



peco<sup>SM</sup>

AN EXELON COMPANY

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May 21, 2024

**VIA E-FILING**

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

**Re: Revised PECO 2023 Fourth Quarter Reliability Report PUC Docket No. M-2023-3039027**

Dear Secretary Chiavetta:

Enclosed is PECO's revised 2023 Quarterly Reliability Report for the period ending December 31, 2023 (Revised Report), submitted pursuant to the Electric Service Reliability Regulations at 52 Pa. Code Chapter 57. The Company requests the Revised Report replace the existing report that was filed on February 1, 2024 and requests the Secretary's Bureau remove the existing report from the record at Docket No. M-2023-3039027 and replace it with the Revised Report.

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.

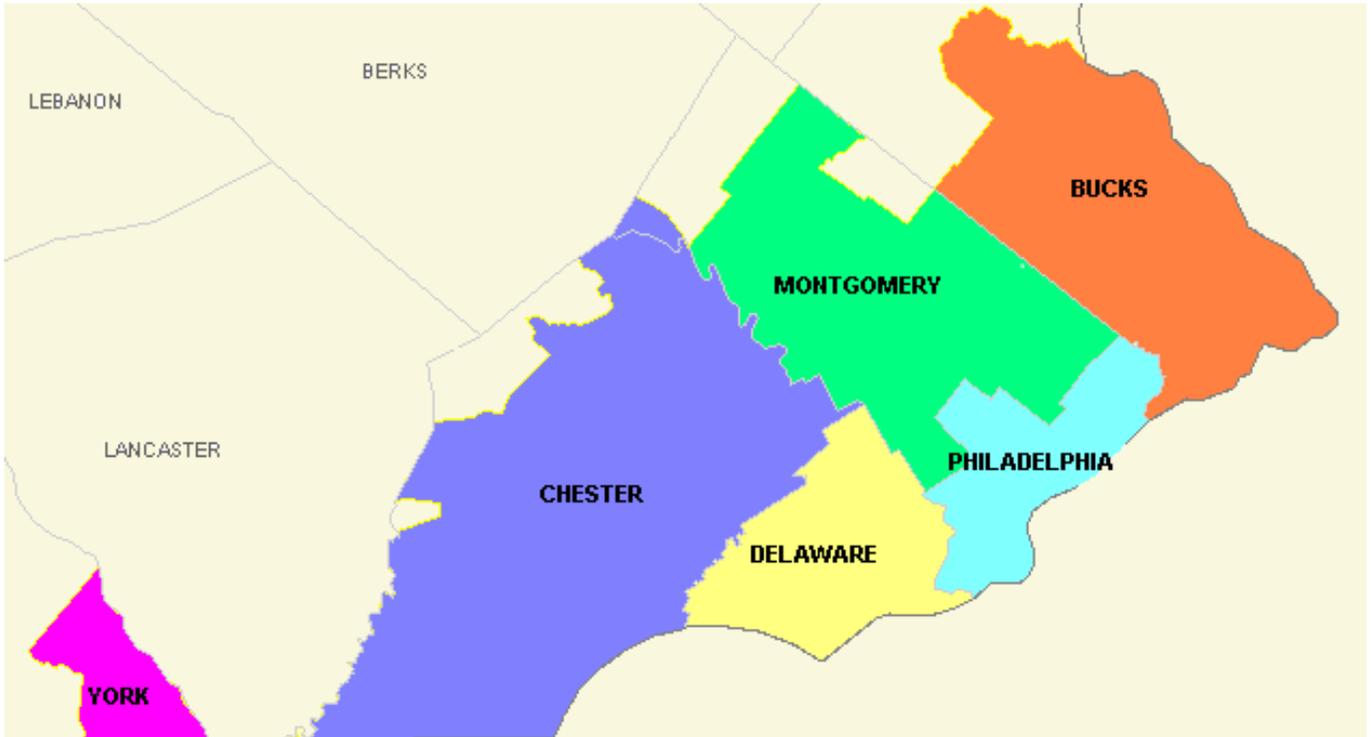
Thank you for your assistance in this matter and please direct any questions regarding the above to Megan McDevitt, Manager, Retail Rates at 267-533-1942 or via email: [megan.mcdevitt@exeloncorp.com](mailto:megan.mcdevitt@exeloncorp.com).

Sincerely,

Enclosure

Cc: John Van Zant (via email only)  
Dan Searfoorce (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 December 31, 2023



**May 21, 2024**

**PECO Energy (“PECO”)**

**Quarterly Reliability Report for the Period Ending December 31, 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 fourth 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
1,687,053	1,256,802	2,897,181	1,341,967	173,830,880	0.74	138	103	0.80

Data reflects 12 months ending 12/31/2023.

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 and, to a lesser extent, in the prior 24 months. 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 December 31, 2023					
Cause	Service Outages	% of Service Outages	Customer Interruptions	% of Customer Interruptions	Customer Minutes
Animal	1,393	11.2%	36,624	2.9%	2,115,669
Contact/Dig-In	105	0.8%	8,500	0.7%	820,891
Equipment Failure	4,035	32.4%	390,683	31.1%	35,231,597
Lightning	418	3.4%	41,758	3.3%	4,839,820
Other	469	3.8%	58,574	4.7%	3,578,149
T&S	10	0.1%	29,057	2.3%	692,855
Unknown	720	5.8%	173,821	13.8%	33,241,742
Vegetation-Broken/Uprooted	4,420	35.5%	434,277	34.6%	83,231,874
Vegetation-Ingrowth	555	4.5%	35,951	2.9%	5,682,596
Vehicles	344	2.8%	47,557	3.8%	4,395,687
Total	12,469	100.0%	1,256,802	100.0%	173,830,880

\*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 (34.6% 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).”

*No data required for fourth quarter report*

**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.)

*No data required for fourth quarter report*

**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.)

*No data required for fourth quarter report*

**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 December 31, 2023 was as follows:

Aerial Lineman	445
Underground Lineman (Include UTS)	69
Transmission / Substation Mechanics, Operators	107
Energy Technicians	88
Aerial Foreman	79
Underground Foreman	18
Transmission / Substation Foreman	47
ET Foreman	8
Total	861

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	2.46	115	282	0.02	1062	2032	8
AIRY_004	659	2.95	57	169	0.01	1947	1855	5
AQUE_000	233	3.20	173	553	0.06	746	2146	14
BACTON_000	236	6.45	137	886	3.41	1522	3485	805
BLUE_GRASS_131	1740	0.58	57	33	1.71	1003	960	2974
BLUE_GRASS_142	1501	1.50	32	49	0.55	2259	1214	828
BRADFORD_341	1306	3.61	88	317	4.85	4710	6893	6340
BRADFORD_342	2330	1.15	288	333	1.02	2690	12919	2386
BRYN_MAWR_131	890	0.94	47	44	1.66	834	660	1476
BUCK_000	370	5.82	341	1983	0.21	2155	12230	78
BUCKINGHAM_342	3119	2.02	84	169	1.02	6312	8796	3178
BUCKINGHAM_352	2718	0.24	107	25	0.73	644	1147	1982
BUCKINGHAM_372	1120	0.52	212	109	0.95	579	2041	1062
BURHOLME_134	483	1.99	322	640	0.65	960	5152	314
BYBERRY_136	839	0.05	247	11	0.00	38	156	0
CEDARBROOK_131	1019	1.01	356	360	0.12	1029	6107	122
CHANDLER_000	405	2.32	782	1811	4.25	938	12227	1720
CONCORD_351	2308	2.80	251	701	3.39	6459	26979	7829
COUNTY_LINE_003	534	0.01	55	0	0.00	3	3	0
CRUSHER_000	750	1.45	137	199	1.45	1087	2490	1088
DILTOWN_005	336	0.24	216	53	0.00	82	295	0
DOWNINGTOWN_004	697	1.47	332	487	4.14	1023	5652	2884
DOWNINGTOWN_005	752	0.55	207	114	3.85	415	1433	2895
DURHAM_003	562	0.12	373	45	0.00	68	423	0
DUTTON_002	307	4.22	167	706	0.96	1297	3615	294
EAGLE_342	3064	1.59	182	290	3.86	4874	14813	11818
FOX_CHASE_138	887	0.00	29	0	0.00	1	0	0
FOX_CHASE_141	1538	0.18	333	60	0.65	276	1531	997
GARRETT_006	875	1.02	119	121	0.00	892	1769	1
GERMANTOWN_023	686	0.08	797	65	0.00	56	744	0
GOSHEN_352	3368	1.82	220	402	0.89	6144	22566	2994
HARTSVILLE_003	733	0.11	52	6	0.00	79	68	0
HAYES_000	372	3.95	228	900	2.03	1469	5578	754
HEATON_169	1471	0.18	199	35	0.69	262	869	1014
JARRETT_133	1291	0.68	131	89	0.77	879	1913	997
JARRETT_142	917	1.03	63	65	0.35	948	989	319
JARRETT_144	1229	0.85	41	35	0.35	1047	713	436
JENKINTOWN_131	1255	0.68	70	48	0.99	853	998	1239
JENKINTOWN_133	1238	0.88	151	132	0.12	1085	2727	144
JENKINTOWN_139	966	0.58	256	148	0.76	557	2381	733

CIRCUIT	CUSTOMERS ON CIRCUIT	12 Month Rolling Circuit SAIFI	12 Month Rolling Circuit CAIDI	12 Month Rolling Circuit SAIDI	12 Month Rolling Circuit MAIFI	12 Month Rolling Customers Interrupted	12 Month Rolling Customer Hours	12 Month Rolling Momentary Customers Interrupted
KENNETT_SQUAR_006	434	1.00	52	52	2.59	432	374	1124
KEYS_001	574	0.03	106	3	3.00	15	27	1722
KIMBERTON_001	704	1.26	198	249	6.07	888	2926	4276
LANE_001	376	1.35	88	118	0.98	507	742	369
LANE_002	750	1.03	297	307	1.17	776	3837	875
LENAPE_342	2001	1.18	328	389	0.78	2371	12962	1554
LENAPE_343	2004	3.59	56	200	4.42	7196	6677	8862
LENAPE_351	1803	1.59	971	1547	0.60	2872	46500	1086
LEVITT_008	687	0.01	881	5	0.00	4	59	0
LINE_104_00BY	3	2.00	140	279	0.00	6	14	0
LINE_1300CR	2551	1.16	115	133	1.48	2957	5652	3771
LINE_2100CR	1638	1.83	58	106	2.49	3005	2887	4078
LINE_2675	621	0.16	10	2	0.00	99	17	0
LINE_3344	612	0.92	123	114	0.12	566	1160	72
LINE_6000	14	0.71	219	156	1.07	10	37	15
LINE_9600	453	2.00	81	163	0.00	904	1228	2
LINFIELD_000	702	5.05	69	349	3.30	3543	4087	2314
LINTON_341	2721	0.97	216	209	1.10	2632	9486	3002
LLANERCH_147	2308	0.32	70	22	2.20	729	846	5078
LLANERCH_161	1196	1.40	171	239	0.94	1674	4765	1125
LOGAN_002	828	0.41	38	15	0.01	340	213	5
LOGAN_006	872	0	0	0	0	0	0	0
LUZERNE_004	857	1.02	33	34	0.04	876	480	38
LYNDELL_000	137	2.86	322	920	7.42	392	2102	1017
MAIN_000	97	1.10	54	59	0.95	107	96	92
MANOR_001	204	4.97	234	1161	7.97	1013	3949	1626
MAPLE_HILL_000	629	2.02	96	194	0.06	1270	2033	35
MASTER_142	815	0.10	38	4	0.00	80	51	3
MATSON_131	758	1.43	322	462	6.99	1087	5834	5299
MIDDLETOWN_349	2119	2.38	232	554	4.27	5053	19580	9043
MIDDLETOWN_352	1847	1.67	302	504	0.49	3079	15514	899
MONROE_006	363	0.63	122	77	0.44	229	466	159
MOON_003	594	0.48	291	141	0.16	287	1392	95
NESHAMINY_141	1219	0.09	62	6	0.00	109	112	2
NEWLINVILLE_342	1947	2.33	88	204	3.82	4544	6629	7432
NEWLINVILLE_351	1552	1.86	106	198	0.21	2893	5113	323
NEWLINVILLE_352	2400	1.93	95	183	5.80	4638	7310	13920
NEWLINVILLE_362	2751	2.00	238	476	3.73	5514	21838	10249
NORTH_WALES_344	1451	0.12	84	10	1.05	175	244	1530
OLIVE_001	901	2.41	129	310	0.02	2173	4659	22
PAOLI_002	290	1.63	184	301	1.20	474	1457	349

CIRCUIT	CUSTOMERS ON CIRCUIT	12 Month Rolling Circuit SAIFI	12 Month Rolling Circuit CAIDI	12 Month Rolling Circuit SAIDI	12 Month Rolling Circuit MAIFI	12 Month Rolling Customers Interrupted	12 Month Rolling Customer Hours	12 Month Rolling Momentary Customers Interrupted
PENLLYN_004	465	2.01	75	152	0.00	934	1175	0
PLYMOUTH_161	305	2.27	73	166	0.04	693	843	11
POOLS_001	620	0.40	57	23	0.00	247	234	0
POOLS_002	476	1.04	47	48	1.76	494	384	838
PULASKI_012	265	0	0	0	0	0	0	0
PULASKI_132	3714	0.26	117	30	0.00	955	1862	0
RICHMOND_143	2170	1.55	8	13	0.69	3366	456	1505
RUSHLAND_000	388	3.03	174	526	0.27	1176	3401	103
SLATE_000	142	4.32	223	964	2.04	613	2283	290
SOMERSET_007	687	0.01	83	1	0.00	8	11	0
SPENCER_011	357	0	0	0	0	0	0	0
STONY_001	398	1.53	154	236	0.02	610	1563	7
TABOR_139	1705	0.43	32	14	1.47	741	389	2499
TANGUY_000	189	6.58	239	1569	3.00	1243	4942	567
THORNDALE_003	132	2.92	76	221	0.03	385	485	4
UPPER_MERION_132	1127	0.50	174	88	0.21	569	1653	239
UPPER_PROVIDENCE_351	2765	0.07	383	26	0.51	187	1193	1418
UWCHLAN_004	535	3.07	276	845	3.36	1640	7533	1800
VAUGHN_002	621	0.00	0	0	0.02	0	0	13
WAGONTOWN_000	528	3.18	200	637	6.95	1679	5610	3668
WARMINSTER_003	133	0	0	0	0	0	0	0
WASHINGTON_SQ_002	387	0.14	205	28	0.00	53	181	0
WASHINGTON_SQ_003	367	0.07	109	7	0.00	25	45	0
WASHINGTON_SQ_005	Retired	Retired	Retired	Retired	Retired	Retired	Retired	Retired
WAYNE_146	555	0.99	238	235	2.85	548	2177	1581
WEST_BUCK_002	441	1.19	46	55	0.00	526	406	0
WEST_GROVE_001	508	3.02	184	555	0.94	1534	4702	479
WESTTOWN_000	232	4.36	172	748	1.40	1011	2893	325
WHITEMARSH_131	464	1.05	54	57	0.00	485	438	2
WHITEMARSH_132	1839	0.05	136	6	0.02	88	199	37
WHITEMARSH_141	1131	2.00	108	216	4.03	2265	4072	4559
WHITEMARSH_161	1317	0.36	55	20	0.93	473	432	1228
WINDRIM_001	622	0.05	32	1	1.69	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 12/31/23

### **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  
Install new recloser  
Remedial efforts completed

**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
- Complete corrective reliability work orders
- Remedial efforts completed

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

**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  
Upgrade secondary  
Remedial efforts completed

**LINE\_104\_00BY**

*Bucks County*

**Completed:**

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

**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  
Complete corrective reliability work orders  
Create breakdown between circuits  
Remedial efforts completed

**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  
Remedial efforts completed

**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:**

Inspect circuit visually and with thermographic camera  
Remedial efforts completed

**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
- Upgrade primary
- Remedial efforts completed

**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).