

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, 2019

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

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

Dear Secretary Chiavetta:

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

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

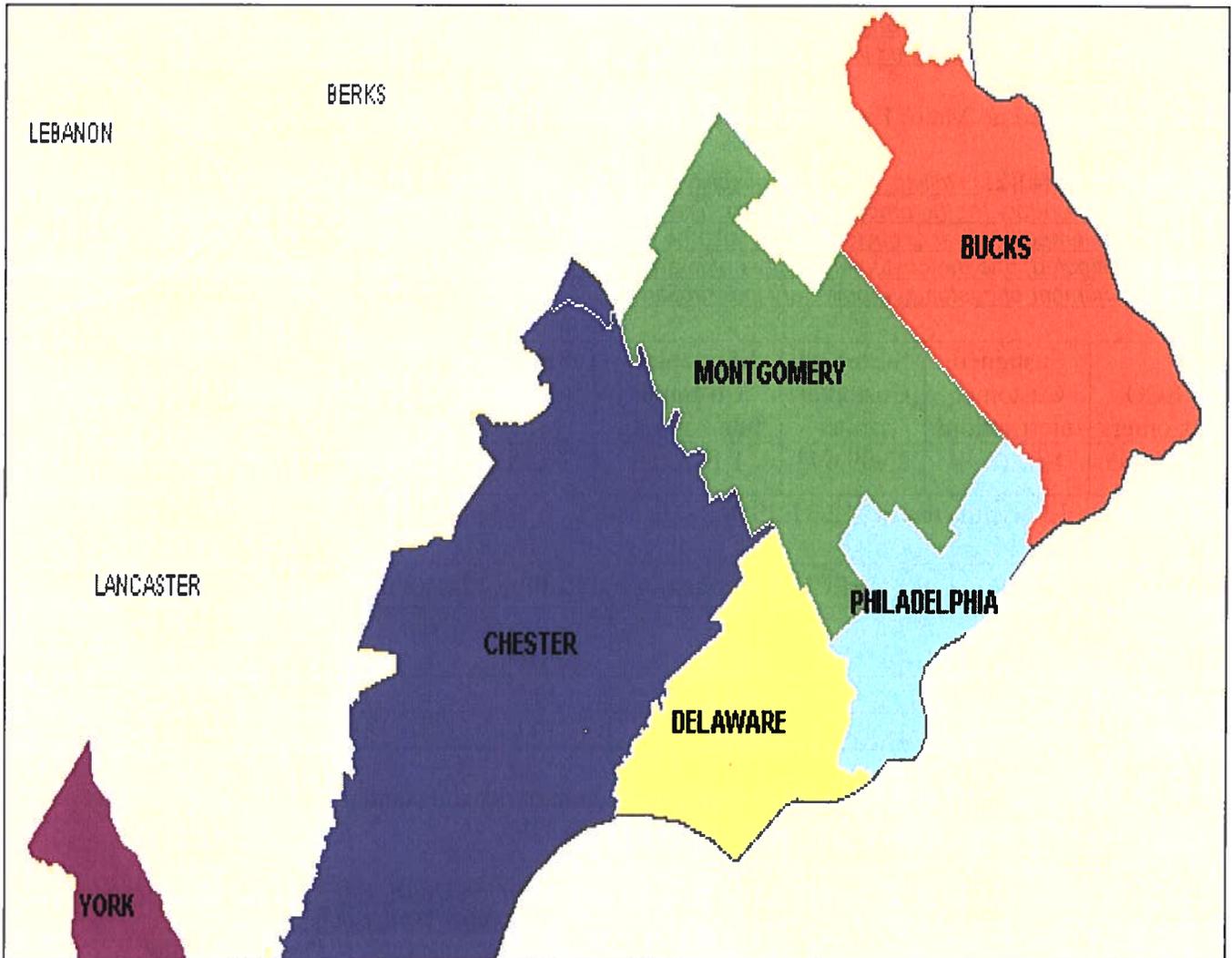
If you have any questions regarding this matter, please call me at 215-841-5777.

Sincerely,



Enclosure

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



**February 1, 2019**

## PECO Energy (“PECO”)

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

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

**Section 57.195(e)(1)** “A description of each major event that occurred during the preceding quarter, including the time and duration of the event, the number of customers affected, the cause of the event and any modified procedures adopted in order to avoid or minimize the impact of similar events in the future.”

PECO experienced no Major Events in the fourth quarter of 2018.

**Section 57.195(e)(2)** “Rolling 12-month reliability index values (SAIFI, CAIDI, SAIDI, and if available, MAIFI) for the EDC’s service territory for the preceding quarter. The report shall include the data used in calculating the indices, namely the average number of customers served, the number of sustained customer interruptions, the number of customers affected, and the customer minutes of interruption. If MAIFI values are provided, the report shall also include the number of customer momentary interruptions.”

PECO Customers	Sustained Customer Interruptions	Sustained Customer Hours	Momentary Customer Interruptions	Sustained Customer Minutes	SAIFI	CAIDI	SAIDI	MAIFI
1,649,295	1,592,149	2,909,692	1,167,283	174,581,540	0.97	110	106	0.71

Data reflects 12 months ending 12/31/2018.

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

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

**Section 57.195(e)(3)** “Rolling 12-month reliability index values (SAIFI, CAIDI, SAIDI, and if available, MAIFI) and other pertinent information such as customers served, number of interruptions, customer minutes interrupted, number of lockouts, and so forth, for the worst performing 5% of the circuits in the system. An explanation of how the EDC defines its worst performing circuits shall be included.”

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

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

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

**Section 57.195(e)(5)** "A Rolling 12-month breakdown and analysis of outage causes during the preceding quarter, including the number and percentage of service outages, the number of customers interrupted, and customer interruption minutes categorized by outage cause such as equipment failure, animal contact, tree related, and so forth. Proposed solutions to identified service problems shall be included."

12 Months Ending December 31, 2018					
Cause	Service Outages	% of Service Outages	Customer Interruptions	% of Customer Interruptions	Customer Minutes
Animal	1,095	8.0%	31,147	2.0%	2,371,282
Contact/Dig-In	130	0.9%	24,170	1.5%	1,538,050
Equipment Failure	5,820	42.5%	698,955	43.9%	73,565,519
Lightning	394	2.9%	43,305	2.7%	5,390,950
Other	1,515	11.1%	195,646	12.3%	16,126,957
T&S	17	0.1%	20,928	1.3%	854,938
Unknown	720	5.3%	64,618	4.1%	4,970,129
Vegetation-Broken/Uprooted	2,476	18.1%	350,669	22.0%	51,381,896
Vegetation-Ingrowth	1,134	8.3%	79,073	5.0%	10,541,453
Vehicles	385	2.8%	83,638	5.3%	7,840,366

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

The largest contributors to customer interruptions were equipment failure and tree-related interruptions. The leading groups within the equipment failure category were aerial equipment and underground equipment. Equipment is replaced based on observed trends under reliability programs and the System 2020 Long-term Infrastructure Investment Plan. Most customer interruptions caused by trees came from broken branches and tree trunks or uprooted trees (22.0% of all customer interruptions), as opposed to ingrowth (5.0% 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 to 2018, and will further accelerate removals in 2019.

**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 the second week of January 2019 was as follows:

Aerial Lineman	437
Underground Lineman (Include UTS)	58
Transmission / Substation Mechanics, Operators	102
Energy Technicians	92
Aerial Foreman	66
Underground Foreman	19
Transmission / Substation Foreman	32
ET Foreman	5
Total	811

**Contact Persons:**

Steven Singh  
Vice President, Technical Services  
(215) 841-4772  
[Steven.singh@exeloncorp.com](mailto:Steven.singh@exeloncorp.com)

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

## Appendix A

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

CIRCUIT	CUSTOMERS ON CIRCUIT	12 Month Rolling Circuit SAIFI	12 Month Rolling Circuit CAIDI	12 Month Rolling Circuit SAIDI	12 Month Rolling Circuit MAIFI	12 Month Rolling Customers Interrupted	12 Month Rolling Customer Hours	12 Month Rolling Momentary Customers Interrupted
BALA_133	1,471	0.3	254	76	0.01	437	1,852	20
BETHAYRES_002	498	0.12	457	57	1	62	472	500
BETHAYRES_135	735	1.29	69	90	2.59	949	1,099	1,900
BETZWOOD_351	1,212	3.41	48	163	4.92	4,137	3,289	5,967
BLUE_GRASS_141	1,557	0.04	414	17	0	63	435	0
BOYD_000	436	4.19	32	136	1.28	1,825	985	557
BRYN_MAWR_132	1,668	2.01	76	154	0.47	3,359	4,272	785
BRYN_MAWR_143	211	2.09	76	159	0	441	559	0
BRYN_MAWR_146	888	2.07	130	269	1.12	1,837	3,976	994
BUCKINGHAM_343	1,945	0.81	136	111	1.02	1,581	3,586	1,977
BUCKINGHAM_346	2,725	5.12	105	536	2.15	13,953	24,328	5,853
BUCKINGHAM_351	1,896	9.16	81	744	5.99	17,358	23,507	11,358
BYBERRY_132	723	2	85	170	0.44	1,443	2,046	321
CABOT_002	318	1.2	148	177	1	381	938	318
CEDARBROOK_131	1,006	1.21	115	140	0.47	1,221	2,345	470
CEDARBROOK_136	583	2.25	159	358	0.02	1,310	3,482	14
CHALFONT_003	479	1.44	42	60	2.76	690	482	1,324
COOPER_371	92	0.98	455	445	0	90	682	0
CONCORD_347	1,626	0.66	86	57	0.63	1,072	1,541	1,025
CONCORD_348	1,520	0.65	229	148	0	981	3,739	0
CONCORD_351	1,825	2.67	92	245	3.05	4,866	7,445	5,559
CONCORD_352	783	1.79	156	279	0.59	1,402	3,635	465
CORNOG_001	465	1.13	42	48	0	526	371	1
DALEVILLE_342	615	2.26	437	986	0.05	1,387	10,111	32
EDDINGTON_132	1,314	3.01	59	177	0.3	3,951	3,886	400
ELLWOOD_001	804	2.9	88	254	0	2,330	3,400	0
EMILIE_131	399	1.23	86	105	0.03	491	700	12
EMILIE_132	1,286	0.19	279	53	0.02	243	1,131	26
FERRY_001	282	0.07	182	14	0	21	64	0
FLINT_144	840	2.56	124	317	1.21	2,147	4,441	1,015
FLINT_147	159	7.65	191	1461	3.54	1,216	3,872	563
FOX_CHASE_131	1,675	1.12	49	55	1	1,881	1,528	1,667
FOX_CHASE_133	887	0.8	61	49	0.67	708	721	594
FURNACE_000	524	2.25	356	803	1.27	1,181	7,015	667
GLADWYNE_133	593	6.44	518	3335	1.4	3,820	32,961	833
GOSHEN_343	2,536	0.79	74	58	3.05	1,996	2,448	7,735
GROVE_000	619	1.56	59	92	0.09	968	947	53
HARVEY_001	365	1.87	151	284	0.05	684	1,725	17
HOLLOW_000	661	0.38	257	99	0	254	1,087	0
HOLMESBURG_141	878	1.61	37	59	0.39	1,415	861	339
HUNTING_PARK_051	774	0.12	28	3	0	95	45	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
ISLAND_ROAD_136	1,567	1.5	148	223	1.06	2,356	5,815	1,659
JAMISON_000	276	1.01	141	142	1	278	653	276
JARRETT_135	579	0.25	115	29	0.18	145	277	105
JENKINTOWN_131	1,252	0.93	130	121	1.69	1,168	2,528	2,111
JENKINTOWN_132	1,049	1.15	189	218	0.99	1,209	3,818	1,035
JENKINTOWN_136	1,848	0.2	156	32	0.44	376	977	812
JENKINTOWN_148	1,457	1.04	87	90	0.04	1,511	2,186	55
KERBAUGH_009	774	0.19	73	14	0	149	181	0
KEYS_004	205	1.01	70	71	1	208	243	205
KEYS_005	483	2.02	91	184	2.01	974	1,480	970
KIMBERTON_004	515	3.21	67	216	0.03	1,651	1,851	16
LANTERN_000	503	4.36	48	207	5.44	2,193	1,738	2,734
LENAPE_342	1,830	2.64	61	162	2.06	4,832	4,943	3,767
LENAPE_351	1,737	4.42	86	379	4.65	7,673	10,960	8,082
LINE_109_00	418	2	115	230	0	835	1,600	0
LINE_2273	247	2.94	263	774	0.01	727	3,188	2
LINE_2288	338	4.08	91	372	0	1,378	2,097	0
LINE_2352	867	1	114	114	0	869	1,652	0
LINE_2448	52	0.9	71	64	0	47	56	0
LINE_2671	1,519	0.92	35	32	0.92	1,403	809	1,399
LINE_2781	987	0.16	87	14	0.07	159	232	67
LINE_3200EM	85	1.14	63	72	0.02	97	102	2
LINE_3308NT	1,708	2.21	175	386	1.86	3,770	10,996	3,179
LINE_3340	927	3.45	76	261	0	3,195	4,026	0
LINE_6000	14	0.07	177	13	0	1	3	0
LINE_6300HE	20	2	45	90	1.05	40	30	21
LINE_708	1,311	2.01	38	78	0.03	2,641	1,694	38
LINE_800CR	1,810	2.65	117	309	0.75	4,799	9,329	1,365
LINE_9600	453	3	86	257	0	1,359	1,938	0
LINTON_341	2,718	1.35	79	106	0.4	3,656	4,817	1,097
LLANERCH_144	1,668	0.21	195	41	0	348	1,128	0
MACDADE_137	1,952	1.63	83	136	0.47	3,184	4,421	918
MACDADE_146	1,899	0.71	67	48	0.48	1,349	1,505	911
MARSHALLTON_001	722	1.4	45	63	1.07	1,010	764	770
MIDDLETOWN_132	1,684	1.54	67	103	0	2,598	2,897	6
MIDDLETOWN_141	1,204	0.86	196	169	0.32	1,037	3,382	391
MIDDLETOWN_142	1,371	1.37	175	240	0.51	1,875	5,483	705
MIDDLETOWN_143	1,577	2.9	81	234	0.99	4,575	6,162	1,564
MIDDLETOWN_349	1,949	0.77	161	124	0.45	1,510	4,040	884
MOON_008	556	0.05	93	5	1	27	42	556
MORRISVILLE_012	789	2.03	35	71	2	1,605	931	1,581
MORTON_142	1,276	1.89	89	168	0.98	2,414	3,579	1,249
MORWOOD_000	680	0.49	154	75	1.05	333	855	716
MOSER_342	2,928	1.5	119	179	0.2	4,386	8,714	597
MOSER_364	202	1.18	126	149	0	239	503	0
NESHAMINY_133	1,063	2.45	82	201	0.12	2,608	3,556	131

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
NESHAMINY_165	806	0.12	163	19	0	93	252	0
NEW_HOPE_001	489	3.39	81	274	1.01	1,660	2,232	493
NEW_HOPE_002	605	4.03	63	255	1.01	2,440	2,567	612
NEWLINVILLE_342	2,011	1.11	97	108	0.34	2,227	3,615	679
NEWLINVILLE_351	1,378	2.2	105	232	1.14	3,038	5,319	1,569
NEWLINVILLE_361	911	1.85	356	658	0.12	1,687	9,998	113
NEWTOWN_SQUAR_144	1,500	0.82	120	98	0.94	1,226	2,449	1,415
NORTH_OXFORD_002	820	2.77	129	357	1.35	2,274	4,884	1,109
NORTH_WALES_363	3,329	2.12	157	333	2.16	7,053	18,501	7,183
NORTH_WALES_371	1,615	0.14	113	15	0.05	219	412	78
PARRISH_132	1,272	0.2	104	21	0	259	450	0
PARRISH_143	1,047	1.23	88	108	0	1,293	1,891	0
PERKIOMEN_341	1,300	1.1	99	110	1.63	1,433	2,375	2,119
PERKIOMEN_342	3,179	0.25	128	32	0	792	1,689	3
PLYMOUTH_133	93	1.08	176	189	0.17	100	293	16
PLYMOUTH_161	303	3.18	66	210	0.41	965	1,059	123
PULASKI_137	622	0.53	188	100	0.16	332	1,040	101
ROXBOROUGH_135	1,300	1.19	95	112	0.04	1,541	2,428	58
TACONY_136	1,095	4.86	46	225	0.3	5,323	4,111	333
TOKENA_001	160	1.18	816	958	2.05	188	2,555	328
UPPER_DARBY_139	2,330	0.97	111	108	0.01	2,265	4,191	22
WARRINGTON_341	2,280	1.28	66	85	1.04	2,913	3,223	2,380
WAYNE_131	972	2.1	109	229	1	2,038	3,713	968
WAYNE_142	816	0.5	86	43	0	408	583	0
WAYNE_146	592	1.74	187	324	0.01	1,029	3,200	7
WHITEMARSH_141	1,140	1.73	70	120	0.86	1,971	2,286	986
WRIGHT_000	401	3.68	84	311	1.22	1,477	2,076	489

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

## Appendix B

Remedial efforts taken and planned for 5% worst performing circuits as of 09/30/18

### **BALA\_133**

Delaware County

#### **Completed:**

Inspected circuit visually and with thermographic camera

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

Installed 3 reclosers

Installed tree wire

Inspected / Tested relay setting

Completed reliability corrective workorders

Completed regularly scheduled vegetation trimming

#### **Planned:**

Remedial efforts complete

### **BETHAYRES\_002**

Montgomery County

#### **Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Upgraded cable

Performed regularly scheduled tree clearance

Completed reliability corrective workorders

Updated recloser settings

#### **Planned:**

Remedial efforts complete

### **BETHAYRES\_135**

Montgomery County

#### **Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Performed regularly scheduled tree clearance

Replaced recloser

Replaced cable

Upgraded secondary wire

Install tree wire

#### **Planned:**

Remedial efforts complete

### **BETZWOOD\_351**

Montgomery County

#### **Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

#### **Planned:**

Remedial efforts complete

**BLUE\_GRASS\_141**

Philadelphia County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

**Planned:**

Remedial efforts complete

**BOYD\_000**

Chester County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

**Planned:**

Remedial efforts complete

**BRYN\_MAWR\_132**

Delaware County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Performed regularly schedule tree clearance

Installed Tripsaver

Installed wildlife protection

Install two reclosers

**Planned:**

Remedial efforts complete

**BRYN\_MAWR\_143**

Delaware County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Complete regularly scheduled tree trimming

Completed reliability corrective workorders

Upgrade secondary wires

Installed additional fuses

Installed single phase recloser

Reconfigured underground cables

**Planned:**

Remedial efforts complete

**BRYN\_MAWR\_146**

Delaware County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Completed regularly scheduled tree trimming

**Planned:**

Remedial efforts complete

**BUCKINGHAM\_343**

Bucks County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Upgrade wildlife protection

Replaced recloser

**Planned:**

Remedial efforts complete

**BUCKINGHAM\_346**

Bucks County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Replaced recloser

**Planned:**

Remedial efforts complete

**BUCKINGHAM\_351**

**Bucks County**

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Updated recloser trip settings

**Planned:**

Remedial efforts complete

**BYBERRY\_132**

Montgomery County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

**Planned:**

Remedial efforts complete

**CABOT\_002**

Montgomery County

**Completed:**

Inspected circuit visually and with thermographic camera

Completed reliability corrective workorders

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

Installed additional fuses

**Planned:**

Remedial efforts complete

**CEDARBROOK\_131**

Montgomery County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Upgrade fuses

Install switch

Upgrade secondary wires

**Planned:**

Remedial efforts complete

**CEDARBROOK\_136**

Montgomery County

**Completed**

Inspected circuit visually and with thermographic camera

Completed reliability corrective workorders

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

Install tree wire

**Planned:**

Remedial efforts complete

**CHALFONT\_003**

Bucks County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Upgraded secondary wires

**Planned:**

Remedial efforts complete

**CONCORD\_347**

Delaware County

**Completed:**

Inspected circuit and with thermographic camera

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

Completed reliability corrective workorders

Upgrade fusing

Installed recloser

**Planned:**

Remedial efforts complete

**CONCORD\_348**

Delaware County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Upgraded transformers

Tested/ Inspected recloser operation

**Planned:**

Remedial efforts complete

**CONCORD\_351**

Delaware County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Install additional lightning protection

Upgraded cable

**Planned:**

Remedial efforts complete

**CONCORD\_352**

Delaware County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Upgraded underground cables

Upgraded underground cables

**Planned:**

Remedial efforts complete

**COOPER\_371**

Chester County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Repaired switch

Upgraded transformer

Upgrade lightning protection

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

**Planned:**

Remedial efforts complete

**CORNOG\_001**

Chester County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Upgraded transformer

**Planned:**

Remedial efforts complete

**DALEVILLE\_342**

Chester County

**Completed:**

Inspected circuit and with thermographic camera

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

Completed reliability corrective workorders

Installed additional transformer

Upgraded lightning protection

**Planned:**

Remedial efforts complete

**EDDINGTON\_132**

Bucks County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

**Planned:**

Remedial efforts complete

**ELLWOOD\_001**

Bucks County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

**Planned:**

Remedial efforts complete

**EMILIE\_131**

Bucks County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Upgraded secondary wires

**Planned:**

Remedial efforts complete

**EMILIE\_132**

Bucks County

**Completed:**

Inspected circuit and with thermographic camera

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

Completed reliability corrective workorders

Installed trip savers

**Planned:**

Remedial efforts complete

**FERRY\_001**

Philadelphia County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

**Planned:**

Remedial efforts complete

**FLINT\_144**

Delaware County

**Completed:**

Inspected circuit and with thermographic camera

Completed reliability corrective workorders

Performed regularly schedule tree clearance

Installed tree wire

Installed additional wildlife protection

**Planned:**

Remedial efforts complete

**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

Installed Tripsaver

**Planned:**

Remedial efforts complete

**FOX\_CHASE\_131**

Philadelphia County

**Completed:**

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

**Planned:**

Remedial efforts complete

**FOX\_CHASE\_133**

Philadelphia County

**Completed:**

Inspected circuit visually and with thermographic camera  
Inspected selected areas of circuit for vegetation issues and corrected as needed  
Install two reclosers  
Upgraded fuses  
Completed reliability corrective workorders  
Install tree wire

**Planned:**

Remedial efforts complete

**FURNACE\_000**

York County

**Completed:**

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

**Planned:**

Remedial efforts complete

**GLADWYNE\_133**

Delaware County

**Completed:**

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

**Planned:**

Remedial efforts complete

**GOSHEN\_343**

Chester County

**Completed:**

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

**Planned:**

Remedial efforts complete

**GROVE\_000**

Chester County

**Completed:**

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

**Planned:**

Remedial efforts complete

**HARVEY\_001**

Delaware County

**Completed:**

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

**Planned:**

Remedial efforts complete

**HOLLOW\_000**

Chester County

**Completed:**

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

**Planned:**

Remedial efforts complete

**HOLMESBURG\_141**

Philadelphia County

**Completed:**

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

**Planned:**

Remedial efforts complete

**HUNTING\_PARK\_051**

Philadelphia County

**Completed:**

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

**Planned:**

Remedial efforts complete

**ISLAND\_ROAD\_136**

Philadelphia County

**Completed:**

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

**Planned:**

Remedial efforts complete

**JAMISON\_000**

Bucks County

**Completed:**

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

**Planned:**

Remedial efforts complete

**JARRETT\_135**

Montgomery County

**Completed:**

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

**Planned:**

Remedial efforts complete

**JENKINTOWN\_131**

Montgomery County

**Completed:**

Inspected circuit visually and with thermographic camera  
Inspected selected areas of circuit for vegetation issues and corrected as needed  
Completed reliability corrective workorders  
Upgraded transformer  
Upgraded secondary wires  
Tested / Inspected recloser operation  
Inject to extended cable life  
Installed wildlife protection

**Planned:**

Remedial efforts complete

**JENKINTOWN\_132**

Montgomery County

**Completed:**

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

**Planned:**

Remedial efforts complete

**JENKINTOWN\_136**

Montgomery County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Upgraded secondary wire

Install reclosers

**Planned:**

Remedial efforts complete

**JENKINTOWN\_148**

Montgomery County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

**Planned:**

Remedial efforts complete

**KERBAUGH\_009**

Philadelphia County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Upgraded transformer

Completed reliability corrective workorders

**Planned:**

Remedial efforts complete

**KEYS\_004**

Bucks County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

**Planned:**

Remedial efforts complete

**KEYS\_005**

Bucks County

**Completed**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Repaired cable

**Planned:**

Remedial efforts complete

**KIMBERTON\_004**

Chester County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Installed regulator

**Planned:**

Remedial efforts complete

**LANTERN\_000**

Montgomery County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

**Planned:**

Remedial efforts complete

**LENAPE\_342**

Chester County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Complete regularly scheduled tree trimming

Tested/ Inspected recloser operation

Repaired test switch operation

**Planned:**

Remedial efforts complete

**LENAPE\_351**

Chester County

**Completed:**

Completed reliability corrective workorders

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

Inspected circuit visually and with thermographic camera

Upgraded transformer

Installed additional fusing

**Planned:**

Remedial efforts complete

**LINE\_109\_00**

Bucks County

**Completed:**

Completed reliability corrective workorders

Inspected circuit visually and with thermographic camera

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

Installed wildlife protection

Installed additional fuses

**Planned:**

Remedial efforts complete

**LINE\_2273**

Philadelphia County

**Completed:**

Completed reliability corrective workorders

Repaired switch module

**Planned:**

Remedial efforts complete

**LINE\_2288**

Philadelphia County

**Completed:**

Completed reliability corrective workorders

**Planned:**

Remedial efforts complete

**LINE\_2352**

Philadelphia County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

**Planned:**

Remedial efforts complete

**LINE\_2448**

Philadelphia County

**Completed:**

Completed reliability corrective workorders

**Planned:**

Remedial efforts complete

**LINE\_2671**

Philadelphia County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Installed wildlife protection

Installed three-phase recloser

**Planned:**

Remedial efforts complete

**LINE\_2781**

Philadelphia County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Installed wildlife protection

Upgraded transformer

Installed three-phase recloser

**Planned:**

Remedial efforts complete

**LINE\_3200EM**

Bucks County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Tested / Inspected switch operation

Installed three-phase recloser

**Planned:**

Remedial efforts complete

**LINE\_3308NT**

Chester County

**Completed:**

Inspected circuit visually and with thermographic camera

Completed reliability corrective workorders

Installed three-phase recloser

Installed lightning protection

Installed wildlife protection

Upgraded transformer

**Planned:**

Remedial efforts complete

**LINE\_3340**

Delaware County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Installed wildlife protection

Replaced recloser

**Planned:**

Remedial efforts complete

**LINE\_6000**

Bucks County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Installed recloser

Completed reliability corrective workorders

**Planned:**

Remedial efforts complete

**LINE\_6300HE**

Montgomery County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Upgraded wildlife protection

Completed reliability corrective workorders

**Planned:**

Remedial efforts complete

**LINE\_708**

Philadelphia County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Upgraded wildlife protection

**Planned:**

Remedial efforts complete

**LINE\_800CR**

Chester County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

**Planned:**

Remedial efforts complete

**LINE\_9600**

Montgomery County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

**Planned:**

Remedial efforts complete

**LINTON\_341**

Bucks County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Replaced recloser

Cable replacement

Upgrade service wires

**Planned:**

Remedial efforts complete

**LLANERCH\_144**

Delaware County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Install two reclosers

Installed trip saver

Upgraded wildlife protection

**Planned:**

Remedial efforts complete

**MACDADE\_137**

Delaware County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Upgraded wildlife protection

**Planned:**

Remedial efforts complete

**MACDADE\_146**

Delaware County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Installed additional fuses

Installed additional lightning protection

Installed three-phase recloser

**Planned:**

Remedial efforts complete

**MARSHALLTON\_001**

Chester County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Install express main

**Planned:**

Remedial efforts complete

**MIDDLETOWN\_132**

Delaware County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Installed three-phase reclosers

**Planned:**

Remedial efforts complete

**MIDDLETOWN\_141**

Delaware County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Installed three-phase reclosers

**Planned:**

Remedial efforts complete

**MIDDLETOWN\_142**

Delaware County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

**Planned:**

Remedial efforts complete

**MIDDLETOWN\_143**

Delaware County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Upgraded wire

Completed reliability corrective workorders

**Planned:**

Remedial efforts complete

**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

Replaced cable

**Planned:**

Remedial efforts complete

**MOON\_008**

Bucks County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

**Planned:**

Remedial efforts complete

**MORRISVILLE\_012**

Bucks County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

**Planned:**

Remedial efforts complete

**MORTON\_142**

Delaware County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Installed tree wire

Installed three-phase reclosers

**Planned:**

Remedial efforts complete

**MORWOOD\_000**

Montgomery County

**Completed:**

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

**Planned:**

Remedial efforts complete

**MOSER\_342**

Montgomery County

**Completed:**

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

**Planned:**

Remedial efforts complete

**MOSER\_364**

Chester County

**Completed:**

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

**Planned:**

Remedial efforts complete

**NESHAMINY\_133**

Bucks County

**Completed:**

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

**Planned:**

Remedial efforts complete

**NESHAMINY\_165**

Bucks County

**Completed:**

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

**Planned:**

Remedial efforts complete

**NEW\_HOPE\_001**

Bucks County

**Completed:**

Inspected circuit visually and with thermographic camera

Completed reliability corrective workorders

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

**Planned:**

Remedial efforts complete

**NEW\_HOPE\_002**

Bucks County

**Completed:**

Inspected circuit visually and with thermographic camera

Completed reliability corrective workorders

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

**Planned:**

Remedial efforts complete

**NEWLINVILLE\_342**

Chester County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

**Planned:**

Remedial efforts complete

**NEWLINVILLE\_351**

Chester County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Install switch

Replaced three-phase recloser

**Planned:**

Remedial efforts complete

**NEWLINVILLE\_361**

Chester County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective work orders

Installed single phase recloser

**Planned:**

Remedial efforts complete

### **NEWTOWN\_SQUAR\_144**

Delaware County

#### **Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Install additional wildlife protection

#### **Planned:**

Remedial efforts complete

### **NORTH\_OXFORD\_002**

Chester County

#### **Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

#### **Planned:**

Remedial efforts complete

### **NORTH\_WALES\_371**

Montgomery County

#### **Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

#### **Planned:**

Remedial efforts complete

### **PARRISH\_132**

Philadelphia County

#### **Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective work orders

Install two three-phase reclosers

#### **Planned:**

Remedial efforts complete

### **PARRISH\_143**

Philadelphia County

#### **Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective work orders

Installed wildlife protection

#### **Planned:**

Remedial efforts complete

**PERKIOMEN\_341**

Montgomery County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

**Planned:**

Remedial efforts complete

**PERKIOMEN\_342**

Montgomery County

**Completed:**

Inspected circuit visually and with thermographic camera

Completed reliability corrective workorders

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

Replaced recloser

Installed three-phase recloser

Replaced cable

Replaced fuses

**Planned:**

Remedial efforts complete

**PLYMOUTH\_133**

Montgomery County

**Completed:**

Inspected circuit visually and with thermographic camera

Completed reliability corrective workorders

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

Replaced fuses

**Planned:**

Remedial efforts complete

**PLYMOUTH\_161**

Montgomery County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

**Planned:**

Remedial efforts complete

**PULASKI\_137**

Philadelphia County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

**Planned:**

Remedial efforts complete

**ROXBOROUGH\_135**

Philadelphia County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective work orders

Installed three-phase reclosers

**Planned:**

Remedial efforts complete

**TACONY\_136**

Philadelphia County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Installed 2 three-phase reclosers

**Planned:**

Remedial efforts complete

**TOKENA\_001**

Chester County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Upgraded lightning protection

Completed reliability corrective workorders

**Planned:**

Remedial efforts complete

**UPPER DARBY\_139**

Delaware County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Upgraded secondary wires

Completed reliability corrective workorders

**Planned:**

Remedial efforts complete

**WARRINGTON\_341**

Bucks County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Install three-phase recloser

**Planned:**

Remedial efforts complete

**WAYNE\_131**

Delaware County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Installed wildlife protection

**Planned:**

Remedial efforts complete

**WAYNE\_142**

Delaware County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

**Planned:**

Remedial efforts 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 work orders

**Planned:**

Remedial efforts complete

**WHITEMARSH\_141**

Montgomery County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective workorders

Upgraded secondary wires

Loop URD

**Planned:**

Remedial efforts complete

**WRIGHT\_000**

Bucks County

**Completed:**

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective work orders

**Planned:**

Remedial efforts 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).