

An Exelon Company

**Richard G. Webster, Jr.** Director Rates and Regulatory Affairs

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# Via Federal Express

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 2011 Quarterly Reliability Report for the period ending June 30, 2011.

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 any further questions regarding this matter, please call me at 215-841-5777.

Sincerely,

76 Windy

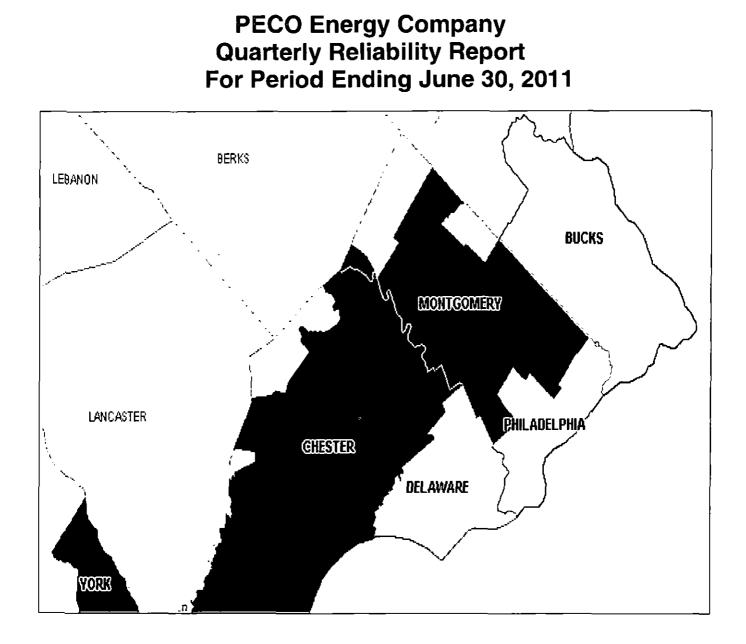
cc: Office of Consumer Advocate Office of Small Business Advocate



JUL 30 2011

PA PUBLIC UTILITY COMMISSION SECRETARY'S BUREAU

enclosures



# August 1, 2011

# PECO Energy ("PECO")

Quarterly Reliability Report for the Period Ending June 30, 2011 filed with the Pennsylvania Public Utility Commission.

Submitted per Rulemaking Re: Amending Electric Service, Docket No. L-00030161 Reliability Regulations at 52 Pa.Code Chapter 57

Section 57.195(e)(1) <u>"A description of each major event that occurred during the preceding guarter,</u> 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 2<sup>nd</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."

	Sustained	Sustained	Momentary	Sustained				
PECO	Customer	Customer	Customer	Customer	SAIFI	CAIDI	SAIDI	MAIFI
Customers	Interruptions	Hours	Interruptions	Minutes				
1,683,989	1,999,354	4,323,166	1,079,619	259,389,980	1.19	130	154	0.64

\*Data reflects 12 months ending 06/30/2011

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 is currently below the benchmark and standard. CAIDI and SAIDI are currently below the standard but above the benchmark established on May 7, 2004. No benchmark or standard was established for MAIFI.

**Section 57.195(e)(3)** <u>"Rolling 12-month reliability index values (SAIFI, CAIDI, SAIDI, and if available,</u> 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 2011 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) <u>"A Rolling 12-month breakdown and analysis of outage causes during the preceding</u> guarter, 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 June 30, 2011									
Cause	Service Outages	% of Service Outages	Customer Interruptions	% of Customer Interruptions	Customer Minutes					
Animal	931	6.7%	28,081	1.4%	2,189,362					
Contact/Dig-In	125	0.9%	17,582	0.9%	1,748,725					
Equipment Failure	5,011	36.1%	723,566	36.2%	77,650,659					
Lightning	529	3.8%	70,809	3.5%	7,976,701					
Other	2,510	18.1%	258,973	13.0%	27,686,162					
T&S	37	0.3%	59,184	3.0%	3.239,889					
Unknown	644	4.6%	102,545	5.1%	13,707,343					
Vegetation-Broken/Uprooted	2,271	16.4%	465,103	23.3%	77,356,669					
Vegetation-Ingrowth	1,474	10.6%	187,988	9.4%	40,228,294					
Vehicles	356	2.6%	85,523	4.3%	7,606,176					

\*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 (71% of vegetation outages), as opposed to ingrowth (29% 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.

Predictive and Prev	entive Mainter	nance Program	n – status as	s of 6/30/201	 l
	2 <sup>nd</sup> Quarte		YTD	2011 Total Planned	
	Planned	Complete	Planned	Complete	
Manhole Inspections (Number of manholes inspected)	432	147	464	349	2,197
Circuit Patrol & Thermography (Number of circuits inspected)	840	883	1,504	1,885	1,504
Recloser Inspections (Number of reclosers inspected)	72	117	144	225	288
Center City Network Inspections (Number of maintenance tasks performed (e.g. visual inspection, functional testing)	156	0	314	392	314
T&S Maintenance (Number of maintenance tasks performed (e.g. visual inspection, predictive/diagnostic maintenance, preventive maintenance) for a variety of substation components)	1,065	1,152	1,973	2,326	4,015
T&S Testing (Number of maintenance tasks performed (e.g. calibration, trip test)	436	640	880	1,084	1,622
Totals	3,001	2,939	5,279	6,261	9,940
Vegetation Managemen	t Preventive M	aintenance P	rogram – st	atus as of 6/3	0/11
	2 <sup>nd</sup> Quarter Miles		YTE	YTD Miles	
	Planned	Complete	Planned	Complete	
Distribution Lift and Manual Trimming	627	614	1,037	1,038	2,640
Transmission Trimming and Removals	48	50	87	90	200
Totals	675	664	1,124	1,128	2,840

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

\$Millions	Budgeted 2nd Quarter	Actual 2nd Quarter	Budgeted Year-to-Date	Actual Year-to-Date
New Business Connections	\$0.6	\$0.3	\$1.2	\$0.6
Capacity Expansion	\$0.3	\$1.8	\$1.1	\$2.4
System Performance	\$11.4	\$11.1	\$22.2	\$20.9
Facility Relocation	\$0.6	\$0.7	\$1.1	\$0.9
Maintenance	\$37.9	\$41.0	\$77.6	\$83.3
Total	\$50.8	\$54.9	\$103.2	\$108.1

**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 2nd Quarter	Actual 2nd Quarter	Budgeted Year-to-Date	Actual Year-to-Date
New Business Connections	\$11.2	\$9.3	\$22.2	\$16.9
Capacity Expansion	\$24.8	\$19.0	\$58.9	\$52.7
System Performance	\$23.4	\$22.0	\$46.3	\$40.7
Facility Relocation	\$3.7	\$2.9	\$6.7	\$4.1
Maintenance	\$19.3	\$22.6	\$37.5	\$43.8
Total	\$82.4	\$75.8	\$171.6	\$158.2

**Section 57.195(e)(9).** "<u>Dedicated staffing levels for transmission and distribution operation and maintenance</u> 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 June 30<sup>th</sup> 2011 was as follows:

Aerial Lineman	375	
Underground Lineman (Include UTS)	53	
Transmission / Substation Mechanics, Operators	103	
Energy Technicians	100	
Aerial Foreman	64	
Underground Foreman (Includes UTS)	17	
Transmission / Substation Foreman	31	
Total	743	

Contact Persons: J. Coffman Director, Engineering (215) 841-4201 jearl.coffman@peco-energy.com

Dick Webster Director, Rates and Regulatory (215) 841-5777 <u>dick.webster@peco-energy.com</u>

Appendix A Rolling 12- month reliability index values for 5% worst performing circuits 12 Month Rolling Rolling Rolling Rollina Rolling Rolling Rolling Momentary CUSTOMERS ON Customers Circuit Circuit Circuit Circuit Customer Customers CAIDI CIRCUIT CIRCUIT SAIFI SAIDI MAIFI Interrupted Hours Interrupted ABINGTON 004 177 2.38 167 398 2.00 422 1,173 354 765 4.13 681 0.00 BELLEVUE\_002 165 3,163 8.685 0 BRADFORD 341 1.592 2.47 139 344 2.64 3,934 9.121 4204 2.270 3.43 73 251 0.62 7,786 9.500 1399 BRADFORD 342 BRADFORD\_346 2,311 2.84176 500 1.20 6,569 19,273 2780 169 988 3.89 658 1.04 3.842 10.840 1028 BRADFORD\_352 2.85 BRADFORD 353 1,140 148 421 2.12 3,244 8,005 2417 393 3.46 170 590 1.05 1.360 3,862 BRYAN 002 414 229 BRYN\_MAWR\_132 1,106 3.68 843 0.00 4,065 15,531 0 259 2.506 1.52 170 1.79 BUCKINGHAM 346 3.809 10.806 4482 987 BUCKINGHAM 351 1,832 6.01 147 880 0.54 11,003 26,879 2,179 1.64 205 335 0.66 3.565 12,154 BUCKINGHAM 352 1428 123 1,388 4.54 557 0.98 6.305 12.878 BUCKINGHAM\_353 1357 2,143 160 4.02 200 804 0.00 643 BURHOLME 014 0 BURHOLME\_132 853 4.10 58 237 0.52 3.499 3,371 442 1,888 1.45 125 182 5,724 1998 BYBERRY\_148 1.06 2,741 1,472 1.57 133 209 0.00 2,310 5.125 BYBERRY\_160 0 1,649 BYBERRY\_173 1.37 160 219 0.00 2,253 6,005 0 2.97 579 167 498 579 CARMEL\_004 1.00 1.722 4.804 4.35 388 1685 0.00 10,334 CARVER\_000 368 1,600 0 0.38 384 145 0.00 382 2.448 CEDARBROOK 131 1,015 0 2,047 182 6,221 3.01 61 0.03 6.163 63 CHICHESTER\_137 5.05 109 551 3.44 4,176 CHURCH 004 455 2.298 1564 245 1.72 185 319 0.00 422 1,302 CIVIC\_010 0 5.23 235 1230 2,380 2.42 12,450 48,795 5769 CLAY\_342 4.46 201 897 2.00 8,436 1126 564 2,516 CURLY 000 982 5.03 68 342 0.00 5,603 DOWNINGTOWN 003 4,937 0 696 3.89 166 646 1.00 2.708 7,496 693 DOYLESTOWN 003 588 3.15 130 410 1.00 1,851 4,018 588 DURHAM\_002 5.03 92 463 7.986 12,264 EAGLE 352 1,588 1.48 2355 75 FALLS\_011 323 0.55 136 0.00 178 402 0 986 2.42 218 527 0.52 2.382 8.668 517 FALLS 341 5.39 159 854 1.04 2,430 6,420 471 FIN\_002 451 2.09 166 347 0.00 451 944 2,611 0 FLINT\_131 4,341 162 3.52 457 1608 0.52 570 FLINT 147 84 FOULK 131 1,742 5.04 117 588 1.13 8,788 17,070 1962 1.99 106 210 1.472 0.00 2.9285.158 0 FOULK\_133

FOX\_CHASE\_131

FOX CHASE 134

FURNACE 000

GOLF 001

GOLF 002

GRAVEL 002

GROVE\_000

HANOVER 003

HEARTWOOD 001

HOWELL 002

GLADWYNE\_138

1.709

948

568

478

695

537

459

641

626

586

389

3.49

3.75

5.71

4.27

3.15

4.24

3.22

2.82

7.45

3.38

8.93

100

54

258

233

195

194

96

116

181

263

108

350

202

1471

995

615

822

310

327

1350

888

961

1.00

1.47

0.00

3.01

5.07

1.84

1.00

2.00

0.17

0.00

2.05

5,968

3,554

3,242

2.041

2.191

2,275

1,479

1.808

4.663

1,978

3.475

9,966

3,196

13,930

7.926

7.126

7,361

2,372

3.489

14,084

8,674

6,234

1709

1396

0

1437

3521

989

459

1280

107

0

797

	CUSTOMERS ON	12 Month Rolling Circuit	12 Month Rolling Circuit	12 Month Rolling Circuit	12 Month Rolling Circuit	12 Month Rolling Customers	12 Month Rolling Customer	12 Month Rolling Momentary Customers
CIRCUIT	CIRCUIT	SAIFI	CAID	SAIDI	MAIFI	Interrupted	Hours	Interrupted
HUNTING_PARK_048	907	2.31	104	241	0.00	2,093	3,641	0
JARRETT_132	948	1.43	87	124	0.47	1,355	1,961	446
JARRETT_144	1,160	8.20	92	758	0.99	9,51 <u>6</u>	14,662	1154
JORDAN_002	434	1.67	130	218	1.00	726	1,576	435
LENAPE_000	476	2.25	245	551	0.04	1,07 <u>0</u>	4,375	21
LINE_131_00WO	545	2.54	262	665	0.00	1,385	6,037	0
LINE_149_00	983	0.99	87	87	2.23	977	1,420	2192
LINE_161_00CO	1,218	1.31	200	262	0.99	1,592	5,309	_1200
LINE_175_00CO	338	3.18	139	441	<u>1.00</u>	1,075	2,483 _	338
LINE_183_00	721	1.03	140	144	0.00	744	1,732	0
LINE_2206	4	1.50	79	119	0.75	6	8	3
LINE_2252	278	2.43	204	496	0.00	676	2,297	0
LINE_2672	70	6.20	70	432	0.00	434	504	0
LINE_2682	1,845	0.40	116	46	0.00	730	1,414	0
LINE_3307NT	1,781	0.38	301	115	0.01	677	3,402	18
LINE_6000	16	4.69	210	984	0.00	75	262	0
LINE_9600	454	3.01	128	384	0.00	1,365	2,904	1
LOMBARD_032	205	3.08	119	366	0.00	632	1,250	0
LOMBARD_043	330	2.95	155	455	0.00	972	2,504	0
MACDADE_136	2,467	0.75	103	77	0.00	1,840	3,147	0
MAIN_000	131	5.42	179	969	0.00	710	2,116	0
MARPLE_003	436	7.22	249	1796	1.00	3,148	13,054	436
MIDDLETOWN_352	2,320	4.73	228	1080	2.27	10,978	41,772	5267
MORGAN_001	246	2.32	131	304	0.00	570	1,246	0
MORGAN_002	370	3.63	267	971	0.00	1,344	5,990	0
MORRISVILLE_012	832	1.37	123	169	0.00	1,142	2,337	0
MORTON_133	781	5.68	243	1379	0.00	4,437	17,955	0
MORTON_142	1,307	3.33	177	589	0.06	4,358	12,826	82
MORWOOD_000	704	3.08	78	241	0.00	2,165	2,830	0
NEW_HOPE_001	515	3.74	187	700	5.99	1,928	6,009	3085
NEW_HOPE_002	705	3.28	156	513	5.99	2,312	6,023	4220
NEWLINVILLE_343	2,517	4.28	57	242	2.98	10,775	10,169	7501
NEWTOWN_SQUAR_131	1,310	4.63	110	508	2.43	6,059	11,101	3182
NEWTOWN_SQUAR_133	683	4.73	212	1004	3.05	3,228	11,428	2085
NEWTOWN_SQUAR_134	658	2.77	88	243	0.38	1,820	2,665	250
NEWTOWN_SQUAR_146	1,150	2.74	98	269	0.88	3,151	5,155	1012
NICE_001	157	5.81	65	378	0.00	912	988	0
NORCO_001	425	3.28	86	283	1.00	1,394	2,005	424
NORTH_WALES_347	851	2.07	96	199	1.54	1,764	2,821	1308
PENCOYD_134	221	4.86	251	1219	0.00	1,074	4,491	0
PIKE_041	1,178	0.90	61	55	0.00	1,059	1,082	0
PLANEBROOK_351	1,238	6.06	152	919	1.70	7,506	18,959	2107
PLUMSTEAD_001	331	4.08	111	453	0.00	1,352	2,498	0
PULASKI_014	966	2.77	92	255	0.23	2,676	4,110	226
ROXBOROUGH_136	1,153	1.36	98	133	0.00	1,573	2,557	0
SCOTT_002	291	2.00	190	379	0.00	581	1,837	0
SHEEDER_000	438	6.21	184	1141	2.99	2,718	8,330	1310
SOLEBURY_002	319	2.50	301	751	2.98	796	3,995	951
SPROUL_002	652	8.37	49	412	2.00	5,454	4,481	1304
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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
STONY_001	403	3.29	133	437	1.00	1,324	2,938	402
STOTTSVILLE_000	490	5.47	101	553	0.00	2,678	4,515	0
SUNNYBURN_001	458	4.39	249	1095	0.02	2,012	8,362	9
TREDYFFRIN_341	641	3.13	118	369	0.00	2,005	3,943	0
TUNA_141	455	1.84	72	132	0.00	835	1,003	1
UNIVERSITY_011	365	2.96	212	630	0.51	1,082	3,831	186
UPPER_DARBY_132	1,648	3.91	53	206	0.00	6,436	5,670	0
UPPER_MERION_351	2,695	3.41	131	448	0.00	9,198	20,118	0
WAYNE_134	677	4.67	91	425	3.31	3,162	4,793	2242
WAYNE_136	868	2.69	113	304	3.69	2,336	4,402	3203
WEST_BUCK_001	244	2.15	121	261	0.00	525	1,062	0
WHITEMARSH_141	1,045	2.94	78	228	0.80	3,068	3,978	841
WICKER_002	154	3.15	219	691	1.00	485	1,773	154
WOODBOURNE_352	649	1.45	346	500	0.02	938	5,412	12
WRIGHT_000	404	0.45	501	223	0.01	180	1,504	4
WYNCOTE_003	210	6.26	137	858	0.00	1,314	3,005	0
YEADON_134	1,821	1.30	295	382	0.55	2,360	11,605	1010

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.

#### 2

# Appendix B

Remedial efforts taken and planned for 5% worst performing circuits as of 06/30/11 **ABINGTON\_004** Montgomery County **Completed:** Inspected circuit visually and with thermographic camera Inspected selected areas of circuit for vegetation issues and corrected as needed Completed reliability corrective workorders Completed regularly schedule tree trimming **Planned:** 

Remedial efforts completed

#### BELLEVUE\_002

Bucks County Completed: Inspected circuit visually and with thermographic camera Inspected selected areas of circuit for vegetation issues and corrected as needed Completed reliability corrective workorders Planned: Remedial efforts completed

#### BRADFORD\_341

Chester County Completed: Inspected circuit visually and with thermographic camera Inspected selected areas of circuit for vegetation issues and corrected as needed Completed reliability corrective workorders Installed 3-three phase reclosers Planned: Remedial efforts completed

#### BRADFORD\_342

Chester County Completed: Inspected circuit visually and with thermographic camera Inspected selected areas of circuit for vegetation issues and corrected as needed Installed 2-three phase reclosers Planned: Install additional fusing

#### BRADFORD\_346

Chester County Completed Completed reliability corrective work orders Installed animal protection Tested/Inspected recloser operation Installed three phase recloser Upgraded transformer Installed additional lightning protection Performed regularly schedule tree clearance Inspected selected areas of circuit for vegetation issues and corrected as needed Inspected circuit visually and with thermographic camera Upgraded fuses Planned Remedial efforts completed

# BRADFORD\_352

Chester County Completed: Inspected circuit visually and with thermographic camera Inspected selected areas of circuit for vegetation issues and corrected as needed Completed reliability corrective work orders Inspect/ Test switch operation Planned Remedial efforts completed

### BRADFORD\_353

Chester County Completed: Inspected circuit visually and with thermographic camera Inspected selected areas of circuit for vegetation issues and corrected as needed Installed three phase recloser Completed reliability corrective work orders Planned Remedial efforts completed

#### BRYAN\_002

York 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.

# 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 work orders Planned

Remedial efforts completed

#### BUCKINGHAM\_346

Bucks County **Completed:** Inspected circuit visually and with thermographic camera Inspected selected areas of circuit for vegetation issues and corrected as needed Completed reliability corrective work orders Upgraded transformers Upgraded primary wires Upgraded underground wires Install additional lightning protection Install additional fuses **Planned** Remedial efforts completed

#### BUCKINGHAM\_351

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 Upgraded transformer Repaired / tested switch operation Installed additional lightning protection Installed 3-phase recloser Performed regularly schedule tree clearance **Planned:** Remedial efforts completed

#### BUCKINGHAM\_352

**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 Upgraded transformer Inspected/Tested recloser operation **Planned** Complete reliability corrective work orders

#### BUCKINGHAM\_353

Bucks County **Completed:** Complete 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 lightning protection Upgraded secondary wires **Planned** Remedial efforts completed

#### BURHOLME\_014

Philadelphia County **Completed:** Inspected circuit visually and with thermographic camera Inspected selected areas of circuit for vegetation issues and corrected as needed Tested/ Inspected switch operation Reconfigure station leg cable Completed reliability corrective work orders Replaced cable **Planned** Install switch Install switch Install wildlife protection Complete reliability corrective work orders

# BURHOLME\_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 Installed additional fuses Upgraded lightning protection Installed 3-3 phase reclosers **Planned** Remedial efforts completed

#### BYBERRY\_148

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 Upgrade secondary wires Upgraded transformer Install 1 phase recloser **Planned** 

Remedial efforts completed.

# **BYBERRY\_160**

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 Upgraded transformer

#### Planned

Upgrade fuses Complete reliability corrective work orders Upgraded cable insulation

#### BYBERRY\_173

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 Installed three phase recloser Check/ test recloser operation Installed additional animal protection Installed compact single phase recloser **Planned:** Remedial efforts completed.

#### CARMEL\_004

Montgomery County

### **Completed:**

Inspected circuit visually and with thermographic camera Inspected selected areas of circuit for vegetation issues and corrected as needed Completed reliability corrective work orders Installed tree wire Upgraded transformer Installed additional fuses Tested recloser operation **Planned** Remedial efforts completed

# CARVER\_000

Bucks County Completed: Inspected circuit visually and with thermographic camera Inspected selected areas of circuit for vegetation issues and corrected as needed Completed reliability corrective work orders Upgraded transformer Planned

Complete reliability corrective work orders Install animal protection Inspect select areas of circuit for vegetation issues and correct as needed

# 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 work orders Upgraded secondary wires Planned Remedial efforts completed

# CHICHESTER\_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 work orders Upgraded cable insulation Upgraded lightning protection Upgraded secondary wires Planned Install 3 phase recloser

# CHURCH\_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 Completed regularly scheduled tree trimming Planned: Remedial efforts completed

# CIVIC\_010

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 Replaced underground cable Upgraded fuse coordination Completed regularly scheduled tree trimming Planned: Remedial efforts completed

#### CLAY\_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 additional lightning protection Installed additional fusing Replaced cable Installed animal protection Upgraded wire Planned: Check/ test recloser operation

# CURLY\_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 Planned:

Complete reliability corrective work orders

# DOWNINGTOWN\_003

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

#### DOYLESTOWN\_003

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: Install 3-phase recloser Upgrade service wire Inspected selected areas of circuit for vegetation issues and correct as needed

#### DURHAM\_002

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 Planned

Complete reliability corrective work orders

### EAGLE\_352

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 Install 2- 3 phase reclosers Complete regularly scheduled tree trimming **Planned:** Remedial efforts completed

#### FALLS\_011

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

#### FALLS\_341

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

Remedial efforts completed

#### FIN\_002

York County Completed Completed reliability corrective work orders Inspected circuit visually and with thermographic camera Upgraded fuses Inspect selected areas of circuit for vegetation issues and corrected as needed Planned Remedial efforts completed

# FLINT\_131

Delaware County Completed: Inspected circuit visually and with thermographic camera Completed reliability corrective work orders Performed regularly scheduled tree clearance Inspected selected areas of circuit for vegetation issues and corrected as needed Planned: Remedial efforts completed

#### FLINT\_147

**Delaware 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 animal protection Installed additional fuses Install single phase recloser **Planned:** Remedial efforts completed

# FOULK\_131

Delaware 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 additional lightning protection Installed additional fuses **Planned:** Install (3) three phase reclosers

#### FOULK\_133

Delaware 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 additional fuses Planned:

Remedial efforts completed

# FOX CHASE\_131

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 Upgrade lightning protection Install additional fuses Planned: Remedial efforts completed

# FOX CHASE\_134

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:** 

Install additional fuses Complete reliability corrective workorders Replace aerial cable

## 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 work orders Installed 3 phase recloser Installed additional fusing Upgraded fuse coordination **Planned:** Remedial efforts completed

# **GLADWYNE-138**

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:

Install 3 phase recloser Complete reliability corrective work orders

# GOLF\_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 additional fuses

#### **Planned:**

Remedial efforts completed

# GOLF\_002

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 faulted circuit indicators Installed additional fuses **Planned:** Remedial efforts completed

#### GRAVEL\_002

#### 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 Planned:

Remedial efforts completed

## GROVE\_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

#### **Planned:**

Complete reliability corrective work orders Install 2-3phase reclosers on supply circuit Install additional fuses

# HANOVER \_003

**Bucks County** 

#### **Completed:**

Completed reliability corrective work orders

Upgraded aerial wire

Upgraded transformer

Inspected circuit visually and with thermographic camera

#### **Planned:**

Inspect selected areas of circuit for vegetation issues and correct as needed Complete reliability corrective work orders

#### HEARTWOOD\_001

#### Bucks County Completed: Inspected circuit visually and with thermographic camera Completed reliability corrective work orders Planned: Complete reliability corrective work orders Install additional fuses

#### HOWELL\_002

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 Complete regularly schedule tree trimming Planned: Remedial efforts completed

#### HUNTING\_PARK\_048

Philadelphia 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:

Completed reliability corrective work orders Install additional lightning protection Upgrade fusing Inspect selected areas of circuit for vegetation issues and correct as needed

### JARRETT\_132

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 Planned: Remedial efforts completed

#### JARRETT\_144

Montgomery County Completed: Completed reliability corrective work orders Inspected selected areas of circuit for vegetation issues and correct as needed Complete regularly schedule tree trimming Install 2-3 phase reclosers Upgrade wire Planned: Remedial efforts completed

#### JORDAN\_002

Montgomery County **Completed:** Completed reliability corrective work orders Inspected selected areas of circuit for vegetation issues and correct as needed Upgraded wires Upgraded transformers **Planned:** Remedial efforts completed

#### LENAPE\_000

Chester County Completed: Inspected selected areas of circuit for vegetation issues and correct as needed Inspected circuit visually and with thermographic camera Completed reliability corrective work orders Install additional fusing Planned: Remedial efforts completed

### LINE\_131-00W0 Bucks County Completed: Completed reliability corrective work orders Inspected selected areas of circuit for vegetation issues and correct as needed Planned: Remedial efforts completed

LINE\_149\_00

Chester County

#### Completed:

Completed reliability corrective work orders Inspected selected areas of circuit for vegetation issues and correct as needed Installed additional lightning protection Upgrade fuse coordination Tested/ Inspected switch operation Installed 3-phase recloser **Planned:** 

Remedial efforts completed

#### LINE\_161\_00CO

Chester County

#### **Completed:**

Completed reliability corrective work orders Inspected selected areas of circuit for vegetation issues and correct as needed Installed additional lightning protection Complete regularly scheduled tree trimming **Planned:** Remedial efforts completed

#### LINE\_175\_00CO

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 Upgraded secondary wires Installed lightning protection Installed 3 phase reclosers Tested/Inspected switch operation Perform regularly schedule tree clearance **Planned:** Remedial efforts completed

LINE\_183\_00

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

# LINE 2206

Philadelphia 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 Upgraded transformer Installed additional fuses Upgraded lightning protection **Planned:** Remedial efforts completed

#### LINE\_2252

Philadelphia 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 Replaced underground cable Planned: Remedial efforts completed

#### LINE\_2672

Philadelphia 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: Replace underground cable

#### LINE\_2682

Philadelphia 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 Upgraded lightning protection Installed additional fuses Perform regularly scheduled tree trimming Planned: Remedial efforts completed

#### LINE\_3307NT

Chester County Completed: Inspected circuit visually and with thermographic camera Completed reliability corrective work orders Performed regularly scheduled tree clearance Installed additional fuses Installed additional lightning protection Inspected selected areas of circuit for vegetation issues and corrected as needed Planned: Remedial efforts complete

#### LINE\_6000 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 Installed capacitor Planned:

Remedial efforts completed

### LINE\_9600

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 Complete regularly scheduled tree trimming **Planned:** Remedial efforts completed

#### LOMBARD\_032

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 **Planned:** 

Install recording /testing devices

#### LOMBARD\_043

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 Replaced transformer Upgraded underground cable Planned: Remedial efforts completed

# MACDADE\_136

Delaware 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 animal protection Completed regularly scheduled tree trimming Planned Remedial efforts completed

# **MAIN\_000**

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

Reconfigure circuit Complete regularly scheduled tree trimming

#### MARPLE\_003

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

MIDDLETOWN 352 **Delaware** County **Completed:** Performed regularly scheduled tree clearance Inspected circuit visually and with thermographic camera Completed reliability corrective work orders Upgraded cable insulation Inspected selected areas of circuit for vegetation issues and corrected as needed Installed additional lightning protection Installed 3 phase recloser Performed regularly schedule tree clearance Installed 3 phase recloser **Planned:** Remedial efforts completed

#### **MORGAN 001**

**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

#### MORGAN\_002

**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 fuses Planned Upgrade wires

#### MORRISVILLE\_012

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 lightning protection **Planned Permadial afforts completed** 

Remedial efforts completed.

#### MORTON\_133

Delaware County Completed: Completed reliability corrective work orders Inspected circuit visually and with thermographic camera Performed regularly scheduled tree clearance Installed wildlife protection Inspected selected areas of circuit for vegetation issues and correct as needed Completed regularly scheduled tree trimming Planned

Remedial efforts completed

#### MORTON\_142

Delaware County **Completed** Inspected circuit visually and with thermographic camera Completed reliability corrective work orders Performed regularly scheduled tree clearance **Planned:** Complete reliability corrective work orders

#### MORWOOD\_000

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 Install additional fuses Upgrade transformer

#### NEW\_HOPE\_001

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 Installed additional fuses Upgraded transformer Planned: Remedial efforts completed

#### NEW\_HOPE\_002 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 wires Planned: Remedial efforts completed

#### NEWLINVILLE\_343

Chester County Completed: Completed reliability corrective work orders Tested/Inspected recloser operation Inspected circuit visually and with thermographic camera Upgraded fusing Installed additional lightning protection Installed 3 phase recloser

#### **Planned:**

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

#### NEWTOWN\_SQUARE\_131

Delaware County **Completed:** Completed reliability corrective work orders Tested/Inspected recloser operation Inspected circuit visually and with thermographic camera Inspected selected areas of circuit for vegetation issues and correct as needed Upgraded fuse coordination Installed compact 1 phase recloser Installed 2 - 3 phase reclosers Installed tree resistant spacer cable Installed additional animal protection **Planned:** Remedial efforts completed

#### NEWTOWN\_SQUARE\_133

Delaware 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 additional transformer Planned: Remedial efforts completed

#### NEWTOWN\_SQUARE\_134

# Delaware County

**Completed:** Completed reliability corrective work orders Inspected circuit visually and with thermographic camera Installed 3 phase reclosers **Planned:** Complete reliability corrective work orders Install additional fuses

### **NEWTOWN\_SQUARE\_146**

# 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 underground cable Updated recloser communication settings. Planned Remedial efforts completed

# **NICE 001**

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 Installed additional fuses **Planned:** Remedial efforts completed

#### NORCO\_001

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 Planned Remedial efforts completed

# **NORTH WALES 347**

Montgomery County **Completed:** Completed reliability corrective work orders Inspected circuit visually and with thermographic camera Installed switch **Planned:** Remedial efforts completed

#### PENCOYD 134

Delaware County Completed: Inspected circuit visually and with thermographic camera Inspected selected areas of circuit for vegetation issues and correct as needed Completed reliability corrective work orders Upgraded transformer Completed regularly scheduled tree trimming **Planned:** Remedial efforts completed

PIKE\_041 Philadelphia County Completed: Completed reliability corrective work orders Inspected circuit visually and with thermographic camera Upgraded lightning protection Installed additional fuses Planned: Remedial efforts completed

# PLANEBROOK\_351

Chester County Completed Completed reliability corrective work orders Inspected circuit visually and with thermographic camera Install additional animal protection Tested/Inspected recloser operation Repair switch Planned Completed reliability corrective work orders

#### PLUMSTEAD\_001

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.

#### PULASKI\_014

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 Installed additional fuses Complete regularly scheduled tree trimming Planned: Remedial efforts completed

# ROXBOROUGH\_136

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 Tested/Inspected recloser operation Installed additional fuses Installed 3 phase recloser Completed regularly scheduled tree trimming Planned: Remedial efforts completed

# SCOTT\_002 Delaware County Completed: Inspected circuit visually and with thermographic camera Inspected selected areas of circuit for vegetation issues and correct as needed Inspect/Test recloser operation Completed regularly scheduled tree trimming Planned:

Remedial efforts completed

#### SHEEDER\_000

Chester County Completed: Completed reliability corrective work orders Inspected selected areas of circuit for vegetation issues and correct as needed Installed 3 phase recloser Installed additional fuses Installed additional transformer Installed faulted circuit indicators Completed regularly scheduled tree trimming Planned: Remedial efforts completed

#### SOLEBURY\_002

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

# SPROUL\_002

Delaware 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 Tested Inspected recloser operation Replaced switch Installed additional fuses Completed regularly scheduled tree trimming **Planned:** Remedial efforts completed

# STONY\_001

Bucks County

#### Completed:

Inspected circuit visually and with thermographic camera Inspected selected areas of circuit for vegetation issues and correct as needed Completed reliability corrective work orders Install additional fuses **Planned:** Remedial efforts completed.

#### STOTTSVILLE\_000

Chester County Completed: Inspected circuit visually and with thermographic camera Completed reliability corrective work orders Install additional fuses Inspect selected areas of circuit for vegetation issues and correct as needed Planned: Remedial efforts completed

#### SUNNYBURN\_001

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 Installed additional lightning protection Installed additional fuses Installed three phase recloser on supply circuit **Planned:** Remedial efforts completed

#### TREDDYFRIN\_341

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 Upgrade fuse coordination Install 3 phase recloser Complete regularly scheduled tree trimming Planned: Remedial efforts completed

# TUNA\_141

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 Installed additional fuses Completed regularly scheduled tree trimming Planned: Remedial efforts completed

#### UNIVERSITY\_011

Philadelphia County Completed: Completed reliability corrective work orders Inspected circuit visually and with thermographic camera Completed regularly scheduled tree trimming Planned: Remedial efforts completed

#### UPPER\_DARBY\_132

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 Installed 3 phase recloser Installed additional fuses **Planned:** Remedial efforts completed

#### UPPER\_MERION\_351

Montgomery County Completed: Completed reliability corrective work orders Inspected reliability corrective work orders Inspected circuit visually and with thermographic camera Inspected selected areas of circuit for vegetation issues and correct as needed Test/Inspect recloser operation Test/Inspect switch operation Completed regularly scheduled tree trimming Planned: Remedial work completed

#### WAYNE\_134

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 Tested / Inspected recloser operation Installed heavy duty tree wire Installed 3-1 phase reclosers **Planned:** Remedial efforts completed

#### WAYNE\_136

Delaware County Completed: Completed reliability corrective work orders Inspected circuit visually and with thermographic camera Installed three phase reclosers Installed tree resistant spacer cable Planned: Remedial efforts completed.

#### WEST\_BUCK\_001

**Bucks** County

#### Completed

Inspected circuit visually and with thermographic camera Completed reliability corrective work orders Installed 3 phase recloser on supply circuit Upgraded secondary wires **Planned**: Remedial efforts completed

#### WHITEMARSH\_141

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 Replaced underground cable Installed compact 1 phase recloser Installed three phase reclosers Tested recloser operation Installed animal protection Upgrades fusing **Planned:** Remedial efforts completed

#### WICKER\_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

#### WOODBOURNE\_352

# Bucks County

**Completed:** Completed reliability corrective work orders Inspected circuit visually and with thermographic camera **Planned:** Remedial work completed

#### WRIGHT\_000

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 Upgraded transformer Planned: Remedial efforts completed

#### WYNCOTE\_003

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 tree wire Planned: Remedial efforts completed

# YEADON\_134

Delaware County

# Completed:

Inspected circuit visually and with thermographic camera Inspected selected areas of circuit for vegetation issues and correct as needed Completed reliability corrective work orders Performed regularly schedule tree clearance Tested/Inspected recloser operation Upgraded transformer Installed additional animal protection Upgraded lightning protection **Planned:** Remedial efforts completed

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# 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).