



An Exelon Company

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January 30, 2015

**Via Federal Express**

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

**Re: PECO 2014 Fourth Quarter Electric Service Reliability Report  
PUC Docket No. L-00030161**

Dear Secretary Chiavetta:

In accordance with Electric Service Reliability Regulations at 52 Pa. Code Chapter 57, enclosed is PECO's 2014 Quarterly Reliability Report for the period ending December 31, 2014.

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 and Proprietary" header on each page, be kept confidential, pursuant to the Commission Order of March 20, 2006.

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

Sincerely,

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

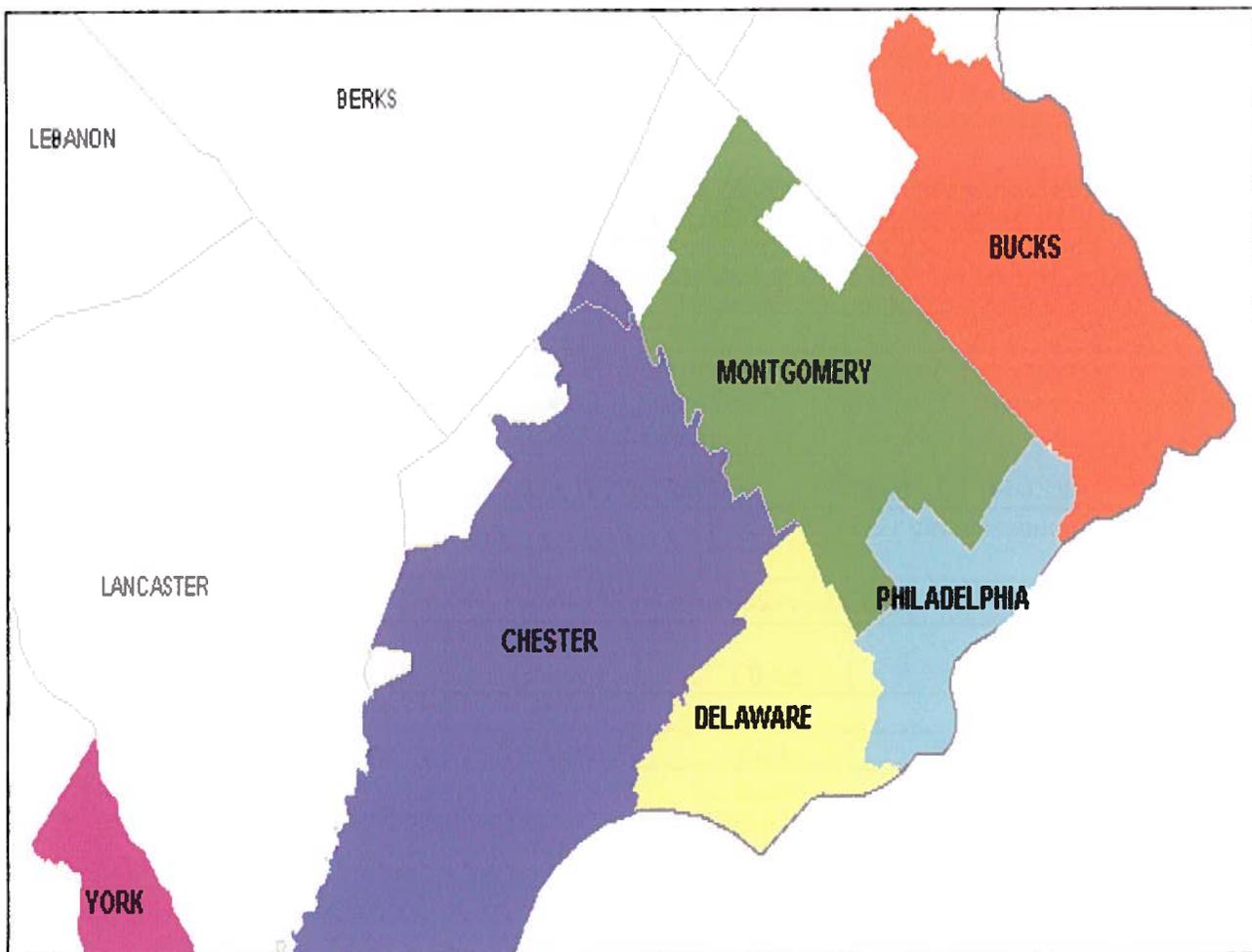
Cc: Office of Consumer Advocate  
Office of Small Business Advocate

Enclosure

SAN/mec



# PECO Energy Company Quarterly Reliability Report For Period Ending December 31, 2014



**February 1, 2015**

**PECO Energy ("PECO")**

**Quarterly Reliability Report for the Period Ending December 31, 2014 filed with the Pennsylvania Public Utility Commission.**

Submitted per Rulemaking Re: Amending Electric Service, Docket No. L-00030161 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."

No major events occurred during the 4<sup>th</sup> quarter of 2014.

**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
1,718,220	1,481,044	2,360,804	763,746	141,648,235	0.86	96	82	0.44

Data reflects 12 months ending 12/31/2014.

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 for 2014 were selected based on a weighted score combining customer interruptions, customer hours, SAIFI and SAIDI, 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, 2014					
Cause	Service Outages	% of Service Outages	Customer Interruptions	% of Customer Interruptions	Customer Minutes
Animal	1,098	9.20%	36,176	2.40%	2,471,626
Contact/Dig-In	93	0.80%	12,191	0.80%	783,818
Equipment Failure	4,608	38.80%	650,551	43.90%	60,134,005
Lightning	542	4.60%	62,202	4.20%	7,757,153
Other	1,467	12.30%	145,210	9.80%	11,869,099
T&S	8	0.10%	56,709	3.80%	2,926,713
Unknown	547	4.60%	66,906	4.50%	5,168,255
Vegetation-Broken/Uprooted	2,213	18.60%	290,863	19.60%	34,306,501
Vegetation-Ingrowth	941	7.90%	74,561	5.00%	9,100,718
Vehicles	367	3.10%	86,019	5.80%	7,176,815

\*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 (19.6% of all outages), as opposed to ingrowth (5.0%) of all outages). 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).”

Data not required for 4<sup>th</sup> 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.)

Data not required for 4<sup>th</sup> 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.)

Data not required for 4<sup>th</sup> 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, 2014 was as follows:

Aerial Lineman	377
Underground Lineman (Include UTS)	47
Transmission / Substation Mechanics, Operators	96
Energy Technicians	95
Aerial Foreman	61
Underground Foreman	18
Transmission / Substation Foreman	30
ET Foreman	5
	729

**Contact Persons:**

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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	757	4.03	44	175	1.00	3,050	2,214	755
AMBLER_001	564	2.51	167	418	0.00	1,413	3,932	0
AQUE_000	308	1.18	61	72	3.00	363	371	924
ARDMORE_017	417	3.00	115	345	0.00	1,252	2,401	0
AVONDALE_002	178	1.03	148	153	1.00	184	455	178
BIG_OAK_002	805	1.68	75	125	1.00	1,349	1,679	805
BLUE GRASS_140	1,677	2.46	51	126	0.00	4,131	3,518	1
BLUE GRASS_136	1,217	2.36	60	142	0.00	2,873	2,884	0
BRISTOL_012	882	0.00	0	0	1.00	0	0	882
BRYAN_001	485	0.34	211	71	2.00	164	575	972
BRYAN_002	398	1.23	173	213	0.00	490	1,415	1
BRYN MAWR_012	199	1.63	352	574	0.00	325	0	0
BUCKNELL_000	477	0	0	0	0	0	0	0
BURHOLME_135	934	0.23	771	180	0.00	218	2,802	0
BYBERRY_132	737	1.31	115	150	0.00	963	1,848	0
BYBERRY_142	771	1.79	102	182	0.36	1,383	2,343	281
BYBERRY_146	528	1.03	60	62	0.00	544	545	0
CARVER_000	373	1.12	91	102	0.26	419	633	97
CLAY_343	1,479	2.23	150	334	2.47	3,303	8,235	3660
CLAY_352	1,410	1.13	105	119	0.05	1,599	2,786	69
CONCORD_348	1,509	1.02	127	129	0.00	1,532	3,248	3
DALEVILLE_342	701	1.61	115	185	1.54	1,129	2,166	1082
DAVISVILLE_008	211	0.04	560	21	4.00	8	75	845
DELTA_001	370	5.94	127	752	2.00	2,197	4,638	740
DELTA_002	342	4.93	91	447	2.11	1,686	2,549	720
DOWNINGTOWN_003	986	0.40	113	46	0.02	399	754	18
EAGLE_352	1,636	0.62	74	46	1.30	1,013	1,247	2126
EDGELY_003	465	1.39	62	87	3.99	647	672	1855
EMILIE_131	475	1.64	125	205	0.00	778	1,627	0
FALLS_011	327	3.53	149	525	0.00	1,154	2,861	1
FLINT_147	168	2.61	177	463	0.01	439	1,298	2
FOX CHASE_136	844	2.12	56	119	0.00	1,786	1,669	0
HAGYS_001	277	3.00	123	368	0.00	830	1,701	0
HARMONY_004	393	3.08	28	88	0.68	1,211	574	269
HARMONY_005	1,083	2.40	28	68	1.82	2,597	1,219	1967
HARVEY_002	681	0.14	82	12	0.00	97	133	0
HAYES_000	403	2.04	65	133	1.00	824	892	403
HEARTWOOD_001	588	3.19	85	270	0.00	1,877	2,646	2
HEATON_160	221	1.10	74	81	0.00	242	298	0
HENDERSON_001	516	0.08	307	26	1.00	43	220	516
ISLAND ROAD_136	1,602	0.31	335	104	0.00	497	2,775	0
JAMISON_000	312	1.04	42	44	1.00	324	227	312
JARRETT_143	735	1.64	87	142	0.13	1,202	1,742	98
JENKINTOWN_131	1,247	1.88	85	160	0.42	2,347	3,326	529
KELLER_000	400	1.03	71	73	0.42	413	488	168
KENNETT SQUAR_001	415	1.23	111	136	2.00	511	944	828

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
KING_003	220	0.00	0	0	6.00	0	0	1320
KING_004	213	0.00	0	0	1.00	0-	0	212
KNOWLTON_004	633	0.07	65	4	0.00	43	46	0
LENAPE_000	475	1.43	260	370	0.05	677	2,932	24
LENAPE_344	1,875	0.40	178	72	0.58	757	2,246	1095
LENAPE_351	1,708	0.75	184	137	1.74	1,274	3,911	2967
LEOPARD_001	465	0.81	105	84	2.00	375	653	932
LINE_1098	699	1.00	59	59	0.00	699	687	0
LINE_162_00	1,163	2.24	209	468	0.78	2,606	9,076	902
LINE_175_00CO	338	0.42	182	76	0.00	141	428	0
LINE_2235	2,121	1.48	88	130	1.65	3,131	4,593	3495
LINE_2284	338	0.10	169	17	0.00	34	96	0
LINE_2295	256	1.92	277	533	0.00	492	2,273	0
LINE_2445	527	2.48	160	396	0.30	1,308	3,478	156
LINE_2471	1,131	1.36	110	149	0.00	1,538	2,815	0
LINE_3307NT	1,839	1.15	102	117	2.84	2,124	3,600	5220
LINE_3308NT	964	3.19	91	291	0.20	3,074	4,679	192
LINE_3341	56	2.89	55	159	0.00	162	148	0
LINE_5800	417	1.09	34	37	1.00	453	257	417
LLANERCH_161	1,216	1.89	75	141	0.27	2,298	2,861	323
MACDADE_141	1,180	0.21	192	41	0.01	249	798	7
MACDADE_143	1,808	1.55	57	88	2.27	2,808	2,665	4110
MAIN_000	55	2.95	177	522	0.00	162	478	0
MARPLE_002	284	0.79	256	201	0.00	223	950	0
MATSON_131	801	3.68	98	362	0.59	2,944	4,831	472
MIDDLETOWN_349	2,045	3.38	80	271	0.62	6,913	9,226	1278
MORGAN_001	248	1.02	84	86	1.00	254	355	248
MORGAN_004	319	0.45	108	49	1.00	145	262	320
MORTON_133	785	1.26	102	128	0.03	989	1,676	20
MOSER_341	983	2.98	44	132	0.00	2,927	2,161	0
NEWLINVILLE_353	2,530	1.00	61	61	0.47	2,538	2,593	1186
NEWTOWN_SQUAR_143	1,056	0.81	124	100	0.00	857	1,765	0
NEWTOWN_SQUAR_144	1,550	1.68	80	134	0.55	2,605	3,458	860
NEWTOWN_SQUAR_146	1,203	0.49	131	64	1.23	590	1,283	1479
OAKMONT_002	631	0.06	36	2	0.00	36	21	0
OVERBROOK_029	163	0.01	197	2	0.00	2	7	0
OVERBROOK_037	1,908	0.03	535	14	0.00	50	446	0
PHOENIXVILLE_005	993	1.35	106	143	1.03	1,345	2,375	1023
PLUMSTEAD_001	338	1.01	79	80	2.00	342	452	675
PLYMOUTH_136	707	3.16	72	226	0.00	2,233	2,665	0
PLYMOUTH_138	987	0.65	88	57	0.40	637	940	391
PLYMOUTH_139	709	0.43	66	28	0.15	304	335	105
PLYMOUTH_145	744	2.79	89	248	0.42	2,073	3,076	313
PLYMOUTH_146	1,385	0.25	108	27	1.00	350	632	1384
PLYMOUTH_164	1,369	0.17	230	39	0.00	233	893	0
RADNOR_131	38	2.71	102	276	0.00	103	175	0
SAVILLE_136	2,586	1.67	76	127	0.40	4,307	5,489	1037
SECANE_003	1,022	2.07	34	70	1.00	2,118	1,197	1022
SHEEDER_000	434	1.96	117	230	0.29	851	1,661	126
SILES_004	517	1.38	48	67	1.00	716	577	517

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
SMITHBRIDGE_000	480	3.40	68	232	3.60	1,631	1,853	1729
SPROUL_003	591	1.37	85	117	0.00	810	1,154	0
STONY_001	413	0.49	136	67	3.00	203	459	1239
TAYLOR_002	576	1.71	120	205	0.36	983	1,966	210
TREDYFFRIN_132	636	2.49	106	263	1.44	1,584	2,789	914
TULIP_000	458	1.00	14	14	0.00	458	109	0
TUNA_143	760	0.02	269	5	0.00	13	58	0
UNIVERSITY_011	382	0.07	197	13	0.00	26	85	0
UPPER_MERION_132	1,458	0.45	123	56	0.00	661	1,352	0
UPPER_MERION_133	1,152	0.87	120	105	0.53	1,005	2,011	614
WARMINSTER_132	1,001	3.01	81	243	0.44	3,012	4,057	444
WARMINSTER_161	1,509	1.35	65	88	0.30	2,030	2,203	455
WAYNE_134	684	1.80	77	138	0.55	1,231	1,570	378
WAYNE_136	882	2.64	60	159	2.17	2,325	2,337	1911
WAYNE_146	586	4.31	112	484	0.84	2,527	4,728	491
WHITAKER_000	247	1.01	210	212	0.00	249	871	0
WICKER_001	383	1.28	102	131	3.04	491	837	1163
WYNCOTE_003	215	2.06	208	428	0.07	442	1,532	15

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 12/31/14

### **AIRY\_004**

Montgomery County

#### **Completed:**

Inspected circuit visually and with thermographic camera  
Completed reliability corrective workorders

#### **Planned:**

Remedial efforts completed

### **AMBLER\_001**

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  
Upgraded wire  
Installed sectionalizer

#### **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  
Upgraded transformer

#### **Planned:**

Remedial efforts completed

### **ARDMORE\_017**

Delaware County

#### **Completed:**

Completed reliability corrective workorders  
Inspected/ repaired switch

#### **Planned**

Remedial efforts completed

### **AVONDALE\_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  
Upgraded transformer

#### **Planned:**

Remedial efforts completed

**BIG OAK\_002**

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

Upgraded transformer

Installed additional fuses

Installed faulted circuit indicators

**Planned:**

Remedial efforts completed

**BLUE GRASS\_136**

Philadelphia County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Replaced//Upgraded cable

Installed additional fuses

Installed three phase recloser

**Planned:**

Remedial efforts completed

**BLUE GRASS\_140**

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 / upgraded fuses

**Planned:**

Remedial efforts completed

**BRISTOL\_012**

Bucks County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed regularly scheduled tree trimming

Completed reliability corrective workorders

Upgraded wires

**Planned:**

Remedial efforts completed

**BRYAN\_001**

York County

**Completed:**

Inspected circuit visually and with thermographic camera

Completed reliability corrective workorders

Installed additional fuses

Installed Faulted circuit indicators

**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

Completed reliability corrective workorders

Installed additional fuses

**Planned:**

Remedial efforts completed

**BRYN MAWR\_012**

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

Completed regularly scheduled tree trimming

**Planned:**

Remedial efforts completed

**BUCKNELL\_000**

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

Replace aerial cable

**Planned:**

Remedial efforts completed

**BURHOLME\_135**

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

Install additional fuses

Upgraded cable

Installed 3 phase recloser

**Planned:**

Remedial efforts completed

**BYBERRY\_132**

Montgomery County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Installed (2) three phase reclosers

**Planned:**

Remedial efforts completed

**BYBERRY\_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

Installed additional fuses

Repaired cable

Installed 3 phase recloser

**Planned:**

Remedial efforts completed

**BYBERRY\_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

Replaced switch

Upgraded lightning protection

Installed cable

**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

Upgraded fuses

**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

Completed regularly scheduled tree trimming

**Planned:**

Remedial efforts completed

**CLAY\_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

Completed regularly scheduled tree trimming

**Planned:**

Remedial efforts completed

**CONCORD\_348**

Delaware County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Completed regularly scheduled tree trimming

**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

Upgraded lightning protection

Installed additional fuses

Completed regularly scheduled tree trimming

**Planned:**

Remedial efforts completed

**DAVISVILLE\_008**

Montgomery County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Installed breakdown

Completed reliability corrective workorders

**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

**Planned:**

Remedial efforts completed

**DELTA\_002**

York 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

**DOWNINGTOWN\_003**

Chester County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Install additional fuses

**Planned:**

Remedial efforts completed

**EAGLE\_352**

Chester County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed regularly scheduled tree clearance

Completed reliability corrective workorders

Installed additional fuses

**Planned:**

Remedial efforts completed

**EDGELY\_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

Completed regularly scheduled tree clearance

**Planned:**

Remedial efforts completed

**EMILIE\_131**

Bucks County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Complete regularly scheduled tree trimming

Upgrade transformer

**Planned:**

Remedial efforts completed

**FALLS\_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

Installed additional fuses

Upgraded transformer

Install 2 – 3 phase reclosers

**Planned:**

Remedial efforts completed

**FLINT\_147**

Delaware County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

**Planned:**

Remedial efforts completed

**FOX\_CHASE\_136**

Montgomery County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Upgraded transformer

Upgraded lightning protection

Installed 3 phase recloser

**Planned:**

Remedial efforts completed

**HAGYS\_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

Install faulted circuit indicators

Modify fuse coordination

**Planned:**

Remedial efforts completed

**HARMONY\_004**

Chester County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Inspected Breaker Operation

**Planned:**

Remedial efforts completed

**HARMONY\_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

Installed additional fuses

Upgraded transformer

**Planned**

Remedial efforts completed

**HARVEY\_002**

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 additional fuses

**Planned:**

Remedial efforts completed

**HAYES\_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

**HEARTWOOD\_001**

Bucks County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

**Planned:**

Remedial efforts completed

**HEATON\_160**

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

**HENDERSON\_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

Installed additional fuses

Installed faulted circuit indicators

**Planned:**

Remedial efforts completed

**ISLAND\_ROAD\_136**

Philadelphia County

**Completed:**

Inspected circuit visually and with thermographic camera

Completed reliability corrective workorders

Installed additional fusing

Replaced cable

**Planned:**

Remedial efforts completed

**JAMISON\_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

Upgraded fuses

Upgraded transformer

**Planned:**

Remedial efforts completed

**JARRETT\_143**

Montgomery County

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

**Planned:**

Remedial efforts completed

**JENKINTOWN\_131**

Montgomery County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Upgraded transformer

Install additional fuses

Installed 2- 3 phase reclosers

**Planned:**

Remedial efforts completed

**KELLER\_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

Install 3 phase recloser on supply circuit

**Planned:**

Remedial efforts completed

**KENNETT\_SQUARE\_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

**Planned:**

Remedial efforts completed

**KING\_003**

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

Test recloser operation

**Planned:**

Remedial efforts complete

**KING\_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

Coordinated fusing

Upgraded fuses

Upgraded transformer

**Planned:**

Remedial efforts complete

**KNOWLTON\_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

Upgraded transformer

**Planned:**

Remedial efforts complete

**LENAPE\_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

Install faulted circuit indicators

Upgraded transformer

Replaced cable

**Planned:**

Remedial efforts complete

**LENAPE\_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

Install 2 – 3 Phase reclosers

**Planned:**

Remedial efforts completed

**LENAPE\_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

Upgraded transformer

Installed 3 phase recloser

**Planned:**

Remedial efforts completed

**LEOPARD\_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

Completed regularly scheduled tree clearance

Upgraded transformer

Installed tree wire

**Planned:**

Remedial efforts completed

**LINE\_1098**

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

Replace cable section

Test / Inspect breaker

**Planned:**

Remedial efforts completed

**LINE\_162\_00**

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

Replaced cable

Installed lightning protection

**Planned:**

Remedial efforts completed

**LINE\_175\_00CO**

Chester County

**Completed:**

Completed regularly scheduled tree trimming

Inspected circuit visually and with thermographic camera

Installed 3 phase recloser

Upgraded fuses

**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

Repaired station leg cable

Extend circuit

Upgrade mains and services

Install additional fuses

**Planned:**

Remedial efforts completed

**LINE\_2284**

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

**LINE\_2295**

Philadelphia County

**Completed:**

Completed reliability corrective workorders

Replaced cable

**Planned:**

Remedial efforts completed

**LINE\_2445**

Philadelphia County

**Completed:**

Completed reliability corrective workorders

Replaced cable

Replaced switches

**Planned:**

Remedial efforts completed

**LINE\_2471**

Philadelphia County

**Completed:**

Completed reliability corrective workorders

Replaced cable section

**Planned:**

Remedial efforts completed

**LINE\_3307NT**

Chester County

**Completed:**

Inspected circuit visually and with thermographic camera

Complete reliability corrective workorders

Upgraded transformer

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

**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

Repaired switch

**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

Installed recloser

Replaced switch

**Planned:**

Remedial efforts completed

**LINE\_5800**

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

Inspected/ tested recloser operation

**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

Completed regularly scheduled tree trimming

Installed additional fuses

Tested / Inspected recloser operation

Upgraded lightning protection

Upgraded secondary wires

Installed 3 single phase reclosers

**Planned:**

Remedial efforts complete

**MACDADE\_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

Upgraded lightning protection

Installed additional fuses

Installed wildlife protection

Installed 3 phase recloser

**Planned:**

Remedial efforts completed

**MACDADE\_143**

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

Upgraded wildlife protection

Installed additional fuses

**Planned:**

Remedial efforts completed

**MAIN\_000**

Philadelphia County

**Completed:**

Inspected circuit visually and with thermographic camera

Completed reliability corrective workorders

Installed additional fuses

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

**Planned:**

Remedial efforts completed

**MARPLE\_002**

Delaware County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Completed regularly scheduled tree trimming

Installed additional fuses

Installed 3 phase recloser

Upgraded transformer

Installed lightning protection

Installed tree wire

**Planned:**

Remedial efforts completed

**MATSON\_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 tree wire

Completed regularly scheduled tree trimming

Upgraded 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 fuse coordination

Replaced switch

Installed additional fuses

Upgraded lightning protection

Upgraded transformer

Inspect recloser operation

**Planned:**

Remedial efforts completed

**MORGAN\_001**

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 trip saver

Installed additional fuses

**Planned:**

Remedial efforts completed

**MORGAN\_004**

Bucks County

**Completed:**

Inspected circuit visually and with thermographic camera

Completed reliability corrective workorders

Installed additional fuses

Coordinate fuses

Upgraded transformer

Installed 3 phase recloser

**Planned:**

Remedial efforts completed

**MORTON\_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

Installed additional animal protection

Installed additional fuses

Completed regularly scheduled tree trimming

Installed 3 phase recloser

**Planned:**

Remedial efforts completed

**MOSER\_341**

Montgomery County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Completed regularly scheduled tree trimming

Replaced secondary mains

**Planned:**

Remedial efforts completed

**NEWLINVILLE-353**

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

Upgraded fuse

Upgraded wildlife protection

**Planned:**

Remedial efforts completed

**NEWTOWN\_SQUARE\_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 additional fuses

Installed wildlife protection

Upgraded transformer

Completed regularly schedule tree trimming

**Planned:**

Remedial efforts completed

#### **NEWTOWN\_SQUARE\_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

Test / Inspect recloser operation

Completed regularly schedule tree trimming

Upgrade animal protection

##### **Planned:**

Remedial efforts completed

#### **NEWTOWN\_SQUARE\_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

Completed regularly schedule tree trimming

Installed additional fuses

Replaced cable section

##### **Planned:**

Remedial efforts completed

#### **OAKMONT\_002**

Delaware County

##### **Completed:**

Inspected circuit visually and with thermographic camera

Installed switch

Completed reliability corrective work orders

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

Completed regularly schedule tree trimming

Upgraded lightning protection on supply line

##### **Planned:**

Remedial efforts completed

#### **OVERBROOK\_029**

Philadelphia County

##### **Completed:**

Inspected circuit visually and with thermographic camera

Completed reliability corrective work orders

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

##### **Planned:**

Remedial efforts completed

#### **OVERBROOK\_037**

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 work orders

##### **Planned:**

Remedial efforts completed

**PHOENIXVILLE\_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 work orders

Upgraded transformer

**Planned:**

Remedial efforts completed

**PLUMSTEAD\_001**

Bucks County

**Completed:**

Inspected circuit visually and with thermographic camera

Completed reliability corrective work orders

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

Install lightning protection

**Planned:**

Remedial efforts completed

**PLYMOUTH\_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 work orders

Upgraded lightning protection

Installed additional fuses

Upgraded transformers

**Planned:**

Remedial efforts completed

**PLYMOUTH\_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 work orders

Repaired station leg cable

Replaced secondary mains

Installed additional fuses

**Planned:**

Remedial efforts completed

**PLYMOUTH\_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 work orders

Upgraded lightning protection

**Planned:**

Remedial efforts completed

**PLYMOUTH\_145**

Montgomery County

**Completed:**

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

**Planned:**

Remedial efforts completed

**PLYMOUTH\_146**

Montgomery County

**Completed:**

Inspected circuit visually and with thermographic camera  
Inspected selected areas of circuit for vegetation issues and corrected as needed  
Completed reliability corrective work orders  
Installed additional fuses  
Upgraded secondary main

**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 work orders  
Installed additional fuses

**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  
Check recloser coordination

**Planned:**

Remedial efforts completed

**SAVILLE\_136**

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  
Repaired station leg cable  
Test / Inspect recloser  
Installed three phase recloser

**Planned:**

Remedial efforts completed

**SECANE\_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 work orders  
Repaired station leg cable

**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 work orders  
Coordinate fusing  
Upgrade lightning protection  
Completed regularly schedule tree trimming

**Planned:**

Remedial efforts completed

**SILES\_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 work orders  
Installed additional fuses  
Upgraded transformer

**Planned:**

Remedial efforts completed

**SMITHBRIDGE\_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 work orders  
Installed additional lightning protection  
Installed additional transformer

**Planned:**

Remedial efforts completed

**SPROUL\_003**

Delaware County

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

**Planned:**

Remedial efforts completed

**STONY\_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

Replaced cable

Installed additional fuses

**Planned:**

Remedial efforts completed

**TAYLOR\_002**

Philadelphia County

**Completed:**

Completed reliability corrective work orders

Tested / Inspected switch

**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 work orders

Installed additional fuses

**Planned:**

Remedial efforts completed

**TULIP\_000**

Philadelphia County

**Completed:**

Completed reliability corrective work orders

Installed Faulted Circuit Interrupters

Replaced cable

Installed breakdown

**Planned:**

Remedial efforts completed

**TUNA\_143**

Philadelphia County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Install breakdown

**Planned:**

Remedial efforts completed

**UNIVERSITY\_011**

Philadelphia County

**Completed:**

Installed Faulted Circuit Indicators

Completed reliability corrective workorders

Repaired station leg cable

**Planned:**

Remedial efforts complete

**UPPER\_MERION\_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

**Planned:**

Remedial efforts completed

**UPPER\_MERION\_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

Upgrade mains and services

Installed wildlife protection

**Planned:**

Remedial efforts complete

**WARMINSTER\_132**

Bucks County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Installed additional fuses

Upgraded secondary wires

**Planned:**

Remedial efforts completed

**WARMINSTER\_161**

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 secondary wires

**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  
Installed transformer  
Replaced tree wire

**Planned:**

Remedial efforts complete

**WAYNE\_136**

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 lightning protection  
Installed additional animal protection

**Planned:**

Remedial efforts complete

**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

**Planned:**

Remedial efforts complete

**WHITAKER\_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

**Planned:**

Remedial efforts complete

**WICKER\_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

**Planned:**

Remedial efforts complete

**WYNCOTE\_003**

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 transformer

**Planned:**

Remedial efforts complete

## 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).