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AN EXELON COMPANY

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PECO
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November 1, 2023

VIA E-FILING

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

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

Dear Secretary Chiavetta:

Enclosed is PECO's 2023 Quarterly Reliability Report for the period ending September 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.

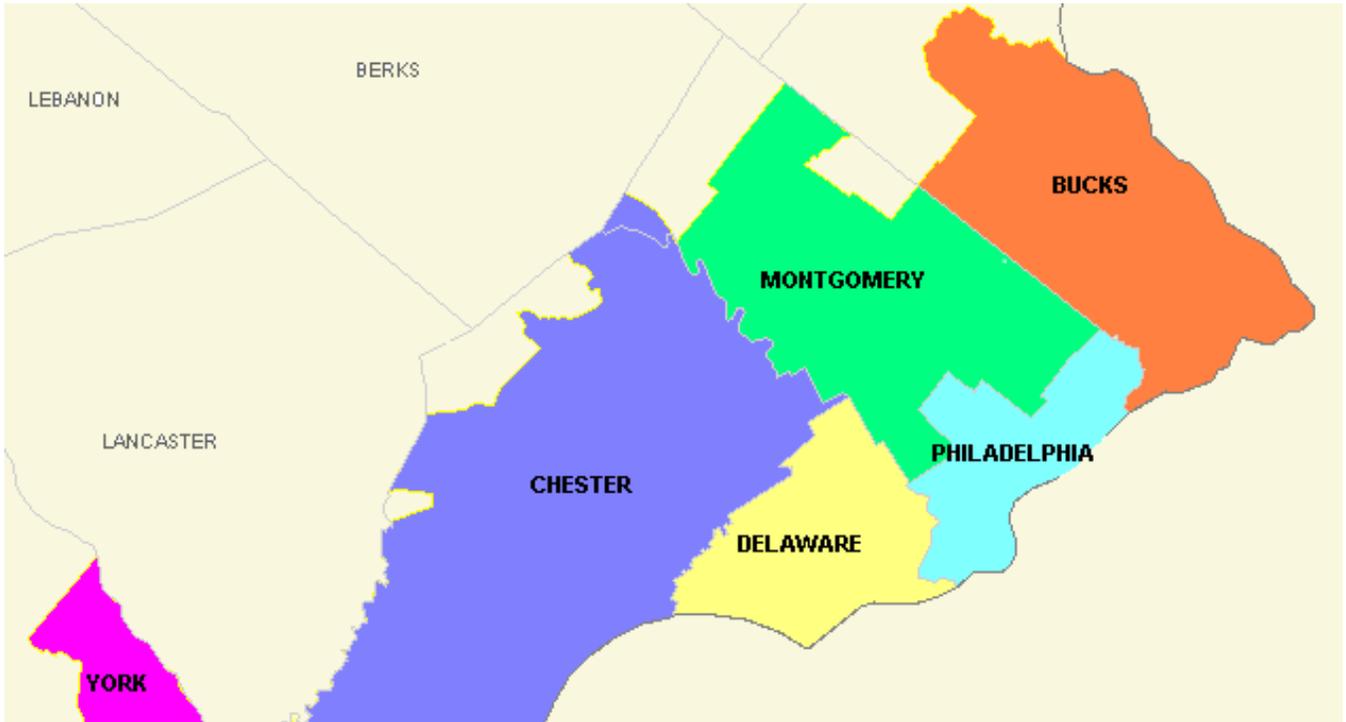
Thank you for your assistance in this matter and please direct any questions regarding the above to Megan McDevitt, Manager, Retail Rates at 267-533-1942 or via email: megan.mcdevitt@exeloncorp.com.

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 September 30, 2023



November 1, 2023

PECO Energy (“PECO”)

Quarterly Reliability Report for the Period Ending September 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 third 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
1,686,515	1,368,296	3,157,377	1,457,930	189,442,624	0.81	138	112	0.86

Data reflects 12 months ending 09/30/2023.

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 and SAIDI are below their Benchmarks and 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 September 30, 2023					
Cause	Service Outages	% of Service Outages	Customer Interruptions	% of Customer Interruptions	Customer Minutes
Animal	1,277	9.6%	32,788	2.4%	1,919,411
Contact/Dig-In	115	0.9%	10,847	0.8%	723,179
Equipment Failure	4,170	31.5%	406,927	29.7%	37,270,185
Lightning	425	3.2%	41,518	3.0%	5,216,573
Other	558	4.2%	72,564	5.3%	4,463,425
T&S	11	0.1%	32,208	2.4%	833,507
Unknown	830	6.3%	182,769	13.3%	34,161,718
Vegetation-Broken/Uprooted	4,889	36.9%	508,815	37.2%	94,266,718
Vegetation-Ingrowth	603	4.6%	38,885	2.8%	7,268,635
Vehicles	363	2.7%	42,128	3.1%	3,407,632

*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 (37.2% of all customer interruptions), as opposed to ingrowth (2.8% 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 9/30/2023					
	3 rd Quarter Tasks		YTD Tasks		2023 Total Planned
	Planned	Complete	Planned	Complete	
Recloser Inspections (Number of reclosers inspected)	97	181	385	786	460
Circuit Patrol & Thermography (Number of circuits patrolled)	352	227	969	976	969
Pole Inspections (Number of poles visually inspected)	12,607	11,637	29,821	30,118	34,000
Padmount Transformers (Number of transformers visually inspected)	2,076	1,367	5,542	5,872	6,666
Below Ground Transformers (Number of transformers visually inspected)	329	149	998	916	1,234
Substations (Number of substations inspections performed (e.g. visual inspection, reading of currents, voltages, temperature etc.) for a variety of substation components)	343	344	1,030	1,038	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)	695	744	2,087	2,244	2,780

Vegetation Management Preventive Maintenance Program – status as of 9/30/2023					
	3 rd Quarter Miles		YTD Miles		2023 Total Planned
	Planned	Complete	Planned	Complete	
Distribution Lift and Manual Trimming	706	805	2,118	2,575	2,824
Transmission Trimming and Removals	51	50	154	152	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 3 rd Quarter	Actual 3 rd Quarter	Budgeted Year-to-Date	Actual Year-to-Date
New Business Connections	\$0.8	\$0.7	\$2.7	\$2.8
Capacity Expansion	\$0.1	\$0.4	\$0.3	\$0.7
System Performance	\$22.1	\$17.9	\$61.7	\$57.2
Facility Relocation	\$0.4	\$0.2	\$0.8	\$0.6
Maintenance	\$55.1	\$57.2	\$158.4	\$172.1
Total	\$78.5	\$76.4	\$223.9	\$233.4

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	\$20.7	\$24.1	\$52.5	\$72.3
Capacity Expansion	\$14.7	\$4.5	\$34.0	\$15.2
System Performance	\$159.0	\$135.7	\$407.1	\$466.3
Facility Relocation	\$3.4	\$5.7	\$11.5	\$16.7
Maintenance	\$35.4	\$40.6	\$103.7	\$121.4
Total	\$233.2	\$210.7	\$608.8	\$691.9

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

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

Aerial Lineman	451
Underground Lineman (Include UTS)	70
Transmission / Substation Mechanics, Operators	103
Energy Technicians	91
Aerial Foreman	80
Underground Foreman	18
Transmission / Substation Foreman	47
ET Foreman	7
Total	867

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.

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	2.02	121	244	0.00	873	1757	0
AIRY_004	660	1.97	54	107	0.00	1301	1176	3
AQUE_000	233	5.86	203	1191	0.37	1365	4623	86
BACTON_000	237	6.73	198	1335	3.05	1596	5272	723
BLUE_GRASS_131	1740	0.68	78	53	1.81	1185	1541	3147
BLUE_GRASS_142	1502	1.52	33	50	0.55	2277	1252	828
BRADFORD_341	1306	3.37	79	268	4.12	4399	5824	5382
BRADFORD_342	2331	1.17	284	333	1.02	2738	12945	2386
BRYN_MAWR_131	890	1.48	54	80	2.07	1321	1192	1841
BUCK_000	370	5.00	388	1940	0.20	1851	11963	75
BUCKINGHAM_342	3119	2.30	68	155	1.38	7169	8074	4294
BUCKINGHAM_352	2718	0.50	55	27	1.46	1346	1239	3962
BUCKINGHAM_372	1120	1.07	307	330	1.65	1203	6160	1852
BURHOLME_134	483	1.99	322	640	0.65	960	5152	314
BYBERRY_136	839	0.48	105	50	0.67	402	704	564
CEDARBROOK_131	1019	1.00	354	353	0.12	1018	6000	125
CHANDLER_000	405	3.04	619	1881	5.16	1231	12694	2091
CONCORD_351	2297	4.09	195	797	6.40	9404	30524	14705
COUNTY_LINE_003	534	0.01	55	0	0.00	3	3	0
CRUSHER_000	749	2.04	144	294	3.68	1530	3669	2759
DILTOWN_005	337	1.36	63	85	1.10	457	480	371
DOWNINGTOWN_004	696	3.61	151	546	3.22	2516	6328	2243
DOWNINGTOWN_005	752	2.14	72	154	2.89	1612	1927	2172
DURHAM_003	562	0.09	249	23	0.00	51	212	0
DUTTON_002	307	2.22	239	531	0.96	681	2718	294
EAGLE_342	3053	1.54	201	309	3.32	4701	15724	10144
FOX_CHASE_138	888	0.07	58	4	0.00	60	58	0
FOX_CHASE_141	1538	0.26	263	67	0.78	393	1723	1206
GARRETT_006	875	2.01	99	200	0.00	1763	2914	1
GERMANTOWN_023	684	0.08	797	65	0.00	56	744	0
GOSHEN_352	3367	3.07	185	566	1.75	10320	31740	5904
HARTSVILLE_003	733	0.11	52	6	0.00	79	68	0
HAYES_000	370	4.08	227	924	2.07	1508	5699	765
HEATON_169	1471	0.20	181	37	0.69	297	898	1020
JARRETT_133	1293	0.65	140	90	0.77	834	1942	997
JARRETT_142	917	1.01	66	66	0.35	924	1012	319
JARRETT_144	1223	0.76	80	61	0.78	926	1236	953
JENKINTOWN_131	1255	0.68	67	46	0.99	857	954	1239
JENKINTOWN_133	1238	0.91	163	148	0.12	1124	3050	144

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
JENKINTOWN_139	966	1.39	189	264	1.22	1347	4252	1175
KENNETT_SQUAR_006	434	1.00	52	52	2.59	432	374	1124
KEYS_001	574	0.03	106	3	3.00	15	27	1722
KIMBERTON_001	704	0.36	662	238	4.99	253	2792	3511
LANE_001	376	2.67	229	612	4.20	1005	3834	1578
LANE_002	750	2.16	226	489	2.05	1623	6112	1541
LENAPE_342	2000	1.55	303	470	2.48	3101	15667	4967
LENAPE_343	1994	3.84	62	237	4.84	7647	7887	9655
LENAPE_351	1803	1.37	1157	1587	1.06	2472	47688	1915
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	2552	2.56	121	309	2.63	6526	13157	6714
LINE_2100CR	1638	2.08	54	111	3.25	3403	3035	5325
LINE_2675	622	1.10	45	50	0.00	684	515	1
LINE_3344	612	1.22	138	169	0.24	749	1722	146
LINE_6000	14	0.93	603	560	2.71	13	131	38
LINE_9600	453	3.99	125	500	0.01	1809	3778	3
LINFIELD_000	702	5.86	63	370	3.30	4116	4333	2318
LINTON_341	2716	0.82	250	205	1.44	2228	9283	3923
LLANERCH_147	2307	0.70	52	36	3.02	1605	1392	6967
LLANERCH_161	1197	0.77	212	163	0.61	916	3244	730
LOGAN_002	828	0.41	38	15	0.01	340	213	5
LOGAN_006	867	0	0	0	0	0	0	0
LUZERNE_004	857	1.00	32	32	0.04	856	461	38
LYNDELL_000	137	5.87	188	1102	6.47	804	2515	886
MAIN_000	97	0	0	0	0	0	0	0
MANOR_001	204	3.99	267	1064	7.97	814	3617	1626
MAPLE_HILL_000	627	3.22	345	1109	1.26	2018	11589	793
MASTER_142	816	0.14	39	5	0.00	113	73	3
MATSON_131	759	1.45	233	338	9.57	1102	4271	7263
MIDDLETOWN_349	2119	3.57	177	634	6.29	7574	22374	13327
MIDDLETOWN_352	1849	2.07	246	509	0.49	3819	15681	897
MONROE_006	363	1.87	158	296	1.53	679	1791	554
MOON_003	593	0.49	289	141	0.16	290	1395	95
NESHAMINY_141	1219	1.09	22	23	0.26	1326	477	314
NEWLINVILLE_342	1945	2.44	81	197	2.97	4737	6388	5767
NEWLINVILLE_351	1552	1.51	125	189	0.51	2348	4894	794
NEWLINVILLE_352	2400	1.95	91	178	5.80	4682	7122	13921
NEWLINVILLE_362	2749	1.99	241	480	5.84	5470	22013	16066
NORTH_WALES_344	1449	0.11	114	12	0.98	156	297	1427
OLIVE_001	902	2.44	128	313	0.02	2198	4704	22

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
PAOLI_002	291	2.15	149	321	1.20	627	1556	349
PENLLYN_004	463	2.03	75	152	0.00	941	1176	0
PLYMOUTH_161	305	2.19	74	161	0.03	667	821	10
POOLS_001	620	1.47	61	89	0.02	909	920	15
POOLS_002	476	0.67	34	23	1.78	317	181	848
PULASKI_012	269	0.01	429	5	0.00	3	21	0
PULASKI_132	3716	0.30	111	33	0.01	1109	2051	51
RICHMOND_143	2168	1.06	10	11	0.36	2305	401	782
RUSHLAND_000	387	4.26	153	650	0.31	1647	4189	121
SLATE_000	142	4.56	236	1074	2.04	647	2541	290
SOMERSET_007	689	0.06	21	1	0.00	40	14	0
SPENCER_011	358	0	0	0	0	0	0	0
STONY_001	398	1.63	145	236	1.03	648	1565	409
TABOR_139	1707	0.52	38	20	1.46	887	560	2499
TANGUY_000	189	7.56	243	1838	4.13	1429	5791	781
THORNDALE_003	133	1.93	103	200	0.62	257	442	82
UPPER_MERION_132	1127	0.87	119	104	0.61	980	1947	691
UPPER_PROVIDENCE_351	2766	0.08	375	29	0.51	213	1333	1421
UWCHLAN_004	535	3.08	276	852	4.33	1648	7594	2316
VAUGHN_002	621	0.05	39	2	0.21	34	22	128
WAGONTOWN_000	528	6.32	141	892	7.04	3336	7849	3719
WARMINSTER_003	134	0.00	0	0	0.51	0	0	69
WASHINGTON_SQ_002	387	0.11	215	23	0.00	42	150	0
WASHINGTON_SQ_003	367	0.05	132	6	0.00	17	37	0
WASHINGTON_SQ_005	Retired	Retired	Retired	Retired	Retired	Retired	Retired	Retired
WAYNE_146	556	0.86	274	236	1.84	479	2187	1025
WEST_BUCK_002	441	1.62	58	94	0.08	714	692	37
WEST_GROVE_001	507	4.02	155	624	0.94	2038	5273	479
WESTTOWN_000	243	4.80	151	725	4.38	1166	2938	1064
WHITEMARSH_131	463	1.05	54	57	0.00	485	438	2
WHITEMARSH_132	1826	0.05	136	6	0.02	87	197	37
WHITEMARSH_141	1134	1.95	101	196	4.02	2214	3709	4559
WHITEMARSH_161	1317	0.32	56	18	0.16	426	398	211
WINDRIM_001	620	0.05	32	1	1.70	28	15	1053

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 09/30/2023

ABINGTON_005

Montgomery County

Completed:

- Inspect circuit visually and with thermographic camera
- Upgrade secondary
- Remedial efforts completed

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

BRADFORD_342

Chester County

Completed:

- Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera
Remedial efforts completed

BRYN_MAWR_131

Delaware County

Completed:

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

Planned:

Install new recloser

BUCKINGHAM_342

Bucks County

Completed:

Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera
Install tree resistant wire
Remedial efforts completed

BUCKINGHAM_352

Bucks County

Completed:

Inspect circuit visually and with thermographic camera
Remedial efforts completed

BUCKINGHAM_372

Bucks County

Completed:

Inspect circuit visually and with thermographic camera
Remedial efforts completed

BUCK_000

Chester 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

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

Inspect circuit visually and with thermographic camera
Remedial efforts completed

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

COUNTY_LINE_003

Bucks County

Completed:

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

CRUSHER_000

Montgomery County

Completed:

Inspect circuit visually and with thermographic camera
Remedial efforts completed

DILTOWN_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
Upgrade primary
Remedial efforts completed

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 circuit visually and with thermographic camera
Inspect selected areas of circuit for vegetation issues and correct as needed
Upgrade transformer
Remedial efforts completed

DUTTON_002*Delaware County***Completed:**

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

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
Inspect circuit visually and with thermographic camera
Remedial efforts completed

GOSHEN_352*Chester County***Completed:**

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

Remedial efforts completed

HARTSVILLE_003

Bucks County

Completed:

Inspect circuit visually and with thermographic camera
Install new fusing
Remedial efforts completed

HAYES_000

Chester County

Completed:

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

HEATON_169

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 animal protection
Upgrade fusing
Upgrade secondary
Remedial efforts completed

JARRETT_133

Montgomery County

Completed:

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

JARRETT_142

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

JARRETT_144

Montgomery County

Completed:

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

Planned:

Complete corrective reliability work orders

JENKINTOWN_131

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 animal protection
Relocate pole line
Upgrade secondary
Remedial efforts completed

JENKINTOWN_133

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

JENKINTOWN_139

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 animal protection
Upgrade secondary
Remedial efforts completed

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

Planned:

Inspect circuit visually and with thermographic camera

LENAPE_342

Chester County

Completed:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

Install new fusing

Remedial efforts completed

LENAPE_343

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

LENAPE_351

Chester County

Completed:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

Upgrade insulators

Remedial efforts completed

LEVITT_008

Bucks County

Completed:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

Install new recloser

Planned:

Upgrade secondary

LINE_104_00BY

Bucks County

Completed:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

Planned:

Complete corrective reliability work orders

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:

Create breakdown between circuits

Inspect circuit visually and with thermographic camera
Remedial efforts completed

LINE_2675

Philadelphia County

Completed:

Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera
Install new fusing
Remedial efforts completed

LINE_3344

Delaware County

Completed:

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

LINE_6000

Bucks County

Completed:

Inspect circuit visually and with thermographic camera
Remedial efforts completed

LINE_9600

Montgomery County

Completed:

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

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
Install new recloser
Remedial efforts completed

LINTON_341

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
nan
Remedial efforts completed

LLANERCH_147

Delaware County

Completed:

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

LLANERCH_161

Delaware County

Completed:

- Complete corrective reliability work orders
- Inspect circuit visually and with thermographic camera
- Install new fusing
- Upgrade transformer
- Remedial efforts completed

LOGAN_002

Philadelphia County

Completed:

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

LOGAN_006

Philadelphia County

Completed:

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

LUZERNE_004

Philadelphia County

Completed:

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

LYNDELL_000

Chester County

Completed:

- Inspect circuit visually and with thermographic camera
- Upgrade primary
- Remedial efforts completed

MAIN_000

Philadelphia County

Completed:

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

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
Inspect circuit visually and with thermographic camera
Remedial efforts completed

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
Inspect circuit visually and with thermographic camera
Install new fusing
Upgrade transformer
Remedial efforts completed

MIDDLETOWN_352*Delaware County***Completed:**

Inspect circuit visually and with thermographic camera
Remedial efforts completed

MONROE_006*Delaware 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 primary
Remedial efforts completed

MOON_003*Bucks County***Completed:**

Inspect circuit visually and with thermographic camera
Inspect selected areas of circuit for vegetation issues and correct as needed
Upgrade transformer
Remedial efforts completed

NESHAMINY_141*Bucks County***Completed:**

Inspect circuit visually and with thermographic camera
Remedial efforts completed

NEWLINVILLE_342*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

NEWLINVILLE_351

Chester County

Completed:

Inspect circuit visually and with thermographic camera
Remedial efforts completed

NEWLINVILLE_352

Chester County

Completed:

Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera
Install cut-out mounted recloser
Remedial efforts completed

NEWLINVILLE_362

Chester County

Completed:

Inspect circuit visually and with thermographic camera
Upgrade insulators
Upgrade primary
Remedial efforts completed

NORTH_WALES_344

Montgomery County

Completed:

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

OLIVE_001

Chester County

Completed:

Inspect circuit visually and with thermographic camera
Upgrade primary
Remedial efforts completed

PAOLI_002

Chester County

Completed:

Inspect circuit visually and with thermographic camera
Inspect selected areas of circuit for vegetation issues and correct as needed
Install tree resistant wire
Remedial efforts completed

PENLLYN_004

Montgomery County

Completed:

Inspect circuit visually and with thermographic camera
Inspect selected areas of circuit for vegetation issues and correct as needed
Upgrade secondary
Remedial efforts completed

PLYMOUTH_161

Montgomery County

Completed:

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

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

PULASKI_132*Philadelphia County***Completed:**

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

Planned:

- Complete corrective reliability work orders
- Create breakdown between circuits

RICHMOND_143*Philadelphia County***Completed:**

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

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
- Upgrade primary
- Remedial efforts completed

SLATE_000*York 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

SOMERSET_007

Philadelphia County

Completed:

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

SPENCER_011

Philadelphia County

Completed:

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

Planned:

Complete corrective reliability work orders

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
Inspect circuit visually and with thermographic camera
Remedial efforts completed

TANGUY_000

Delaware County

Completed:

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

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***Completed:**

Inspect circuit visually and with thermographic camera
Remedial efforts completed

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***Completed:**

Inspect circuit visually and with thermographic camera
Upgrade primary
Remedial efforts completed

WARMINSTER_003*Bucks County***Completed:**

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

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
- Inspect circuit visually and with thermographic camera
- Install new fusing
- Remedial efforts completed

WESTTOWN_000

Chester County

Completed:

- Inspect circuit visually and with thermographic camera

Planned:

- 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
- Inspect circuit visually and with thermographic camera
- Upgrade transformer
- Remedial efforts completed

WHITEMARSH_131

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
- Remedial efforts completed

WHITEMARSH_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
- Remedial efforts completed

WHITEMARSH_141

Montgomery County

Completed:

- Complete corrective reliability work orders
- Inspect circuit visually and with thermographic camera
- Install animal protection
- Install cut-out mounted recloser
- Install new fusing
- Remedial efforts completed

WHITEMARSH_161

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 recloser
- Remedial efforts completed

WINDRIM_001

Philadelphia County

Completed:

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