--|
| AIRY_133        | 2027                 | 0.20                           | 132                            | 26                             | 0.03                           | 397                                    | 871                             | 64   |
| AQUE_000        | 230                  | 5.67                           | 246                            | 1394                           | 1.01                           | 1303                                   | 5343                            | 233  |
| AVONDALE_002    | 160                  | 0.60                           | 27                             | 16                             | 0.00                           | 96                                     | 43                              | 0  |
| BACTON_000      | 240                  | 2.45                           | 203                            | 498                            | 4.28                           | 587                                    | 1991                            | 1028   |
| BALA_038        | 302                  | 0.02                           | 88                             | 1                              | 0.00                           | 5                                      | 7                               | 0  |
| BELLEVUE_002    | 613                  | 1.33                           | 111                            | 148                            | 1.05                           | 817                                    | 1509                            | 641  |
| BLUE_GRASS_133  | 1120                 | 0.73                           | 83                             | 61                             | 1.36                           | 821                                    | 1138                            | 1519   |
| BOOT_JACK_000   | 637                  | 0.32                           | 71                             | 23                             | 0.13                           | 204                                    | 242                             | 83   |
| BRADFORD_341    | 1377                 | 1.97                           | 106                            | 209                            | 3.47                           | 2713                                   | 4797                            | 4784   |
| BRADFORD_351    | 907                  | 1.62                           | 57                             | 92                             | 3.31                           | 1467                                   | 1390                            | 3003   |
| BRADFORD_352    | 1020                 | 1.94                           | 96                             | 185                            | 2.03                           | 1977                                   | 3149                            | 2068   |
| BRADFORD_353    | 2025                 | 1.64                           | 71                             | 117                            | 3.73                           | 3312                                   | 3934                            | 7560   |
| BRYN_MAWR_134   | 423                  | 2.16                           | 122                            | 264                            | 0.99                           | 913                                    | 1858                            | 420  |
| BUCKINGHAM_353  | 2041                 | 1.11                           | 55                             | 61                             | 0.31                           | 2260                                   | 2070                            | 630  |
| BUCKINGHAM_362  | 3305                 | 2.17                           | 72                             | 157                            | 1.18                           | 7187                                   | 8627                            | 3902   |
| BYBERRY_137     | 1828                 | 0.29                           | 241                            | 69                             | 0.33                           | 525                                    | 2109                            | 604  |
| BYBERRY_176     | 170                  | 0.44                           | 70                             | 30                             | 0.00                           | 74                                     | 86                              | 0  |
| BYBERRY_184     | 981                  | 0.72                           | 616                            | 446                            | 0.82                           | 711                                    | 7299                            | 803  |
| CALLOWHILL_134  | 1585                 | 0.20                           | 48                             | 9                              | 1.74                           | 310                                    | 246                             | 2754   |
| CARMEL_003      | 852                  | 3.10                           | 416                            | 1291                           | 1.97                           | 2644                                   | 18329                           | 1682   |
| CARMEL_004      | 563                  | 2.54                           | 590                            | 1497                           | 6.58                           | 1428                                   | 14050                           | 3704   |
| CEDARBROOK_132  | 676                  | 0.04                           | 359                            | 14                             | 0.07                           | 26                                     | 155                             | 46   |
| CHALFONT_001    | 534                  | 1.30                           | 125                            | 163                            | 1.01                           | 696                                    | 1454                            | 537  |
| CHALFONT_004    | 297                  | 1.87                           | 191                            | 356                            | 2.98                           | 554                                    | 1760                            | 885  |
| CLAY_341        | 843                  | 3.63                           | 46                             | 169                            | 3.99                           | 3058                                   | 2369                            | 3364   |
| CLAY_342        | 1954                 | 2.28                           | 110                            | 252                            | 2.47                           | 4452                                   | 8198                            | 4818   |
| CLAY_343        | 1052                 | 1.21                           | 121                            | 146                            | 2.20                           | 1275                                   | 2564                            | 2313   |
| CORNOG_002      | 312                  | 4.24                           | 50                             | 210                            | 7.94                           | 1323                                   | 1094                            | 2477   |
| COUNTY_LINE_002 | 484                  | 0.04                           | 177                            | 6                              | 0.00                           | 17                                     | 50                              | 0  |
| COUNTY_LINE_006 | 516                  | 0.30                           | 74                             | 22                             | 0.00                           | 155                                    | 190                             | 0  |
| DALEVILLE_341   | 1590                 | 0.54                           | 79                             | 43                             | 3.09                           | 858                                    | 1133                            | 4913   |
| DANBORO_000     | 573                  | 3.32                           | 79                             | 261                            | 1.05                           | 1901                                   | 2496                            | 602  |
| DILTOWN_002     | 238                  | 1.03                           | 183                            | 188                            | 1.00                           | 245                                    | 745                             | 238  |
| DOWNTOWN_003    | 955                  | 2.90                           | 428                            | 1240                           | 1.55                           | 2767                                   | 19732                           | 1477   |
| DOWNTOWN_004    | 774                  | 2.60                           | 684                            | 1779                           | 2.19                           | 2013                                   | 22949                           | 1693   |
| EAGLE_353       | 2242                 | 3.00                           | 112                            | 335                            | 3.73                           | 6727                                   | 12516                           | 8362   |
| ELLIS_001       | 715                  | 1.11                           | 166                            | 184                            | 1.47                           | 793                                    | 2194                            | 1053   |
| FALLS_011       | 294                  | 1.00                           | 23                             | 23                             | 6.05                           | 293                                    | 112                             | 1779   |
| GARDENVILLE_000 | 307                  | 2.56                           | 92                             | 237                            | 2.86                           | 787                                    | 1211                            | 878  |
| GERMANTOWN_008  | 879                  | 0.09                           | 123                            | 11                             | 0.09                           | 77                                     | 158                             | 78   |
| GERMANTOWN_022  | 586                  | 3.01                           | 73                             | 221                            | 0.00                           | 1762                                   | 2158                            | 0  |
| GERMANTOWN_023  | 1071                 | 2.81                           | 61                             | 170                            | 0.00                           | 3008                                   | 3038                            | 0  |
| GLADWYNE_132    | 517                  | 4.22                           | 95                             | 400                            | 7.30                           | 2183                                   | 3443                            | 3772   |
| GRAVEL_002      | 427                  | 0.02                           | 17                             | 0                              | 0.00                           | 7                                      | 2                               | 0  |
| HAGYS_001       | 271                  | 0.50                           | 323                            | 161                            | 1.00                           | 135                                    | 728                             | 271  |
| HARVEY_001      | 367                  | 2.04                           | 68                             | 138                            | 1.00                           | 747                                    | 845                             | 367  |
| HEARTWOOD_003   | 524                  | 2.54                           | 127                            | 323                            | 2.60                           | 1333                                   | 2821                            | 1364   |
| HEARTWOOD_007   | 511                  | 0.18                           | 685                            | 126                            | 1.09                           | 94                                     | 1073                            | 557  |
| HEATON_166      | 826                  | 1.53                           | 89                             | 136                            | 0.51                           | 1261                                   | 1868                            | 418  |

| 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 |
|-------------------|----------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--|---------------------------------|--|
| HEATON_167        | 775                  | 0.03                           | 852                            | 26                             | 0.00                           | 24                                     | 341                             | 0  |
| HEATON_169        | 1472                 | 2.41                           | 84                             | 203                            | 3.53                           | 3549                                   | 4985                            | 5195   |
| JARRETT_141       | 1469                 | 1.35                           | 1801                           | 2430                           | 0.71                           | 1982                                   | 59491                           | 1040   |
| KAOLIN_001        | 123                  | 1.96                           | 221                            | 433                            | 4.13                           | 241                                    | 889                             | 508  |
| KENNETT_SQUAR_004 | 297                  | 1.20                           | 18                             | 22                             | 1.01                           | 356                                    | 108                             | 301  |
| KLEYONA_004       | 319                  | 0.14                           | 119                            | 16                             | 0.12                           | 44                                     | 88                              | 38   |
| KNOWLTON_004      | 636                  | 0.77                           | 23                             | 17                             | 2.99                           | 490                                    | 185                             | 1901   |
| LANTERN_000       | 510                  | 2.51                           | 98                             | 246                            | 0.42                           | 1282                                   | 2089                            | 215  |
| LENAPE_341        | 1103                 | 0.85                           | 64                             | 54                             | 4.06                           | 939                                    | 994                             | 4478   |
| LENAPE_352        | 1828                 | 1.28                           | 230                            | 295                            | 0.93                           | 2344                                   | 8975                            | 1706   |
| LINE_161_00CO     | 1259                 | 0.75                           | 270                            | 203                            | 0.09                           | 948                                    | 4265                            | 117  |
| LINE_175_00CO     | 493                  | 0.39                           | 159                            | 62                             | 2.12                           | 192                                    | 510                             | 1046   |
| LINE_2327         | 1486                 | 1.14                           | 502                            | 572                            | 0.75                           | 1692                                   | 14170                           | 1117   |
| LINE_2352         | 874                  | 1.86                           | 202                            | 376                            | 3.18                           | 1626                                   | 5476                            | 2781   |
| LONGSHORE_013     | 581                  | 0.00                           | 163                            | 1                              | 0.00                           | 2                                      | 5                               | 0  |
| LYNDELL_000       | 159                  | 8.50                           | 88                             | 744                            | 7.54                           | 1351                                   | 1971                            | 1199   |
| MAPLE_HILL_000    | 625                  | 2.97                           | 433                            | 1285                           | 0.02                           | 1855                                   | 13390                           | 12   |
| MARSHALLTON_002   | 409                  | 4.22                           | 124                            | 522                            | 1.16                           | 1724                                   | 3558                            | 473  |
| MATTHEWS_000      | 327                  | 4.02                           | 68                             | 272                            | 0.06                           | 1315                                   | 1485                            | 19   |
| MIDDLETOWN_133    | 1422                 | 2.15                           | 101                            | 219                            | 3.86                           | 3064                                   | 5182                            | 5491   |
| MONROE_002        | 683                  | 0.19                           | 103                            | 19                             | 1.99                           | 128                                    | 219                             | 1362   |
| MORRISVILLE_011   | 672                  | 0.11                           | 139                            | 15                             | 1.00                           | 71                                     | 165                             | 669  |
| NESHAMINY_162     | 821                  | 0.42                           | 254                            | 106                            | 0.03                           | 344                                    | 1456                            | 24   |
| NEWLINVILLE_342   | 1955                 | 1.98                           | 60                             | 119                            | 8.99                           | 3866                                   | 3868                            | 17583  |
| NEWLINVILLE_343   | 3351                 | 1.85                           | 111                            | 204                            | 5.15                           | 6186                                   | 11408                           | 17267  |
| NEWLINVILLE_353   | 2926                 | 1.13                           | 103                            | 116                            | 2.20                           | 3302                                   | 5644                            | 6434   |
| NEWLINVILLE_362   | 2721                 | 3.85                           | 132                            | 509                            | 3.00                           | 10479                                  | 23068                           | 8165   |
| NEWTOWN_SQUAR_136 | 1539                 | 0.80                           | 93                             | 74                             | 2.29                           | 1227                                   | 1899                            | 3528   |
| NEWTOWN_SQUAR_143 | 1014                 | 0.65                           | 214                            | 138                            | 0.45                           | 656                                    | 2336                            | 453  |
| NOLAN_001         | 910                  | 0.08                           | 188                            | 14                             | 1.00                           | 69                                     | 217                             | 910  |
| NOLAN_004         | 748                  | 1.78                           | 103                            | 184                            | 1.05                           | 1331                                   | 2291                            | 784  |
| OAKMONT_003       | 226                  | 0.99                           | 59                             | 58                             | 0.99                           | 223                                    | 218                             | 224  |
| OAKMONT_004       | 352                  | 0.00                           | 6                              | 0                              | 0.99                           | 1                                      | 0                               | 347  |
| ORTHODOX_000      | Retired              | Retired                        | Retired                        | Retired                        | Retired                        | Retired                                | Retired                         | Retired  |
| OVERBROOK_015     | 646                  | 1.37                           | 66                             | 90                             | 0.00                           | 887                                    | 970                             | 0  |
| PENCOYD_013       | 611                  | 3.01                           | 88                             | 264                            | 0.07                           | 1838                                   | 2686                            | 44   |
| PERKIOMEN_341     | 1558                 | 1.68                           | 521                            | 875                            | 3.08                           | 2615                                   | 22713                           | 4795   |
| PERKIOMEN_354     | 2800                 | 2.31                           | 151                            | 349                            | 0.97                           | 6472                                   | 16286                           | 2711   |
| PERKIOMEN_363     | 2494                 | 2.12                           | 983                            | 2087                           | 1.50                           | 5293                                   | 86740                           | 3751   |
| PLANEBROOK_344    | 1815                 | 1.09                           | 98                             | 108                            | 1.87                           | 1985                                   | 3254                            | 3402   |
| PLYMOUTH_136      | 576                  | 2.97                           | 474                            | 1407                           | 0.12                           | 1710                                   | 13507                           | 67   |
| PLYMOUTH_146      | 1351                 | 1.39                           | 82                             | 115                            | 0.99                           | 1882                                   | 2579                            | 1340   |
| PLYMOUTH_164      | 1337                 | 1.16                           | 337                            | 390                            | 0.66                           | 1545                                   | 8688                            | 881  |
| PLYMOUTH_182      | 572                  | 3.01                           | 333                            | 1003                           | 0.28                           | 1722                                   | 9557                            | 160  |
| ROXBOROUGH_136    | 1115                 | 1.05                           | 123                            | 128                            | 0.37                           | 1168                                   | 2385                            | 412  |
| RUSHLAND_000      | 429                  | 2.45                           | 571                            | 1401                           | 1.76                           | 1053                                   | 10016                           | 754  |
| STARKEY_000       | 390                  | 4.59                           | 98                             | 451                            | 2.07                           | 1792                                   | 2935                            | 808  |
| STONY_002         | 203                  | 5.55                           | 225                            | 1246                           | 1.06                           | 1126                                   | 4215                            | 215  |
| STREET_000        | 318                  | 1.80                           | 184                            | 331                            | 7.16                           | 572                                    | 1756                            | 2276   |
| TACONY_132        | 2974                 | 0.06                           | 219                            | 13                             | 0.00                           | 175                                    | 639                             | 0  |
| TREDYFFRIN_341    | 621                  | 2.11                           | 48                             | 102                            | 0.00                           | 1308                                   | 1056                            | 0  |

| 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 |
|-------------------|----------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--|---------------------------------|--|
| TREVOSE_136       | 1085                 | 1.52                           | 263                            | 398                            | 1.70                           | 1645                                   | 7199                            | 1848   |
| TUNA_142          | 1073                 | 0.21                           | 39                             | 8                              | 1.82                           | 226                                    | 147                             | 1954   |
| WEST_OAK_LANE_007 | 931                  | 0.08                           | 107                            | 9                              | 0.00                           | 75                                     | 134                             | 0  |
| WEST_OAK_LANE_013 | 642                  | 0.00                           | 0                              | 0                              | 0.00                           | 0                                      | 0                               | 0  |
| WESTGATE_000      | 206                  | 0.00                           | 0                              | 0                              | 0.00                           | 0                                      | 0                               | 0  |
| WHITEMARSH_131    | 463                  | 1.24                           | 1570                           | 1954                           | 1.03                           | 576                                    | 15076                           | 477  |
| WHITEMARSH_133    | 1701                 | 1.94                           | 538                            | 1043                           | 4.08                           | 3299                                   | 29581                           | 6946   |
| WHITEMARSH_161    | 1212                 | 2.59                           | 985                            | 2552                           | 0.17                           | 3142                                   | 51555                           | 212  |
| WHITEMARSH_163    | 335                  | 3.67                           | 553                            | 2032                           | 1.37                           | 1230                                   | 11344                           | 459  |
| WILLOWDALE_001    | 320                  | 2.43                           | 316                            | 765                            | 6.18                           | 776                                    | 4083                            | 1976   |
| WOODBOURNE_000    | 269                  | 0.03                           | 45                             | 1                              | 0.00                           | 9                                      | 7                               | 0  |
| WRIGHT_000        | 410                  | 0.44                           | 168                            | 73                             | 0.02                           | 179                                    | 501                             | 7  |
| YARDLEY_002       | 426                  | 0.52                           | 110                            | 58                             | 0.21                           | 222                                    | 409                             | 89   |
| YARDLEY_004       | 351                  | 0.14                           | 129                            | 18                             | 0.00                           | 48                                     | 103                             | 0  |

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 12/31/21

### **AIRY\_133**

*Montgomery County*

#### **Completed:**

- Complete corrective reliability work orders
- Inspect circuit visually and with thermographic camera
- Inspect selected areas of circuit for vegetation issues and correct as needed
- Install animal protection
- Install new fusing
- Remedial efforts completed

### **AQUE\_000**

*Bucks County*

#### **Completed:**

- Complete corrective reliability work orders
- Inspect circuit visually and with thermographic camera
- Inspect selected areas of circuit for vegetation issues and correct as needed
- Remedial efforts completed

### **AVONDALE\_002**

*Chester County*

#### **Completed:**

- Complete corrective reliability work orders
- Inspect circuit visually and with thermographic camera
- Upgrade secondary
- Remedial efforts completed

### **BACTON\_000**

*Chester County*

#### **Completed:**

- Inspect circuit visually and with thermographic camera
- Inspect selected areas of circuit for vegetation issues and correct as needed
- Perform regularly scheduled tree clearance
- Remedial efforts completed

### **BALA\_038**

*Philadelphia County*

#### **Completed:**

- Complete corrective reliability work orders
- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Remedial efforts completed

### **BELLEVUE\_002**

*Bucks County*

#### **Completed:**

- Complete corrective reliability work orders
- Inspect circuit visually and with thermographic camera
- Inspect selected areas of circuit for vegetation issues and correct as needed
- Perform regularly scheduled tree clearance
- Remedial efforts completed

### **BLUE\_GRASS\_133**

*Philadelphia County*

**Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Inspect selected areas of circuit for vegetation issues and correct as needed  
Install animal protection  
Remedial efforts completed

**BOOT\_JACK\_000**

*Chester County*

**Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**BRADFORD\_341**

*Chester County*

**Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Inspect selected areas of circuit for vegetation issues and correct as needed  
Upgrade fusing  
Remedial efforts completed

**BRADFORD\_351**

*Chester County*

**Completed:**

Inspect circuit visually and with thermographic camera  
Inspect selected areas of circuit for vegetation issues and correct as needed  
Remedial efforts completed

**BRADFORD\_352**

*Chester County*

**Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Inspect selected areas of circuit for vegetation issues and correct as needed  
Remedial efforts completed

**BRADFORD\_353**

*Chester County*

**Completed:**

Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**BRYN\_MAWR\_134**

*Delaware County*

**Completed:**

Inspect circuit visually and with thermographic camera  
Inspect selected areas of circuit for vegetation issues and correct as needed  
Remedial efforts completed

**BUCKINGHAM\_353**

*Bucks County*

**Completed:**

Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**BUCKINGHAM\_362***Bucks County***Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Inspect selected areas of circuit for vegetation issues and correct as needed  
Remedial efforts completed

**BYBERRY\_137***Philadelphia County***Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**BYBERRY\_176***Philadelphia County***Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Install animal protection  
Remedial efforts completed

**BYBERRY\_184***Bucks County***Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Inspect selected areas of circuit for vegetation issues and correct as needed  
Remedial efforts completed

**CALLOWHILL\_134***Philadelphia County***Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**CARMEL\_003***Montgomery County***Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Install new recloser  
Remedial efforts completed

**CARMEL\_004***Montgomery County***Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**CEDARBROOK\_132***Philadelphia County*

**Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Install animal protection  
Remedial efforts completed

**CHALFONT\_001***Bucks County***Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Inspect selected areas of circuit for vegetation issues and correct as needed  
Perform regularly scheduled tree clearance  
Remedial efforts completed

**CHALFONT\_004***Bucks County***Completed:**

Inspect circuit visually and with thermographic camera  
Perform regularly scheduled tree clearance  
Remedial efforts completed

**CLAY\_341***Chester County***Completed:**

Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**CLAY\_342***Chester County***Completed:**

Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**CLAY\_343***Chester County***Completed:**

Inspect circuit visually and with thermographic camera  
Install express main  
Upgrade fusing  
Remedial efforts completed

**CORNOG\_002***Chester County***Completed:**

Inspect circuit visually and with thermographic camera  
Inspect selected areas of circuit for vegetation issues and correct as needed  
Remedial efforts completed

**COUNTY\_LINE\_002***Bucks County***Completed:**

Inspect circuit visually and with thermographic camera  
Perform regularly scheduled tree clearance  
Remedial efforts completed

**COUNTY\_LINE\_006***Montgomery County***Completed:**

- Inspect circuit visually and with thermographic camera
- Inspect selected areas of circuit for vegetation issues and correct as needed
- Perform regularly scheduled tree clearance
- Remedial efforts completed

**DALEVILLE\_341***Chester County***Completed:**

- Inspect circuit visually and with thermographic camera
- Remedial efforts completed

**DANBORO\_000***Bucks County***Completed:**

- Complete corrective reliability work orders
- Inspect circuit visually and with thermographic camera
- Install tree resistant wire
- Remedial efforts completed

**DILTOWN\_002***Delaware County***Completed:**

- Complete corrective reliability work orders
- Inspect circuit visually and with thermographic camera
- Remedial efforts completed

**DOWNINGTOWN\_003***Chester County***Completed:**

- Complete corrective reliability work orders
- Inspect circuit visually and with thermographic camera
- Remedial efforts completed

**DOWNINGTOWN\_004***Chester County***Completed:**

- Complete corrective reliability work orders
- Inspect circuit visually and with thermographic camera
- Remedial efforts completed

**EAGLE\_353***Chester County***Completed:**

- Complete corrective reliability work orders
- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Remedial efforts completed

**ELLIS\_001***Chester County***Completed:**

- Inspect circuit visually and with thermographic camera
- Inspect selected areas of circuit for vegetation issues and correct as needed

Install new underground direction feed  
Perform regularly scheduled tree clearance  
Remedial efforts completed

**FALLS\_011**

*Bucks County*

**Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Inspect selected areas of circuit for vegetation issues and correct as needed  
Install tree resistant wire  
Perform regularly scheduled tree clearance  
Remedial efforts completed

**GARDENVILLE\_000**

*Bucks County*

**Completed:**

Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**GERMANTOWN\_008**

*Philadelphia County*

**Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**GERMANTOWN\_022**

*Philadelphia County*

**Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**GERMANTOWN\_023**

*Philadelphia County*

**Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**GLADWYNE\_132**

*Delaware County*

**Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Install new cut-out mounted recloser  
Remedial efforts completed

**GRAVEL\_002**

*Bucks County*

**Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Inspect selected areas of circuit for vegetation issues and correct as needed  
Remedial efforts completed

**HAGYS\_001***Delaware County***Completed:**

Inspect circuit visually and with thermographic camera

Install cut-out mounted recloser

Remedial efforts completed

**HARVEY\_001***Delaware County***Completed:**

Inspect circuit visually and with thermographic camera

Install tree resistant wire

Remedial efforts completed

**HEARTWOOD\_003***Bucks County***Completed:**

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

Remedial efforts completed

**HEARTWOOD\_007***Bucks County***Completed:**

Inspect circuit visually and with thermographic camera

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

Remedial efforts completed

**HEATON\_166***Montgomery County***Completed:**

Inspect circuit visually and with thermographic camera

Remedial efforts completed

**HEATON\_167***Montgomery County***Completed:**

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

Install animal protection

Remedial efforts completed

**HEATON\_169***Montgomery County***Completed:**

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

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

Install animal protection

Remedial efforts completed

**JARRETT\_141***Montgomery County***Completed:**

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**KAOLIN\_001**

*Chester County*

**Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Inspect selected areas of circuit for vegetation issues and correct as needed  
Remedial efforts completed

**KENNETT\_SQUAR\_004**

*Chester County*

**Completed:**

Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**KLEYONA\_004**

*Chester County*

**Completed:**

Inspect circuit visually and with thermographic camera  
Perform regularly scheduled tree clearance  
Remedial efforts completed

**KNOWLTON\_004**

*Delaware County*

**Completed:**

Inspect circuit visually and with thermographic camera  
Install cut-out mounted recloser  
Remedial efforts completed

**LANTERN\_000**

*Montgomery County*

**Completed:**

Inspect circuit visually and with thermographic camera  
Inspect selected areas of circuit for vegetation issues and correct as needed  
Remedial efforts completed

**LENAPE\_341**

*Chester County*

**Completed:**

Inspect circuit visually and with thermographic camera  
Inspect selected areas of circuit for vegetation issues and correct as needed  
Install new fusing  
Install new recloser  
Remedial efforts completed

**LENAPE\_352**

*Chester County*

**Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**LINE\_161\_00CO**

*Chester County*

**Completed:**

Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**LINE\_175\_00CO**

*Chester County*

**Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**LINE\_2327**

*Philadelphia County*

**Completed:**

Inspect circuit visually and with thermographic camera  
Install animal protection  
Perform regularly scheduled tree clearance  
Remedial efforts completed

**LINE\_2352**

*Philadelphia County*

**Completed:**

Inspect circuit visually and with thermographic camera  
Install animal protection  
Perform regularly scheduled tree clearance  
Remedial efforts completed

**LONGSHORE\_013**

*Philadelphia County*

**Completed:**

Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**LYNDELL\_000**

*Chester County*

**Completed:**

Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**MAPLE\_HILL\_000**

*Montgomery County*

**Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**MARSHALLTON\_002**

*Chester County*

**Completed:**

Inspect circuit visually and with thermographic camera  
Install express main  
Install regulator  
Remedial efforts completed

**MATTHEWS\_000**

*Chester County*

**Completed:**

Inspect circuit visually and with thermographic camera  
Perform regularly scheduled tree clearance  
Remedial efforts completed

**MIDDLETOWN\_133**

*Delaware County*

**Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Install tree resistant wire  
Remedial efforts completed

**MONROE\_002**

*Delaware County*

**Completed:**

Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**MORRISVILLE\_011**

*Bucks County*

**Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Inspect selected areas of circuit for vegetation issues and correct as needed  
Perform regularly scheduled tree clearance  
Remedial efforts completed

**NESHAMINY\_162**

*Bucks County*

**Completed:**

Inspect circuit visually and with thermographic camera  
Install animal protection  
Perform regularly scheduled tree clearance  
Remedial efforts completed

**NEWLINVILLE\_342**

*Chester County*

**Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**NEWLINVILLE\_343**

*Chester County*

**Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Install tree resistant wire  
Remedial efforts completed

**NEWLINVILLE\_353**

*Chester County*

**Completed:**

Inspect circuit visually and with thermographic camera  
Inspect selected areas of circuit for vegetation issues and correct as needed

Remedial efforts completed

**NEWLINVILLE\_362**

*Chester County*

**Completed:**

- Complete corrective reliability work orders
- Inspect circuit visually and with thermographic camera
- Install tree resistant wire
- Remedial efforts completed

**NEWTOWN\_SQUAR\_136**

*Delaware County*

**Completed:**

- Complete corrective reliability work orders
- Inspect circuit visually and with thermographic camera
- Install animal protection
- Install cut-out mounted recloser
- Remedial efforts completed

**NEWTOWN\_SQUAR\_143**

*Delaware County*

**Completed:**

- Complete corrective reliability work orders
- Inspect circuit visually and with thermographic camera
- Remedial efforts completed

**NOLAN\_001**

*Bucks County*

**Completed:**

- Inspect circuit visually and with thermographic camera
- Inspect selected areas of circuit for vegetation issues and correct as needed
- Perform regularly scheduled tree clearance
- Remedial efforts completed

**NOLAN\_004**

*Bucks County*

**Completed:**

- Complete corrective reliability work orders
- Inspect circuit visually and with thermographic camera
- Inspect selected areas of circuit for vegetation issues and correct as needed
- Perform regularly scheduled tree clearance
- Remedial efforts completed

**OAKMONT\_003**

*Delaware County*

**Completed:**

- Inspect circuit visually and with thermographic camera
- Remedial efforts completed

**OAKMONT\_004**

*Delaware County*

**Completed:**

- Inspect circuit visually and with thermographic camera
- Remedial efforts completed

**ORTHODOX\_000**

*Philadelphia County*

**Completed:**

Circuit retired

**OVERBROOK\_015**

*Philadelphia County*

**Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Perform regularly scheduled tree clearance  
Remedial efforts completed

**PENCOYD\_013**

*Philadelphia County*

**Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Perform regularly scheduled tree clearance  
Remedial efforts completed

**PERKIOMEN\_341**

*Montgomery County*

**Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Inspect selected areas of circuit for vegetation issues and correct as needed  
Install new recloser  
Remedial efforts completed

**PERKIOMEN\_354**

*Montgomery County*

**Completed:**

Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**PERKIOMEN\_363**

*Montgomery County*

**Completed:**

Inspect circuit visually and with thermographic camera  
Inspect selected areas of circuit for vegetation issues and correct as needed  
Remedial efforts completed

**PLANEBROOK\_344**

*Chester County*

**Completed:**

Inspect circuit visually and with thermographic camera  
Perform regularly scheduled tree clearance  
Remedial efforts completed

**PLYMOUTH\_136**

*Montgomery County*

**Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Install animal protection  
Remedial efforts completed

**PLYMOUTH\_146***Montgomery County***Completed:**

Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**PLYMOUTH\_164***Montgomery County***Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**PLYMOUTH\_182***Montgomery County***Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Install animal protection  
Upgrade transformer  
Remedial efforts completed

**ROXBOROUGH\_136***Philadelphia County***Completed:**

Inspect circuit visually and with thermographic camera  
Install animal protection  
Perform regularly scheduled tree clearance  
Remedial efforts completed

**RUSHLAND\_000***Bucks County***Completed:**

Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**STARKEY\_000***Bucks County***Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Inspect selected areas of circuit for vegetation issues and correct as needed  
Perform regularly scheduled tree clearance  
Remedial efforts completed

**STONY\_002***Bucks County***Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Inspect selected areas of circuit for vegetation issues and correct as needed  
Install animal protection  
Remedial efforts completed

**STREET\_000***Chester County*

**Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**TACONY\_132**

*Philadelphia County*

**Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**TREDYFFRIN\_341**

*Chester County*

**Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**TREVOSE\_136**

*Bucks County*

**Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Inspect selected areas of circuit for vegetation issues and correct as needed  
Remedial efforts completed

**TUNA\_142**

*Philadelphia County*

**Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**WESTGATE\_000**

*Delaware County*

**Completed:**

Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**WEST\_OAK\_LANE\_007**

*Philadelphia County*

**Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**WEST\_OAK\_LANE\_013**

*Philadelphia County*

**Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**WHITEMARSH\_131**

*Montgomery County*

**Completed:**

Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**WHITEMARSH\_133**

*Montgomery County*

**Completed:**

Inspect circuit visually and with thermographic camera  
Install animal protection  
Remedial efforts completed

**WHITEMARSH\_161**

*Montgomery County*

**Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**WHITEMARSH\_163**

*Montgomery County*

**Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**WILLOWDALE\_001**

*Chester County*

**Completed:**

Inspect circuit visually and with thermographic camera  
Inspect selected areas of circuit for vegetation issues and correct as needed  
Remedial efforts completed

**WOODBOURNE\_000**

*Bucks County*

**Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Perform regularly scheduled tree clearance  
Remedial efforts completed

**WRIGHT\_000**

*Bucks County*

**Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Install new reclosers  
Remedial efforts completed

**YARDLEY\_002**

*Bucks County*

**Completed:**

Complete corrective reliability work orders  
Inspect circuit visually and with thermographic camera  
Perform regularly scheduled tree clearance  
Remedial efforts completed

**YARDLEY\_004**

*Bucks County*

**Completed:**

- Complete corrective reliability work orders
- Inspect circuit visually and with thermographic camera
- Inspect selected areas of circuit for vegetation issues and correct as needed
- Perform regularly scheduled tree clearance
- 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).