



An Exelon Company

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November 1, 2016

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

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

Dear Secretary Chiavetta:

Enclosed is PECO's 2016 Quarterly Reliability Report for the period ending September 30, 2016 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.

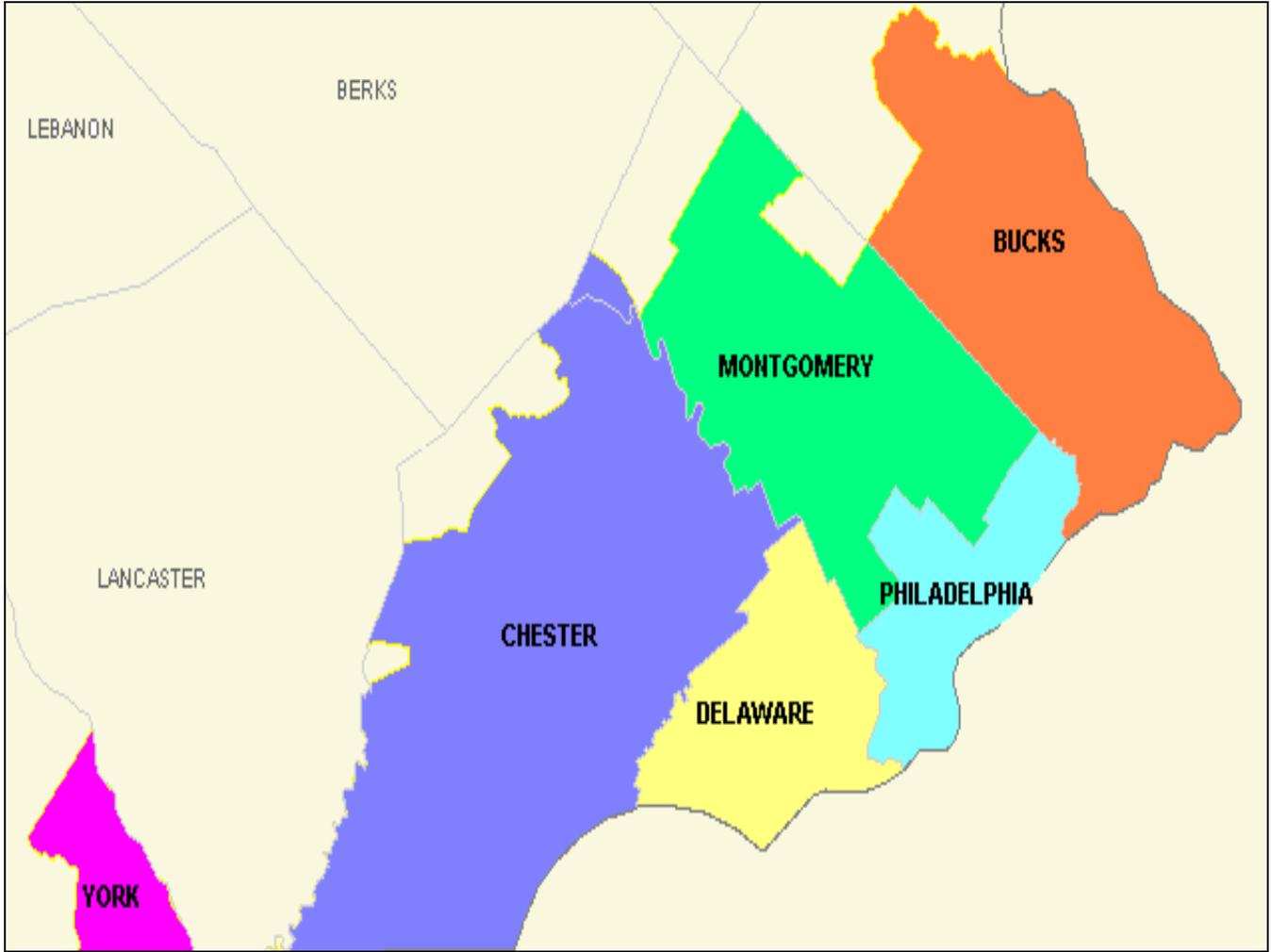
Sincerely,

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

Enclosure

MPB/mec

**PECO Energy Company
Quarterly Reliability Report
For Period Ending September 30, 2016**



November 1, 2016

PECO Energy ("PECO")

Quarterly Reliability Report for the Period Ending September 30, 2016 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 no Major Events in the third quarter of 2016.

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
1,643,682	1,577,413	2,833,963	856,646	170,037,787	0.96	108	103	0.52

**Customer Count reflects a reduction due to the removal of inactive customer accounts
Data reflects 12 months ending 09/30/2016.*

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 September 30, 2016					
Cause	Service Outages	% of Service Outages	Customer Interruptions	% of Customer Interruptions	Customer Minutes
Animal	1,377	10.20%	43,324	2.70%	3,105,953
Contact/Dig-In	119	0.90%	20,968	1.30%	1,109,452
Equipment Failure	5,144	38.10%	593,312	37.60%	58,353,971
Lightning	358	2.70%	43,919	2.80%	6,183,869
Other	1,524	11.30%	149,846	9.50%	9,035,129
T&S	13	0.10%	43,593	2.80%	2,081,018
Unknown	541	4.00%	43,333	2.70%	3,335,581
Vegetation-Broken/Uprooted	3,005	22.30%	443,634	28.10%	61,591,502
Vegetation-Ingrowth	1,042	7.70%	136,736	8.70%	20,279,137
Vehicles	364	2.70%	58,748	3.70%	4,962,175

*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. Most customer interruptions caused by trees came from broken branches and tree trunks or uprooted trees (28.1% of all customer interruptions), as opposed to ingrowth (8.7% of all outage customer interruptions). PECO has continued to supplement its regularly scheduled vegetation management cycle with mid-cycle and 34 kV pruning programs and a hazard tree removal program.

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 9/30/2016					
	3 rd Quarter Tasks		YTD Tasks		2016 Total Planned
	Planned	Complete	Planned	Complete	
Recloser Inspections (Number of reclosers inspected)	51	89	153	292	199
Circuit Patrol & Thermography (Number of circuits patrolled)	0	0	966	1,932	966
Pole Inspections (Number of poles visually inspected)	0	0	32,763	39,262	32,763
Padmount Transformers (Number of transformers visually inspected)	2,820	2,909	7,660	9,781	9,733
Below Ground Transformers (Number of transformers visually inspected)	390	1,208	1,536	2,587	1,737
Substations (Number of substations inspections performed.(e.g. visual inspection, reading of currents, voltages, temperature etc) for a variety of substation components)	330	349	990	1,057	1,320
Unit Substations (Number of unit substations inspections performed .(e.g. visual inspection, reading of currents, voltages, temperature etc) for a variety of substation components)	768	791	2,303	2,398	3,070

Vegetation Management Preventive Maintenance Program – status as of 9/30/16					
	3 rd Quarter Miles		YTD Miles		2016 Total Planned
	Planned	Complete	Planned	Complete	
Distribution Lift and Manual Trimming	740	852	2,271	2,342	2,708
Transmission Trimming and Removals	40	45	117	136	160

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 3 rd Quarter	Actual 3 rd Quarter	Budgeted Year-to-Date	Actual Year-to-Date
New Business Connections	\$0.3	\$0.4	\$0.8	\$1.2
Capacity Expansion	\$0.1	\$0.2	\$0.7	\$1.0
System Performance	\$11.6	\$11.3	\$37.5	\$33.1
Facility Relocation	\$0.5	\$0.2	\$1.0	\$0.7
Maintenance	\$46.8	\$48.5	\$142.4	\$144.2
Total	\$59.3	\$60.6	\$182.4	\$180.2

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 3 rd Quarter	Actual 3 rd Quarter	Budgeted Year-to-Date	Actual Year-to-Date
New Business Connections	\$15.8	\$12.4	\$42.7	\$37.8
Capacity Expansion	\$24.9	\$26.7	\$75.1	\$75.0
System Performance	\$32.1	\$24.8	\$90.5	\$80.4
Facility Relocation	\$3.3	\$3.4	\$9.9	\$8.2
Maintenance	\$25.6	\$25.2	\$76.0	\$69.6
Total	\$101.7	\$92.5	\$294.2	\$271.0

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 September 30, 2016 was as follows:

Aerial Lineman	399
Underground Lineman (Include UTS)	60
T&S Mechanics, Operators	103
Energy Technicians	100
Aerial Foreman	63
Underground Foreman	17
T&S Foreman	31
ET Foreman	5
	778

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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_004	666	0.23	257	60	0	156	667	0
BALA_132	1505	1.38	121	166	0.06	2072	4174	93
BALA_135	1147	2.78	75	208	0.54	3189	3986	616
BELLEVUE_001	558	0.06	98	6	3.06	33	54	1707
BELLEVUE_002	623	0.46	126	58	1	285	600	624
BELLEVUE_134	783	1.44	56	81	1.59	1126	1056	1247
BETHAYRES_002	494	2.04	77	157	1.02	1006	1295	504
BETHAYRES_135	745	3.88	53	206	2.09	2893	2555	1556
BRADFORD_346	2273	0.9	167	151	1.12	2057	5739	2540
BRYAN_002	364	5.23	127	666	0.19	1904	4042	68
BRYN_MAWR_144	1106	1.62	130	212	0	1797	3905	0
BUCKINGHAM_346	2626	0.16	288	45	1	414	1989	2624
BUCKINGHAM_351	1889	5.44	71	387	1.97	10283	12186	3727
BYBERRY_143	516	0.34	104	35	0	176	304	0
CALLOWHILL_131	2127	2.55	53	134	1.71	5422	4745	3645
CALLOWHILL_142	1389	2.96	73	216	0	4118	5010	0
CANAL_000	171	3.62	91	331	0	619	943	0
CHICHESTER_134	1890	0.67	56	38	0.34	1273	1194	652
CHURCH_003	562	2.16	411	889	0.05	1216	8331	26
CLAY_343	1497	3.09	57	176	0.49	4621	4384	733
COLWYN_132	2302	0.91	38	35	0.01	2084	1336	22
CONCORD_351	1778	3.55	120	425	0.7	6316	12599	1252
COOPER_371	234	5.12	263	1345	0.48	1198	5247	113
CROYDON_142	586	1.8	83	150	0	1057	1467	0
DALEVILLE_342	639	5.61	142	795	2.23	3582	8465	1422
DAVISVILLE_004	803	0.02	5	0	2	13	1	1606
DAVISVILLE_007	641	1.24	41	51	2.28	794	544	1461
DURHAM_005	516	1.33	110	146	0	688	1259	0
DUTTON_001	867	3.06	47	143	0	2650	2060	0
EDDINGTON_138	763	0.07	83	6	0	53	73	0
EDGMONT_001	605	1.05	61	64	0	638	644	0
ELMWOOD_135	2856	1.48	41	61	0.59	4214	2892	1699
EMILIE_010	247	3.1	53	163	0	765	671	0
EMILIE_017	521	2.1	176	368	0	1092	3197	0
EMILIE_134	907	4.44	55	244	1	4026	3684	907
FALLS_343	527	0.21	178	37	0.46	110	326	242
FIN_002	418	0.4	168	67	0.5	166	464	210
FLINT_132	1113	0.77	103	79	0.46	853	1458	513
FLINT_143	515	1.1	83	91	0	564	778	0
FLINT_144	840	1.66	191	316	0.73	1392	4427	617
FLINT_147	152	0.42	331	139	0	64	353	0
GARDENVILLE_000	306	6.83	158	1077	0	2090	5492	1
GLADWYNE_133	590	2.27	103	234	4.02	1339	2297	2373
HARMONY_001	335	2.13	378	807	1.16	715	4503	388
HARMONY_008	939	1.62	155	251	0	1523	3926	0
HEATON_136	1412	2.71	114	308	1.86	3822	7241	2631

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_142	628	0.85	183	156	0.3	535	1631	186
HEATON_163	916	0.27	186	51	0.04	250	774	36
JARRETT_135	569	1.28	111	142	0	729	1351	0
JENKINTOWN_130	427	1.22	86	105	0	519	746	0
JENKINTOWN_135	942	0.4	139	56	0.01	377	874	9
JENKINTOWN_138	1858	1.1	91	100	0.54	2041	3095	1004
KEYSTONE_037	259	0	0	0	0.16	0	0	41
KING_135	390	2.76	100	277	0.57	1075	1799	221
KNOWLTON_001	327	1.4	264	370	0.04	458	2016	12
KNOWLTON_003	434	4.71	184	867	0.46	2045	6271	198
LANE_002	739	1.29	77	100	0.02	953	1228	13
LENAPE_342	1822	3.25	59	193	1.32	5922	5853	2399
LENAPE_351	1714	5.07	115	584	3.5	8695	16685	5997
LESTER_003	603	0.01	126	2	0	8	17	0
LINE_131_00WO	543	1.08	163	176	1.94	588	1593	1055
LINE_2266	1	2	142	284	1	2	5	1
LINE_2675	1314	2.98	41	122	0	3910	2672	1
LINE_3308NT	1195	3.85	117	452	0.69	4605	8999	830
LINE_3340	925	3.35	140	467	0	3098	7205	0
LINE_3500	194	2.36	190	448	0.41	458	1447	80
LINE_7500PB	2940	2.18	126	276	1.78	6419	13532	5239
LLANERCH_161	1200	3.23	186	599	0.76	3873	11980	906
LOMBARD_042	168	4.01	57	227	0.83	673	635	140
MACDADE_133	1459	0.21	149	31	0	300	745	0
MACDADE_135	2131	0.46	71	32	0	980	1152	0
MACDADE_139	2267	1.44	48	68	0.01	3260	2584	32
MACDADE_146	1889	0.68	35	24	0	1287	741	0
MAIN_000	49	2.41	167	402	0	118	328	0
MAINLAND_000	364	1.21	76	91	0	439	554	0
MALL_025	76	3.21	653	2095	0	244	2654	0
MIDDLETOWN_133	1440	1.47	150	221	0.44	2122	5293	633
MIDDLETOWN_143	1564	3.8	68	257	0.41	5936	6689	649
MIDDLETOWN_349	1959	3.33	65	215	0.01	6525	7020	16
MIDWAY_003	688	0.31	206	65	1	216	742	686
NESHAMINY_133	1060	1.48	133	197	0.91	1569	3474	965
NEWLINVILLE_342	1977	2.51	63	157	2.91	4954	5166	5751
NEWLINVILLE_352	2274	2.2	48	105	1.38	5008	3977	3148
NEWTOWN_SQUAR_136	1254	6.16	154	948	0	7725	19820	0
NEWTOWN_SQUAR_146	1254	2.31	385	891	1.46	2899	18624	1836
OVERBROOK_131	2969	0.85	30	25	0.64	2526	1260	1887
PARRISH_139	1157	0.1	178	18	0	118	349	0
PERKIOMEN_343	2488	1.02	80	81	0.82	2535	3366	2047
PIPER_000	366	8.21	78	640	2.08	3005	3903	762
PLYMOUTH_135	582	1.18	106	125	0	687	1214	0
PLYMOUTH_164	1350	0.81	86	69	0	1088	1553	0
PULASKI_014	940	0.47	135	63	0.1	438	986	91
RADNOR_131	31	5.81	167	969	2.42	180	501	75
RICHMOND_144	1648	0.7	21	15	1.32	1159	414	2173
SPRUCE_028	381	2.18	63	138	0	829	876	0
SPRUCE_029	432	3.41	99	339	0.13	1475	2438	54

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
SUNNYBURN_002	289	0.65	330	216	0	189	1038	0
TABOR_135	2022	1.07	12	13	0	2157	443	0
TANGUY_000	306	3.46	141	488	0.02	1058	2488	7
TUNA_132	766	0.8	28	22	0	609	287	0
TUNA_142	1327	1.1	58	64	0.07	1463	1425	97
TUNA_143	739	1.14	347	394	0	839	4850	0
UNIVERSITY_012	197	1.14	117	133	0.29	224	436	58
UPPER_DARBY_139	2315	0.1	260	27	0.05	237	1028	109
UPPER_MERION_351	2695	2.81	81	228	1.41	7561	10225	3790
WARMINSTER_006	423	3.52	119	420	1.01	1491	2963	428
WARRINGTON_341	2242	1.89	47	89	1.88	4237	3344	4204
WASHINGTON_SQ_003	369	1.36	637	863	2.01	500	5309	740
WAYNE_142	821	3.18	80	255	0.1	2607	3490	80
WAYNE_146	547	1.67	157	262	0.31	915	2390	168
WORTH_000	270	1.05	186	195	0	283	879	0
WRIGHT_000	399	6.26	229	1431	0	2498	9519	0
YEADON_134	1763	0.07	106	7	0	121	213	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 09/30/16

AIRY_004

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera

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

Performed regularly schedule tree clearance

Completed reliability corrective workorders

Installed aerial cable

Planned:

Remedial efforts completed

BALA_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:

Complete reliability corrective workorders

BALA_135

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

Tested / Inspected recloser operation

Planned:

Remedial efforts completed

BELLEVUE_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

Tested / Inspected recloser operation

Planned:

Remedial efforts completed

BELLEVUE_002

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

BELLEVUE_134

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 cable

Install additional fuses

Planned:

Remedial efforts completed

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:

Remedial efforts completed

BETHAYRES_135

Montgomery 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

Inspected- tested recloser operation

Installed additional wildlife protection

Planned:

Remedial efforts completed

BRADFORD_346

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

BRYAN_002

York County

Completed:

Inspected circuit visually and with thermographic camera

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

Replaced fuses

Replaced cable

Completed reliability corrective workorders

Upgrade cable insulation

Planned:

Remedial efforts completed

BRYN_MAWR_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

Installed additional fuses

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

Installed additional lightning protection

Installed additional wildlife protection

Planned:

Remedial efforts completed

BUCKINGHAM_351

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

Installed transformer

Installed additional lightning protection

Installed additional wildlife protection

Planned:

Remedial efforts completed

BYBERRY_143

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

Test inspect recloser operation

Planned:

Remedial efforts completed

CALLOWHILL_131

Philadelphia 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

Replaced cable

Replaced lightning protection

Installed 3 phase recloser

Planned:

Remedial efforts completed

CALLOWHILL_142

Philadelphia County

Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Installed transformer

Upgraded cable

Upgraded lightning protection

Installed additional fuses

Planned:

Complete reliability corrective workorders

CANAL_000

Bucks County

Completed:

Inspected circuit and with thermographic camera

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

Completed reliability corrective workorders

Replaced lightning protection

Planned:

Remedial efforts completed

CHICHESTER_134

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:

Remedial efforts completed

CLAY_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

Installed switch

Test recloser operation

Planned:

Remedial efforts completed

COLWYN_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

Reconfigure circuit

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

Test/Inspect recloser operation

Repaired switch

Installed additional fuses

Planned:

Remedial efforts completed

COOPER_371

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

Replaced switch

Tested /Inspected recloser

Planned:

Remedial efforts completed

CROYDON_142

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

Installed additional fuses

Complete reliability corrective workorders

Planned:

Remedial efforts completed

DALEVILLE_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

Replaced switch

Inspected / Test breaker

Installed additional transformer

Planned:

Remedial efforts completed

DAVISVILLE_004

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

Repaired switch

Installed additional fuses

Planned:

Remedial efforts completed

DAVISVILLE_007

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

Installed additional fuses

Planned:

Remedial efforts completed

DURHAM_005

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

Installed additional fuses

Upgraded lightning protection

Replaced secondary wires

Planned:

Remedial efforts completed

DUTTON_001

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:

Remedial efforts completed

EDDINGTON_138

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

Install animal protection

Planned:

Remedial efforts completed

EDGEMONT_001

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

Replaced cable

Upgraded recloser communications

Installed & tested recloser operations

Planned:

Remedial efforts completed

ELMWOOD_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 workorders

Replaced cable

Installed additional lightning protection

Installed additional fuses

Planned:

Remedial efforts completed

EMILIE_010

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 Cable

Inspect breaker operation

Planned:

Remedial efforts completed

EMILIE_017

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_134

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

FALLS_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

Tested / Inspected recloser operation

Planned:

Remedial efforts completed

FIN_002

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

Replaced cable

Planned:

Remedial efforts completed

FLINT_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

Installed animal protection

Adjust recloser settings

Planned:

Remedial efforts completed

FLINT_143

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

Inspect breaker operation

Planned:

Remedial efforts completed

FLINT_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

Upgrade fuse

Installed animal protection

Planned:

Remedial efforts completed

FLINT_147

Delaware County

Completed:

Inspected circuit and with thermographic camera

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

Completed reliability corrective workorders

Install additional lightning protection

Inspected circuit breaker operation

Upgraded cable

Installed capacitor bank

Planned:

Remedial efforts completed

GARDENVILLE_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 workorders

Installed additional fuses

Tested / Repaired capacitor

Planned:

Remedial efforts completed

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

Upgraded cable

Planned:

Remedial efforts completed

HARMONY_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

Tested switch operation

Replaced cable section

Replaced recloser

Planned:

Remedial efforts completed

HARMONY_008

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

HEATON_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

Upgrade secondary wires

Install additional fuses

Planned:

Remedial efforts completed

HEATON_142

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 cable insulation

Planned:

Remedial efforts completed

HEATON_163

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

Installed additional fuses

Installed 3 phase recloser

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

Upgraded secondary wires

Planned:

Remedial efforts completed

JENKINTOWN_130

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

JENKINTOWN_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

Installed tree wire

Installed additional fuses

Planned:

Remedial efforts completed

JENKINTOWN_138

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

Replaced recloser

Replaced cable sections

Planned:

Remedial efforts completed

KEYSTONE_037

Delaware County

Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective workorders

Inspect switches

Install switch

Complete reliability corrective workorders

Planned:

Remedial efforts completed

KING_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

Installed animal protection

Installed recloser

Planned:

Remedial efforts completed

KNOWLTON_001

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:

Remedial efforts completed

KNOWLTON_003

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 secondary wire

Planned:

Remedial efforts completed

LANE_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

Upgrade fuses

Planned:

Remedial efforts completed

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

Replaced cable

Planned:

Remedial efforts completed

LENAPE_351

Chester County

Completed:

Inspected circuit and with thermographic camera

Completed reliability corrective workorders

Replace cable

Upgrade recloser

Planned:

Remedial efforts completed

LESTER_003

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:

Remedial efforts completed

LINE_109_00

Bucks County

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

Tested/ Inspected breaker operation

Completed:

Remedial efforts completed

LINE_131_00WO

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

LINE_2266

Philadelphia County

Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective workorders

Installed switch

Planned:

Remedial efforts completed

LINE_2675

Philadelphia County

Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective workorders

Installed additional fuses

Planned:

Remedial efforts completed

LINE_3308NT

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 controller

Upgraded transformer

Upgraded lightning protection

Upgraded wires

Planned:

Remedial efforts completed

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 switch

Replaced cable

Planned:

Remedial efforts completed

LINE_3500

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

LINE_7500PB

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

LLANERCH_161

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

Replaced cable

Planned:

Remedial efforts completed

LOMBARD_042

Philadelphia County

Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective workorders

Installed faulted circuit indicators

Planned:

Remedial efforts completed

MACDADE_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

Upgraded secondary wires

Inspected breaker operation

Installed animal protection

Planned:

Remedial efforts completed

MACDADE_135

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 fuse

Planned:

Remedial efforts completed

MACDADE_139

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:

Remedial efforts completed

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

Installed wildlife protection

Planned:

Remedial efforts completed

MAIN_000

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

Transferred portion of load to supply circuit

Planned:

Remedial efforts completed

MAINLAND_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

MALL_025

Philadelphia County

Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective workorders

Installed switch

Replaced cable stretch

Planned:

Remedial efforts completed

MIDDLETOWN_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

Replaced cable

Installed additional fuses

Planned:

Remedial efforts completed

MIDDLETOWN_143

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:

Remedial efforts 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

Upgraded fuses

Tested / Inspected recloser operation

Planned:

Remedial efforts completed

MIDWAY_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

Installed additional fuses

Planned:

Remedial efforts completed

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

Replaced cable

Planned:

Remedial efforts completed

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

Tested / Inspected recloser operations

Installed lightning protection

Planned:

Remedial efforts completed

NEWLINVILLE_352

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 3 phase recloser

Replaced cable

Planned:

Remedial efforts completed

NEWTOWN_SQUARE_136

Delaware 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 wildlife protection

Planned:

Remedial efforts completed

NEWTOWN_SQUARE_146

Delaware County

Completed:

Completed reliability corrective workorders

Inspected circuit visually and with thermographic camera

Inspect / Test recloser operation

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

Planned:

Remedial efforts completed

OVERBROOK_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

Installed additional lightning protection

Installed wildlife protection

Planned:

Remedial efforts completed

PARRISH_139

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

Install additional lightning protection

Install additional fuses

Planned:

Remedial efforts completed

PERKIOMEN_343

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

Replaced 3 phase recloser

Installed 3 phase recloser

Planned:

Remedial efforts completed

PIPER_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 workorders

Planned:

Remedial efforts completed

PLYMOUTH_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

Installed wildlife protection

Planned:

Remedial efforts completed

PLYMOUTH_164

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 fuse

Upgraded wires

Installed additional animal protection

Planned:

Remedial efforts completed

PULASKIE_014

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 wildlife protection

Upgraded transformer

Planned:

Remedial efforts completed

RADNOR_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 additional wildlife protection

Replaced recloser

Planned:

Remedial efforts completed

RICHMOND_144

Philadelphia 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 cable

Installed wildlife protection

Installed additional fuses

Planned:

Remedial efforts completed

SPRUCE_028

Philadelphia County

Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective workorders

Replaced switch

Replaced cable section

Planned:

Remedial efforts completed

SPRUCE_029

Philadelphia County

Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective workorders

Replace cable section

Planned:

Remedial efforts completed

SUNNYBURN_002

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

Planned:

Remedial efforts completed

TABOR_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 workorders

Upgraded transformer

Installed additional fuses

Planned:

Remedial efforts completed

TANGUY_000

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 additional fuses

Planned:

Remedial efforts completed

TUNA_132

Philadelphia County

Completed:

Inspected circuit visually and with thermographic camera

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

Inspected recloser operation

Installed transformer

Completed reliability corrective workorders

Planned:

Remedial efforts completed

TUNA_142

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

Replaced stretch of cable

Planned:

Complete reliability corrective workorders

TUNA_143

Philadelphia County

Completed:

Completed reliability corrective workorders

Installed vacuum fault interrupter

Planned:

Complete reliability corrective workorders

UNIVERSITY_012

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

Replaced stretch of cable

Upgraded transformer

Planned:

Completed reliability corrective workorders

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

Completed reliability corrective workorders

Installed additional fuses

Upgraded fuses

Planned:

Remedial efforts completed

UPPER_MERION_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

Upgraded transformer

Inspect recloser operation

Planned:

Remedial efforts completed

WARMINSTER_006

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

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

Installed additional fuses

Planned:

Remedial efforts completed

WASHINTON_SQUARE_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

Planned:

Completed 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:

Remedial efforts completed

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 workorders

Replaced recloser

Upgraded wires

Replaced cable

Planned:

Remedial efforts completed

WORTH_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 workorders

Installed three phase recloser

Coordinate fuses

Planned:

Remedial efforts completed

WRIGHT_000

Bucks County

Completed:

Inspected circuit visually and with thermographic camera

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

Relocated transformer

Completed reliability corrective workorders

Planned:

Remedial efforts completed

YEADON_134

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 three phase recloser

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).