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AN EXELON COMPANY

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April 30, 2024

VIA E-Filing

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

Re: PECO 2024 First Quarter Reliability Report PUC Docket No. M-2023-3039027

Dear Secretary Chiavetta:

Enclosed is PECO's 2024 Quarterly Reliability Report for the period ending March 31, 2024, 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.

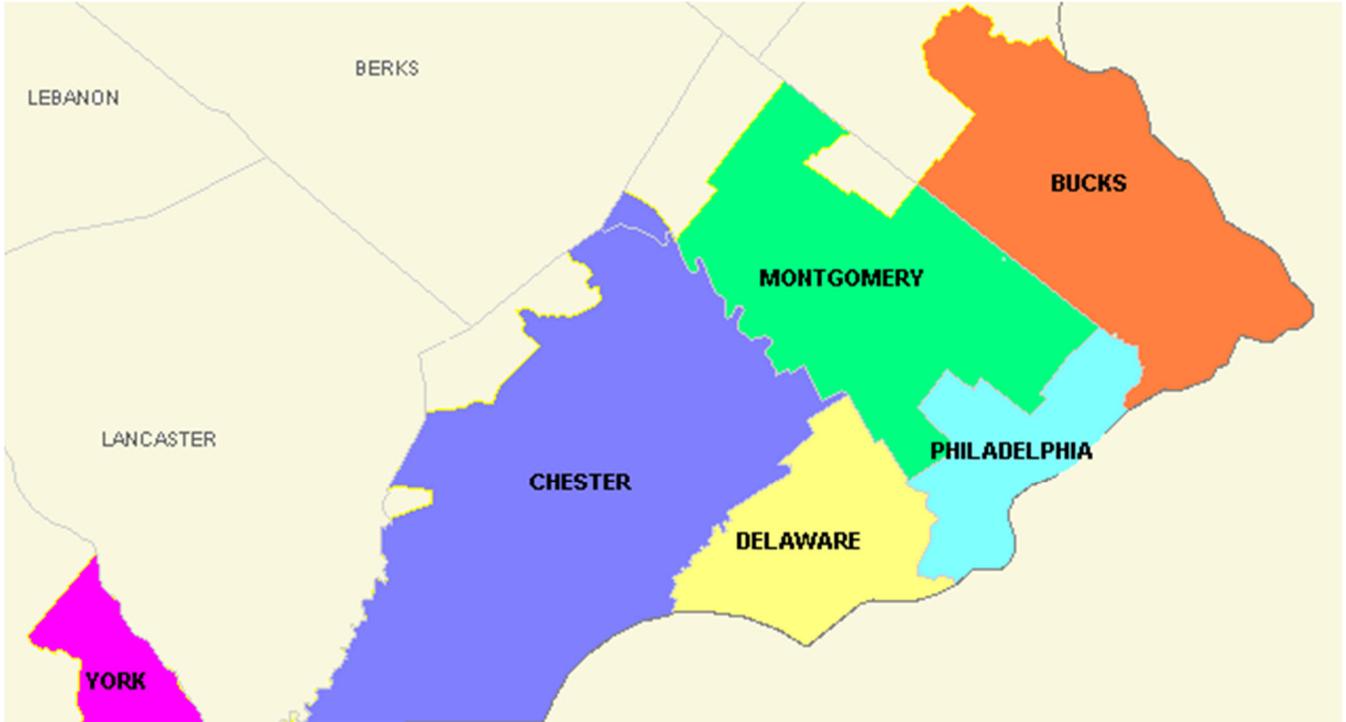
Thank you for your assistance in this matter and please direct any questions regarding the above to Megan McDevitt, Senior Manager, Retail Rates at 267-533-1942 or via email: megan.mcdevitt@exeloncorp.com.

Sincerely,

Enclosure

cc: Dan Searfoorce, Bureau of Technical Utility Services (via email only)
John Van Zant, Bureau of Technical Utility Services (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 March 31, 2024



April 30, 2024

PECO Energy (“PECO”)

Quarterly Reliability Report for the Period Ending March 31, 2024 filed with the Pennsylvania Public Utility Commission.

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

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

PECO experienced one major event in the first quarter of 2024. A severe storm caused downed trees and limbs on power lines and interrupted service to 194,662 customers. PECO employees supported emergency response efforts in conjunction with crews from PECO’s Exelon sister utility ComEd. Over 950 contractors assisted in PECO’s restoration efforts. PECO filed this event for exclusion for reliability reporting purposes on 2/9/2024.

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
1,683,805	1,318,089	3,087,631	1,390,610	185,257,836	0.78	141	110	0.83

Data reflects 12 months ending 03/31/2024.

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

SAIFI and SAIDI are below their Benchmarks and below their Standards. CAIDI is above its Benchmark and Standard. 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 March 31, 2024					
Cause	Service Outages	% of Service Outages	Customer Interruptions	% of Customer Interruptions	Customer Minutes
Animal	1,447	10.8%	34,191	2.6%	2,059,784
Contact/Dig-In	105	0.8%	6,083	0.5%	690,237
Equipment Failure	4,234	31.7%	398,223	30.2%	37,903,300
Lightning	411	3.1%	37,773	2.9%	4,654,217
Other	513	3.8%	47,972	3.6%	3,395,858
T&S	19	0.1%	30,893	2.3%	1,179,755
Unknown	717	5.4%	173,233	13.2%	33,576,862
Vegetation-Broken/Uprooted	4,964	37.2%	497,433	37.8%	90,866,162
Vegetation-Ingrowth	606	4.5%	38,359	2.9%	6,129,346
Vehicles	344	2.6%	53,006	4.0%	4,769,465

*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 (37.8% 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 3/31/2024					
	1 st Quarter Tasks		YTD Tasks		2024 Total Planned
	Planned	Complete	Planned	Complete	
Recloser Inspections (Number of reclosers inspected)	107	251	107	251	413
Circuit Patrol & Thermography (Number of circuits patrolled)	300	327	300	327	970
Pole Inspections (Number of poles visually inspected)	4,506	0	4,506	0	34,000
Padmount Transformers (Number of transformers visually inspected)	1,315	478	1,315	478	6,577
Below Ground Transformers (Number of transformers visually inspected)	314	289	314	289	1,173
Substations (Number of substations inspections performed (e.g. visual inspection, reading of currents, voltages, temperature etc.) for a variety of substation components)	332	346	332	346	1,330
Unit Substations (Number of unit substations inspections performed (e.g. visual inspection, reading of currents, voltages, temperature etc.) for a variety of substation components)	707	715	707	715	2,830

Vegetation Management Preventive Maintenance Program – status as of 3/31/2024					
	1 st Quarter Miles		YTD Miles		2024 Total Planned
	Planned	Complete	Planned	Complete	
Distribution Lift and Manual Trimming	742	846	742	846	2,967
Transmission Trimming and Removals	49	43	49	43	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 1 st Quarter	Actual 1 st Quarter	Budgeted Year-to-Date	Actual Year-to-Date
New Business Connections	\$0.9	\$0.6	\$0.9	\$0.6
Capacity Expansion	\$0.1	\$0.2	\$0.1	\$0.2
System Performance	\$23.0	\$19.8	\$23.0	\$19.8
Facility Relocation	\$0.0	\$0.1	\$0.0	\$0.1
Maintenance	\$51.8	\$55.2	\$51.8	\$55.2
Total	\$75.8	\$75.9	\$75.8	\$75.9

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 1 st Quarter	Actual 1 st Quarter	Budgeted Year-to-Date	Actual Year-to-Date
New Business Connections	\$38.1	\$29.3	\$38.1	\$29.3
Capacity Expansion	\$6.6	\$7.8	\$6.6	\$7.8
System Performance	\$156.8	\$142.2	\$156.8	\$142.2
Facility Relocation	\$6.6	\$6.1	\$6.6	\$6.1
Maintenance	\$42.2	\$49.1	\$42.2	\$49.1
Total	\$250.3	\$234.5	\$250.3	\$234.5

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 March 31, 2024 was as follows:

Aerial Lineman	439
Underground Lineman (Include UTS)	70
Transmission / Substation Mechanics, Operators	126
Energy Technicians	88
Aerial Foreman	78
Underground Foreman	18
Transmission / Substation Foreman	46
ET Foreman	8
Total	873

PECO has worked jointly with the other PA EDC's, the Energy Association of PA and PAPUC Staff to develop a consistent reporting methodology for this requirement

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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
BEIDLER_131	322	1.24	106	132	1.00	399	707	321
BELMONT_003	507	0.18	162	29	0.00	90	242	0
BRADFORD_344	2660	3.33	119	396	10.66	8854	17574	28347
BRYAN_001	405	5.00	243	1214	0.05	2026	8193	19
BRYAN_002	367	3.31	231	765	0.35	1216	4678	130
BUCKINGHAM_354	1785	1.16	97	112	2.34	2066	3346	4177
CLAY_342	1948	5.17	406	2100	3.17	10071	68189	6171
COOPER_371	439	3.83	381	1461	0.50	1683	10692	219
CORNOG_002	310	2.09	174	364	4.95	649	1883	1535
CURLY_000	459	2.38	56	134	1.03	1091	1025	473
DOWNINGTOWN_003	944	3.93	21	81	3.72	3710	1272	3515
EAGLE_341	1842	0.39	233	91	0.39	717	2786	718
EAGLE_353	2236	2.43	139	338	2.83	5437	12602	6326
ELLWOOD_001	804	3.04	36	111	0.00	2446	1482	0
EMILIE_131	401	0.03	478	14	0.00	12	96	0
EMILIE_132	1442	0.44	226	101	0.00	641	2418	0
EVANS_002	339	1.08	180	194	1.09	366	1098	370
FLINT_132	1267	1.49	112	168	1.16	1891	3537	1468
FLINT_144	840	1.93	227	440	3.67	1625	6156	3079
FOULK_131	1428	2.88	163	470	4.85	4109	11188	6922
FURNACE_000	474	3.53	480	1693	4.89	1673	13372	2318
GARRETT_006	864	1.07	135	145	0.00	925	2083	1
GERMANTOWN_022	574	0.60	144	87	0.00	347	834	0
GLADWYNE_001	181	5.25	161	843	8.32	950	2543	1506
GLADWYNE_132	510	4.78	128	611	11.68	2440	5192	5959
GOLF_002	289	1.26	194	245	1.49	364	1179	432
GOSHEN_351	2005	1.98	100	198	1.27	3979	6609	2541
GROVE_000	610	1.41	761	1072	1.23	859	10897	752
HAGYS_004	301	6.68	213	1421	1.98	2011	7129	595
HARMONY_003	454	1.28	199	255	2.13	582	1933	967
HEATON_147	1126	1.21	55	67	0.55	1362	1253	614
HUNTING_PARK_040	418	0.00	1544	7	0.00	2	51	0
KEMBLE_002	386	4.22	583	2460	1.84	1628	15829	709
KENNETT_SQUAR_005	301	5.79	81	471	2.15	1742	2361	647
KING_135	390	0.92	56	51	0.96	358	332	375
LAMOKIN_001	590	1.03	37	39	0.00	608	379	0
LANDENBERG_000	541	4.84	312	1511	2.58	2621	13621	1396
LENAPE_341	1120	0.45	130	59	0.53	506	1098	592
LEWIS_001	569	2.64	83	220	0.34	1504	2087	194
LINE_106_00	124	0.01	51	0	0.00	1	1	0

CIRCUIT	CUSTOMERS ON CIRCUIT	12 Month Rolling Circuit SAIFI	12 Month Rolling Circuit CAIDI	12 Month Rolling Circuit SAIDI	12 Month Rolling Circuit MAIFI	12 Month Rolling Customers Interrupted	12 Month Rolling Customer Hours	12 Month Rolling Momentary Customers Interrupted
LINE_1068	520	0.00	0	0	0.00	0	0	0
LINE_1073	10	1.90	158	301	1.70	19	50	17
LINE_132_00WO	594	0.00	522	2	0.98	2	17	580
LINE_189_00EM	981	1.20	105	127	0.32	1179	2073	316
LINE_1900BA	8	0.38	213	80	0.00	3	11	0
LINE_2200CR	747	2.40	285	683	1.50	1790	8505	1120
LINE_2278	69	0	0	0	0	0	0	0
LINE_2292	214	1.75	887	1554	0.07	375	5542	16
LINE_3300	657	0	0	0	0	0	0	0
LINE_3700EM	311	3.05	68	209	2.30	948	1081	714
LINE_4100PB	2330	2.01	124	249	0.65	4680	9687	1510
LINE_800CR	1789	2.74	164	450	3.08	4909	13424	5507
MARSHALLTON_001	492	3.80	133	504	4.34	1869	4136	2135
MARSHALLTON_002	404	3.61	110	396	3.91	1458	2664	1579
MEDIA_012	760	4.92	71	352	5.38	3737	4453	4088
MIDDLETOWN_142	1133	2.07	134	277	3.21	2341	5235	3633
MONTGOMERY_000	643	0.16	243	38	0.00	101	409	0
MORWOOD_000	675	2.90	159	461	4.86	1956	5182	3282
MOUNTAIN_000	278	2.00	114	229	0.00	557	1061	1
NEWLINVILLE_353	3051	2.40	90	216	8.13	7326	10972	24804
NEWLINVILLE_361	1026	2.67	323	862	5.36	2741	14744	5496
NORCO_001	422	3.74	65	242	3.19	1579	1703	1348
NORTH_WALES_346	1369	0.56	113	64	0.08	769	1451	104
PARRISH_138	8	0.38	55	21	0.25	3	3	2
PEACH_BOTTOM_361	206	3.77	1083	4079	2.29	776	14006	472
PENLLYN_002	245	1.04	8	8	1.93	254	32	472
PENTRIDGE_015	737	0.93	12	11	0.00	688	140	0
PENTRIDGE_017	893	1.03	328	339	0.56	923	5044	504
PERKIOMEN_341	1548	1.02	88	90	2.58	1586	2325	3987
PERKIOMEN_344	2133	0.27	42	11	1.33	581	403	2829
PERKIOMEN_361	3291	1.79	68	121	2.07	5880	6659	6823
PERKIOMEN_363	2490	1.48	96	142	0.41	3693	5888	1015
POINT_001	557	0.09	69	6	0.00	48	55	0
POPLAR_003	930	0.34	75	26	0.18	316	395	170
PORTERS_MILL_002	258	4.05	174	703	2.14	1046	3025	552
RAHNS_000	634	0.03	314	10	0.03	20	105	20
SADSBURY_000	614	1.50	122	183	4.30	918	1872	2641
SCHWENKSVILLE_001	532	4.84	158	762	3.02	2574	6757	1606
SCHWENKSVILLE_002	660	1.56	94	147	2.80	1030	1617	1849
SOLEBURY_001	473	3.69	103	379	1.21	1745	2986	571
SOLEBURY_002	276	2.24	89	199	2.43	617	913	672

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_002	201	0.41	101	41	0.04	82	139	8
STREET_000	317	2.58	134	346	6.91	818	1828	2191
THORNDALE_002	468	0.28	65	18	2.80	129	139	1310
TREDYFFRIN_132	620	0.99	211	209	0.10	616	2161	60
TUNA_132	720	0.73	271	199	0.44	528	2386	315
TUNA_133	1702	0.26	25	7	0.02	449	184	30
TUNA_143	376	2.04	97	198	2.87	766	1242	1080
TUNA_146	1591	0.47	40	19	0.49	748	494	777
TUNNEL_137	6	0	0	0	0	0	0	0
UNIVERSITY_012	17	0.00	0	0	0.00	0	0	0
UPPER_DARBY_134	2035	1.21	319	387	2.02	2466	13116	4101
UPPER_DARBY_135	2194	0.27	94	25	0.47	596	930	1036
UPPER_MERION_144	911	0.30	115	34	0.00	270	517	0
UPPER_PROVIDENCE_343	1506	1.53	110	169	0.82	2302	4232	1230
UPPER_PROVIDENCE_344	1534	0.42	77	32	0.77	637	814	1179
WANEETA_133	1680	0.08	322	26	0.53	137	735	891
WARRINGTON_341	2360	0.35	100	35	0.37	816	1361	864
WARRINGTON_364	1758	1.04	67	69	4.15	1831	2035	7294
WAVERLY_136	23	0.00	0	0	0.00	0	0	0
WAYNE_134	550	1.17	246	288	1.78	645	2641	977
WAYNE_143	701	2.37	116	274	6.28	1658	3203	4404
WENTZ_000	318	1.03	63	65	1.32	327	345	420
WEST_OAK_LANE_005	769	0	0	0	0	0	0	0
WHITAKER_000	178	0	0	0	0.01	0	0	1
WHITEMARSH_133	1694	1.05	123	128	1.84	1771	3623	3111
WHITEMARSH_142	1019	0.00	0	0	0.00	0	0	1
WHITEMARSH_144	769	1.91	66	126	1.59	1468	1614	1219
WHITEMARSH_163	332	1.06	116	123	1.68	353	683	557
WHITEMARSH_164	1133	1.13	202	228	0.55	1276	4300	625
WILLOWDALE_001	319	0.35	714	251	0.05	112	1333	16
WISTER_010	152	1.18	63	74	0.79	179	187	120
WOODBOURNE_341	4769	1.26	60	76	3.07	6026	6027	14638
WOODBOURNE_352	1521	0.17	197	34	0.00	261	856	2

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 03/31/2024

BEIDLER_131

Montgomery County

Completed:

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

BELMONT_003

Montgomery County

Completed:

- Inspect selected areas of circuit for vegetation issues and correct as needed
- Upgrade secondary
- Complete circuit analysis

Planned:

- Inspect circuit visually and with thermographic camera

BRADFORD_344

Chester County

Completed:

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

Planned:

- Inspect circuit visually and with thermographic camera

BRYAN_001

York County

Completed:

- Upgrade fusing
- Complete circuit analysis

Planned:

- Inspect circuit visually and with thermographic camera

BRYAN_002

York County

Completed:

- Complete circuit analysis

Planned:

- Inspect circuit visually and with thermographic camera
- Upgrade primary

BUCKINGHAM_354

Bucks County

Completed:

- Complete corrective reliability work orders
- Upgrade secondary
- Complete circuit analysis

Planned:

- Inspect circuit visually and with thermographic camera

CLAY_342

Chester County

Completed:

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

Planned:

- Complete corrective reliability work orders
- Inspect circuit visually and with thermographic camera
- Upgrade fusing

COOPER_371

York County

Completed:

- Complete circuit analysis

Planned:

- Inspect circuit visually and with thermographic camera
- Upgrade primary

CORNOG_002

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 new fusing
- Complete circuit analysis
- Remedial efforts completed

CURLY_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
- Complete circuit analysis
- Remedial efforts completed

DOWNINGTOWN_003

Chester County

Completed:

- Complete circuit analysis

Planned:

- Inspect circuit visually and with thermographic camera

EAGLE_341

Chester County

Completed:

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

EAGLE_353

Chester County

Completed:

- Complete corrective reliability work orders
- Upgrade insulators

Complete circuit analysis

Planned:

Inspect circuit visually and with thermographic camera
Install tree resistant wire

ELLWOOD_001

Bucks County

Completed:

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

Planned:

Inspect circuit visually and with thermographic camera

EMILIE_131

Bucks County

Completed:

Complete corrective reliability work orders
Complete circuit analysis

Planned:

Inspect circuit visually and with thermographic camera

EMILIE_132

Bucks County

Completed:

Complete corrective reliability work orders
Upgrade secondary
Complete circuit analysis

Planned:

Inspect circuit visually and with thermographic camera

EVANS_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
Complete circuit analysis
Remedial efforts completed

FLINT_132

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
Install new fusing
Complete circuit analysis

Planned:

Complete corrective reliability work orders

FLINT_144

Delaware County

Completed:

Complete corrective reliability work orders
Complete circuit analysis

Planned:

Inspect circuit visually and with thermographic camera

FOULK_131*Delaware County***Completed:**

- Complete corrective reliability work orders
- Upgrade secondary
- Complete circuit analysis

Planned:

- Inspect circuit visually and with thermographic camera
- Upgrade primary

FURNACE_000*York County***Completed:**

- Complete corrective reliability work orders
- Upgrade secondary
- Complete circuit analysis

Planned:

- Inspect circuit visually and with thermographic camera
- Inspect selected areas of circuit for vegetation issues and correct as needed
- Upgrade primary

GARRETT_006*Delaware County***Completed:**

- Inspect circuit visually and with thermographic camera
- Inspect selected areas of circuit for vegetation issues and correct as needed
- Complete circuit analysis
- Remedial efforts completed

GERMANTOWN_022*Philadelphia County***Completed:**

- Inspect circuit visually and with thermographic camera
- Complete circuit analysis
- Remedial efforts completed

GLADWYNE_001*Delaware County***Completed:**

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

Planned:

- Inspect circuit visually and with thermographic camera

GLADWYNE_132*Delaware County***Completed:**

- Upgrade insulators
- Complete circuit analysis

Planned:

- Inspect circuit visually and with thermographic camera
- Upgrade primary

GOLF_002*Chester County*

Completed:

Complete circuit analysis

Planned:

Inspect circuit visually and with thermographic camera

Upgrade primary

GOSHEN_351

Chester County

Completed:

Complete circuit analysis

Planned:

Inspect circuit visually and with thermographic camera

GROVE_000

Chester County

Completed:

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

Complete circuit analysis

Planned:

Inspect circuit visually and with thermographic camera

HAGYS_004

Delaware County

Completed:

Complete corrective reliability work orders

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

Complete circuit analysis

Planned:

Inspect circuit visually and with thermographic camera

Upgrade primary

HARMONY_003

Chester County

Completed:

Complete corrective reliability work orders

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

Complete circuit analysis

Planned:

Inspect circuit visually and with thermographic camera

HEATON_147

Montgomery County

Completed:

Complete corrective reliability work orders

Install new fusing

Complete circuit analysis

Planned:

Inspect circuit visually and with thermographic camera

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

Install new fusing

HUNTING_PARK_040

Philadelphia County

Completed:

Complete circuit analysis

Planned:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

KEMBLE_002

Chester County

Completed:

Complete circuit analysis

Planned:

Inspect circuit visually and with thermographic camera

Upgrade primary

KENNETT_SQUAR_005

Chester County

Completed:

Complete circuit analysis

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

KING_135

Montgomery County

Completed:

Complete circuit analysis

Planned:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

LAMOKIN_001

Delaware County

Completed:

Complete circuit analysis

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera

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

LANDENBERG_000

Chester County

Completed:

Complete circuit analysis

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_341

Chester County

Completed:

Complete circuit analysis

Planned:

Inspect circuit visually and with thermographic camera

LEWIS_001

Montgomery County

Completed:

Complete circuit analysis

Planned:

Inspect circuit visually and with thermographic camera
Install tree resistant wire

LINE_1068

Philadelphia County

Completed:

Complete circuit analysis

Planned:

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

LINE_106_00

Bucks County

Completed:

Complete circuit analysis

Planned:

Inspect circuit visually and with thermographic camera

LINE_1073

Philadelphia County

Completed:

Complete circuit analysis

Planned:

Inspect circuit visually and with thermographic camera

LINE_132_00WO

Bucks County

Completed:

Complete circuit analysis

Planned:

Inspect circuit visually and with thermographic camera

LINE_189_00EM

Bucks County

Completed:

Complete circuit analysis
Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera

LINE_1900BA

Montgomery County

Completed:

Complete circuit analysis
Complete corrective reliability work orders
Install animal protection

Planned:

Inspect circuit visually and with thermographic camera

LINE_2200CR

Chester County

Completed:

Complete circuit analysis

Planned:

Inspect circuit visually and with thermographic camera

LINE_2278

Philadelphia County

Completed:

- Complete corrective reliability work orders
- Complete circuit analysis
- Remedial efforts completed

LINE_2292

Philadelphia County

Completed:

- Complete circuit analysis
- Remedial efforts completed

LINE_3300

Bucks County

Completed:

- Complete circuit analysis
- Complete corrective reliability work orders

Planned:

- Inspect circuit visually and with thermographic camera

LINE_3700EM

Bucks County

Completed:

- Complete circuit analysis

Planned:

- Inspect circuit visually and with thermographic camera

LINE_4100PB

Chester County

Completed:

- Complete circuit analysis

Planned:

- Inspect circuit visually and with thermographic camera

LINE_800CR

Chester County

Completed:

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

Planned:

- Inspect circuit visually and with thermographic camera

MARSHALLTON_001

Chester County

Completed:

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

Planned:

- Inspect circuit visually and with thermographic camera

MARSHALLTON_002

Chester County

Completed:

- Complete circuit analysis

Planned:

Inspect circuit visually and with thermographic camera
Inspect selected areas of circuit for vegetation issues and correct as needed

MEDIA_012

Delaware County

Completed:

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

Planned:

Inspect circuit visually and with thermographic camera

MIDDLETOWN_142

Delaware County

Completed:

Complete circuit analysis

Planned:

Inspect circuit visually and with thermographic camera
Upgrade secondary

MONTGOMERY_000

Bucks County

Completed:

Complete circuit analysis
Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera

MORWOOD_000

Montgomery County

Completed:

Complete circuit analysis

Planned:

Inspect circuit visually and with thermographic camera

MOUNTAIN_000

Bucks County

Completed:

Complete circuit analysis
Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera

NEWLINVILLE_353

Chester County

Completed:

Complete circuit analysis
Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera

NEWLINVILLE_361

Chester County

Completed:

Complete circuit analysis
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

NORCO_001

Chester County

Completed:

- Complete circuit analysis
- Complete corrective reliability work orders

Planned:

- Inspect circuit visually and with thermographic camera
- Upgrade primary

NORTH_WALES_346

Montgomery County

Completed:

- Complete circuit analysis
- Inspect circuit visually and with thermographic camera
- Remedial efforts completed

PARRISH_138

Philadelphia County

Completed:

- Complete corrective reliability work orders
- Complete circuit analysis

Planned:

- Complete corrective reliability work orders

PEACH_BOTTOM_361

York County

Completed:

- Complete circuit analysis
- Complete corrective reliability work orders
- Upgrade fusing

Planned:

- Inspect circuit visually and with thermographic camera

PENLLYN_002

Montgomery County

Completed:

- Complete circuit analysis

Planned:

- Inspect circuit visually and with thermographic camera

PENTRIDGE_015

Philadelphia County

Completed:

- Complete circuit analysis
- Complete corrective reliability work orders

Planned:

- Inspect circuit visually and with thermographic camera

PENTRIDGE_017

Philadelphia County

Completed:

- Complete circuit analysis
- Complete corrective reliability work orders

Planned:

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

PERKIOMEN_341

Montgomery County

Completed:

Complete circuit analysis
Complete corrective reliability work orders
Upgrade primary

Planned:

Inspect circuit visually and with thermographic camera

PERKIOMEN_344

Montgomery County

Completed:

Complete circuit analysis
Upgrade fusing

Planned:

Inspect circuit visually and with thermographic camera

PERKIOMEN_361

Montgomery County

Completed:

Complete circuit analysis
Complete corrective reliability work orders
Upgrade secondary

Planned:

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

PERKIOMEN_363

Montgomery County

Completed:

Complete circuit analysis
Inspect circuit visually and with thermographic camera

POINT_001

Montgomery County

Completed:

Complete circuit analysis

Planned:

Inspect circuit visually and with thermographic camera

POPLAR_003

Montgomery County

Completed:

Complete circuit analysis

Planned:

Inspect circuit visually and with thermographic camera

PORTERS_MILL_002

Chester County

Completed:

Complete circuit analysis
Complete corrective reliability work orders
Upgrade fusing

Planned:

Inspect circuit visually and with thermographic camera
Inspect selected areas of circuit for vegetation issues and correct as needed
Upgrade primary

RAHNS_000

Montgomery County

Completed:

Complete circuit analysis
Complete corrective reliability work orders

Planned:

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

SADSBURY_000

Chester County

Completed:

Complete circuit analysis

Planned:

Inspect circuit visually and with thermographic camera
Upgrade primary

SCHWENKSVILLE_001

Montgomery County

Completed:

Complete circuit analysis
Install new FCI'S

Planned:

Inspect circuit visually and with thermographic camera

SCHWENKSVILLE_002

Montgomery County

Completed:

Complete circuit analysis
Complete corrective reliability work orders
Upgrade insulators

Planned:

Inspect circuit visually and with thermographic camera
Inspect selected areas of circuit for vegetation issues and correct as needed

SOLEBURY_001

Bucks County

Completed:

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

Planned:

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

SOLEBURY_002

Bucks County

Completed:

Complete circuit analysis
Complete corrective reliability work orders
Upgrade transformer

Planned:

Inspect circuit visually and with thermographic camera

STONY_002

Bucks County

Completed:

Complete circuit analysis
Complete corrective reliability work orders
Upgrade transformer

Planned:

Inspect circuit visually and with thermographic camera

STREET_000

Chester County

Completed:

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

Planned:

Inspect circuit visually and with thermographic camera
Upgrade primary

THORNDALE_002

Chester County

Completed:

Complete circuit analysis
Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera

TREDYFFRIN_132

Chester County

Completed:

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

Planned:

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

TUNA_132

Philadelphia County

Completed:

Complete circuit analysis

Planned:

Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera
Install new recloser

TUNA_133

Philadelphia County

Completed:

Complete circuit analysis

Planned:

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

TUNA_143

Philadelphia County

Completed:

Complete circuit analysis

Planned:

Inspect circuit visually and with thermographic camera

TUNA_146

Philadelphia County

Completed:

Complete circuit analysis

Complete corrective reliability work orders

Planned:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

Upgrade primary

Upgrade transformer

TUNNEL_137

Philadelphia County

Completed:

Complete circuit analysis

Planned:

Inspect circuit visually and with thermographic camera

UNIVERSITY_012

Philadelphia County

Completed:

Complete circuit analysis

Planned:

Upgrade primary

UPPER_DARBY_134

Delaware County

Completed:

Complete circuit analysis

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera

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

Upgrade primary

UPPER_DARBY_135

Delaware County

Completed:

Complete circuit analysis

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera

UPPER_MERION_144

Chester County

Completed:

Complete circuit analysis

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera

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

Install cut-out mounted recloser

UPPER_PROVIDENCE_343*Montgomery County***Completed:**

- Complete circuit analysis
- Complete corrective reliability work orders

Planned:

- Inspect circuit visually and with thermographic camera

UPPER_PROVIDENCE_344*Montgomery County***Completed:**

- Complete circuit analysis
- Complete corrective reliability work orders
- Upgrade transformer

Planned:

- Inspect circuit visually and with thermographic camera

WANEETA_133*Philadelphia County***Completed:**

- Complete circuit analysis

Planned:

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

WARRINGTON_341*Bucks County***Completed:**

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

Planned:

- Inspect circuit visually and with thermographic camera

WARRINGTON_364*Bucks County***Completed:**

- Complete circuit analysis
- Install new fusing
- Upgrade secondary

Planned:

- Inspect circuit visually and with thermographic camera
- Inspect selected areas of circuit for vegetation issues and correct as needed

WAVERLY_136*Philadelphia County***Completed:**

- Complete circuit analysis
- Remedial efforts completed

WAYNE_134*Delaware County***Completed:**

- Complete circuit analysis

Planned:

- Inspect circuit visually and with thermographic camera
- Install new fusing
- Upgrade primary

Upgrade secondary

WAYNE_143

Delaware County

Completed:

Complete circuit analysis

Planned:

Inspect circuit visually and with thermographic camera
Install tree resistant wire

WENTZ_000

Montgomery County

Completed:

Complete circuit analysis
Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera

WEST_OAK_LANE_005

Philadelphia County

Completed:

Complete circuit analysis

Planned:

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

WHITAKER_000

Philadelphia County

Completed:

Complete circuit analysis

Planned:

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

WHITEMARSH_133

Montgomery County

Completed:

Complete circuit analysis
Complete corrective reliability work orders
Install new fusing
Upgrade fusing
Upgrade secondary

Planned:

Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera
Install new fusing
Upgrade fusing

WHITEMARSH_142

Montgomery County

Completed:

Complete circuit analysis
Complete corrective reliability work orders
Install new fusing

Planned:

Inspect circuit visually and with thermographic camera

WHITEMARSH_144*Montgomery County***Completed:**

Complete circuit analysis

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

Planned:

Inspect circuit visually and with thermographic camera

WHITEMARSH_163*Montgomery County***Completed:**

Complete circuit analysis

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera

WHITEMARSH_164*Montgomery County***Completed:**

Complete circuit analysis

Complete corrective reliability work orders

Install new fusing

Upgrade secondary

Planned:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

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

WILLOWDALE_001*Chester County***Completed:**

Complete circuit analysis

Planned:

Inspect circuit visually and with thermographic camera

Upgrade secondary

WISTER_010*Philadelphia County***Completed:**

Complete circuit analysis

Remedial efforts completed

WOODBOURNE_341*Bucks County***Completed:**

Complete circuit analysis

Complete corrective reliability work orders

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

Install new recloser

Planned:

Inspect circuit visually and with thermographic camera

WOODBOURNE_352*Bucks County***Completed:**

Complete circuit analysis

Complete corrective reliability work orders

Planned:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

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

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).