

Richard G. Webster, Jr.

Director

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October 29, 2010

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OCT 29 2010

PA PUBLIC UTILITY COMMISSION RECRETARY'S DUREAU

# **FedEx**

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

Re: PUC Docket No. L-00030161

Rulemaking Re Amending Electric Service Reliability Regulations at

52 Pa. Code Chapter 57

Dear Secretary Chiavetta:

In accordance with Electric Service Reliability Regulations at 52 Pa. Code Chapter 57, enclosed are an original and six copies of PECO's 2010 Quarterly Reliability Report for the period ending September 30, 2010.

Because portions of the report contain sensitive and proprietary information, 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 Commission Order of March 20, 2006.

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

Sincerely,

cc: Office of Consumer Advocate

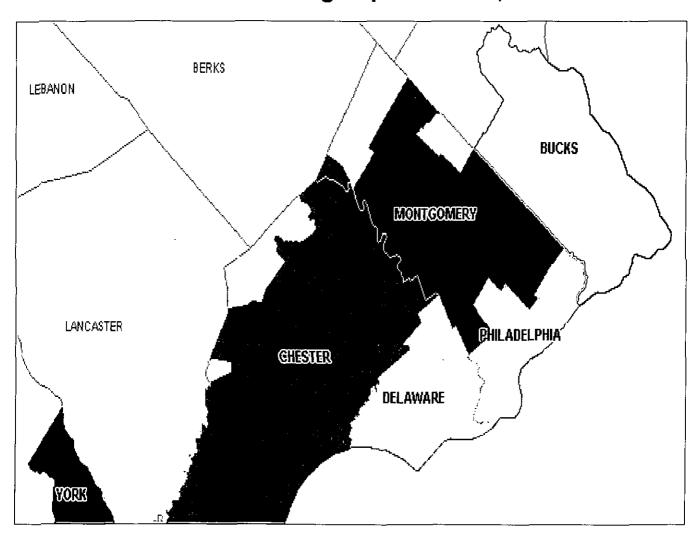
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Office of Small Business Advocate

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# PECO Energy Company Quarterly Reliability Report For Period Ending September 30, 2010



October 29, 2010 p

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PA PUBLIC UTILITY COMMISSION SECRETARY'S BUREAU

# PECO Energy ("PECO")

Quarterly Reliability Report for the Period Ending September 30, 2010 filed with the Pennsylvania Public Utility Commission.

<u>Submitted per Rulemaking Re: Amending Electric Service, Docket No. L-00030161 Reliability Regulations</u> 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 3<sup>rd</sup> quarter.

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	Customer	mer Customer Custome		Customer	SAIFI	CAIDI	SAIDI	MAIFI	
L	Customers	Interruptions	Hours	Interruptions	Minutes					
	1,677,372	1,818,659	3,749,875	1,155,886	224,992,490	1.08	124	134	0.69	

<sup>\*</sup>Data reflects 12 months ending 09/30/2010

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 and SAIDI are currently below the standard and benchmark, CAIDI is above the benchmark but below the standard 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 2010 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 September 30, 2010									
Cause	Service Outages	% of Service Outages	Customer Interruptions	% of Customer Interruptions	Customer Minutes				
Animal	1,148	8.7%	34,027	1.9%	2,655,617				
Contact/Dig-In	152	1.1%	17,115	0.9%	1,062,991				
Equipment Failure	4,835	36.5%	731,295	40.1%	79,064,485				
Lightning	436	3.3%	57,400	3.2%	6,287,725				
Other	2,239	16.9%	194,289	10.7%	19,349,824				
T&S	27	0.2%	89,946	4.9%	4,206,308				
Unknown	578	4.4%	67,848	3.7%	7,366,465				
Vegetation-Broken/Uprooted	2,065	15.6%	381,436	20.9%	65,828,750				
Vegetation-Ingrowth	1,440	10.9%	161,725	8.9%	31,649,578				
Vehicles	330	2.5%	86,672	4.8%	8,048,194				

<sup>\*</sup>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 (70% of vegetation outages), as opposed to ingrowth (30% of vegetation outages). PECO has continued with the significant supplemental vegetation management program it began in 2006 to prune or remove trees between cycles of it's regularly scheduled vegetation management program.

Section 57.195(e)(6). "Quarterly and year to date information on progress toward meeting transmission and distribution inspection and maintenance goals /objectives" (For First, Second and Third Quarter reports only)."

Predictive and Pre	ventive Maintena	nce Program	– status a	s of 9/30/20	010
	3 <sup>rd</sup> Quarter	YTD	Tasks	2010 Total Planned	
	Planned	Complete	Planned	Complete	
Manhole Inspections (Number of manholes inspected)	688	1,343	1,392	2,054	1,453
Circuit Patrol & Thermography (Number of circuits inspected)	202	0	1,514	1,881	1,514
Recloser Inspections (Number of reclosers inspected)	58	92	182	240	246
Center City Network Inspections (Number of maintenance tasks performed (e.g. visual inspection, functional testing)	0	0	318	398	318
T&S Maintenance (Number of maintenance tasks performed (e.g. visual inspection, predictive/diagnostic maintenance, preventive maintenance) for a variety of substation components)	936	1,306	3,076	3,674	4,043
T&S Testing (Number of maintenance tasks performed (e.g. calibration, trip test)	340	535	1,119	1,781	1,542
Totals	2,224	3,276	7,601	10,028	9,116
Vegetation Manageme	nt Preventive Ma	intenance Pr	ogram – st	atus as of 9	/30/10
	3 <sup>rd</sup> Quarter	YTD	Miles	2010 Total Planned	
	Planned	Complete	Planned	Complete	
Distribution Lift and Manual Trimming	796	797	1,968	1,973	2,465
Transmission Trimming and Removals	49	49	155	155	198
Totals	845	846	2,123	2,128	2,663

Section 57.195(e)(7). "Quarterly and year-to-date information on budgeted versus actual transmission and distribution operation and maintenance expenditures in total and detailed by the EDC'S own functional account code or FERC account code as available." (For first, second and third quarter reports only.)

\$Millions	Budgeted 3rd Quarter	Actual 3rd Quarter	Budgeted Year-to-Date	Actual Year-to-Date
New Business Connections	\$0.7	\$0.5	\$2.1	\$1.6
Capacity Expansion	\$0.1	\$0.1	\$1.0	\$0.4
System Performance	\$11.1	\$9.3	\$32.5	\$27.1
Facility Relocation	\$1.0	\$0.2	\$3.4	\$0.7
Maintenance	\$37.0	\$38.5	\$113.6	\$115.5
Total	\$49.9	\$48.6	\$152.6	\$145.3

Section 57.195(e)(8). "Quarterly and year-to-date information on budgeted versus actual transmission and distribution capital expenditures in total and detailed by the EDC'S own functional account code or FERC account code as available." (For first, second and third quarter reports only.)

\$Millions	Budgeted 3rd Quarter	Actual 3rd Quarter	Budgeted Year-to-Date	Actual Year-to-Date
New Business Connections	\$10.0	\$8.2	\$30.2	\$25.2
Capacity Expansion	\$42.5	\$43.6	\$100.2	\$98.5
System Performance	\$18.0	\$15.8	\$45.2	\$48.8
Facility Relocation	\$4.6	. \$5.1	\$16.6	\$8.7
Maintenance	\$20.2	\$19.6	\$57.3	\$62.4
Total	\$95.3	\$92.3	\$249.5	\$243.6

Section 57.195(e)(9). "Dedicated staffing levels for transmission and distribution operation and maintenance at the end of the quarter, in total and by specific category (e.g., lineman, technician and electrician)."

PECO's full-time trade staff as of September 30, 2010 was as follows:

Aerial Lineman	389
Underground Lineman (Include UTS)	54
Transmission / Substation Mechanics, Operators	107
Energy Technicians	99
Aerial Foreman	60
Underground Foreman (Includes UTS)	18
Transmission / Substation Foreman	30
Total	757

# **Contact Persons:**

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

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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
AVONDALE 001	385	1.77	153	271	2.12	681	1739	815
BALA 045	604	1.08	108	116	0.00	650	1168	0
BELLEVUE 133	1404	0.47	380	178	1.00	659	4175	1411
BELLEVUE 134	799	2.21	209	461	1.18	1763	6143	945
BETHAYRES 002	498	3.21	102	327	1.03	1599	2716	513
BLUE GRASS 144	1461	1.21	114	138	0.00	1767	3371	0
BRISTOL 012	881	0.31	191	59	0.00	273	869	0
BRYAN 001	477	7.37	136	1002	1.00	3516	7963	477
BYBERRY 162	1553		39	1002	-	4166	2675	1547
CHALFONT 001	527	2.68	151	335	1.00	1172	2942	527
CHANDLER 000	<del> </del>				1.00		15664	244
	487	7.11	271	1930	0.50	3465	ļ.	·
CHARLTON_000 CHESTNUT HILL 031	475 316	3.25 1.00	58 83	188 83	0.00	1543 315	1491 436	0
CHICHESTER 134	<del></del>						<del> </del>	
CLAY 342	2060	1.17	55	64	1.18	2419	2212	2431
COLWYN 133	2372	5.30	125	661	3.37	12576	26133	7991
	3362	0.08	126	10	2.00	272	571	6722
CONCORD_351	1965	3.97	147	582	1.94	7810	19076	3817
CRESCENTVILLE 136	2428	0.10	112	12	0.99	253	470	2398
CROSS_000	299	2.76	854	2352	4.53	824	11723	1355
CROYDON_132	1481	0.09	381	32	0.00	126	801	0
CRUM_LYNNE_138	1610	1.27	87	110	0.75	2042	2956	1210
DALEVILLE 342	622	3.31	277	916	0.81	2056	9495	503
DAVISVILLE_003	947	6.13	157	962	2.00	5803	15191	1896
DUTTON_001	885	2.18	38	83	0.00	1926	1223	0
ELKINS_PARK_011	445	1.25	84	105	0.00	557	776	0
EMILIE_132	1373	1.33	450	597	0.69	1822	13660	943
EMILIE_133	1740	1.15	99	115	0.00	2008	3325	0
FIN_001	241	6.35	130	823	1.00	1531	3306	241
FLINT_144	898	2.26	207	467	1.01	2028	6996	910
FOX_CHASE_133	844	2.44	227	553	1.00	2059	7785	844
HAGYS_004	311	1.43	356	508	0.00	444	2635	0
HEATON_139	1530	3.65	119	433	0.15	5581	11036	224
HEATON_164	1157	1.32	193	254	0.00	1523	4889	0
HEATON_169	1460	1.17	89	104	1.11	1709	2525	1618
ISLAND ROAD 136	1599	0.74	292	215	0.00	1177	5724	0
JENKINTOWN_139	1011	1.79	83	149	2.16	1807	2508	2188
JENKINTOWN_140	387	3.28	501	1641	0.00	1268	10587	0
JENNERSVILLE_341	2622	4.24	130	553	1.84	11119	24153	4820
KAOLIN_001	219	3.03	47	142	3.17	664	519	694
KAOLIN_003	232	2.01	19	38	3.41	467	146	791
KEMBLE_002	394	1.19	237	281	1.01	468	1847	398
KENNETT SQUAR 001	399	4.85	151	732	12.49	1936	4869	4984
KENNETT_SQUAR_003	644	3.75	141	530	11.77	2414	5684	7578
KENNETT_SQUAR_005	306	6.08	231	1402	11.68	1860	7150	3573

		1037	1036 1	10.15	12.34	10.3.6	12.74	12 Month
		12 Month Rolling	12 Month Rolling	12 Month Rolling	Rolling	12 Month Rolling	12 Month Rolling	Rolling Momentary
	CUSTOMERS	Circuit	Circuit	Circuit	Circuit	Customers	Customer	Customers
CIRCUIT	ON CIRCUIT	SAIFI	CAIDI	SAIDI	MAIFI	Interrupted	Hours	Interrupted
KERBAUGH 005	1435	0.15	128	19	0.00	217	463	0
KERBAUGH 009	984	0.06	697	45	0.00	63	732	0
LANDENBERG 000	551	4.61	55	254	0.40	2542	2330	222
LENAPE 341	981	2.41	255	613	0.13	2361	10026	128
LENAPE 344	1823	3.11	55	171	4.84	5668	5201	8830
LENAPE 351	1611	5.42	158	859	9.66	8734	23061	15564
LINE 1099	2259	0.76	148	112	0.44	1708	4201	986
LINE 1100CL	1405	3.27	89	292	0.66	4599	6832	924
LINE 2200CR	763	2.96	123	364	0.57	2255	4628	434
LINE 2241	1456	0.56	104	58	0.00	813	1408	0
LINE 2445	489	1.49	168	250	0.00	728	2039	0
LINE 300CR	2314	0.79	117	92	1.67	1833	3565	3867
LINE 4600PB	350	2.04	92	187	0.00	713	1093	0
LINE 518	6	3.00	422	1266	0.00	18	127	0
LINE 7200WH	216	1.93	55	107	0.44	416	385	96
LINE 734	115	1.13	102	115	0.00	130	221	0
LINFIELD 000	857	0.53	115	60	0.00	450	863	4
LINTON 342	2901	1.45	197	284	0.01	4194	13747	21
LYNDELL 000	202	1.48	239	354	2.00	299	1193	404
MACDADE 137	2070	1.04	144	150	0.46	2161	5191	949
MALL 058	59	4.00	240	958	0.00	236	942	0
MALVERN 001	728	2.96	166	492	1.49	2153	5971	1082
MARKLEY 133	1260	2.98	318	948	0.71	3754	19915	893
MARPLE 138	727	2.39	118	281	2.00	1736	3410	1455
MARSHALLTON 002	526	2.95	154	456	1.00	1553	3996	526
MEDIA 011	578	1.48	77	113	0.99	853	1092	573
MONROE 004	415	2.81	104	294	3.02	1168	2033	1255
MONROE_005	552	0.36	238	84	4.00	196	776	2208
NEWLINVILLE 343	2459	5.13	67	346	4.29	12605	14161	10541
NEWLINVILLE 344	2649	0.98	91	89	4.64	2597	3924	12288
NEWLINVILLE 351	1321	1.20	99	119	1.34	1587	2616	1766
NEWLINVILLE 353	2341	2.30	59	135	2.84	5384	5275	6648
NORRISTOWN 009	994	3.39	88	300	0.00	3368	4966	1
NORTH_WALES_344	1706	0.87	183	160	0.39	1492	4553	673
OLIVE_001	971	0.97	159	154	1.00	944	2498	971
OLIVE_004	461	0.18	245	44	2.01	83	340	926
PARKESBURG_001	510	2.11	87	182	2.00	1074	1549	1018
PEACH_BOTTOM_361	256	6.95	175	1217	0.39	1780	5193	99
PENCOYD_133	1262	1.03	271	279	2.00	1301	5871	2526
PERKIOMEN_354	2942	1.28	93	120	0.77	3767	5860	2264
PLYMOUTH_148	1750	0.76	80	61	0.45	1327	1772	790
PULASKI_135	2915	2.03	38	76	0.00	5926	3713	0
PULASKI_136	2300	1.10	33	37	0.38	2534	1404	872
RADNOR_131	33	4.76	159	756	3.91	157	416	129
RICHMOND_132	1846	2.40	51	121	0.71	4433	3737	1314
RICHMOND_137	2291	0.52	35	18	0.66	1192	690	1518
RODGERS_131	293	2.50	123	307	0.00	732	1499	0

						<u>.</u>		12 Month
			!	12 Month		12 Month	12 Month	Rolling
		Rolling	Rolling	Rolling	Rolling	Rolling	Rolling	Momentary
CIDCLIVE	CUSTOMERS	Circuit	Circuit	Circuit	Circuit	Customers	Customer	Customers
CIRCUIT	ON CIRCUIT	SAIFI	CAIDI	SAIDI	MAIFI	Interrupted	Hours	Interrupted
RUSHLAND_000	430	6.14	331	2031	1.03	2640	14559	444
SADSBURY_000	631	1.50	61	92	3.97	949	967	2504
SAVILLE_134	2886	0.38	99	38	0.14	1100	1809	394
SOLEBURY_001	500	3.12	337	1050	3.17	1559	8750	1585
SPROUL 001	497_	1.47	113	167	0.00	732	1381	2
STREET_000	335	4.06	123	500	0.99	1361	2789	333
SUNNYBURN_002	347	6.35	166	1055	0.00	2203	6101	1
SUSQUEHANNA_341**	0	0.00	0	0	0.00	0	0	0
TABOR 136	3486	0.13	384	50	0.00	454	2903	0
TOKENA_002	238	3.45	86	296	1.63	822	1173	388
TREVOSE_138	1210	2.18	88	192	0.00	2632	3868	0
TROOPER 001	554	2.74	395	1084	0.00	1520	10005	1
TURK_000	601	2.03	260	528	0.00	1222	5287	0
WAGONTOWN_000	597	2.05	40	82	8.02	1226	818	4788
WALLACE 000	231	2.36	136	320	1.44	545	1231	332
WARMINSTER_142	1848	2.92	61	178	0.31	5397	5475	582
WAWA_000	401	2.25	240	539	0.00	903	3604	0
WAYNE 134	676	5.88	76	449	1.94	3972	5062	1311
WHITEMARSH_133	1291	3.50	154	539	1.98	4519	11604	2562
WICKER 001	380	6.61	101	669	4.06	2510	4234	1543
WILLOWDALE_002	469	2.19	372	817	0.04	1029	6385	17
WORTH 000	343	0.14	226	32	0.99	49	185	339

<sup>\*</sup>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.

Note: All customers in Pennsylvania formerly supplied by the Susquehanna 341 circuit have been transferred to a new PECO circuit. Susquehanna 341 continues to supply customers in Maryland.

### Appendix B

Remedial efforts taken and planned for 5% worst performing circuits as of 03/31/10

# **AVONDALE 001**

Chester County

# Completed:

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

Inspected circuit visually and with thermographic camera

Completed reliability corrective work orders

Inspect/ Test recloser operation

Upgraded fuses

#### Planned:

Remedial efforts completed

#### **BALA 045**

Philadelphia County

# Completed:

Inspected circuit visually and with thermographic camera

Installed additional fusing

Replaced lightning protection

Completed reliability corrective work orders

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

### Planned:

Remedial efforts completed

### **BELLEVUE 133**

**Bucks County** 

# Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

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

Installed aerial cable

Installed (2) 3 phase reclosers

Upgraded secondary wire

Installed compact single phase recloser

Installed additional lightning protection

#### Planned:

Remedial efforts completed

# **BELLEVUE 134**

**Bucks County** 

# Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

Replaced URD cable

# Planned:

Remedial efforts completed

# **BETHAYRES 002**

Montgomery County

#### Completed

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

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

Upgraded secondary wires

# Planned:

#### **BLUE GRASS 144**

Philadelphia County

# Completed

Inspected circuit visually and with thermographic camera

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

Installed additional fusing

Upgraded cable insulation

Completed regularly schedule tree clearance

Completed reliability corrective work orders

#### Planned

Remedial efforts completed

# **BRISTOL 012**

**Bucks County** 

# Completed

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

Inspected circuit visually and with thermographic camera

Upgraded secondary wires

Completed reliability corrective work orders

Installed (2) 3 phase reclosers

#### Planned

Remedial efforts completed

#### BRYAN 001

York County

# Completed

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

Inspected circuit visually and with thermographic camera

Completed reliability corrective work orders

Completed regularly schedule tree clearance

Installed additional fuse

Installed 1 phase recloser

Installed 3 phase recloser

# Planned

Remedial efforts completed

# BYBERRY 162

**Bucks County** 

# Completed

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

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

Installed addition fuses

Installed animal protection

Installed additional lightning protection

Upgraded fuses

# Planned

### CHALFONT 001

**Bucks County** 

# Completed

Upgraded transformer

Installed additional lightning protection

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

Replaced underground cable

Completed reliability corrective work orders

# Planned

Remedial efforts completed

# CHANDLER 000

Chester County

# Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

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

Inspected recloser operation

Upgraded lightning protection

### Planned:

Remedial efforts completed

# CHARLTON 000

Chester County

# Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective work orders

Installed lightning protection

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

### Planned:

Remedial efforts completed

# CHESTNUT HILL 031

Philadelphia County

# Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

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

Planned:

Remedial efforts completed

# **CHICHESTER 134**

Delaware County

#### Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

Installed additional fusing

Installed additional lightning protection

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

### Planned:

# **CLAY 342**

**Chester County** 

# Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

Installed additional fuses

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

Installed lightning protection

#### Planned:

Remedial efforts completed.

# COLWYN 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 work orders

Upgraded lightning protection

Upgraded wildlife protection

Inspect /Test recloser operation

### Planned:

Remedial efforts completed.

# CONCORD 351

Delaware County

# Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective work orders

Install 3 phase recloser

Inspect/Test recloser operation

Install faulted circuit Indicators

#### Planned:

Remedial efforts completed.

# **CRESCENTVILLE 136**

Philadelphia County

# Completed

Installed additional fusing

Upgraded lightning protection

Inspected circuit visually and with thermographic camera

Completed regularly scheduled tree clearance

Completed reliability corrective work orders

Installed 2-3 phase reclosers

Installed additional fusing

#### Planned

# CROSS 000

**Bucks County** 

# Completed:

Inspected circuit visually and with thermographic camera

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

Installed (2) 3 phase reclosers

#### Planned:

Remedial efforts completed

# **CROYDON 132**

**Bucks County** 

# Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

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

#### Planned:

Remedial efforts completed.

# **CRUM LYNNE 138**

Delaware County

### **Completed:**

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

Upgraded animal protection

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

Installed additional fuses

#### Planned:

Remedial efforts completed

### **DALEVILLE 342**

Chester County

# Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

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

Installed 2- three phase reclosers

#### Planned:

Remedial efforts completed

# **DAVISVILLE 003**

Montgomery County

# Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

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

Replaced switch

#### Planned:

### **DUTTON 001**

Delaware County

# Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

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

Upgraded transformer

Installed additional lightning protection

Installed additional fuses

#### Planned

Remedial efforts completed

### ELKINS PARK 011

Montgomery County

### Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

Tested/ Inspected recloser operation

Upgraded secondary wire

Completed regularly schedule tree clearance

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

Installed 2-three phase reclosers

#### Planned:

Remedial efforts completed

# EMILIE\_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 work orders

Installed wildlife protection

Installed additional fusing

Installed compact single phase recloser

Installed 3 phase recloser

#### Planned:

Remedial efforts completed

# EMILIE 133

**Bucks County** 

#### Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

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

Upgraded secondary wire

Installed lightning protection

Installed 3 phase recloser and tie

# Planned:

# FIN 001

York County

# Completed

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

Upgraded lightning protection

Performed regularly schedule tree clearance

Install 3 phase recloser on supply line

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

#### Planned

Remedial efforts completed.

# FLINT 144

Delaware County

# Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective work orders

Performed regularly scheduled tree clearance

Upgraded fuse coordination

Installed additional fuses

Upgraded transformer

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

#### Planned:

Remedial efforts completed

# FOX CHASE\_133

Philadelphia County

# Completed:

Completed regularly scheduled tree clearance.

Performed regularly scheduled tree clearance

Installed additional fuses

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

Upgraded lightning protection

# Planned:

Remedial efforts completed

#### HAGYS 004

Delaware County

# Completed:

Performed regularly scheduled tree clearance

Inspected circuit visually and with thermographic camera

Completed reliability corrective work orders

Installed additional lightning protection

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

#### Planned:

# **HEATON 139**

Montgomery County

# Completed;

Installed additional fuses

Inspected circuit visually and with thermographic camera

Completed reliability corrective work orders

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

Upgraded transformer

#### Planned:

Remedial efforts completed

# **HEATON 164**

**Bucks County** 

# Completed;

Inspected circuit visually and with thermographic camera

Completed reliability corrective work orders

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

# Planned:

Remedial efforts completed.

# HEATON\_169

Montgomery County

# Completed;

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

Upgraded transformer

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

Installed three phase recloser

#### Planned:

Remedial efforts completed

# **ISLAND ROAD 136**

Philadelphia County

# Completed

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective work orders

Installed additional fuses

Upgraded lightning protection

### Planned:

# **JENKINTOWN 139**

Montgomery County

# Completed:

Completed reliability corrective work orders

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

Inspected circuit visually and with thermographic camera

Installed additional fusing

Upgraded secondary wire

Installed faulted circuit indicators

Installed 3-single phase reclosers

Replaced underground cable

Installed faulted circuit indicators

#### Planned:

Install additional animal protection

Upgrade aerial cable

# **JENKINTOWN 140**

Montgomery County

### Completed:

Completed reliability corrective work orders

Installed sectionalizing devices

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

Inspected circuit visually and with thermographic camera

Performed regularly schedule tree clearance

Test/Inspect recloser operation

Installed additional fuses

#### Planned:

Remedial efforts completed

# JENNERSVILLE\_341

Chester County

# Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective work orders

Replaced switch

Installed additional lightning protection

# Planned:

Remedial efforts completed

# KAOLIN 001

Chester County

# Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

Added lightning protection to supply circuit

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

# Planned:

#### **KAOLIN 003**

Chester County

# Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective work orders

Upgraded fuses coordination

Inspect/Test recloser operation

# Planned:

Remedial efforts completed.

### KEMBLE 002

Chester County

# Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective work orders

Installed wildlife protection

Installed additional fuses

#### Planned:

Remedial efforts completed

### **KENNETT SQUARE 001**

Chester County

### Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective work orders

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

Upgraded transformer

#### Planned:

Remedial efforts completed

# **KENNETT SQUARE 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 work orders

Planned:

Remedial efforts completed

# **KENNETT SQUARE 005**

**Chester County** 

### Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

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

#### Planned:

### KERBAUGH 005

Philadelphia County

# Completed:

Completed reliability corrective work orders

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

Inspected circuit visually and with thermographic camera

Upgraded transformers

Installed additional fuses

Upgraded lightning protection

#### Planned:

Remedial efforts completed

#### KERBAUGH 009

Philadelphia County

# Completed:

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

Inspected circuit visually and with thermographic camera

Installed additional fusing

Upgraded lightning protection

Completed reliability corrective work orders

Performed regularly scheduled tree clearance

#### Planned:

Remedial efforts completed

# LANDENBERG 000

Chester County

# Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

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

Installed 1 phase recloser

#### Planned:

Remedial efforts completed.

# LENAPE 341

Chester County

# Completed:

Completed reliability corrective work orders

Performed regularly schedule tree clearance

Test/Inspect recloser operation

Inspected circuit visually and with thermographic camera

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

#### Planned:

Install-3 phase recloser

Complete reliability corrective work orders

# LENAPE 344

Chester County

# Completed:

Completed reliability corrective work orders

Performed regularly schedule tree clearance

Inspected circuit visually and with thermographic camera

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

Installed 3 phase recloser

#### Planned:

Remedial efforts completed

### LENAPE 351

Chester County

### Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

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

Installed single-phase recloser

Performed regularly schedule tree clearance

Installed additional fuses

Installed additional lightning protection

Installed three-phase recloser

Tested/Inspected recloser operation

#### Planned

Remedial efforts completed

# **LINE 1099**

Philadelphia County

# Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective work orders

Installed wildlife protection

Installed 3 phase recloser

Installed lightning protection

Installed additional fusing

#### Planned:

Remedial efforts completed

# LINE 1100CL

Chester County

# Completed:

Installed additional lightning protection

Installed wildlife protection

Test/ Repair switch

Checked/Repaired switch operation

Inspected circuit visually and with thermographic camera

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

Installed 2-3-phase reclosers

### Planned

# LINE 2200CR

Chester County

# Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective work orders

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

Installed additional fuses

#### Planned

Remedial efforts completed.

### **LINE 2241**

Philadelphia County

# Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective work orders

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

#### Planned

Remedial efforts completed

### **LINE 2445**

Philadelphia County

### Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective work orders

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

Replaced underground cable

Installed switch

#### Planned:

Remedial efforts completed

# LINE 300CR

Chester County

### Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

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

Test/Repair switch

Installed 3 phase recloser and tie recloser

#### Planned

Remedial efforts completed.

# LINE 4600PB

Chester County

# Completed:

Completed reliability corrective work orders

Checked / Repaired recloser operation

Inspected circuit visually and with thermographic camera

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

# Planned

### **LINE 518**

Philadelphia County

# Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

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

#### Planned

Remedial efforts completed.

# LINE 7200WH

Montgomery County

# Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

Performed regularly scheduled tree clearance

#### Planned

Remedial efforts completed

### **LINE 734**

Philadelphia County

# Completed:

Completed reliability corrective work orders

Performed regularly schedule tree clearance

Inspected circuit visually and with thermographic camera

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

Installed additional lightning protection

### Planned

Remedial efforts completed

# LINFIELD 000

Chester County

### Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

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

Installed additional fuses

Upgraded lightning protection

# **Planned**

Remedial efforts completed

# LINTON 342

**Bucks County** 

#### Completed:

Completed reliability corrective work orders

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

Inspected circuit visually and with thermographic camera

Upgrade lightning protection

# Planned:

### LYNDELL-000

Chester County

# Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

Installed additional fuses

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

Installed additional lightning protection

#### Planned

Remedial efforts completed

### MACDADE 137

Delaware County

# Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

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

Replaced aerial wire

Upgraded aerial wire

# Planned:

Remedial efforts completed

# MALL 058

Philadelphia County

# Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective work orders

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

#### Planned:

Upgraded transformer/ underground wires

# MALVERN\_001

Chester County

# Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective work orders

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

Installed 3 phase recloser

Upgraded transformer

Installed additional fuses

#### Planned:

Remedial efforts completed

### **MARKLEY 133**

Montgomery County

### Completed:

Inspected circuit visually and with thermographic camera

Installed wildlife protection

Completed reliability corrective work orders

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

Install 3 phase recloser and tie

Installed single phase recloser

Test/Inspect recloser operation

#### Planned:

# MARPLE\_138

Delaware County

### Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective work orders

Installed additional lightning protection

Upgraded lightning protection

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

### Planned:

Remedial efforts completed

#### **MARSHALLTON-002**

Chester County

# Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

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

Installed 2-three-phase reclosers

Upgraded fuse coordination

#### Planned:

Remedial efforts completed

### MEDIA 011

Delaware County

### Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

Performed regularly schedule tree clearance

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

Installed 3 phase recloser

#### Planned

Remedial efforts completed

### MONROE 004

**Delaware County** 

# Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

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

Installed additional lightning protection

Installed additional fuses

# Planned:

Upgraded primary wire

Perform regularly schedule tree clearance

Install additional wildlife protection

Upgrade primary wire

# MONROE 005

Delaware County

# Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective work orders

Upgraded transformer

#### Planned:

Install compact single phase recloser

Complete reliability corrective work orders

# **NEWLINVILLE 343**

Chester County

# Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

Installed compact single phase recloser

Installed single-phase recloser

# Planned:

Remedial efforts completed.

### **NEWLINVILLE 344**

Chester County

### Completed

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

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

Upgraded lightning protection

Upgraded fuses

Complete reliability corrective work orders

Install single phase recloser

#### Planned

Remedial efforts completed

# **NEWLINVILLE 351**

Chester County

# Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

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

Installed additional lightning protection

Inspect/test recloser operation

#### Planned:

Remedial efforts completed.

#### **NEWLINVILLE 353**

Chester County

# Completed

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

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

#### Planned:

### **NORRISTOWN 009**

Montgomery County

### Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

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

Upgrade transformer

#### Planned:

Remedial efforts completed

# **NORTH WALES 344**

Montgomery County

# Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective work orders

Installed (2) three -phase recloser

#### Planned:

Remedial efforts completed

# OLIVE\_001

Chester County

# Completed:

Completed reliability corrective work orders

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

Inspected circuit visually and with thermographic camera

Installed 3 phase recloser

#### Planned:

Remedial efforts completed

#### OLIVE 004

**Chester County** 

#### Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective work orders

Installed additional lightning protection

Installed additional fuses

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

# Planned:

Remedial efforts completed

# PARKESBURG 001

Chester County -

#### Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective work orders

Install 3-phase recloser

# Planned:

# PEACH\_BOTTOM 361

York County

# Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective work orders

Performed regularly schedule tree clearance

Test/Inspect recloser operation

#### Planned:

Remedial efforts completed.

# PENCOYD 133

**Delaware County** 

# Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective work orders

Installed animal protection

Upgraded fuses

Upgrade underground wires

#### Planned:

Remedial efforts completed

# PERKIOMEN 354

Montgomery County

### Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective work orders

Installed (3) single phase recloser

Replaced switch

Installed additional lightning protection

Installed 3 phase recloser

#### Planned:

Remedial efforts completed

#### **PLYMOUTH 148**

Montgomery County

# Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

Install 3 phase recloser

Upgraded wildlife protection

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

Install 3 phase recloser

# Planned:

### **PULASKIE 135**

Philadelphia County

# Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

Installed additional fusing

Upgraded lightning protection

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

#### Planned:

Completed reliability corrective work orders

# PULASKIE\_136

Philadelphia County

# Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

Installed additional fusing

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

#### Planned:

Remedial work completed

# RADNOR 131

**Delaware County** 

# Completed:

Completed reliability corrective work orders

Performed regularly schedule tree clearance

Inspected circuit visually and with thermographic camera

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

Install additional fuses

#### Planned:

Remedial work completed

# **RICHMOND 132**

Philadelphia County

# Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

Replaced cable

Performed regularly schedule tree clearance

#### Planned:

Installed additional fuses

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

Complete reliability corrective work orders

# **RICHMOND 137**

Philadelphia County

#### Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

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

Install additional fuses

Performed regularly schedule tree clearance

Installed (2) three phase reclosers

Upgraded transformers

### Planned

# RODGERS 131

**Bucks County** 

# Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective work orders

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

### Planned:

Remedial efforts completed

# **RUSHLAND 000**

**Bucks County** 

### Completed

Inspected circuit visually and with thermographic camera

Completed reliability corrective work orders

Upgraded transformers

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

Tested/Inspected recloser operation

#### Planned:

Remedial efforts completed.

# SADSBURY 000

Chester County

### Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

Install 3 phase recloser

Install additional lightning protection

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

#### Planned:

Remedial work completed

#### SAVILLE 134

Delaware County

#### Completed:

Completed reliability corrective work orders

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

Installed additional fusing

Install single phase recloser

#### Planned:

Remedial efforts completed

# **SOLEBURY 001**

**Bucks County** 

### Completed:

Install additional fuse

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective work orders

Upgrade primary wire

Upgraded fuse coordination

#### **Planned**

Remedial work completed

#### SPROUL 001

**Delaware County** 

# Completed

Completed reliability corrective work orders

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

Inspected circuit visually and with thermographic camera

#### Planned:

Remedial efforts completed

# STREET 000

Chester County

### Completed:

Completed reliability corrective work orders

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

Inspected circuit visually and with thermographic camera

Upgrade transformer

Performed regularly schedule tree clearance

Installed 2- three phase reclosers

Installed compact single phase recloser

Installed additional fuses

#### Planned:

Remedial work completed

# SUNNYBURN 002

York County

# Completed

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

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

Upgraded aerial cable

Performed regularly schedule tree clearance

# Planned:

Upgrade transformer

Install additional lightning protection

# SUSQUEHANNA\_341

York County

#### Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

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

Performed regularly schedule tree clearance

Replaced switch

Installed additional lightning protection

### Planned:

Remedial work completed

# **TABOR 136**

Philadelphia County

#### Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective work orders

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

Installed additional fuses

### Planned:

### TOKENA\_002

Chester County

# Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective work orders

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

Upgraded lightning protection

#### Planned

Remedial efforts completed.

### TREVOSE 138

**Bucks County** 

# Completed:

Completed reliability corrective work orders

Install compact single phase recloser

Upgraded secondary wire

Inspected circuit visually and with thermographic camera

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

#### Planned:

Installed additional animal protection

Upgrade secondary wire

# **TROOPER 001**

Montgomery County

### Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

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

#### Planned:

Remedial work completed

# **TURK 000**

Bucks County

# Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

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

Installed additional fusing

Upgraded fusing

#### Planned:

Remedial efforts completed.

# WAGONTOWN 000

**Chester County** 

#### Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

Upgraded transformer

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

#### Planned:

# WALLACE 000

Chester County

# Completed:

Completed reliability corrective workorders

Inspected circuit visually and with thermographic camera

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

Installed additional fuses

#### Planned:

Remedial efforts completed

# WARMINSTER\_142

**Bucks County** 

# Completed:

Inspected circuit visually and with thermographic camera

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

Completed reliability corrective work orders

Installed 3- single phase reclosers

Upgraded fuses

Installed wildlife protection

Upgraded aerial wire

#### Planned

Remedial efforts completed.

# **WAWA 000**

Delaware County

### Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

Installed additional lightning protection

Performed regularly schedule tree clearance

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

Upgraded lightning protection

Installed additional lightning protection

#### Planned

Remedial work completed

### WAYNE 134

**Delaware County** 

### Completed:

Completed reliability corrective work orders

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

Installed 6 single phase reclosers

Performed regularly schedule tree clearance

#### Planned:

# WHITEMARSH\_133

Montgomery County

# Completed:

Completed reliability corrective work orders

Installed wildlife protection

Installed 3- single phase reclosers

Upgraded aerial wire

Performed regularly schedule tree clearance

Inspected circuit visually and with thermographic camera

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

Installed 2-three-phase reclosers

#### Planned:

Remedial work completed

### WICKER 001

Chester County

# Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

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

### Planned

Remedial efforts completed

# WILLOWDALE 002

**Chester County** 

# Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

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

#### **Planned**

Remedial work completed

# WORTH 000

**Bucks County** 

# Completed:

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

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

Install additional fuses

Installed 3 phase recloser

#### Planned:

# 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).

From: Origin ID: REDA (215) 841-5776

Anna Migliaccio Exelon

2301 Market Street S15-2

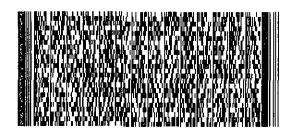
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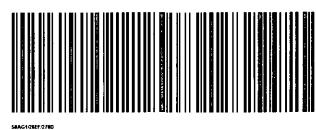
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