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November 1, 2019

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

Re: PECO 2019 Third Quarter Reliability Report PUC Docket No. M-2016-2522508

Dear Secretary Chiavetta:

Enclosed is PECO's 2019 Quarterly Reliability Report for the period ending September 30, 2019 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.

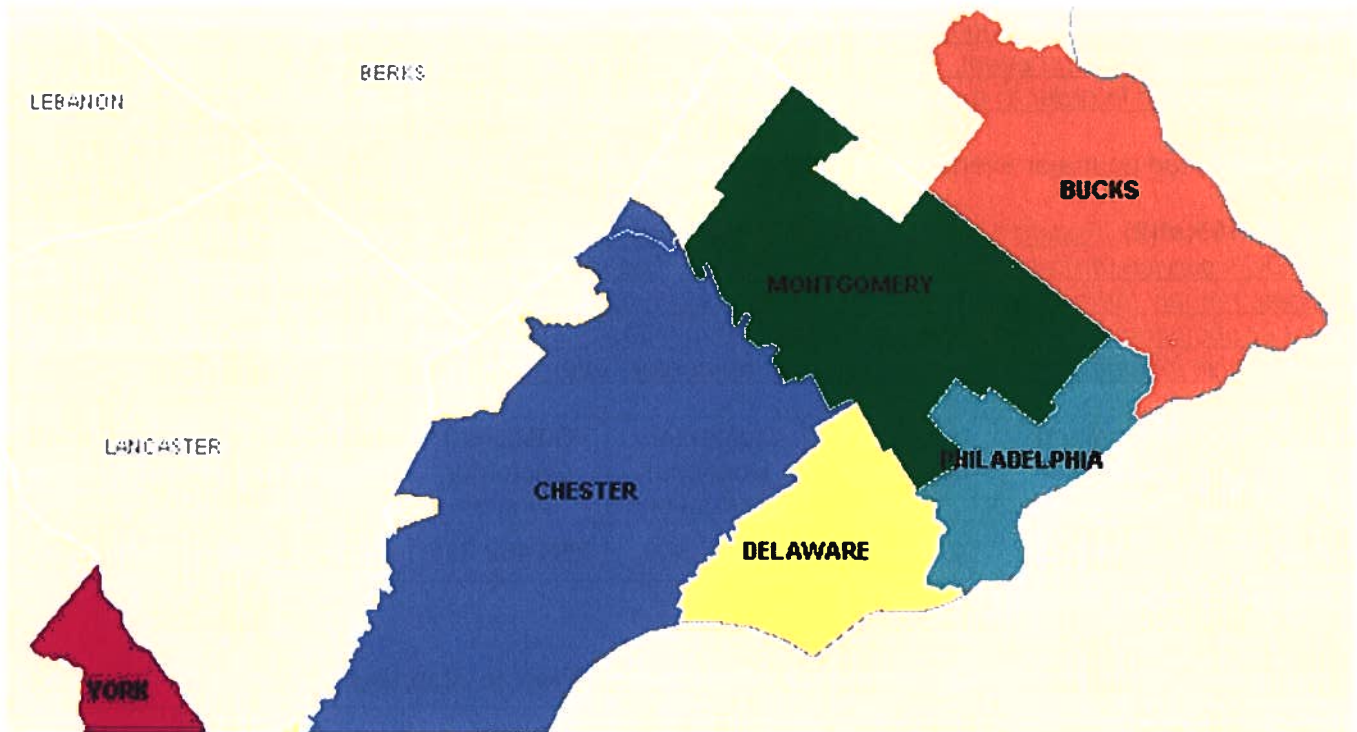
If you have any questions regarding this matter, please call me at 215-841-5777.

Sincerely,



Enclosure

**PECO Energy Company
Quarterly Reliability Report
For Period Ending September 30, 2019**



November 1, 2019

PECO Energy ("PECO")

Quarterly Report for the Period Ending September 30, 2019 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 no major events in the third quarter of 2019.

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
1,658,126	1,734,323	4,307,706	1,493,962	258,462,343	1.05	149	156	0.90

Data reflects 12 months ending 09/30/2019

PECO Benchmarks and Rolling 12-Month Standards

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

SAIFI is below its respective benchmarks and standards, CAIDI is above its standard, and SAIDI is above its benchmark and below its standard established on May 7, 2004. No benchmark or standard was established for MAIFI. Extended service restoration times caused by frequent storms during the last twelve months drove the duration indices of rolling 12-month SAIDI and CAIDI higher; SAIDI above the Benchmark and CAIDI above the Standard.

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, 2019

Cause	Service Outages	% of Service Outages	Customer Interruptions	% of Customer Interruptions	Customer Minutes
Animal	1,073	7.2%	41,445	2.4%	2,607,849
Contact/Dig-In	142	1.0%	17,676	1.0%	1,825,870
Equipment Failure	6,423	43.1%	729,269	42.0%	84,746,918
Lightning	432	2.9%	58,029	3.3%	13,192,428
Other	724	4.9%	77,748	4.5%	6,132,779
T&S	16	0.1%	33,643	1.9%	1,600,240
Unknown	345	2.3%	21,776	1.3%	2,399,643
Vegetation-Broken/Uprooted	4,158	27.9%	575,974	33.2%	120,828,729
Vegetation-Ingrowth	1,154	7.7%	106,972	6.2%	17,774,506
Vehicles	443	3.0%	71,799	4.1%	7,355,117

*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. Equipment is replaced based on observed trends under reliability programs and the System 2020 Long-term Infrastructure Investment Plan. Most customer interruptions caused by trees came from broken branches and tree trunks or uprooted trees (33.2% of all customer interruptions), as opposed to ingrowth (6.2% of all customer interruptions). PECO has observed an increase in dead and declining ash trees near its electrical facilities. Emerald ash borers (invasive insects that cause ash tree deaths) are known to be concentrated in the eastern United States and have infested areas across the PECO territory. Limb and tree failures caused by emerald ash borers are expected to increase through this decade and into the next. PECO is addressing this issue with a vegetation management 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 9/30/2019					
	3 rd Quarter Tasks		YTD Tasks		2019 Total Planned
	Planned	Completed	Planned	Completed	
Recloser Inspections (Number of reclosers inspected)	54	180	131	451	215
Circuit Patrol & Thermography (Number of circuits patrolled)	307	504	972	1,911	972
Pole Inspections (Number of poles visually inspected)	10661	266	24,384	36,999	32,834
Padmount Transformers (Number of transformers visually inspected)	2014	1481	7,631	6,646	9,619
Below Ground Transformers (Number of transformers visually inspected)	219	992	1,291	2,108	1,627
Substations (Number of substations inspections performed (e.g. visual inspection, reading of currents, voltages, temperature etc.) for a variety of substation components)	340	356	1,020	1,058	1,340
Unit Substations (Number of unit substations inspections performed (e.g. visual inspection, reading of currents, voltages, temperature etc.) for a variety of substation components)	758	789	2,273	2,337	2,980

Vegetation Management Preventive Maintenance Program – Status as of 9/30/2019

	3 rd Quarter Tasks		YTD Tasks		2019 Total Planned
	Planned	Completed	Planned	Completed	
Distribution Lift and Manual Trimming	555	673	1,650	2,223	2,187
Transmission Trimming and Removals	69	64	149	146	198

* Year-to-date completed miles exceed the planned mileage due to an accelerated preventive maintenance schedule in 2019

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	\$0.7	\$0.9	\$2.1	\$2.8
Capacity Expansion	\$0.3	\$0.0	\$2.0	\$0.3
System Performance	\$18.0	\$10.8	\$48.8	\$37.9
Facility Relocation	\$0.4	\$0.6	\$1.1	\$0.9
Maintenance	\$53.0	\$53.0	\$151.4	\$158.5
Total	\$72.4	\$65.3	\$205.4	\$200.4

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	\$13.7	\$17.3	\$39.8	\$50.9
Capacity Expansion	\$18.1	\$12.1	\$47.2	\$37.8
System Performance	\$109.6	\$68.8	\$268.5	\$232.6
Facility Relocation	\$2.0	\$3.7	\$6.7	\$11.4
Maintenance	\$29.8	\$27.6	\$88.7	\$96.1
Total	\$173.2	\$129.5	\$450.9	\$428.8

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, 2019	
Aerial Lineman	424
Underground Lineman (Include UTS)	69
Transmission / Substation Mechanics, Operators	110
Energy Technicians	90
Aerial Foreman	68
Underground Foreman	19
Transmission / Substation Foreman	32
ET Foreman	4
Distribution Mech Apprentice	0
Total	816

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Appendix A

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
BLUE GRASS_130	1,095	0.89	106	94	0.78	978	1,720	856
BLUE GRASS_144	1,126	2.59	102	265	1.48	2,915	4,978	1,661
BLUE GRASS_160	30	1.07	61	65	0.00	32	33	0
BRADFORD_341	1,202	2.80	143	400	3.95	3,363	8,019	4,751
BRADFORD_342	2,226	1.64	129	212	0.75	3,640	7,851	1,679
BRADFORD_344	2,594	3.04	106	323	5.09	7,885	13,972	13,191
BRADFORD_346	2,324	1.52	148	225	4.95	3,538	8,713	11,508
BRADFORD_351	865	1.55	93	144	2.43	1,337	2,081	2,102
BROOMALL_136	1,091	0.69	252	173	3.84	750	3,149	4,192
BRYN MAWR_134	430	4.18	135	563	0.71	1,797	4,032	305
BUCKINGHAM_352	2,695	0.23	723	170	1.93	633	7,629	5,188
BUCKINGHAM_361	795	1.33	115	152	0.80	1,058	2,019	638
BUCKINGHAM_362	3,385	1.08	148	160	0.82	3,659	9,039	2,783
BYBERRY_137	1,822	3.21	70	223	0.05	5,841	6,786	82
BYBERRY_144	1,212	3.35	113	378	0.74	4,063	7,636	896
BYBERRY_147	1,035	0.06	247	16	0.00	66	272	0
BYBERRY_163	1,581	0.55	304	166	0.84	863	4,379	1,332
BYBERRY_173	1,621	0.15	446	68	0.20	249	1,850	321
BYBERRY_184	956	2.89	115	333	3.37	2,765	5,311	3,222
CALLOWHILL_138	1,357	1.11	27	30	0.00	1,510	678	1
CEDARBROOK_134	2,136	0.70	97	68	1.37	1,504	2,423	2,930
CHALFONT_001	531	2.32	60	140	3.02	1,234	1,236	1,602
CLAY_341	788	3.53	118	417	1.93	2,778	5,479	1,523
CLAY_343	1,049	3.83	118	454	9.80	4,016	7,929	10,280
COUNTY LINE_004	572	2.06	163	337	0.00	1,180	3,211	0
CRESCENTVILLE_135	1,909	2.23	49	109	0.63	4,253	3,481	1,211
CRESCENTVILLE_136	2,611	2.09	25	53	1.14	5,444	2,299	2,983
CROYDON_142	613	3.09	73	226	1.04	1,895	2,306	638
CRUSHER_000	755	2.84	1,055	2,993	1.68	2,141	37,658	1,269
DALEVILLE_341	1,573	2.09	180	376	3.24	3,288	9,846	5,099
DANBORO_000	572	2.08	55	114	1.02	1,192	1,088	581
DILTOWN_005	346	1.10	110	121	0.00	381	700	0
DURHAM_003	563	0.63	516	322	1.00	352	3,025	563
EAGLE_352	2,017	0.79	190	151	1.94	1,601	5,081	3,923
EDDINGTON_138	760	1.98	205	406	0.83	1,503	5,138	632
EDGELY_003	451	2.15	198	426	2.98	968	3,200	1,342
ELKINS PARK_004	510	1.60	121	193	0.00	814	1,638	0
FLINT_141	831	1.60	186	297	0.50	1,327	4,119	413
FLINT_146	1,124	2.32	60	140	0.00	2,605	2,622	0
FOULK_143	1,131	0.27	345	94	0.00	310	1,781	0
GLADWYNE_001	183	2.93	327	961	10.31	537	2,930	1,887
GLADWYNE_132	517	2.71	160	434	7.07	1,402	3,740	3,657
HANOVER_001	1,044	1.82	245	447	2.02	1,904	7,769	2,113
HARMONY_005	1,056	3.21	93	300	0.87	3,389	5,272	920
HAYES_000	369	2.05	208	427	0.00	758	2,626	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
HEATON_136	1,418	0.81	173	139	0.30	1,142	3,286	431
HIGHLAND_000	317	4.34	155	673	1.16	1,377	3,558	369
HOLMESBURG_139	1,046	0.19	70	13	0.00	196	230	0
JARRETT_141	1,472	0.32	196	62	0.24	466	1,519	347
JENKINTOWN_134	1,823	1.09	58	63	0.87	1,994	1,915	1,579
JENKINTOWN_137	1,617	0.91	176	160	2.38	1,467	4,300	3,855
JENKINTOWN_142	1,913	0.94	91	86	0.62	1,793	2,728	1,188
JENKINTOWN_144	1,853	2.07	60	124	0.42	3,836	3,827	774
LENAPE_000	436	2.15	215	461	1.07	936	3,352	465
LINE_131_00WO	543	0.15	139	20	0.00	79	183	0
LINE_136_00	1,351	2.23	168	373	0.00	3,006	8,393	0
LINE_189_00EM	970	4.64	104	482	1.63	4,503	7,787	1,584
LINE_2200CR	750	2.18	189	414	0.63	1,637	5,170	474
LINE_2507	1,969	2.37	29	69	0.03	4,665	2,270	51
LINE_3307NT	2,169	2.80	113	316	1.95	6,064	11,431	4,227
LINE_534	1,158	2.98	49	147	0.31	3,453	2,841	354
LINE_7200WH	222	0.98	335	329	0.00	218	1,216	0
LINE_7500PB	2,964	2.10	167	351	1.22	6,223	17,361	3,625
LINTON_352	3,428	0.73	132	97	1.56	2,509	5,533	5,345
LLANERCH_146	1,797	0.45	101	46	1.04	812	1,364	1,860
LLANERCH_163	1,477	0.19	359	68	0.00	278	1,663	0
LLANERCH_166	1,539	0.94	105	99	0.00	1,449	2,540	0
MASTER_131	3,448	0.98	35	35	0.83	3,379	1,987	2,864
MATSON_131	765	2.21	169	374	3.36	1,689	4,766	2,571
MATTHEWS_000	376	1.13	107	121	2.00	424	756	753
MEDIA_011	577	3.73	225	837	3.29	2,150	8,052	1,900
MIDDLETOWN_133	1,432	4.28	227	972	1.65	6,125	23,203	2,357
MONROE_002	675	7.13	136	969	0.52	4,816	10,897	353
MORRISVILLE_011	678	3.77	491	1,850	3.00	2,556	20,910	2,033
MOSER_013	990	1.05	113	118	0.00	1,040	1,954	0
NEWLINVILLE_344	2,639	1.51	129	196	1.27	3,992	8,608	3,352
NEWLINVILLE_353	2,859	2.45	121	297	4.70	6,999	14,157	13,443
NEWLINVILLE_362	2,573	1.42	163	230	0.97	3,646	9,882	2,503
NEWTOWN_SQUAR_136	1,368	4.18	35	148	1.16	5,713	3,372	1,592
NOLAN_004	889	3.39	179	607	2.88	3,018	8,990	2,560
NORTH WALES_354	1,205	1.62	221	358	1.57	1,953	7,192	1,891
NORTH WALES_361	1,875	0.05	153	8	0.13	98	250	242
NORTH WALES_362	2,003	2.10	66	139	1.17	4,211	4,647	2,339
NORTH WALES_363	3,502	1.20	112	134	0.31	4,198	7,812	1,073
NOTTINGHAM_011	253	0.48	302	144	0.04	121	608	9
OAKMONT_002	617	1.05	238	248	1.00	645	2,555	614
PAGE_000	865	1.41	131	185	4.92	1,221	2,660	4,255
PARRISH_136	3,060	1.55	50	78	1.72	4,728	3,961	5,273
PERKIOMEN_354	2,774	2.36	57	134	0.19	6,557	6,185	519
PERKIOMEN_363	2,611	2.29	695	1,589	1.11	5,970	69,149	2,886
PLANEBROOK_344	1,860	4.78	184	881	2.32	8,885	27,302	4,308

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
PLYMOUTH_135	319	1.20	252	304	1.65	384	1,614	527
PLYMOUTH_160	783	1.84	136	250	0.62	1,439	3,267	486
PLYMOUTH_172	2,048	0.03	84	3	0.00	64	90	0
PULASKI_134	2,865	1.26	76	96	0.12	3,599	4,578	350
PULASKI_136	1,910	0.81	16	13	0.00	1,539	411	0
SADSBURY_000	612	0.10	763	74	1.00	59	751	613
SAVILLE_131	1,070	2.20	67	147	0.02	2,350	2,620	18
SCHWENKSVILLE_001	533	2.77	307	851	0.20	1,478	7,558	107
SNOWDEN_000	571	0.69	148	102	0.00	393	970	0
STARKEY_000	382	3.37	523	1,762	2.37	1,286	11,219	906
TACONY_134	1,955	1.14	59	67	0.48	2,223	2,188	932
TREDYFFRIN_131	1,273	0.89	156	139	0.80	1,132	2,942	1,023
TREVOSE_136	1,070	4.95	51	252	8.15	5,297	4,498	8,721
TROOPER_002	652	0.10	94	9	0.00	62	97	0
UPPER_DARBY_134	1,994	0.88	98	86	0.17	1,763	2,869	333
UPPER_DARBY_141	1,384	2.23	46	102	0.00	3,087	2,349	0
WARMINSTER_161	1,498	0.19	383	72	0.00	283	1,807	0
WARRINGTON_362	2,334	0.50	114	57	0.82	1,166	2,212	1,925
WEST GROVE_002	423	2.28	175	398	4.01	965	2,808	1,695
WESTMORELAND_132	1,356	1.53	81	124	0.44	2,072	2,806	590
WHITEMARSH_133	653	2.93	77	225	0.28	1,911	2,445	182
WHITEMARSH_161	1,217	0.82	113	93	0.02	999	1,886	30
WHITEMARSH_163	332	2.59	132	341	2.58	859	1,885	856

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

BLUE_GRASS_130

Philadelphia County

Completed:

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Complete corrective reliability work orders
- Install animal protection
- Upgrade secondary wire
- Upgrade fusing
- Install cutout-mounted recloser
- Remedial efforts completed

BLUE_GRASS_144

Philadelphia County

Completed:

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Install animal protection
- Complete corrective reliability work orders
- Remedial efforts completed

BLUE_GRASS_160

Philadelphia County

Completed:

- Replace underground cable
- Remedial efforts completed

BRADFORD_341

Chester County

Completed:

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

BRADFORD_342

Chester County

Completed:

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

BRADFORD_344

Chester County

Completed:

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

BRADFORD_346*Chester County***Completed:**

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

BRADFORD_351*Chester County***Completed:**

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

BROOMALL_136*Delaware County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Complete corrective reliability work orders
- Remedial efforts completed

BRYN_MAWR_134*Delaware County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Complete corrective reliability work orders
- Install animal protection
- Inspect selected areas of circuit for vegetation issues and correct as needed
- Remedial efforts completed

BUCKINGHAM_352*Bucks County***Completed:**

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

BUCKINGHAM_361*Bucks County***Completed:**

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

BUCKINGHAM_362*Bucks County***Completed:**

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

BYBERRY_137*Philadelphia County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Complete corrective reliability work orders

Planned:

- Complete corrective reliability work orders

BYBERRY_144*Montgomery County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Upgrade secondary wire
- Remedial efforts completed

BYBERRY_147*Philadelphia County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Complete corrective reliability work orders
- Install cutout-mounted recloser
- Reconfigure circuit
- Remedial efforts completed

BYBERRY_163*Philadelphia County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Complete corrective reliability work orders
- Inspect selected areas of circuit for vegetation issues and correct as needed
- Install animal protection

Planned:

- Install cutout-mounted recloser

BYBERRY_173*Philadelphia County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Complete corrective reliability work orders
- Install animal protection
- Inspect selected areas of circuit for vegetation issues and correct as needed
- Replace transformer
- Upgrade secondary wire
- Remedial efforts completed

BYBERRY_184*Bucks County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Complete corrective reliability work orders
- Upgrade secondary wire
- Remedial efforts completed

CALLOWHILL_138*Philadelphia County***Completed:**

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

CEDARBROOK_134*Philadelphia County***Completed:**

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

CHALFONT_001*Bucks County***Completed:**

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

CLAY_341*Chester County***Completed:**

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

CLAY_343*Chester County***Completed:**

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

COUNTY_LINE_004*Montgomery County***Completed:**

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

CRESCENTVILLE_135*Philadelphia County***Completed:**

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

CRESCENTVILLE_136*Philadelphia County***Completed:**

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

CROYDON_142*Bucks County***Completed:**

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

CRUSHER_000*Montgomery County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Complete corrective reliability work orders
- Replace transformer
- Remedial efforts completed

DALEVILLE_341*Chester County***Completed:**

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

DANBORO_000*Bucks County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Inspect selected areas of circuit for vegetation issues and correct as needed
- Remedial efforts completed

DILTOWN_005*Chester County***Completed:**

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

DURHAM_003*Bucks County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance

Planned:

- Upgrade secondary wire

EAGLE_352*Chester County***Completed:**

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

EDDINGTON_138*Bucks County***Completed:**

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

EDGELY_003*Bucks County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Upgrade secondary wire
- Remedial efforts completed

ELKINS_PARK_004*Montgomery County***Completed:**

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

FLINT_141*Montgomery County***Completed:**

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

Planned:

- Install tree-resistant wire

FLINT_146*Montgomery County***Completed:**

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

Planned:

- Install tree-resistant wire

FOULK_143*Delaware County***Completed:**

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

GLADWYNE_001*Delaware County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Inspect selected areas of circuit for vegetation issues and correct as needed
- Complete corrective reliability work orders
- Remedial efforts completed

GLADWYNE_132*Delaware County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Inspect selected areas of circuit for vegetation issues and correct as needed
- Remedial efforts completed

HANOVER_001*Montgomery County***Completed:**

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

HARMONY_005*Chester County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Inspect selected areas of circuit for vegetation issues and correct as needed
- Remedial efforts completed

HAYES_000*Chester County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Complete corrective reliability work orders
- Inspect selected areas of circuit for vegetation issues and correct as needed
- Remedial efforts completed

HEATON_136*Montgomery County***Completed:**

- Inspect circuit visually and with thermographic camera
- Install animal protection
- Upgrade fusing
- Install tree-resistant wire
- Complete corrective reliability work orders

Planned:

- Complete corrective reliability work orders
- Extend circuit and install switches

HIGHLAND_000*Chester County***Completed:**

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

HOLMESBURG_139*Philadelphia County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Install animal protection
- Remedial efforts completed

JARRETT_141*Montgomery County***Completed:**

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

JENKINTOWN_134*Montgomery County***Completed:**

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

JENKINTOWN_137*Montgomery County***Completed:**

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

JENKINTOWN_142*Philadelphia County***Completed:**

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

JENKINTOWN_144*Montgomery County***Completed:**

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

LENAPE_000*Chester County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Remedial efforts completed

LINE_131_00WO*Bucks County***Completed:**

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

LINE_136_00*Bucks County***Completed:**

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

LINE_189_00EM*Bucks County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Replace transformer
- Complete corrective reliability work orders
- Remedial efforts completed

LINE_2200CR*Chester County***Completed:**

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

LINE_2507*Delaware County***Completed:**

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

LINE_3307NT*Chester County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Complete corrective reliability work orders
- Install animal protection

Planned:

- Install recloser

LINE_534*Philadelphia County***Completed:**

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

Planned:

- Complete corrective reliability work orders

LINE_7200WH*Montgomery County***Completed:**

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

Planned:

- Complete corrective reliability work orders

LINE_7500PB*Chester County***Completed:**

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

LINTON_352*Bucks County***Completed:**

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

LLANERCH_146*Delaware County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Complete corrective reliability work orders
- Remedial efforts completed

LLANERCH_163*Delaware County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Complete corrective reliability work orders

Planned:

- Install tree-resistant wire

LLANERCH_166*Delaware County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Complete corrective reliability work orders
- Remedial efforts completed

MASTER_131*Philadelphia County***Completed:**

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

MATSON_131*Delaware County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Install tree-resistant wire
- Remedial efforts completed

MATTHEWS_000*Chester County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Complete corrective reliability work orders
- Inspect selected areas of circuit for vegetation issues and correct as needed
- Remedial efforts completed

MEDIA_011*Delaware County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance

Planned:

- Install tree-resistant wire

MIDDLETOWN_133*Delaware County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Complete corrective reliability work orders
- Inspect selected areas of circuit for vegetation issues and correct as needed
- Remedial efforts completed

MONROE_002*Delaware County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Install tree-resistant wire
- Remedial efforts completed

MORRISVILLE_011*Bucks County***Completed:**

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

MOSER_013*Chester County***Completed:**

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

NEWLINVILLE_344*Chester County***Completed:**

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

NEWLINVILLE_353*Chester County***Completed:**

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

NEWLINVILLE_362*Chester County***Completed:**

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

NEWTOWN_SQUAR_136*Delaware County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Complete corrective reliability work orders
- Remedial efforts completed

NOLAN_004*Bucks County***Completed:**

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

NORTH_WALES_354*Montgomery County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Complete corrective reliability work orders
- Remedial efforts completed

NORTH_WALES_361*Montgomery County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Inspect selected areas of circuit for vegetation issues and correct as needed
- Complete corrective reliability work orders
- Remedial efforts completed

NORTH_WALES_362*Montgomery County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Replace transformer
- Complete corrective reliability work orders
- Remedial efforts completed

NORTH_WALES_363*Montgomery County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Complete corrective reliability work orders
- Inspect selected areas of circuit for vegetation issues and correct as needed
- Remedial efforts completed

NOTTINGHAM_011*Chester County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Complete corrective reliability work orders
- Install tree-resistant wire
- Remedial efforts completed

OAKMONT_002*Delaware County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Inspect selected areas of circuit for vegetation issues and correct as needed
- Remedial efforts completed

PAGE_000*Chester County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Complete corrective reliability work orders
- Inspect selected areas of circuit for vegetation issues and correct as needed
- Remedial efforts completed

PARRISH_136*Philadelphia County***Completed:**

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

PERKIOMEN_354*Montgomery County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Inspect selected areas of circuit for vegetation issues and correct as needed
- Complete corrective reliability work orders
- Remedial efforts completed

PERKIOMEN_363*Montgomery County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Complete corrective reliability work orders
- Remedial efforts completed

PLANEBROOK_344*Chester County***Completed:**

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

PLYMOUTH_135*Montgomery County***Completed:**

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

PLYMOUTH_160*Montgomery County***Completed:**

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

PLYMOUTH_172*Montgomery County***Completed:**

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

PULASKI_134*Philadelphia County***Completed:**

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

Planned:

- Complete corrective reliability work orders
- Upgrade fusing
- Upgrade primary wire

PULASKI_136*Philadelphia County***Completed:**

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

SADSBURY_000*Chester County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Inspect selected areas of circuit for vegetation issues and correct as needed

Planned:

- Upgrade secondary wire

SAVILLE_131*Delaware County***Completed:**

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

SCHWENKSVILLE_001*Montgomery County***Completed:**

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

SNOWDEN_000*Chester County***Completed:**

- Inspect circuit visually and with thermographic camera
- Install recloser

Planned:

- Replace poles and cross arms

STARKEY_000*Bucks County***Completed:**

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

TACONY_134*Philadelphia County***Completed:**

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

Planned:

- Complete corrective reliability work orders

TREDYFFRIN_131*Chester County***Completed:**

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

TREVOSE_136*Bucks County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Inspect selected areas of circuit for vegetation issues and correct as needed
- Upgrade secondary wire
- Remedial efforts completed

TROOPER_002*Montgomery County***Completed:**

- Inspect circuit visually and with thermographic camera
- Perform regularly scheduled tree clearance
- Upgrade secondary wire
- Complete corrective reliability work orders

Planned:

- Install tree-resistant wire

UPPER_DARBY_134*Delaware County***Completed:**

- Inspect circuit visually and with thermographic camera
- Install animal protection
- Upgrade fusing
- Install single-phase recloser
- Inspect selected areas of circuit for vegetation issues and correct as needed
- Install recloser
- Complete corrective reliability work orders
- Remedial efforts completed

UPPER_DARBY_141*Delaware County***Completed:**

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

Planned:

- Install recloser

WARMINSTER_161*Bucks County***Completed:**

- Inspect circuit visually and with thermographic camera
- Upgrade fusing
- Install animal protection
- Complete corrective reliability work orders
- Replace transformer
- Upgrade secondary wire
- Inspect selected areas of circuit for vegetation issues and correct as needed
- Remedial efforts completed

WARRINGTON_362*Bucks County***Completed:**

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

WESTMORELAND_132*Philadelphia County***Completed:**

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

WEST_GROVE_002*Chester County***Completed:**

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

WHITEMARSH_133*Montgomery County***Completed:**

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

WHITEMARSH_161*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

WHITEMARSH_163*Montgomery County***Completed:**

- Inspect circuit visually and with thermographic camera
- Inspect selected areas of circuit for vegetation issues and correct as needed
- Complete corrective reliability work orders
- Install tree-resistant wire
- Upgrade secondary wire
- 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).

