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AN EXELON COMPANY

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August 1, 2023

VIA E-FILING

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

M-2023-3039027-AEL-8/3/23

Re: PECO 2023 Second Quarter Reliability Report PUC Docket No. ~~M-2016-2592508~~

Dear Secretary Chiavetta:

Enclosed is PECO's 2023 Quarterly Reliability Report for the period ending June 30, 2023 submitted pursuant to the Electric Service Reliability Regulations at 52 Pa. Code Chapter 57.

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

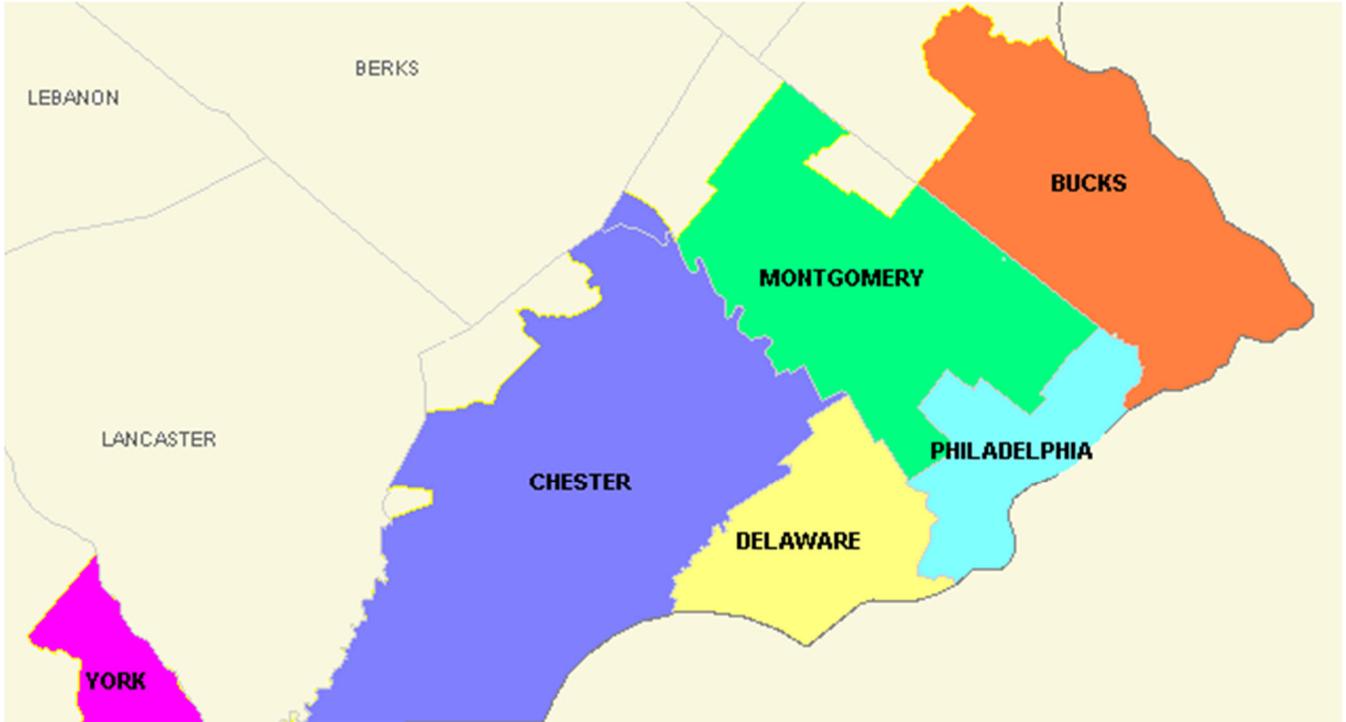
Thank you for your assistance in this matter and please direct any questions regarding the above to Megan McDevitt, Manager, Retail Rates at 267-533-1942 or via email: megan.mcdevitt@exeloncorp.com.

Sincerely,

Enclosure

Cc: John Van Zant (via email only)
Dan Searfoorce (via email only)
Harry R. Bidelspach (via email only)
Office of Consumer Advocate (via email only)
Office of Small Business Advocate (via email only)

PECO Energy Company Quarterly Reliability Report For Period Ending June 30, 2023



August 1, 2023

PECO Energy (“PECO”)

Quarterly Reliability Report for the Period Ending June 30, 2023 filed with the Pennsylvania Public Utility Commission.

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

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

In the second quarter of 2023, PECO experienced no events that qualified as major events under Pa. Code § 57.192, which specifies that a minimum of 10% of customers must be affected for the event to qualify.

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

PECO Customers	Sustained Customer Interruptions	Sustained Customer Hours	Momentary Customer Interruptions	Sustained Customer Minutes	SAIFI	CAIDI	SAIDI	MAIFI
1,686,299	1,115,735	1,840,866	1,214,070	110,451,953	0.66	99	65	0.72

Data reflects 12 months ending 06/30/2023.

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

SAIFI, CAIDI, and SAIDI are all below their Benchmarks and below their Standards. Benchmarks and Standards were established on May 7, 2004. No Benchmark or Standard was established for MAIFI.

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

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

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

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

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

12 Months Ending June 30, 2023					
Cause	Service Outages	% of Service Outages	Customer Interruptions	% of Customer Interruptions	Customer Minutes
Animal	1,351	11.7%	34,077	3.1%	1,984,989
Contact/Dig-In	139	1.2%	17,078	1.5%	1,328,991
Equipment Failure	4,191	36.3%	387,034	34.7%	34,055,996
Lightning	255	2.2%	34,130	3.1%	3,467,515
Other	456	4.0%	63,159	5.7%	3,432,395
T&S	13	0.1%	18,113	1.6%	663,229
Unknown	434	3.8%	83,741	7.5%	4,540,663
Vegetation-Broken/Uprooted	3,839	33.3%	399,699	35.8%	51,514,991
Vegetation-Ingrowth	470	4.1%	32,192	2.9%	5,407,231
Vehicles	396	3.4%	46,513	4.2%	4,056,110

*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. Outages due to equipment and trees are being addressed through PECO’s Long-term Infrastructure Improvement Plans and other reliability programs. Most customer interruptions caused by trees came from broken branches and tree trunks or uprooted trees (35.8% of all customer interruptions), as opposed to ingrowth (2.9% of all outage customer interruptions). PECO continues to address ash tree failures caused by emerald ash borers (invasive insects that cause ash tree deaths) with a vegetation management program to mitigate the threat to its facilities and customer reliability.

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 Preventive Maintenance Program – status as of 6/30/2023					
	2 nd Quarter Tasks		YTD Tasks		2023 Total Planned
	Planned	Complete	Planned	Complete	
Recloser Inspections (Number of reclosers inspected)	162	314	288	605	460
Circuit Patrol & Thermography (Number of circuits patrolled)	330	380	617	749	969
Pole Inspections (Number of poles visually inspected)	12,300	10,691	23,512	25,089	34,000
Padmount Transformers (Number of transformers visually inspected)	2090	3483	3466	4505	6,666
Below Ground Transformers (Number of transformers visually inspected)	332	518	669	767	1,216
Substations (Number of substations inspections performed (e.g. visual inspection, reading of currents, voltages, temperature etc.) for a variety of substation components)	344	346	687	692	1,370
Unit Substations (Number of unit substations inspections performed (e.g. visual inspection, reading of currents, voltages, temperature etc.) for a variety of substation components)	696	757	1392	1524	2,780

Vegetation Management Preventive Maintenance Program – status as of 6/30/2023					
	2 nd Quarter Miles		YTD Miles		2023 Total Planned
	Planned	Complete	Planned	Complete	
Distribution Lift and Manual Trimming	706	898	1,412	1,770	2,824
Transmission Trimming and Removals	51	51	103	102	198

PECO’s additional completed. miles YTD under its vegetation distribution preventive maintenance are due to accelerated maintenance.

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 2 nd Quarter	Actual 2 nd Quarter	Budgeted Year-to-Date	Actual Year-to-Date
New Business Connections	\$0.9	\$1.1	\$1.8	\$2.1
Capacity Expansion	\$0.1	\$0.1	\$0.2	\$0.2
System Performance	\$22.1	\$18.5	\$40.5	\$39.8
Facility Relocation	\$0.3	\$0.1	\$0.4	\$0.3
Maintenance	\$54.0	\$56.2	\$103.4	\$114.9
Total	\$77.4	\$76.0	\$146.3	\$157.3

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

\$Millions	Budgeted 2 nd Quarter	Actual 2 nd Quarter	Budgeted Year-to-Date	Actual Year-to-Date
New Business Connections	\$15.0	\$23.3	\$31.8	\$48.2
Capacity Expansion	\$9.9	\$6.6	\$19.3	\$10.6
System Performance	\$133.8	\$179.6	\$248.3	\$331.1
Facility Relocation	\$3.0	\$5.2	\$8.1	\$11.0
Maintenance	\$34.0	\$40.7	\$68.3	\$80.5
Total	\$195.7	\$255.4	\$375.8	\$481.4

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

PECO’s full-time trade staff as of June 30, 2023 was as follows:

Aerial Lineman	417
Underground Lineman (Include UTS)	76
Transmission / Substation Mechanics, Operators	109
Energy Technicians	85
Aerial Foreman	80
Underground Foreman	17
Transmission / Substation Foreman	45
ET Foreman	8
Total	837

Contact Persons:

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Appendix A

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

CIRCUIT	CUSTOMERS ON CIRCUIT	12 Month Rolling Circuit SAIFI	12 Month Rolling Circuit CAIDI	12 Month Rolling Circuit SAIDI	12 Month Rolling Circuit MAIFI	12 Month Rolling Customers Interrupted	12 Month Rolling Customer Hours	12 Month Rolling Momentary Customers Interrupted
ABINGTON_005	432	1.40	54	76	0.25	605	548	106
AIRY_004	663	1.89	27	52	0.00	1252	574	3
AQUE_000	232	5.88	166	975	1.37	1363	3768	318
BACTON_000	237	7.57	193	1458	4.41	1794	5758	1044
BLUE_GRASS_131	1740	0.74	73	54	2.69	1296	1574	4685
BLUE_GRASS_142	1503	1.52	33	50	0.55	2287	1262	828
BRADFORD_341	1293	2.07	102	211	4.32	2682	4539	5584
BRADFORD_342	2332	0.84	142	118	1.08	1948	4597	2514
BRYN_MAWR_131	891	1.56	53	83	2.07	1389	1235	1841
BUCK_000	371	2.94	139	409	0.16	1092	2530	59
BUCKINGHAM_342	3118	3.21	73	234	2.77	10017	12140	8639
BUCKINGHAM_352	2720	0.99	22	22	1.44	2691	1005	3912
BUCKINGHAM_372	1123	1.34	223	299	1.54	1508	5604	1733
BURHOLME_134	483	0	0	0	0	0	0	0
BYBERRY_136	838	0.50	108	53	0.68	416	746	567
CEDARBROOK_131	1019	0.55	126	69	0.08	557	1174	80
CHANDLER_000	405	1.02	90	92	4.36	415	622	1764
CONCORD_351	2299	2.86	91	261	5.06	6579	10006	11637
COUNTY_LINE_003	534	0.05	41	2	0.00	27	19	0
CRUSHER_000	749	1.90	112	212	3.16	1420	2648	2369
DILTOWN_005	337	2.10	31	66	1.12	708	369	376
DOWNINGTOWN_004	758	2.06	32	66	2.63	1560	833	1993
DOWNINGTOWN_005	753	2.11	71	151	1.89	1589	1891	1423
DURHAM_003	563	0.13	179	23	0.00	73	218	0
DUTTON_002	308	0.26	212	54	0.00	79	279	0
EAGLE_342	3048	2.25	166	374	4.35	6847	18985	13270
FOX_CHASE_138	888	0.67	61	41	0.39	594	601	348
FOX_CHASE_141	1538	0.28	150	42	0.78	431	1075	1206
GARRETT_006	877	1.01	81	82	0.00	885	1193	1
GERMANTOWN_023	699	0.02	73	1	0.00	14	17	0
GOSHEN_352	3344	2.67	125	335	1.95	8935	18688	6505
HARTSVILLE_003	733	0.08	49	4	0.00	55	45	0
HAYES_000	370	1.11	443	492	2.06	411	3036	764
HEATON_169	1471	0.17	135	23	0.69	250	564	1017
JARRETT_133	1293	0.46	92	42	0.05	599	915	63
JARRETT_142	917	1.04	71	73	0.36	950	1116	332
JARRETT_144	1223	0.46	141	65	0.47	561	1315	575
JENKINTOWN_131	1257	1.28	53	67	2.36	1603	1413	2970
JENKINTOWN_133	1238	1.37	105	144	0.12	1690	2969	145
JENKINTOWN_139	965	2.00	155	311	1.49	1929	4996	1442

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
KENNETT_SQUAR_006	434	0.00	0	0	2.58	0	0	1121
KEYS_001	574	0	0	0	0	0	0	0
KIMBERTON_001	704	0.44	563	248	4.16	310	2907	2927
LANE_001	376	3.58	180	643	3.24	1346	4028	1219
LANE_002	750	2.21	192	425	1.12	1658	5311	843
LENAPE_342	1999	0.96	168	162	3.26	1928	5404	6522
LENAPE_343	1995	3.53	58	204	7.87	7046	6786	15692
LENAPE_351	1807	1.28	170	218	1.37	2315	6551	2478
LEVITT_008	686	0.35	201	70	0.60	237	795	411
LINE_104_00BY	3	3.00	206	617	0.00	9	31	0
LINE_1300CR	2554	3.34	104	349	3.10	8529	14852	7915
LINE_2100CR	1638	1.46	43	62	2.21	2397	1705	3624
LINE_2675	623	1.11	46	51	0.00	693	528	1
LINE_3344	621	1.85	195	362	0.12	1149	3742	75
LINE_6000	12	1.33	549	732	3.25	16	146	39
LINE_9600	453	2.12	165	349	0.00	959	2633	1
LINFIELD_000	702	8.36	70	584	0.92	5867	6837	644
LINTON_341	2717	0.28	149	41	1.35	754	1867	3668
LLANERCH_147	2310	1.18	51	60	3.74	2733	2307	8641
LLANERCH_161	1197	0.91	212	193	0.60	1089	3857	724
LOGAN_002	830	0.32	28	9	0.01	268	125	5
LOGAN_006	864	0.40	82	32	0.00	343	466	0
LUZERNE_004	856	1.01	32	33	0.00	867	465	0
LYNDELL_000	137	5.31	159	843	9.03	727	1925	1237
MAIN_000	97	1.07	65	70	1.04	104	113	101
MANOR_001	204	4.17	267	1112	5.08	850	3780	1037
MAPLE_HILL_000	627	3.22	345	1110	2.33	2016	11598	1460
MASTER_142	818	0.04	40	2	0.00	33	22	4
MATSON_131	759	1.57	84	133	10.89	1194	1679	8263
MIDDLETOWN_349	2122	2.92	112	326	5.38	6200	11535	11425
MIDDLETOWN_352	1853	1.87	104	195	0.57	3464	6008	1047
MONROE_006	363	1.85	159	294	1.53	672	1778	554
MOON_003	593	1.01	169	171	0.17	600	1689	99
NESHAMINY_141	1218	1.00	18	18	0.26	1217	365	312
NEWLINVILLE_342	1947	2.80	79	222	5.06	5447	7211	9850
NEWLINVILLE_351	1552	0.27	35	10	2.43	424	250	3772
NEWLINVILLE_352	2402	1.45	84	123	4.08	3491	4907	9805
NEWLINVILLE_362	2747	2.00	235	468	4.73	5487	21448	12995
NORTH_WALES_344	1433	0.12	49	6	1.68	179	147	2410
OLIVE_001	902	0.06	527	34	0.02	58	509	22
PAOLI_002	291	1.01	72	73	1.00	294	354	291

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
PENLLYN_004	464	2.82	67	188	0.01	1309	1456	3
PLYMOUTH_161	306	2.09	75	157	0.08	641	802	23
POOLS_001	620	1.54	60	93	0.04	956	957	24
POOLS_002	477	2.62	52	136	0.03	1251	1085	12
PULASKI_012	268	0.01	429	5	0.00	3	21	0
PULASKI_132	3728	0.52	54	28	0.03	1936	1738	114
RICHMOND_143	2172	1.24	13	16	1.18	2689	595	2563
RUSHLAND_000	387	5.45	111	603	0.05	2110	3887	20
SLATE_000	142	2.36	179	422	0.01	335	999	1
SOMERSET_007	688	0.05	6	0	0.00	32	3	0
SPENCER_011	356	0	0	0	0	0	0	0
STONY_001	399	2.15	104	223	2.01	856	1485	800
TABOR_139	1706	0.33	52	17	0.74	561	487	1267
TANGUY_000	190	4.71	117	551	6.01	894	1744	1142
THORNDALE_003	133	0.00	0	0	2.59	0	0	344
UPPER_MERION_132	1129	0.78	88	68	1.23	881	1286	1388
UPPER_PROVIDENCE_351	2769	0.11	174	18	0.54	291	843	1494
UWCHLAN_004	535	2.09	172	359	4.34	1119	3204	2321
VAUGHN_002	621	0.05	39	2	0.19	34	22	115
WAGONTOWN_000	528	6.56	138	905	4.13	3465	7965	2181
WARMINSTER_003	134	0.98	64	63	1.51	131	140	203
WASHINGTON_SQ_002	387	0.01	399	4	0.00	4	27	0
WASHINGTON_SQ_003	368	0.10	192	20	0.00	38	122	0
WASHINGTON_SQ_005	Retired	Retired	Retired	Retired	Retired	Retired	Retired	Retired
WAYNE_146	558	0.62	39	24	1.48	348	223	826
WEST_BUCK_002	441	1.86	85	158	1.17	822	1160	515
WEST_GROVE_001	507	2.10	65	136	0.94	1063	1148	479
WESTTOWN_000	243	3.70	94	347	4.27	898	1405	1038
WHITEMARSH_131	463	0.07	140	10	0.00	34	79	0
WHITEMARSH_132	1825	0.21	64	14	0.01	389	413	24
WHITEMARSH_141	1134	1.56	75	117	2.16	1765	2212	2448
WHITEMARSH_161	1318	0.27	90	25	0.55	362	543	724
WINDRIM_001	623	0.96	15	14	0.00	599	150	0

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

Appendix B

Remedial efforts taken and planned for 5% worst performing circuits as of 06/30/2023

ABINGTON_005

Montgomery County

Completed.:

Upgrade secondary

Planned:

Inspect circuit visually and with thermographic camera.

AIRY_004

Montgomery County

Completed.:

Inspect circuit visually and with thermographic camera.
Remedial efforts completed.

AQUE_000

Bucks County

Completed.:

Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera.
Remedial efforts completed.

BACTON_000

Chester County

Completed.:

Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera.
Relocate pole line
Remedial efforts completed.

BLUE_GRASS_131

Philadelphia County

Completed.:

Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera.
Remedial efforts completed.

BLUE_GRASS_142

Philadelphia County

Completed.:

Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera.
Remedial efforts completed.

BRADFORD_341

Chester County

Completed.:

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera.

BRADFORD_342

Chester County

Completed.:

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera.

BRYN_MAWR_131

Delaware County

Completed.:

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera.
Install new recloser

BUCKINGHAM_342

Bucks County

Completed.:

Complete corrective reliability work orders
Install tree resistant wire

Planned:

Inspect circuit visually and with thermographic camera.

BUCKINGHAM_352

Bucks County

Planned:

Inspect circuit visually and with thermographic camera.

BUCKINGHAM_372

Bucks County

Planned:

Inspect circuit visually and with thermographic camera.

BUCK_000

Chester County

Completed.:

Inspect selected areas of circuit for vegetation issues and correct as needed.
Install new fusing

Planned:

Inspect circuit visually and with thermographic camera.

BURHOLME_134

Philadelphia County

Completed.:

Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera.
Remedial efforts completed.

BYBERRY_136

Philadelphia County

Completed.:

Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera.
Remedial efforts completed.

CEDARBROOK_131

Montgomery County

Completed.:

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera.

CHANDLER_000*Chester County***Completed.:**

Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera.
Inspect selected areas of circuit for vegetation issues and correct as needed.
Remedial efforts completed.

CONCORD_351*Delaware County***Completed.:**

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

Planned:

Inspect circuit visually and with thermographic camera.

COUNTY_LINE_003*Bucks County***Completed.:**

Complete corrective reliability work orders
Upgrade transformer

Planned:

Inspect circuit visually and with thermographic camera.

CRUSHER_000*Montgomery County***Planned:**

Inspect circuit visually and with thermographic camera.

DILTOWN_005*Chester County***Completed.:**

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

Planned:

Inspect circuit visually and with thermographic camera.

DOWNINGTOWN_004*Chester County***Completed.:**

Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera.
Remedial efforts completed.

DOWNINGTOWN_005*Chester County***Completed.:**

Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera.
Inspect selected areas of circuit for vegetation issues and correct as needed.
Remedial efforts completed.

DURHAM_003*Bucks County***Completed.:**

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

Planned:

Inspect circuit visually and with thermographic camera.

DUTTON_002

Delaware County

Completed.:

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera.

EAGLE_342

Chester County

Completed.:

Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera.
Remedial efforts completed.

FOX_CHASE_138

Philadelphia County

Completed.:

Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera.
Install animal protection
Remedial efforts completed.

FOX_CHASE_141

Philadelphia County

Completed.:

Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera.
Remedial efforts completed.

GARRETT_006

Delaware County

Completed.:

Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera.
Remedial efforts completed.

GERMANTOWN_023

Philadelphia County

Completed.:

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera.

GOSHEN_352

Chester County

Completed.:

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera.

HARTSVILLE_003

Bucks County

Completed.:

Inspect circuit visually and with thermographic camera.

Planned:

Install new fusing

HAYES_000

Chester County

Completed.:

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera.

HEATON_169

Montgomery County

Completed.:

Complete corrective reliability work orders

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

Install animal protection

Upgrade fusing

Planned:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera.

Upgrade secondary

JARRETT_133

Montgomery County

Completed.:

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

Planned:

Inspect circuit visually and with thermographic camera.

JARRETT_142

Montgomery County

Completed.:

Complete corrective reliability work orders

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

Planned:

Inspect circuit visually and with thermographic camera.

JARRETT_144

Montgomery County

Completed.:

Install new fusing

Upgrade fusing

Planned:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera.

JENKINTOWN_131

Montgomery County

Completed.:

Complete corrective reliability work orders

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

Install animal protection

Relocate pole line

Upgrade secondary

Planned:

Inspect circuit visually and with thermographic camera.

JENKINTOWN_133

Montgomery County

Completed.:

Complete corrective reliability work orders

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

Planned:

Inspect circuit visually and with thermographic camera.

JENKINTOWN_139

Montgomery County

Completed.:

Complete corrective reliability work orders

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

Install animal protection

Upgrade secondary

Planned:

Inspect circuit visually and with thermographic camera.

KENNETT_SQUAR_006

Chester County

Completed.:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera.

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

Remedial efforts completed.

KEYS_001

Bucks County

Completed.:

Inspect circuit visually and with thermographic camera.

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

Install new fusing

Remedial efforts completed.

KIMBERTON_001

Chester County

Completed.:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera.

Remedial efforts completed.

LANE_001

Montgomery County

Completed.:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera.

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

Remedial efforts completed.

LANE_002

Montgomery County

Completed.:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera.

Remedial efforts completed.

LENAPE_342

Chester County

Completed.:

Complete corrective reliability work orders
Install new fusing

Planned:

Inspect circuit visually and with thermographic camera.

LENAPE_343

Chester County

Completed.:

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

Planned:

Inspect circuit visually and with thermographic camera.

LENAPE_351

Chester County

Completed.:

Complete corrective reliability work orders
Upgrade insulators

Planned:

Inspect circuit visually and with thermographic camera.

LEVITT_008

Bucks County

Completed.:

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera.
Install new recloser
Upgrade secondary

LINE_104_00BY

Bucks County

Completed.:

Complete corrective reliability work orders

Planned:

Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera.

LINE_1300CR

Chester County

Completed.:

Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera.
Inspect selected areas of circuit for vegetation issues and correct as needed.
Remedial efforts completed.

LINE_2100CR

Chester County

Completed.:

Inspect circuit visually and with thermographic camera.

Planned:

Create breakdown between circuits

LINE_2675*Philadelphia County***Completed.:**

Complete corrective reliability work orders

Install new fusing

Planned:

Inspect circuit visually and with thermographic camera.

LINE_3344*Delaware County***Completed.:**

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera.

LINE_6000*Bucks County***Planned:**

Inspect circuit visually and with thermographic camera.

LINE_9600*Montgomery County***Completed.:**

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera.

LINFIELD_000*Chester County***Completed.:**

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera.

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

Planned:

Install new recloser

LINTON_341*Bucks County***Completed.:**

Complete corrective reliability work orders

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

Planned:

Inspect circuit visually and with thermographic camera.

LLANERCH_147*Delaware County***Completed.:**

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera.

LLANERCH_161*Delaware County***Completed.:**

Complete corrective reliability work orders

Install new fusing

Upgrade transformer

Planned:

Inspect circuit visually and with thermographic camera.

LOGAN_002

Philadelphia County

Completed.:

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera.

LOGAN_006

Philadelphia County

Completed.:

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera.

LUZERNE_004

Philadelphia County

Completed.:

Complete corrective reliability work orders

Upgrade fusing

Planned:

Inspect circuit visually and with thermographic camera.

LYNDELL_000

Chester County

Completed.:

Inspect circuit visually and with thermographic camera.

Planned:

Upgrade primary

MAIN_000

Philadelphia County

Planned:

Inspect circuit visually and with thermographic camera.

MANOR_001

Chester County

Completed.:

Inspect circuit visually and with thermographic camera.

Install new fusing

Remedial efforts completed.

MAPLE_HILL_000

Montgomery County

Completed.:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera.

Remedial efforts completed.

MASTER_142

Philadelphia County

Completed.:

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera.

MATSON_131

Delaware County

Completed.:

Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera..
Remedial efforts completed..

MIDDLETOWN_349

Delaware County

Completed.:

Complete corrective reliability work orders
Install new fusing
Upgrade transformer

Planned:

Inspect circuit visually and with thermographic camera..

MIDDLETOWN_352

Delaware County

Planned:

Inspect circuit visually and with thermographic camera..

MONROE_006

Delaware County

Completed.:

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

Planned:

Inspect circuit visually and with thermographic camera.
Upgrade primary

MOON_003

Bucks County

Completed.:

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

Planned:

Inspect circuit visually and with thermographic camera..

NESHAMINY_141

Bucks County

Planned:

Inspect circuit visually and with thermographic camera..

NEWLINVILLE_342

Chester County

Completed.:

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

Planned:

Inspect circuit visually and with thermographic camera..

NEWLINVILLE_351

Chester County

Planned:

Inspect circuit visually and with thermographic camera..

NEWLINVILLE_352*Chester County***Completed.:**

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera..

Install cut-out mounted recloser.

NEWLINVILLE_362*Chester County***Completed.:**

Upgrade insulators

Upgrade primary

Planned:

Inspect circuit visually and with thermographic camera.

NORTH_WALES_344*Montgomery County***Completed.:**

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera.

OLIVE_001*Chester County***Completed.:**

Inspect circuit visually and with thermographic camera.

Planned:

Upgrade primary

PAOLI_002*Chester County***Completed.:**

Inspect circuit visually and with thermographic camera.

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

Planned:

Install tree resistant wire

PENLLYN_004*Montgomery County***Completed.:**

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

Upgrade secondary

Planned:

Inspect circuit visually and with thermographic camera.

PLYMOUTH_161*Montgomery County***Completed.:**

Complete corrective reliability work orders

Install animal protection

Install new fusing

Planned:

Inspect circuit visually and with thermographic camera.

POOLS_001

Bucks County

Completed.:

Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera.
Upgrade secondary
Remedial efforts completed.

POOLS_002

Bucks County

Completed.:

Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera.
Remedial efforts completed.

PULASKI_012

Philadelphia County

Completed.:

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera.

PULASKI_132

Philadelphia County

Completed.:

Complete corrective reliability work orders

Planned:

Complete corrective reliability work orders
Create breakdown between circuits
Inspect circuit visually and with thermographic camera.

RICHMOND_143

Philadelphia County

Completed.:

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera.

RUSHLAND_000

Bucks County

Completed.:

Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera.
Inspect selected areas of circuit for vegetation issues and correct as needed.

Planned:

Upgrade primary

SLATE_000

York County

Completed.:

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

Planned:

Inspect circuit visually and with thermographic camera.

SOMERSET_007

Philadelphia County

Completed.:

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera.

SPENCER_011

Philadelphia County

Completed.:

Complete corrective reliability work orders

Planned:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera.

STONY_001

Bucks County

Completed.:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera.

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

Remedial efforts completed.

TABOR_139

Philadelphia County

Completed.:

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera.

TANGUY_000

Delaware County

Completed.:

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

Planned:

Inspect circuit visually and with thermographic camera.

THORNDALE_003

Chester County

Completed.:

Inspect circuit visually and with thermographic camera.

Remedial efforts completed.

UPPER_MERION_132

Chester County

Completed.:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera.

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

Install animal protection

Install cut-out mounted recloser

Remedial efforts completed.

UPPER_PROVIDENCE_351

Montgomery County

Planned:

Inspect circuit visually and with thermographic camera.

UWCHLAN_004

Chester County

Completed.:

Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera.
Remedial efforts completed.

VAUGHN_002

Montgomery County

Completed.:

Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera.
Inspect selected areas of circuit for vegetation issues and correct as needed.
Upgrade secondary
Remedial efforts completed.

WAGONTOWN_000

Chester County

Planned:

Inspect circuit visually and with thermographic camera.
Upgrade primary

WARMINSTER_003

Bucks County

Completed.:

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera.

WASHINGTON_SQ_002

Montgomery County

Completed.:

Inspect circuit visually and with thermographic camera.
Install animal protection
Install tree resistant wire
Remedial efforts completed.

WASHINGTON_SQ_003

Montgomery County

Completed.:

Inspect circuit visually and with thermographic camera.
Remedial efforts completed.

WASHINGTON_SQ_005

Montgomery County

Completed.:

Circuit retired

WAYNE_146

Delaware County

Completed.:

Complete corrective reliability work orders
Install new fusing

Planned:

Inspect circuit visually and with thermographic camera.

WESTTOWN_000

Chester County

Planned:

Inspect circuit visually and with thermographic camera.
Upgrade primary

WEST_BUCK_002

Bucks County

Completed.:

Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera.
Inspect selected areas of circuit for vegetation issues and correct as needed.
Install new fusing
Remedial efforts completed.

WEST_GROVE_001

Chester County

Completed.:

Complete corrective reliability work orders
Upgrade transformer

Planned:

Inspect circuit visually and with thermographic camera.

WHITEMARSH_131

Montgomery County

Completed.:

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

Planned:

Inspect circuit visually and with thermographic camera.

WHITEMARSH_132

Montgomery County

Completed.:

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

Planned:

Inspect circuit visually and with thermographic camera.

WHITEMARSH_141

Montgomery County

Completed.:

Complete corrective reliability work orders
Install animal protection
Install cut-out mounted recloser
Install new fusing

Planned:

Inspect circuit visually and with thermographic camera.

WHITEMARSH_161

Montgomery County

Completed.:

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

Planned:

Inspect circuit visually and with thermographic camera.
Install new recloser

WINDRIM_001

Philadelphia County

Completed.:

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera.

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).