

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

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October 28, 2011

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PA PUBLIC UTILITY COMMISSION SECRETARY'S BUREAU

<u>Via Federal Express</u> 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 September 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.

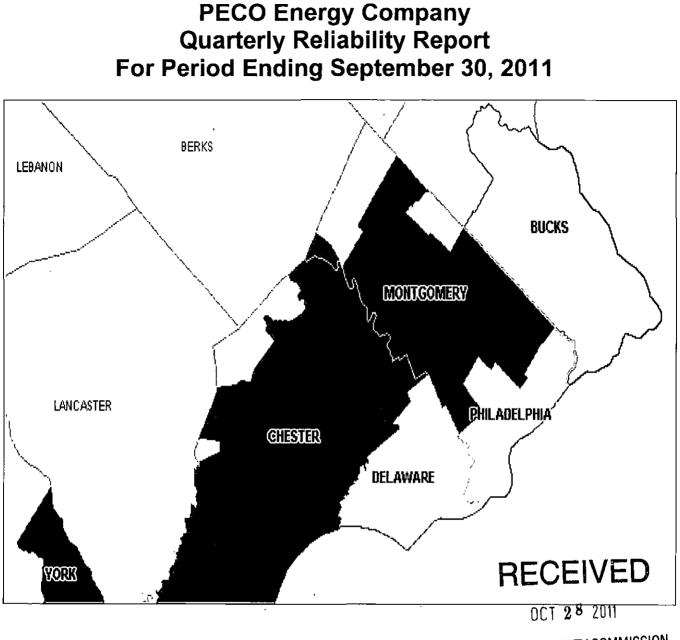
Sincerely,

Richard & Celebster for / MBC

cc: Office of Consumer Advocate Office of Small Business Advocate

enclosures

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PA PUBLIC UTILITY COMMISSION SECRETARY'S BUREAU

November 1, 2011

PECO Energy ("PECO")

Quarterly Reliability Report for the Period Ending September 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 quarter,</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."

On August 27, 2011, Hurricane Irene hit the PECO service territory. The storm caused interruptions to over 511,000 customers. All counties were impacted; however, Delaware and Bucks Counties had the most sustained interruptions. Along with PECO employees, an additional 1,500 personnel aided in restoration efforts. Lessons Learned were conducted and it was noted areas for improvement included customer communications regarding restorations and securing truck permits for foreign crews. The data contained in this report exclude the service interruptions associated with this major event, as approved by the Commission on October 12, 2011.

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

PECO Customers	Sustained Customer Interruptions	Customer	Momentary Customer Interruptions	Sustained Customer Minutes	SAIFI	CAIDI	SAIDI	MAIFI
1,686,096	2,020,730	4,575,936	1,055,037	274,556,159	1.20	136	163	0.63

*Data reflects 12 months ending 09/30/2011

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

CAIDI was driven above the Standard by storms, especially the February 2nd ice storm, which affected 9.7% of PECO customers, and was therefore not allowed to be excluded as a major event. CAIDI was also driven by excessive rain during August and September, which caused trees to uproot and streams to flood, impeding service restoration efforts.

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

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 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."</u>

	12 Months	Ending Septe	mber 30, 2011	-	
Cause	Service Outages	% of Service Outages	Customer Interruptions	% of Customer Interruptions	Customer Minutes
Animal	795	5.5%	32,494	1.6%	2,831,041
Contact/Dig-In	108	0.8%	18,878	0.9%	1,680,943
Equipment Failure	5,060	35.2%	654,834	32.4%	76,431,919
Lightning	850	5.9%	130,811	6.5%	17,061,135
Other	2,603	18.1%	276,431	13.7%	29,484,015
T&S	34	0.2%	77,126	3.8%	8,539,181
Unknown	661	4.6%	112,924	5.6%	14,576,071
Vegetation-Broken/Uprooted	2,414	16.8%	444,467	22.0%	80,964,221
Vegetation-Ingrowth	1,493	10.4%	180,350	8.9%	36,204,821
Vehicles	372	2.6%	95,743	4.7%	7,964,706

*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

Reliability Report for period ending September 30, 2011

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.

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	nd Preventive Ma	aintenance Prog	ram – status as	of 9/30/2011	
	3 rd Quarte	er Tasks	YTE) Tasks	2011 Total Planned
	Planned	Complete	Planned	Complete	
Manhole Inspections (Number of manholes inspected)	1,200	724	1,664	1,073	2,197
Circuit Patrol & Thermography (Number of circuits inspected)	0	0	1,504	1,885	1,504
Recloser Inspections (Number of reclosers inspected)	72	57	216	282	288
Center City Network Inspections (Number of maintenance tasks performed (e.g. visual inspection, functional testing)	0	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)	1,031	1,034	3,004	3,360	4,015
T&S Testing (Number of maintenance tasks performed (e.g. calibration, trip test)	360	110	1,240	1,194	1,622
Totals	2,663	1,925	7,942	8,186	9,940

Vegetation Management Preventive Maintenance Program – status as of 9/30/11											
	3 rd Quart	er Miles	YT	D Miles	2011 Total Planned						
	Planned	Complete	Planned	Complete							
Distribution Lift and Manual Trimming	685	533	1,722	1,571	2,640						
Transmission Trimming and Removals	57	54	144	144	200						
Totals	742	587	1,866	1,715	2,840						

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 3 rd Quarter	Actual 3 rd Quarter	Budgeted Year-to-Date	Actual Year-to-Date
New Business Connections	\$0:5	\$0.4	\$1.7	\$1.0
Capacity Expansion	\$0.2	\$1.1	\$1.3	\$3.5
System Performance	\$11.1	\$12.9	\$33.3	\$33.8
Facility Relocation	\$0.7	\$0.5	\$1.8	\$1.4
Maintenance	\$36.8	\$39.9	\$114.4	\$123.2
Total	\$49.3	\$54.8	\$152.5	\$162.9

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 3 rd Quarter	Actual 3 rd Quarter	Budgeted Year-to-Date	Actual Year-to-Date
New Business Connections	\$9.4	\$9.1	\$31.6	\$26.0
Capacity Expansion	\$15.9	\$17.1	\$74.8	\$69.8
System Performance	\$22.4	\$16.5	\$68.7	\$57.2
Facility Relocation	\$2.9	\$0.9	\$9.6	\$5.0
Maintenance	\$20.4	\$20.7	\$57.9	\$64.5
Total	\$71.0	\$64.3	\$242.6	\$222.5

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 September 30th 2011 was as follows:

*Aerial Lineman	392
Underground Lineman (Include UTS)	53
Transmission / Substation Mechanics, Operators	99
Energy Technicians	98
Aerial Foreman	64
Underground Foreman (Includes UTS)	18
Transmission / Substation Foreman	30
Total	754

*Total includes candidates in an aerial line school that was started in the 3rd quarter.

Contact Persons:

J. Coffman Director, Engineering (215) 841-4201 jearl.coffman@peco-energy.com Dick Webster Director, Rates and Regulatory (215) 841-5777 dick.webster@peco-energy.com

Rolling 12-	month reliabil	ity mue	x value	5 101 3 /0	WUISL	periorining	CITCUILS	····
	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	CAIDI	SAIDI	MAIFI	Interrupted	Hours	Interrupted
ABINGTON_004	177	4.41	186	820	2.00	780	2,418	354
BELLEVUE_002	765	3.31	164	542	1.00	2,532	6,913	765
BRADFORD_341	1,592	1.57	135	212	5.29	2,497	5,627	8428
BRADFORD_342	2,272	1.83	88	161	0.84	4,154	6,101	1912
BRADFORD_346	2,314	2.07	170	352	1.20	4,786	13,567	2780
BRADFORD_352	993	2.59	121	312	0.95	2,567	5,167	941
BRADFORD_353	1,140	3.58	143	513	1.99	4,086	9,755	2273
BRYAN_002	396	0.25	419	106	0.04	100	699	17
BRYN_MAWR_132	1,105	3.49	119	416	0.00	3,853	7,654	0
BUCKINGHAM_346	2,529	0.96	178	172	1.14	2,437	7,238	2889
BUCKINGHAM_351	1,833	4.71	188	883	0.55	8,628	26,989	1006
BUCKINGHAM_352	2,179	1.66	202	335	0.66	3,610	12,156	1428
BUCKINGHAM_353	1,388	3.82	123	471	0.70	5,308	10,891	967
BURHOLME_014	160	4.01	199	795	0.00	641	2,121	0
BURHOLME 132	853	1.41	72	102	0.00	1,206	1,447	0
BYBERRY 148	1,888	1.46	127	185	1.06	2,757	5,813	1998
BYBERRY 160	1,472	1.76	147	259	0.00	2,595	6,363	0
BYBERRY 173	1,649	0.89	150	134	0.05	1,473	3,686	80
CARMEL 004	579	0.97	381	369	0.00	561	3,558	0
CARVER 000	368	3.33	494	1648	0.00	1,227	10,106	0
CEDARBROOK 131	1,015	0.64	387	248	0.00	649	4,190	0
CHICHESTER 137	2,054	2.35	49	116	0.03	4,836	3,971	63
CHURCH 004	455	0.54	95	51	3.49	244	388	1586
	246	1.72	185	318	0.00	422	1,302	0
CLAY 342	2,383	3.83	307	1177	2.05	9,120	46,735	4891
CURLY 000	564	6.46	161	1040	1.00	3,641	9,775	563
DOWNINGTOWN 003	982	5.04	39	199	2.00	4,946	3,254	1964
DOYLESTOWN 003	694	3.84	159	610	0.00	2,668	7,059	0
DURHAM 002	588	4.30	117	502	1.00	2,526	4,920	589
EAGLE 352	1,589	4.21	107	449	1.30	6,685	11,904	2070
FALLS 011	323	0.55	133	73	0.00	177	394	0
FALLS 341	986	2.89	197	571	0.29	2,851	9,379	285
FIN 002	451	2.29	134	308	0.00	1,034	2,316	0
FLINT 131	451	3.14	148	467	0.00	1,417	3,507	0
FLINT 147	162	2.57	210	540	0.52	416	1,457	84
FOULK 131	1,742	4.91	114	559	1.14	8,561	16,228	1983
FOULK 133	1,475	2.99	95	285	0.00	4,411	6,995	0
FOX CHASE 131	1,709	2.08	132	275	0.00	3,561	7,832	0
FOX CHASE 134	948	1.55	79	123	0.66	1,473	1,937	623
FURNACE 000	571	1.20	364	436	0.00	684	4,149	0
GLADWYNE 138	478	4.71	96	453	3.01	2,252	3,613	1437
GOLF 001	695	3.06	194	595	4.07	2,129	6,887	2829
GOLF 002	537	4.20	174	730	1.84	2,253	6,531	990
GRAVEL 002	459	1.12	151	169	1.04	513	1,290	459
GROVE 000	640	1.68	154	259	1.00	1,075	2,761	640
HANOVER 003	630	6.43	183	1179	1.16	4,049	12,382	733
HEARTWOOD 001	586	2.45	338	828	1.00	1,436	8,088	586
HOWELL_002	391	8.92	153	1366	3.03	3,486	8,905	1185
	001	0.52	100	1000	0.00	0,400	0,000	1100

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

ĊĨŔĊIJĨŦ	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
HUNTING PARK 048	907	2.38	104	248	0.00	2,163	3,747	0
JARRETT 132	950	2.10	188	395	0.94	1,995	6,255	892
JARRETT 144	1,160	6.77	121	821	1.40	7,858	15,880	1629
JORDAN 002	434		81	56	1.00	301	408	435
LENAPE 000	476	2.12	270	572	0.06	1,009	4,534	28
LINE 131 00WO	545	2.16	284	613	0.00	1,178	5,568	0
LINE 149 00	983	0.87	77	67	2.48	854	1,101	2434
LINE 161 00CO	1,225	3.35	176	590	1.01	4,104	12,052	1239
LINE 175 00CO	339	3.00	128	384	1.02	1,018	2,171	345
LINE 183 00	721	0.31	167	53	1.02	227	632	734
LINE 2206	4	0.00	0	0	0.75	-	-	3
LINE 2252	278	1.37	402	549	0.00	380	2,544	0
LINE 2672	70	2.03	75	152	0.01	142	178	1
LINE 2682	1,846	0.41	121	50	0.00	753	1,523	0
LINE 3307NT	1,782	0.45	280	127	0.50	810	3,784	899
LINE 6000	16	5.06	189	959	0.00	81	256	0
LINE 9600	454	3.00	122	368	0.01	1,364	2,782	4
LOMBARD 032	205	3.08	119	366	0.00	632	1,250	0
LOMBARD 043	330	4.59	129	590	0.24	1,514	3,245	79
MACDADE 136	2,467	0.41	116	47	0.00	1,009	1,948	0
MAIN 000	131	3.55	274	974	0.00	465	2,126	0
MARPLE 003	436	5.20	325	1690	1.00	2,266	12,282	436
MIDDLETOWN 352	2,322	2.80	167	468	2.96	6,512	18,101	6862
MORGAN 001	246	3.08	153	473	1.00	758	1,938	246
MORGAN 002	370	4.81	256	1229	1.00	1,779	7,576	370
MORRISVILLE 012	832	1.44	119	172	0.00	1,200	2,379	0
MORTON 133	782	4.59	261	1199	0.00	3,588	15,631	0
MORTON 142	1,308	4.46	151	673	0.06	5,838	14,679	82
MORWOOD_000	705	2.18	100	218	0.00	1,539	2,565	0
NEW_HOPE_001	515	2.69	137	369	6.00	1,383	3,165	3091
NEW_HOPE_002	704	2.26	132	299	6.00	1,590	3,510	4221
NEWLINVILLE_343	2,551	2.94	55	162	1.61	7,509	6,881	4101
NEWTOWN_SQUAR_131	1,310	5.31	108	571	2.71	6,950	12,462	3544
NEWTOWN_SQUAR_133	683	5.15	168	865	2.94	3,519	9,843	2006
NEWTOWN_SQUAR_134		1	134	703	0.38	3,461	7,706	250
NEWTOWN_SQUAR_146		2.41	117	281	0.16	2,773	5,386	187
NICE_001	157	2.92	69	202	0.00	458	527	0
NORCO_001	425	1.39	82	115	1.00	592	<u>813</u>	425
NORTH_WALES_347	853	1.25	111	139	1.17	1,067	1,971	1002
PENCOYD_134	221	3.09	101	311	0.00	682	1,146	0
PIKE_041	· · · · · · · · · · · · · · · · · · ·	0.85	62	53	0.00	997	1,037	0
PLANEBROOK_351	· · · · · · · · · · · · · · · · · · ·	3.84	180	692	0.76	4,749	14,261	939
PLUMSTEAD_001		3.06	173		0.00	1,013	2,920	0
PULASKI_014	966		86		0.23	1,706	2,435	226
ROXBOROUGH_136	1,153		66	120	0.00	2,086	2,300	0
SCOTT_002	291	0.52	108	55	0.00	150	269	0
SHEEDER_000	438	6.17	188	1161	2.00	2,702	8,474	874
SOLEBURY_002	319	4.95	207	1024	1.98	1,579	5,442	633
SPROUL_002			85	419	2.00	3,230	4,552	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	2.45	149	365	1.00	986	<u>2,453</u>	402
STOTTSVILLE_000	490	5.17	80	411	0.00	2,533	<u>3,357</u>	0
SUNNYBURN_001	459	0.31	397	125	0.02	144	953	9
TREDYFFRIN_341	641	0.76	194	148	0.00	490	<u>1,583</u>	0
TUNA_141	457	0.94	81	76	0.00	429	577	1
UNIVERSITY_011	368	3.76	103	386	0.51	1,382	2,367	186
UPPER_DARBY_132	1,648	0.93	25	24	0.00	1,538	649	0
UPPER_MERION_351	2,695	2.65	133	354	0.00	7,154	15,880	0
WAYNE_134	677	3.10	120	373	3.92	2,096	4,205	2651
WAYNE_136	869	3.57	114	408	4.64	3,098	5,910	4029
WEST_BUCK_001	244	1.13	185	208	0.00	_ 275	846	0
WHITEMARSH_141	1,045	3.10	116	359	0.71	3,242	6,257	745
WICKER_002	154	3.34	174	580	0.99	515	1,490	153
WOODBOURNE_352	649	2.09	299	624	0.34	1,356	6,754	218
WRIGHT_000	404	1.45	162	234	0.01	584	1,578	4
WYNCOTE_003	210	5.07	142	719	0.00	1,065	2,516	0
YEADON_134	1,821	1.25	305	380	0.55	2,268	11,527	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.

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Appendix B

Remedial efforts taken and planned for 5% worst performing circuits as of 09/30/11 **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 Inspected/ Tested 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 Installed additional lightning protection Installed 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 Reconfigured 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 Upgraded 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 Upgrade 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 Checked/ tested 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 Installed 3 phase recloser **Planned** Remedial efforts completed

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:** Remedial efforts completed

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 Installed3-phase recloser Upgraded service wire Inspected selected areas of circuit for vegetation issues and correct as needed Planned: Remedial efforts completed

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 Remedial efforts completed

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 Installed 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

FIN 002

York County Completed Completed reliability corrective work orders Inspected circuit visually and with thermographic camera Upgraded fuses Inspected 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

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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 Upgraded lightning protection Installed 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 Installed additional fuses Completed reliability corrective workorders Replaced aerial cable Planned:

Remedial efforts completed

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 Installed 3 phase recloser

Planned: Remedial efforts completed

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 Installed 2-3phase reclosers on supply circuit Installed additional fuses **Planned:**

Remedial efforts completed

HANOVER_003

Bucks County **Completed:** Completed reliability corrective work orders Upgraded aerial wire Upgraded transformer Inspected circuit visually and with thermographic camera Inspected selected areas of circuit for vegetation issues and correct as needed **Planned:** Remedial efforts completed

HEARTWOOD_001

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

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 Completed 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:** Complete 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 Completed regularly schedule tree trimming Installed 2-3 phase reclosers Upgraded wire **Planned:** Remedial efforts completed

JORDAN_002

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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 Installed 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 Upgraded 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 Completed 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 Performed 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 Performed 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 Completed 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

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 Reconfigured circuit Completed regularly scheduled tree trimming **Planned** Remedial efforts completed

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 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 Upgraded wires Planned

Remedial efforts completed

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** 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: Remedial efforts completed

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 Installed additional fuses Upgraded transformer Planned Remedial efforts completed

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 Upgraded 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 Inspected selected areas of circuit for vegetation issues and correct as needed Planned: Remedial efforts completed

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 recloser **Planned:** Complete reliability corrective work orders Install additional fuses

NEWTOWN_SQUARE_146

Delaware 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 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 a

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 Installed additional animal protection Tested/Inspected recloser operation Repaired switch **Planned** Remedial efforts completed

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 Completed 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 Inspected/Tested 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 Installed additional fuses

Planned:

Remedial efforts completed.

STOTTSVILLE_000

Chester County

Completed:

Inspected circuit visually and with thermographic camera Completed reliability corrective work orders Installed additional fuses

Inspected 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 3 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 Installed 3 phase recloser Completed 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 circuit visually and with thermographic camera Inspected selected areas of circuit for vegetation issues and correct as needed Tested/Inspected recloser operation Tested/Inspected switch operation Completed regularly scheduled tree trimming **Planned:** Remedial efforts completed

WAYNE_134

Delaware County Completed: 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 three 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 efforts completed

WOODBOURNE 352

Bucks County Completed: Completed reliability corrective work orders Inspected circuit visually and with thermographic camera Planned: Remedial efforts 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

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).



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