



An Exelon Company

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

PECO
2301 Market Street
S15
Philadelphia, PA 19103

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

February 1, 2018

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

Re: PECO 2017 Fourth Quarter Reliability Report PUC Docket No. M-2016-2522508

Dear Secretary Chiavetta:

Enclosed is PECO's 2017 Quarterly Reliability Report for the period ending December 31, 2017 submitted pursuant to the Electric Service Reliability Regulations at 52 Pa. Code Chapter 57.

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

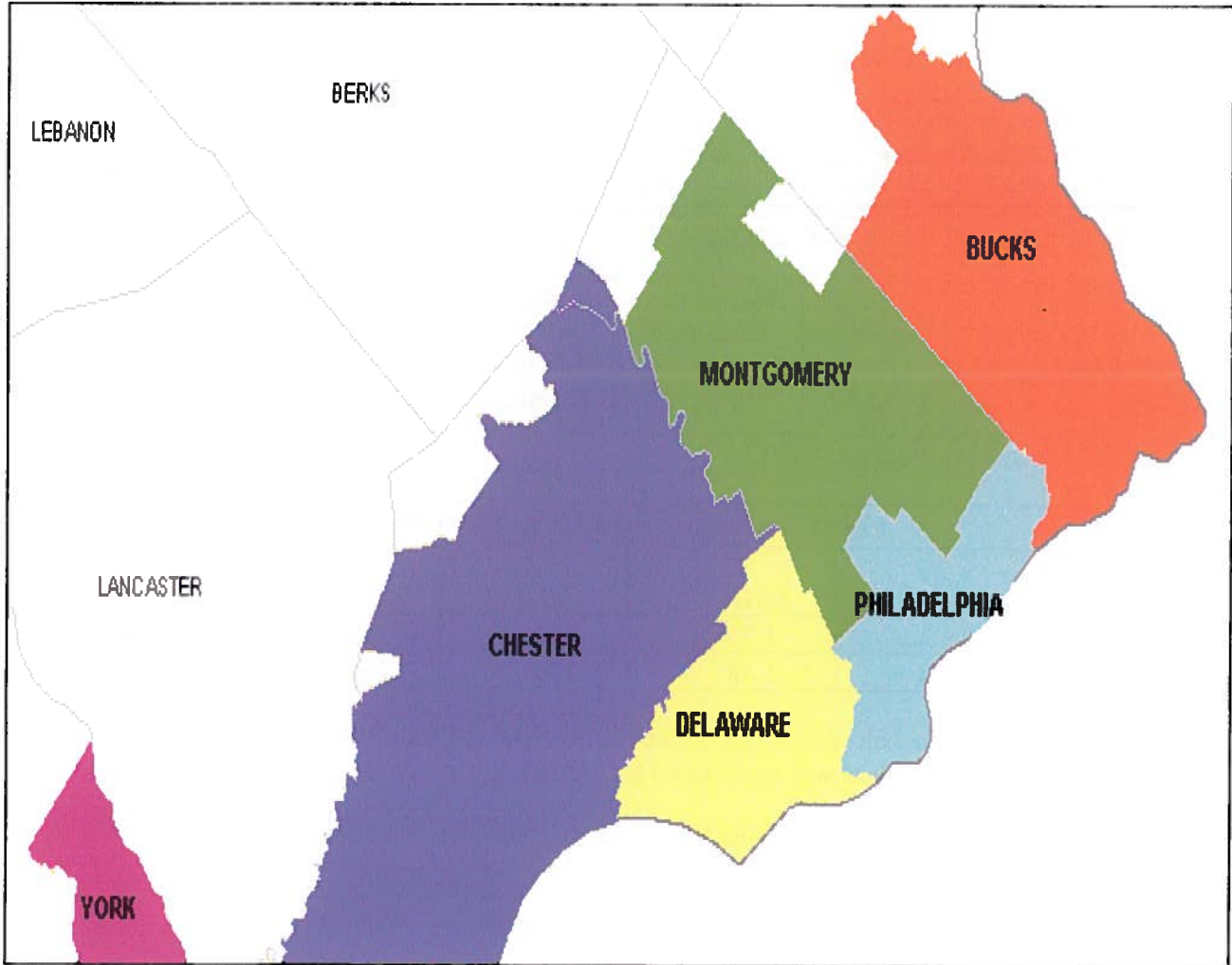
If you have any questions regarding this matter, please call me at 215-841-5777.

Sincerely,

A handwritten signature in black ink, appearing to read "R. Webster".

Enclosure

PECO Energy Company Quarterly Reliability Report For Period Ending December 31, 2017



February 1, 2018

PECO Energy ("PECO")

Quarterly Reliability Report for the Period Ending December 31, 2017 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 fourth quarter of 2017.

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
1,635,159	1,351,668	2,234,809	885,192	134,088,559	0.83	99	82	0.54

Data reflects 12 months ending 12/31/2017.

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 December 31, 2017					
Cause	Service Outages	% of Service Outages	Customer Interruptions	% of Customer Interruptions	Customer Minutes
Animal	1,182	9.90%	35,501	2.60%	2,422,216
Contact/Dig-In	121	1.00%	14,783	1.10%	1,198,735
Equipment Failure	4,440	37.30%	492,111	36.40%	45,156,671
Lightning	345	2.90%	47,870	3.50%	5,807,301
Other	1,367	11.50%	117,997	8.70%	7,135,850
T&S	17	0.10%	65,998	4.90%	13,763,588
Unknown	442	3.70%	47,733	3.50%	2,550,930
Vegetation-Broken/Uprooted	2,586	21.70%	345,489	25.60%	38,450,685
Vegetation-Ingrowth	967	8.10%	91,752	6.80%	9,045,995
Vehicles	451	3.80%	92,434	6.80%	8,556,587

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

The largest contributors to customer interruptions were equipment failure and tree-related interruptions. The leading groups within the equipment failure category were aerial equipment and underground equipment. Equipment is replaced based on observed trends under reliability programs and the System 2020 Long-term Infrastructure Investment Plan. Most customer interruptions caused by trees came from broken branches and tree trunks or uprooted trees (25.6% of all customer interruptions), as opposed to ingrowth (6.8% of all outage customer interruptions). PECO has continued to supplement its regularly scheduled vegetation management cycle with mid-cycle and a hazard tree removal program.

PECO has observed an increase in dead and declining ash trees near its electrical facilities. Emerald ash borers (invasive insects that cause ash tree deaths) are known to be concentrated in the eastern United States and have infested areas across the PECO territory. Limb and tree failures caused by emerald ash borers are expected to increase through this decade and into the next. To mitigate this threat to its facilities and customer reliability, PECO increased ash tree removals in 2016 and 2017, and will further accelerate removals in 2018.

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, 2017 was as follows:

Aerial Lineman	403
Underground Lineman (Include UTS)	65
Transmission / Substation Mechanics, Operators	109
Energy Technicians	89
Aerial Foreman	66
Underground Foreman	18
Transmission / Substation Foreman	30
ET Foreman	5
Total	785

Section 57.195(e)(10). “Quarterly and year to date information on contractor hours and dollars for transmission and distribution operation and maintenance.”

4 th Quarter Contractor Spend for Operation and Maintenance	\$21.2M
Year-to-Date Contractor Spend for Operation and Maintenance	\$83.4M

4 th Quarter Contractor Man-hours for Operation and Maintenance	392K
Year-to-Date Contractor Man-hours for Operation and Maintenance	1.8M

Contracting Hours are calculated based on contractor OSHA hours.

Contact Persons:

Brian Crowe
 VP, Transmission & Substations
 (215) 841-5316
Brian.crowe@peco-energy.com

Dick Webster
 Vice President Regulatory Policy & Strategy
 (215) 841-5777
dick.webster@peco-energy.com

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

CIRCUIT	CUSTOMERS ON CIRCUIT	12 Month Rolling Circuit SAIFI	12 Month Rolling Circuit CAIDI	12 Month Rolling Circuit SAIDI	12 Month Rolling Circuit MAIFI	12 Month Rolling Customers Interrupted	12 Month Rolling Customer Hours	12 Month Rolling Momentary Customers Interrupted
ABINGTON_006	139	0.35	613	216	4	49	500	556
AQUE_000	294	1.62	311	505	1.7	477	2473	499
BELLEVUE_133	1390	1.38	116	159	0.55	1912	3689	770
BLUE_GRASS_138	1910	1.17	34	40	0.01	2239	1286	28
BLUE_GRASS_146	1704	0.31	87	27	0.01	530	765	16
BRADFORD_342	2216	0.45	180	82	0.01	1006	3022	30
BRADFORD_344	2527	1.94	69	135	2.96	4911	5676	7475
BROOMALL_001	509	1.03	113	117	0.12	524	989	61
BRYN_MAWR_141	2429	0.25	175	43	0	603	1760	0
BRYN_MAWR_142	566	1.64	111	182	0.7	929	1715	397
BUCKINGHAM_344	1539	0.49	164	81	0.58	761	2077	887
BUCKINGHAM_354	1766	0.79	98	78	0.58	1394	2286	1030
BUCKINGHAM_361	792	1.83	136	249	1.77	1448	3282	1399
BUCKINGHAM_371	2024	0.58	163	95	0.06	1181	3205	129
BUCKINGHAM_372	1145	0.21	65	13	0.1	239	257	117
BYBERRY_148	1860	1.7	74	125	0	3162	3883	0
CALLOWHILL_132	2540	0.02	74	2	0	54	67	0
CARMEL_001	483	0.02	100	2	2	8	13	967
CARMEL_004	568	1.07	79	85	1	610	805	569
CARVER_000	367	2.9	98	284	0.43	1066	1735	159
CEDARBROOK_132	668	0.13	141	19	0.16	89	210	109
CEDARBROOK_133	1302	1.25	42	53	0	1626	1143	0
CHADDS_000	446	2.55	129	330	0.04	1136	2451	18
CHURCH_003	564	0.11	195	21	1	62	202	565
CLAY_342	2434	0.51	111	57	0.43	1253	2315	1048
CRESCENTVILLE_134	1795	0.8	111	89	0.49	1443	2662	886
CRUSHER_000	751	3.4	108	368	0.01	2550	4606	4
CURLY_000	540	2.4	85	203	1.4	1294	1829	757
DELTA_001	333	2.02	68	137	0.01	674	758	2
DOYLESTOWN_002	708	0.11	68	8	1.03	80	91	727
DOYLESTOWN_004	800	1.24	99	122	1	992	1630	800
DURHAM_002	583	1.04	69	72	0	606	697	0
ELKINS_PARK_004	520	3.63	102	371	0.21	1885	3217	109
EMILIE_133	1719	0.44	74	32	1.69	751	927	2904
FIN_001	175	2.03	64	129	0	355	376	0
GLADWYNE_138	928	1.86	314	585	2.3	1727	9050	2132
GOSHEN_351	1906	1.95	122	238	1.68	3716	7550	3206
HARMONY_003	460	4.17	69	290	1.05	1920	2221	482
HARTSVILLE_005	389	1.37	54	74	2.4	532	482	934
HEATON_139	1387	1.1	49	54	1	1523	1254	1386
HEATON_141	633	1.67	84	141	0.24	1059	1491	154
HEATON_144	928	0	291	0	0	1	5	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
HEATON_167	786	3	61	184	1.81	2356	2414	1426
HEATON_169	1462	0.21	447	93	1.01	304	2265	1477
HUNTING_PARK_034	1091	1.06	156	166	0	1161	3018	0
KENNETT_SQUAR_005	303	2.87	165	473	9.01	869	2388	2729
KEYS_006	161	1	354	354	0	161	950	0
KIMBERTON_001	700	2.26	68	153	0	1582	1785	2
LARCHMONT_001	155	0.16	595	96	0	25	248	0
LARCHMONT_007	520	0.06	11	1	0	31	6	0
LENAPE_343	2324	2.85	80	227	3.56	6617	8793	8269
LENAPE_352	1736	1.39	131	182	1.34	2414	5275	2333
LINE_116_00BM	516	0.85	17	14	0.11	440	122	59
LINE_130OCR	2308	1.19	100	119	1.91	2755	4573	4406
LINE_132_00WO	594	3.16	95	298	0.78	1876	2955	462
LINE_148_00PB	2396	0.68	190	130	0.17	1637	5187	398
LINE_189_00EM	956	2.1	39	82	1.03	2010	1303	986
LINE_2235	2053	1.04	133	138	0.21	2141	4730	429
LINE_2241	1488	0.13	82	11	0	196	267	2
LINE_2252	340	1.97	68	135	0.06	670	763	20
LINE_2295	321	1.09	50	55	0.01	350	294	2
LINE_3341	54	4.93	145	717	1.06	266	645	57
LINE_534	792	2.96	32	94	0	2341	1241	0
LLANERCH_133	2290	0.14	185	26	0	327	1008	0
LLANERCH_136	1764	1.18	81	95	0	2079	2794	0
LLANERCH_141	1386	0.2	225	45	0	278	1041	0
LLANERCH_163	1393	0.15	99	14	0	203	336	0
MAPLE_HILL_000	615	4.11	151	622	3.65	2530	6372	2242
MARSHALLTON_002	404	3.17	73	231	0.08	1279	1556	32
MEDIA_012	751	1.05	37	39	0	791	485	0
MIDDLETOWN_352	1922	1.35	231	312	0.1	2601	9994	189
MORRISVILLE_011	676	0.04	78	3	0	24	31	0
NEWLINVILLE_353	2216	1.15	117	135	1.06	2557	5004	2346
NEWTOWN_SQUAR_131	654	1.24	204	254	0.01	813	2766	8
NEWTOWN_SQUAR_133	773	1.47	68	100	0.46	1140	1283	356
NORTH_WALES_342	3810	0.22	130	29	0.01	847	1835	48
NORTH_WALES_361	1877	3.28	98	321	0.66	6164	10030	1232
NORTH_WALES_366	2525	1.63	84	136	1.59	4113	5740	4023
OAKMONT_001	503	1.09	53	57	0.06	548	481	30
OAKMONT_004	657	0.14	152	21	0	90	227	0
PEACH_BOTTOM_361	205	3.92	397	1556	0.2	804	5317	42
PENCOYD_133	1263	0.73	130	96	0.21	928	2012	263
PENCOYD_134	216	0.06	353	20	0	12	71	0
PENROSE_162	605	1.24	30	38	0	749	380	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
PLYMOUTH_140	1225	1.15	121	139	0	1408	2832	0
POOLS_001	638	2.22	63	139	1.11	1414	1476	705
PULASKI_131	3159	0.14	149	21	0	443	1104	8
PULASKI_133	3569	0.7	51	35	0.62	2483	2103	2221
RICHMOND_138	1235	2.14	59	126	0.03	2648	2598	37
ROXBOROUGH_131	2013	0.38	94	35	1.03	757	1185	2070
ROXBOROUGH_134	2573	0.58	93	54	0.5	1488	2296	1283
SHEEDER_000	410	1.98	104	207	2.58	813	1413	1058
SOLEBURY_001	486	1.51	118	178	1.01	733	1438	491
SPROUL_003	577	4.26	67	285	0.01	2460	2741	7
SPROUL_004	363	1.29	44	57	1.63	469	343	593
STONY_001	399	0.75	183	137	0.01	298	910	3
TABOR_139	1846	0.45	53	24	0.61	836	738	1125
TACONY_011	1123	0.11	53	6	0	128	112	0
THOMSON_004	112	0.69	13	9	0	77	17	0
TREDYFFRIN_132	619	2.12	254	539	1.36	1311	5560	843
TULIP_000	434	0.22	54	12	0	96	86	0
UPPER_DARBY_140	1874	1.16	156	182	0.56	2181	5673	1056
WANEETA_133	2080	0.22	32	7	0.02	466	252	46
WARMINSTER_141	1366	2.13	72	153	1.49	2904	3483	2033
WARMINSTER_162	1302	0.21	209	44	0.02	274	954	21
WAYNE_133	1541	2.94	51	152	0.91	4536	3891	1402
WAYNE_134	653	4.15	78	323	0.52	2710	3517	338
WAYNE_137	1179	1.98	136	271	2.33	2338	5318	2746
WEST_BUCK_001	236	0.33	206	69	0	79	271	0
WEST_BUCK_002	444	2.12	100	213	1	941	1574	442
WESTTOWN_000	239	0.45	220	99	6.04	108	395	1443
WHITEMARSH_161	1208	1.7	57	98	1.48	2055	1965	1782
WOODBOURNE_341	4536	0.16	232	37	0	727	2815	0
WOODBOURNE_343	790	0.7	120	84	0.73	555	1109	578

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 12/31/17

ABINGTON_006

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

Planned:

Remedial efforts completed

AQUE_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

Coordinate Fusing

Planned:

Remedial efforts completed

BELLEVUE_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

Upgrade Fusing

Planned:

Remedial efforts completed

BLUE_GRASS_138

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 2 reclosers

Installed additional fuses

Planned:

Remedial efforts completed

BLUE_GRASS_146

Philadelphia County

Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Upgraded wildlife protection

Planned

Remedial efforts completed

BRADFORD_342

Chester County

Completed:

Inspected circuit visually and with thermographic camera

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

Perform regularly schedule tree clearance

Completed reliability corrective workorders

Planned:

Remedial efforts completed

BRADFORD_344

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

Perform regularly schedule tree clearance

Planned:

Remedial efforts completed

BROOMALL_001

Delaware County

Completed:

Inspected circuit visually and with thermographic camera

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

Complete regularly scheduled tree trimming

Completed reliability corrective workorders

Upgrade secondary wires

Planned:

Remedial efforts completed

BRYN_MAWR_141

Delaware County

Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Installed tripsaver

Installed 2- 13kv reclosers

Installed wildlife protection

Planned:

Remedial efforts completed

BRYN_MAWR_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

Upgrade wildlife protection

Planned:

Remedial efforts completed

BUCKINGHAM_344

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

Trimmed select areas of circuit

Installed additional fuses

Performed regularly schedule tree clearance

Replace recloser

Planned:

Remedial efforts completed

BUCKINGHAM_354

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 switch

Replaced cable

Replaced recloser

Planned:

Remedial efforts completed

BUCKINGHAM_361

Bucks County

Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective workorders

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

Planned:

Remedial efforts completed

BUCKINGHAM_371

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

URD looping

Planned:

Remedial efforts completed

BUCKINGHAM_372

Bucks County

Completed

Inspected circuit visually and with thermographic camera

Completed reliability corrective workorders

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

Planned:

Remedial efforts completed

BYBERRY_148

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

Installed wildlife protection

Replaced cable

Trimmed select areas of circuit

Installed wildlife protection

Tested/repair recloser settings

Planned:

Remedial efforts completed

CALLOWHILL_132

Philadelphia County

Completed:

Inspected circuit and with thermographic camera

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

Completed reliability corrective workorders

Installed additional lightning protection

Installed 2 -13kv reclosers

Planned:

Remedial efforts completed

CARMEL_001

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

Install additional fuses

Upgrade secondary wires

Planned:

Remedial efforts completed

CARMEL_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

Upgraded secondary wires

Planned:

Remedial efforts completed

CARVER_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

CEDARBROOK_132

Philadelphia County

Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Installed 3- 13kv reclosers

Planned:

Remedial efforts completed

CEDARBROOK_133

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 tripsaver

Installed 4 reclosers

Installed wildlife protection

Replaced cable

Upgraded service wires

Planned:

Remedial efforts completed

CHADDS_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 faulted circuit indicators

Planned:

Remedial efforts completed

CHURCH_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:

Remedial efforts completed

CLAY_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

Upgraded lightning protection

Planned:

Remedial efforts completed

CRESCENTVILLE_134

Philadelphia County

Completed:

Inspected circuit and with thermographic camera

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

Completed reliability corrective workorders

Upgraded wildlife protection

Upgraded secondary wires

Installed (3) three phase reclosers

Planned:

Remedial efforts completed

CRUSHER_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

Upgraded transformer

Replaced cable

Planned:

Remedial efforts completed

CURLY_000

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

Test switch operation

Planned:

Remedial efforts completed

DELTA_001

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

Installed recloser

Planned:

Remedial efforts completed

DOYLESTOWN_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

Installed animal protection

Installed additional fuses

Planned:

Remedial efforts completed

DOYLESTOWN_004

Bucks County

Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Planned:

Remedial efforts completed

DURHAM_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

Upgraded transformer

Installed additional fuses

Planned:

Remedial efforts completed

ELKINS_PARK_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

Planned:

Remedial efforts completed

EMILIE_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

Installed additional fuses

Planned:

Remedial efforts completed

FIN_001

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

Installed recloser

Planned:

Remedial efforts completed

GLADWYNE_138

Delaware County

Completed:

Inspected circuit and with thermographic camera

Completed reliability corrective workorders

Installed wildlife protection

Installed tree wire

Performed regularly schedule tree clearance

Installed tree wire

Planned:

Remedial efforts completed

GOSHEN_351

Chester County

Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Reconfigure URD

Planned:

Remedial efforts completed

HARMONY_003

Chester County

Completed:

Inspected circuit visually and with thermographic camera

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

Replaced lightning protection

Completed reliability corrective workorders

Planned:

Remedial efforts completed

HARTSVILLE_005

Bucks County

Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Installed additional fuses

Upgraded secondary wires

Planned:

Remedial efforts completed

HEATON_139

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 wires

Installed 4-13kv reclosers

Planned:

Remedial efforts completed

HEATON_141

Montgomery County

Completed:

Inspected circuit and with thermographic camera

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

Completed reliability corrective workorders

Installed additional fuses

Planned:

Remedial efforts completed

HEATON_144

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

HEATON_167

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 service wires

Installed tree wire

Planned:

Remedial efforts completed

HEATON_169

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

HUNTING_PARK_034

Philadelphia County

Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Planned:

Remedial efforts completed

KENNETT_SQUARE_005

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

KEYS_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

Replaced recloser

Planned:

Remedial efforts completed

KIMBERTON_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

Installed faulted circuit indicators

Planned:

Remedial efforts completed

LARCHMONT_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

Upgraded secondary wire

Planned:

Remedial efforts completed

LARCHMONT_007

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 faulted circuit indicators

Installed additional fuses

Planned:

Remedial efforts complete

LENAPE_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

Replace lightning protection

Planned:

Remedial efforts completed

LENAPE_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

Upgraded wildlife protection

Installed trip saver

Replaced recloser

Upgraded transformer

Planned:

Remedial efforts completed

LINE_116_00BM

Delaware County

Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Install (3) 3 phase recloser

Planned:

Remedial efforts completed

LINE_1300CR

Chester 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 complete

LINE_132_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

Reconfigure URD

Planned:

Remedial efforts complete

LINE_148__OOPB

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 fuses

Installed recloser

Planned:

Remedial efforts completed

LINE_189_00EM

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 3 phase recloser

Reconfigured URD

Planned:

Remedial efforts completed

LINE_2235

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

Upgrade secondary wires

Planned:

Remedial efforts completed

LINE_2241

Philadelphia County

Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Installed wildlife protection

Planned:

Remedial efforts completed

LINE_2252

Philadelphia County

Completed:

Completed reliability corrective workorders

Install switch

Replaced cable

Installed VFI's

Install switch

Planned:

Remedial efforts completed

LINE_2295

Philadelphia County

Completed:

Completed reliability corrective workorders

Planned:

Remedial efforts completed

LINE_3341

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_534

Philadelphia County

Completed:

Inspected circuit visually and with thermographic camera

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

Upgraded wildlife protection

Completed reliability corrective workorders

Planned:

Remedial efforts completed

LLANERCH_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 wildlife protection

Planned:

Remedial efforts completed

LLANERCH_136

Delaware County

Completed:

Inspected circuit visually and with thermographic camera

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

Installed additional lightning protection

Installed wildlife protection

Completed reliability corrective workorders

Installed 1-13kv recloser

Planned:

Remedial efforts completed

LLANERCH_141

Delaware County

Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Installed trip saver

Planned:

Remedial efforts completed

LLANERCH_163

Delaware County

Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Install trip saver

Upgrade cable

Planned:

Remedial efforts completed

MAPLE_HILL_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

Added communications

Planned:

Remedial efforts completed

MARSHALLTON_002

Chester County

Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Installed additional fuses

Installed express main

Planned:

Remedial efforts complete

MEDIA_012

Delaware County

Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Upgraded wildlife protection

Planned:

Remedial efforts completed

MIDDLETOWN_352

Delaware County

Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Replaced (2) reclosers

Planned:

Remedial efforts completed

MORRISVILLE_011

Bucks County

Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Upgraded transformer

Planned:

Remedial efforts completed

NEWLINVILLE_353

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

NEWTOWN_SQUARE_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 lightning protection

Performed regularly schedule tree clearance

Replaced cable

Planned:

Remedial efforts completed

NEWTOWN_SQUARE_133

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

Perform regularly schedule tree clearance

Planned:

Remedial efforts completed

NORTH WALES_342

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Planned:

Remedial efforts complete

NORTH WALES_361

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

Reconfigured URD

Planned:

Remedial efforts complete

NORTH_WALES_366

Bucks County

Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Replaced recloser

Upgraded secondary wires

Replaced cable

Planned:

Remedial efforts completed

OAKMONT_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

OAKMONT_004

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

Relocate switch

Planned:

Remedial efforts completed

PEACH BOTTOM_361

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 work orders

Test / Inspect recloser operation

Planned:

Remedial efforts completed

PENCOYD_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

Upgrade transformer

Planned:

Remedial efforts completed

PENCOYD_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

Replaced cable

Planned:

Remedial efforts completed

PENROSE_162

Philadelphia County

Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective workorders

Planned:

Remedial efforts completed

PLYMOUTH_140

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective workorders

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

Replace cable

Installed additional fuses

Planned:

Remedial efforts completed

POOLS_001

Bucks County

Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective workorders

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

Planned:

Remedial efforts completed

PULASKIE_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

Install 2- 3 phase reclosers

Installed additional fuses

Planned:

Remedial efforts completed

PULASKIE_133

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

Replace recloser

Planned:

Remedial efforts completed

RICHMOND_138

Philadelphia County

Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective work orders

Installed wildlife protection

Install (3) 3 phase reclosers

Planned:

Remedial efforts completed

ROXBOROUGH_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 wildlife protection

Planned:

Remedial efforts completed

ROXBOROUGH_134

Philadelphia County

Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Installed wildlife protection

Installed 4-13kv reclosers

Planned:

Remedial efforts completed

SHEEDER_000

Chester County

Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Planned:

Remedial efforts completed

SOLEBURY_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 work orders

Installed tree wire

Installed additional fuses

Planned:

Remedial efforts completed

SPROUL_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

SPROUL_004

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

Planned:

Remedial efforts completed

STONY_001

Bucks County

Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective workorders

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

Planned:

Remedial efforts completed

TABOR_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

Completed reliability corrective workorders

Installed 4 -13kv reclosers

Planned:

Remedial efforts completed

TACONY_011

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

Repaired cable

Planned:

Remedial efforts completed

THOMSON_004

Delaware County

Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective work orders

Install faulted circuit indicators

Planned:

Remedial efforts completed

TREDYFFRIN_132

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 tree wire
Upgraded fuses
Installed tree wire

Planned:

Remedial efforts completed

TULIP_000

Philadelphia County

Completed:

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

Planned:

Remedial efforts completed

UPPER_DARBY_140

Delaware County

Completed:

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

Planned:

Remedial efforts completed

WANEETA_133

Philadelphia County

Completed:

Completed reliability corrective workorders

Planned:

Remedial efforts completed

WARMINSTER_141

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
Upgraded fuses

Planned:

Remedial efforts completed

WARMINSTER_162

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

Install 2-13kv recloser

Planned:

Remedial efforts completed

WAYNE_133

Delaware County

Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Planned:

Remedial efforts completed

WAYNE_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

Upgraded secondary wires

Planned:

Remedial efforts completed

WAYNE_137

Delaware County

Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Upgraded wildlife protection

Installed tree wire

Planned:

Remedial efforts completed

WEST_BUCK_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

Installed additional fuses

Planned:

Remedial efforts completed

WEST_BUCK_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 work orders

Installed additional fuses

Installed tree wire

Upgraded secondary wires

Planned:

Remedial efforts completed

WESTOWN_000

Chester County

Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Upgraded secondary wires

Installed trip saver

Planned:

Remedial efforts completed

WHITEMARSH_161

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Upgrade secondary wires

Upgrade wildlife protection

Install tree wire

Planned:

Remedial efforts completed

WOODBOURNE_341

Bucks County

Completed:

Inspected circuit visually and with thermographic camera

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

Replaced cable

Completed reliability corrective workorders

Installed 3 34kv reclosers

Planned:

Remedial efforts completed

WOODBOURNE_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

Reconfigure URD

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).