



pecoSM

AN EXELON COMPANY

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May 2, 2022

VIA E-FILING

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

Re: PECO 2022 First Quarter Reliability Report PUC Docket No. M-2016-2522508

Dear Secretary Chiavetta:

Enclosed is PECO's 2022 Quarterly Reliability Report for the period ending March 31, 2022 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.

Due to the continuing COVID-19 pandemic, PECO's employees are working remotely in the office on a part-time basis. Accordingly, PECO employees will have limited access to photocopying and U.S. mail, among other services. PECO requests that all communications with PECO employees continue to be transmitted by email.

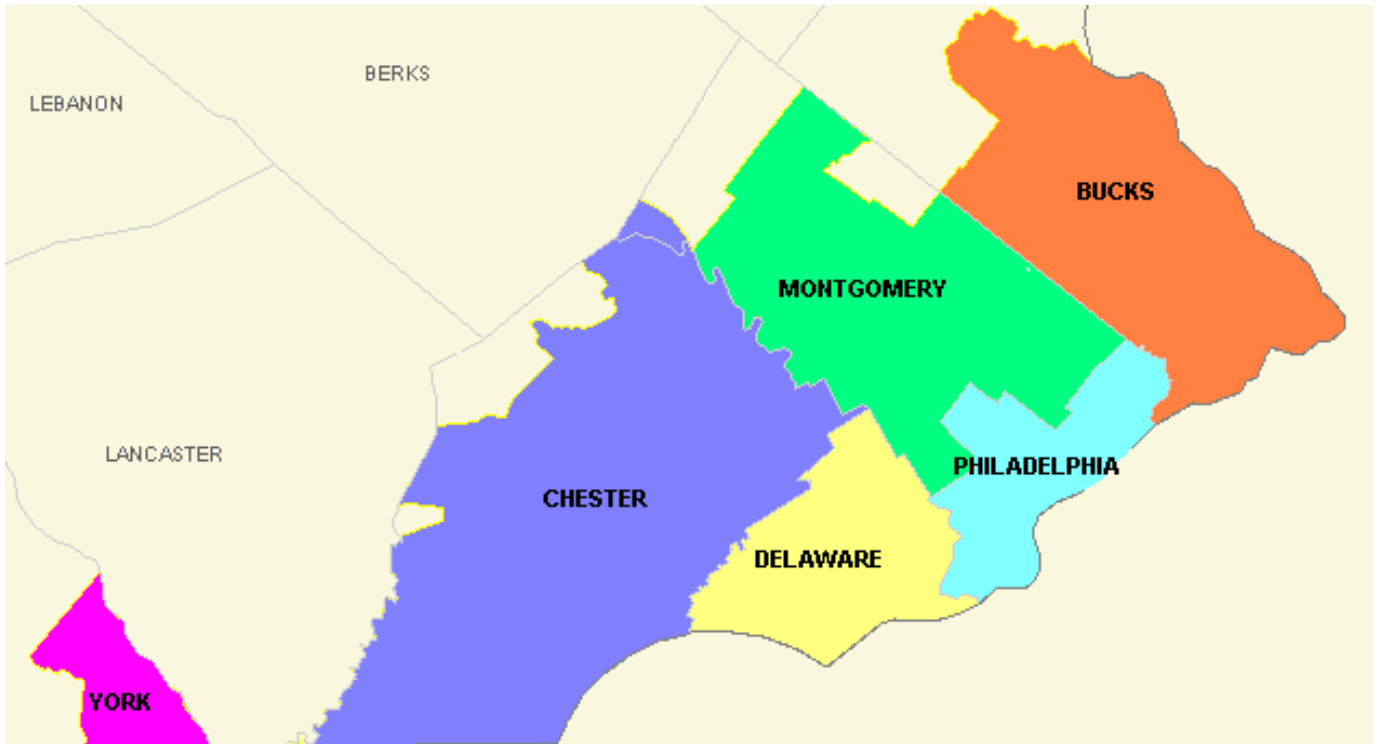
Thank you for your assistance in this matter and please direct any questions regarding the above to Megan McDevitt, Manager, Retail Rates at (215) 841 6361 or via email: megan.mcdevitt@exeloncorp.com.

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 March 31, 2022



May 2, 2022

PECO Energy (“PECO”)

Quarterly Reliability Report for the Period Ending March 31, 2022 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 first quarter of 2022, 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
1,679,751	1,599,310	4,843,980	1,711,894	290,638,793	0.95	182	173	1.02

Data reflects 12 months ending 03/31/2022.

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 Benchmark and Standard; CAIDI is above its Benchmark and Standard; SAIDI is above its Benchmark and below its Standard. Benchmarks and Standards were established on May 7, 2004. No Benchmark or Standard was established for MAIFI. Extended service restoration times caused by storms during the last twelve months, including the remnants of Hurricane Ida, led to high CAIDI and SAIDI.

The following table shows PECO’s reliability index values excluding the interruptions that occurred during the Hurricane Ida remnants. Apart from the effects of Ida, SAIFI and SAIDI would be under their respective Benchmarks and Standards, while CAIDI would be slightly below its Standard and above its Benchmark. Rolling 12-month CAIDI continues to be high due to elevated storm activity in the PECO service territory.

*Reliability Index Values, Excluding Hurricane Ida Remnants**

PECO Customers	Sustained Customer Interruptions	Sustained Customer Hours	Momentary Customer Interruptions	Sustained Customer Minutes	SAIFI	CAIDI	SAIDI	MAIFI
1,679,751	1,437,281	3,179,418	1,581,388	190,765,054	0.86	133	114	0.94

Data reflects 12 months ending 03/31/2022.

* PECO's service territory was substantially affected by remnants of Hurricane Ida in the 3rd Quarter 2021, which caused downed tree limbs on power lines, tornados, and flooding which interrupted electric service to 164,989 customers (9.85% of PECO customers). Exclusion of the Hurricane Ida event was not requested; however, reliability index values were reported in the 3rd quarter report both with and without the impacts of Ida. PECO is presenting reliability index values in this 1st quarter report in a similar manner.

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 March 31, 2022					
Cause	Service Outages	% of Service Outages	Customer Interruptions	% of Customer Interruptions	Customer Minutes
Animal	1,183	8.7%	35,692	2.2%	2,288,566
Contact/Dig-In	175	1.3%	24,309	1.5%	2,064,434
Equipment Failure	5,079	37.5%	533,025	33.3%	55,855,284
Lightning	483	3.6%	54,206	3.4%	8,869,328
Other	572	4.2%	82,048	5.1%	14,114,876
T&S	21	0.2%	85,039	5.3%	44,398,672
Unknown	523	3.9%	69,271	4.3%	5,778,105
Vegetation-Broken/Uprooted	4,472	33.0%	592,364	37.0%	139,264,459
Vegetation-Ingrowth	589	4.3%	49,683	3.1%	11,692,338
Vehicles	462	3.4%	73,673	4.6%	6,312,732

*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 (33.0% of all customer interruptions), as opposed to ingrowth (4.3% 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. Note that Hurricane Ida remnants caused an increase in nearly all categories of customer interruption causes, particularly in vegetation events. (See table below for an outage cause breakdown without interruptions from Hurricane Ida remnants.)

*Outage Causes, Excluding Hurricane Ida Remnants**

12 Months Ending March 31, 2022					
Cause	Service Outages	% of Service Outages	Customer Interruptions	% of Customer Interruptions	Customer Minutes
Animal	1,175	9.2%	35,692	2.5%	2,288,566
Contact/Dig-In	175	1.4%	24,309	1.7%	2,064,434
Equipment Failure	4,912	38.6%	504,386	35.1%	45,431,592
Lightning	460	3.6%	48,114	3.3%	5,475,062
Other	445	3.5%	81,338	5.7%	13,633,050
T&S	18	0.1%	48,789	3.4%	23,194,692
Unknown	457	3.6%	66,449	4.6%	4,217,575
Vegetation-Broken/Uprooted	4,107	32.2%	510,779	35.5%	80,064,851
Vegetation-Ingrowth	529	4.2%	45,172	3.1%	8,113,677
Vehicles	459	3.6%	72,253	5.0%	6,281,556

* PECO's service territory was substantially affected by remnants of Hurricane Ida in the 3rd Quarter 2021, which caused downed tree limbs on power lines, tornados, and flooding which interrupted electric service to 164,989 customers (9.85% of PECO customers). Exclusion of the Hurricane Ida event was not requested; however, outage cause information was reported in the 3rd quarter report both with and without the impacts of Ida. PECO is presenting outage cause data in this 1st quarter report in a similar manner.

Section 57.195(e)(6). *“Quarterly and year to date information on progress toward meeting transmission and distribution inspection and maintenance goals /objectives” (For First, Second and Third Quarter reports only).”*

Predictive and Preventive Maintenance Program – status as of 3/31/2022					
	1 st Quarter Tasks		YTD Tasks		2022 Total Planned
	Planned	Complete	Planned	Complete	
Recloser Inspections (Number of reclosers inspected)	60	218	60	218	407
Circuit Patrol & Thermography (Number of circuits patrolled)	202	297	202	297	970
Pole Inspections (Number of poles visually inspected)	6,900	10,061	6,900	10,061	34,000
Padmount Transformers (Number of transformers visually inspected)	1,600	3,226	1,600	3,226	6,666
Below Ground Transformers (Number of transformers visually inspected)	363	470	363	470	1,234
Substations (Number of substations inspections performed (e.g., visual inspection, reading of currents, voltages, temperature etc.) for a variety of substation components)	338	345	338	345	1,360
Unit Substations (Number of unit substations inspections performed (e.g., visual inspection, reading of currents, voltages, temperature etc.) for a variety of substation components)	708	725	708	725	2,830

Vegetation Management Preventive Maintenance Program – status as of 3/31/22					
	1 st Quarter Miles		YTD Miles		2022 Total Planned
	Planned	Complete	Planned	Complete	
Distribution Lift and Manual Trimming	599	922	599	922	2,396
Transmission Trimming and Removals	43	44	43	44	193

Section 57.195(e)(7). *“Quarterly and year-to-date information on budgeted versus actual transmission and distribution operation and maintenance expenditures in total and detailed by the EDC’S own functional account code or FERC account code as available.” (For first, second and third quarter reports only.)*

\$Millions	Budgeted 1 st Quarter	Actual 1 st Quarter	Budgeted Year-to-Date	Actual Year-to-Date
New Business Connections	\$0.9	\$1.9	\$0.9	\$1.9
Capacity Expansion	\$0.1	\$0.1	\$0.1	\$0.1
System Performance	\$21.5	\$20.7	\$21.5	\$20.7
Facility Relocation	\$0.2	\$0.1	\$0.2	\$0.1
Maintenance	\$50.4	\$51.8	\$50.4	\$51.8
Total	\$73.0	\$74.6	\$73.0	\$74.6

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

\$Millions	Budgeted 1 st Quarter	Actual 1 st Quarter	Budgeted Year-to-Date	Actual Year-to-Date
New Business Connections	\$17.7	\$17.2	\$17.7	\$17.2
Capacity Expansion	\$5.1	\$6.5	\$5.1	\$6.5
System Performance	\$98.9	\$118.9	\$98.9	\$118.9
Facility Relocation	\$3.1	\$1.7	\$3.1	\$1.7
Maintenance	\$38.6	\$42.9	\$38.6	\$42.9
Total	\$163.4	\$187.2	\$163.4	\$187.2

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

PECO’s full-time trade staff as of March 31, 2022 was as follows:

Aerial Lineman	407
Underground Lineman (Include UTS)	77
Transmission / Substation Mechanics, Operators	102
Energy Technicians	84
Aerial Foreman	74
Underground Foreman	17
Transmission / Substation Foreman	47
ET Foreman	8
Total	816

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_002	514	1.02	156	159	1.01	524	1365	520
BALA_039	444	0.00	0	0	0.00	0	0	0
BALA_134	4	0.00	0	0	0.00	0	0	0
BALA_135	1103	1.56	84	132	0.68	1726	2422	752
BIG_OAK_001	526	0.41	120	49	2.05	214	428	1076
BIG_OAK_002	786	0.07	1126	76	0.96	53	995	757
BIRCH_000	292	0.85	181	154	4.08	249	749	1190
BLUE_GRASS_132	2130	1.54	84	129	0.37	3275	4566	793
BLUE_GRASS_139	1293	7.42	66	488	1.46	9590	10521	1883
BLUE_GRASS_144	1127	2.73	51	140	1.72	3082	2630	1934
BOYD_000	440	2.21	86	189	4.03	972	1387	1775
BRADFORD_346	2396	1.72	113	195	5.72	4133	7803	13707
BROOMALL_002	441	1.10	116	127	0.01	483	931	4
BRYAN_002	370	4.28	196	838	0.78	1582	5165	289
BUCKINGHAM_346	1489	1.67	167	279	2.35	2484	6934	3504
BYBERRY_162	1409	2.32	128	297	3.32	3264	6967	4683
BYBERRY_171	1004	1.92	388	746	0.62	1929	12477	627
CALLOWHILL_142	1472	0.61	57	35	0.89	905	853	1307
CALN_000	507	3.23	244	788	3.19	1636	6657	1619
CARMEL_002	485	3.54	408	1444	3.43	1717	11676	1662
CLAY_352	985	1.45	63	92	2.83	1425	1505	2792
COOPER_353	308	0.71	213	152	1.10	220	781	340
CRESCENTVILLE_138	840	3.01	48	145	0.07	2526	2033	56
CURLY_000	436	2.01	183	367	0.16	875	2669	70
DAVISVILLE_004	869	1.80	166	299	0.00	1565	4325	0
DOYLESTOWN_001	338	4.88	61	299	2.85	1649	1682	962
EDGELY_001	675	1.04	12	12	2.01	703	140	1356
ELLIS_002	543	2.16	136	294	2.16	1172	2661	1171
ELLWOOD_001	809	1.01	48	49	0.00	818	658	0
EMILIE_134	1027	0.99	69	68	0.01	1021	1166	8
EUREKA_001	199	0.10	446	43	2.00	19	141	398
FAIR_004	390	1.28	105	134	2.37	499	873	926
FALLS_341	1087	3.14	344	1082	3.59	3418	19599	3902
FALLS_342	58	0.28	518	143	0.98	16	138	57
FERRY_001	302	0.94	82	77	2.15	283	386	650
FLINT_132	1266	0.57	107	61	0.45	716	1283	575
FLINT_143	528	0.57	96	54	0.53	299	476	279
FORREST_002	1228	1.55	64	100	0.45	1907	2042	555
GAP_000	682	4.55	60	274	0.32	3103	3119	216
GERMANTOWN_014	584	0.02	1151	18	0.00	9	173	0
GLADWYNE_001	184	5.51	226	1243	3.02	1013	3813	555
GOLF_002	391	1.77	54	95	1.57	694	622	615
GOSHEN_351	2030	1.85	84	155	1.06	3756	5252	2153
GROVE_000	611	2.15	63	136	5.02	1312	1387	3065
HANOVER_001	1058	2.92	84	244	0.00	3092	4310	0
HARMONY_003	454	3.97	116	460	4.55	1801	3481	2064
HARVEY_002	667	3.04	54	166	1.00	2030	1840	668
HEARTWOOD_001	582	2.18	81	176	1.03	1266	1708	597

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
HUNTING_PARK_046	812	0.24	78	19	0.09	197	256	77
HUNTING_PARK_047	1113	0.43	65	28	0.00	480	523	0
JENKINTOWN_130	438	2.11	605	1275	0.43	924	9310	190
JENKINTOWN_143	1498	3.38	270	912	3.34	5061	22772	5008
JORDAN_004	312	0.01	313	2	1.06	2	10	330
KAOLIN_003	230	1.04	62	65	4.19	240	249	964
KELLER_000	393	0.04	920	33	4.04	14	215	1587
KENNETT_SQUAR_003	628	1.94	175	338	2.00	1216	3540	1259
KENNETT_SQUAR_005	305	2.49	50	123	2.73	758	627	834
KEYSTONE_033	1005	0.57	91	52	0.37	577	879	372
LANDENBERG_000	544	4.12	255	1049	5.13	2241	9508	2792
LEDERACH_003	259	2.05	66	136	1.97	531	585	510
LENAPE_000	437	1.37	222	304	4.87	597	2212	2128
LENAPE_344	2047	0.48	38	18	1.23	981	622	2511
LEOPARD_002	Retired	Retired	Retired	Retired	Retired	Retired	Retired	Retired
LEOPARD_004	144	0.17	382	64	1.02	24	153	147
LEWIS_001	573	3.52	114	400	2.15	2018	3818	1231
LINE_116_00BM	639	2.85	124	355	3.52	1824	3777	2250
LINE_162_00	559	1.85	173	321	1.14	1036	2987	640
LINE_2235	2224	0.99	292	289	0.73	2198	10709	1616
LINE_2381	1000	3.78	82	309	0.42	3777	5157	421
LINE_2389	525	6.89	74	508	0.01	3615	4441	4
LINE_2787	2819	0.60	58	35	1.44	1691	1639	4056
LINE_4100PB	2295	1.31	99	130	0.62	3002	4966	1415
LINE_708	1690	0.09	127	12	0.00	160	337	0
LINE_7200WH	227	2.99	208	622	0.00	678	2352	1
LINE_734	174	0.16	738	119	0.03	28	344	6
LLANERCH_141	1355	3.49	35	122	1.44	4733	2746	1957
MALVERN_003	217	3.21	174	560	0.07	697	2024	16
MANOR_002	418	6.16	66	406	12.26	2576	2830	5124
MARSHALLTON_001	749	3.29	98	323	3.01	2463	4034	2255
MIDDLETOWN_132	1681	1.70	59	100	2.15	2853	2807	3615
MORRISVILLE_012	802	1.17	130	152	2.00	937	2029	1607
MORWOOD_000	680	4.62	400	1846	5.06	3139	20922	3440
NEWLINVILLE_341	2341	2.87	61	173	5.20	6709	6768	12165
NEWLINVILLE_344	2650	1.40	98	137	3.11	3706	6040	8251
NEWLINVILLE_354	642	2.21	89	196	3.07	4611	6831	6412
NEWTOWN_SQUAR_144	1512	1.37	71	97	1.22	2065	2453	1846
NORTH_OXFORD_002	820	1.55	324	501	0.00	1268	6841	3
NORTH_WALES_353	2532	2.26	654	1477	2.52	5718	62331	6393
PASSYUNK_138	1578	1.07	77	83	1.24	1695	2173	1956
PENCOYD_133	1256	0.49	95	47	2.56	621	983	3217
PENLLYN_001	911	2.14	809	1729	2.12	1948	26253	1933
PENNSBURY_000	299	1.50	218	327	0.00	448	1629	0
PENROSE_162	688	1.42	53	76	0.67	976	867	459
PLYMOUTH_140	1249	1.51	131	197	0.43	1886	4109	538
PLYMOUTH_160	206	1.97	751	1482	0.21	1536	19218	167
RICKERTS_001	397	0.13	86	11	2.12	51	73	840
SADSBURY_000	618	4.32	69	297	2.01	2669	3056	1240
SCHWENKSVILLE_001	538	2.29	577	1320	3.18	1231	11832	1711
SCHWENKSVILLE_002	664	3.14	586	1840	3.25	2084	20365	2161

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
SILES_004	495	1.00	69	70	0.00	497	574	0
SOLEBURY_001	481	3.52	550	1935	5.18	1691	15511	2493
SPRING_CITY_002	1113	3.73	93	346	0.41	4155	6420	454
TACONY_013	943	1.04	57	59	0.00	983	927	0
UPPER_DARBY_135	2246	0.79	218	172	1.16	1772	6426	2600
UPPER_DARBY_139	2337	1.83	38	69	2.65	4276	2691	6191
UPPER_PROVIDENCE_343	1513	1.95	383	746	1.55	2950	18808	2340
UPPER_PROVIDENCE_352	806	1.53	80	122	0.06	1236	1642	50
WARMINSTER_132	1216	0.11	824	90	0.00	133	1827	0
WAYNE_142	829	4.14	65	267	0.01	3430	3689	10
WAYNE_143	731	1.66	115	191	2.39	1215	2327	1745
WEST_OAK_LANE_009	604	2.36	132	311	0.00	1425	3130	0
WESTOVER_000	639	1.11	372	413	0.10	710	4398	61
WILLOWDALE_002	451	0.70	265	184	7.15	314	1385	3225
WOODBOURNE_343	873	0.74	145	108	1.09	650	1566	949

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

Appendix B

Remedial efforts taken and planned for 5% worst performing circuits as of 03/31/22

ABINGTON_002

Montgomery County

Completed:

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera

BALA_039

Delaware County

Planned:

Inspect circuit visually and with thermographic camera

BALA_134

Philadelphia County

Completed:

Complete corrective reliability work orders

Planned:

Complete corrective reliability work orders

BALA_135

Delaware County

Completed:

Install cut-out mounted recloser
Remedial efforts completed

BIG_OAK_001

Bucks County

Completed:

Complete corrective reliability work orders
Upgrade transformer

Planned:

Inspect circuit visually and with thermographic camera

BIG_OAK_002

Bucks County

Completed:

Complete corrective reliability work orders
Install animal protection
Upgrade fusing

Planned:

Inspect circuit visually and with thermographic camera
Upgrade insulators

BIRCH_000

Bucks County

Completed:

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

Planned:

Perform regularly scheduled tree clearance

BLUE_GRASS_132

Philadelphia County

Completed:

Complete corrective reliability work orders

Planned:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

BLUE_GRASS_139

Philadelphia County

Completed:

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera

BLUE_GRASS_144

Philadelphia County

Completed:

Complete corrective reliability work orders

Planned:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

BOYD_000

Chester County

Completed:

Complete corrective reliability work orders

Install animal protection

Planned:

Inspect circuit visually and with thermographic camera

BRADFORD_346

Chester County

Completed:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

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

Planned:

Perform regularly scheduled tree clearance

BROOMALL_002

Delaware County

Completed:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

Install new fusing

Planned:

Perform regularly scheduled tree clearance

BRYAN_002

York County

Completed:

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera

BUCKINGHAM_346

Bucks County

Completed:

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

Planned:

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

BYBERRY_162

Bucks County

Completed:

Perform regularly scheduled tree clearance

Planned:

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

BYBERRY_171

Bucks County

Completed:

Complete corrective reliability work orders
Perform regularly scheduled tree clearance

Planned:

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

CALLOWHILL_142

Philadelphia County

Completed:

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera

CALN_000

Chester County

Planned:

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

CARMEL_002

Montgomery County

Planned:

Inspect circuit visually and with thermographic camera

CLAY_352

Chester County

Completed:

Upgrade fusing

Planned:

Inspect circuit visually and with thermographic camera

COOPER_353

York County

Completed:

Inspect selected areas of circuit for vegetation issues and correct as needed
Install cut-out mounted recloser

Planned:

Inspect circuit visually and with thermographic camera

CRESCENTVILLE_138*Philadelphia County***Planned:**

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

CURLY_000*Bucks County***Completed:**

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

Planned:

- Perform regularly scheduled tree clearance

DAVISVILLE_004*Montgomery County***Completed:**

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

Planned:

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

DOYLESTOWN_001*Bucks County***Planned:**

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

EDGELY_001*Bucks County***Completed:**

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

Planned:

- Inspect circuit visually and with thermographic camera

ELLIS_002*Chester County***Completed:**

- Install tree resistant wire

Planned:

- Inspect circuit visually and with thermographic camera

ELLWOOD_001*Bucks County***Planned:**

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

EMILIE_134*Bucks County***Completed:**

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

Planned:

Inspect circuit visually and with thermographic camera

EUREKA_001

Bucks County

Completed:

Complete corrective reliability work orders

Upgrade transformer

Planned:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

FAIR_004

Montgomery County

Completed:

Complete corrective reliability work orders

Upgrade transformer

Planned:

Inspect circuit visually and with thermographic camera

Perform regularly scheduled tree clearance

FALLS_341

Bucks County

Completed:

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera

FALLS_342

Bucks County

Completed:

Complete corrective reliability work orders

Planned:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

FERRY_001

Philadelphia County

Completed:

Complete corrective reliability work orders

Planned:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

FLINT_132

Montgomery County

Completed:

Complete corrective reliability work orders

Upgrade fusing

Planned:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

FLINT_143

Montgomery County

Completed:

- Complete corrective reliability work orders
- Install animal protection

Planned:

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

FORREST_002

Montgomery County

Planned:

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

GAP_000

Chester County

Completed:

- Install cut-out mounted recloser

Planned:

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

GERMANTOWN_014

Philadelphia 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 insulators

Planned:

- Install new fusing

GLADWYNE_001

Delaware County

Completed:

- Inspect circuit visually and with thermographic camera

Planned:

- Perform regularly scheduled tree clearance

GOLF_002

Chester County

Completed:

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

GOSHEN_351

Chester County

Completed:

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

Planned:

- Inspect circuit visually and with thermographic camera

GROVE_000*Chester County***Completed:**

- Complete corrective reliability work orders
- Perform regularly scheduled tree clearance

Planned:

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

HANOVER_001*Montgomery County***Completed:**

- Complete corrective reliability work orders

Planned:

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

HARMONY_003*Chester County***Completed:**

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

Planned:

- Install cut-out mounted recloser

HARVEY_002*Delaware County***Completed:**

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

Planned:

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

HEARTWOOD_001*Bucks County***Completed:**

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

Planned:

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

HUNTING_PARK_046*Philadelphia County***Completed:**

- Complete corrective reliability work orders
- Perform regularly scheduled tree clearance

Planned:

- Inspect circuit visually and with thermographic camera
- Upgrade secondary

HUNTING_PARK_047*Philadelphia County***Completed:**

Perform regularly scheduled tree clearance

Planned:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

JENKINTOWN_130*Montgomery County***Completed:**

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera

JENKINTOWN_143*Montgomery County***Completed:**

Complete corrective reliability work orders

Planned:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

Install new reclosers

Install tree resistant wire

JORDAN_004*Bucks County***Completed:**

Complete corrective reliability work orders

Upgrade secondary

Upgrade transformer

Planned:

Inspect circuit visually and with thermographic camera

KAOLIN_003*Chester County***Planned:**

Inspect circuit visually and with thermographic camera

KELLER_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

Install animal protection

Planned:

Perform regularly scheduled tree clearance

KENNETT_SQUAR_003*Chester County***Planned:**

Inspect circuit visually and with thermographic camera

KENNETT_SQUAR_005*Chester County*

Planned:

Inspect circuit visually and with thermographic camera

KEYSTONE_033

Philadelphia County

Planned:

Inspect circuit visually and with thermographic camera

LANDENBERG_000

Chester County

Completed:

Inspect circuit visually and with thermographic camera
Remedial efforts completed

LEDERACH_003

Montgomery County

Completed:

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

Planned:

Inspect circuit visually and with thermographic camera

LENAPE_000

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

LENAPE_344

Chester County

Planned:

Inspect circuit visually and with thermographic camera

LEOPARD_002

Chester County

Completed:

Circuit retired

LEOPARD_004

Chester County

Planned:

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

LEWIS_001

Montgomery County

Completed:

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

Planned:

Inspect circuit visually and with thermographic camera

LINE_116_00BM

Delaware County

Planned:

Inspect circuit visually and with thermographic camera
Install express main
Perform regularly scheduled tree clearance

LINE_162_00

Delaware County

Completed:

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

Planned:

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

LINE_2235

Montgomery County

Completed:

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

Planned:

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

LINE_2381

Philadelphia County

Completed:

Install animal protection

Planned:

Inspect circuit visually and with thermographic camera

LINE_2389

Philadelphia County

Completed:

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

Planned:

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

LINE_2787

Philadelphia County

Planned:

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

LINE_4100PB

Chester County

Planned:

Inspect circuit visually and with thermographic camera

LINE_708

Philadelphia County

Completed:

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

Planned:

Inspect circuit visually and with thermographic camera

LINE_7200WH

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

LINE_734

Philadelphia County

Completed:

Complete corrective reliability work orders

Planned:

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

LLANERCH_141

Delaware County

Completed:

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

Planned:

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

MALVERN_003

Chester County

Planned:

Inspect circuit visually and with thermographic camera
Install tree resistant wire

MANOR_002

Chester County

Completed:

Complete corrective reliability work orders

Planned:

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

MARSHALLTON_001

Chester County

Completed:

Inspect circuit visually and with thermographic camera
Upgrade fusing

Planned:

Perform regularly scheduled tree clearance

MIDDLETOWN_132

Delaware County

Completed:

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

Planned:

Inspect circuit visually and with thermographic camera

MORRISVILLE_012

Bucks County

Completed:

Upgrade transformer

Planned:

Inspect circuit visually and with thermographic camera

MORWOOD_000

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 fusing

Remedial efforts completed

NEWLINVILLE_341

Chester County

Planned:

Inspect circuit visually and with thermographic camera

Perform regularly scheduled tree clearance

NEWLINVILLE_344

Chester County

Planned:

Inspect circuit visually and with thermographic camera

Perform regularly scheduled tree clearance

NEWLINVILLE_354

Chester County

Planned:

Inspect circuit visually and with thermographic camera

Install tree resistant wire

Perform regularly scheduled tree clearance

NEWTOWN_SQUAR_144

Delaware County

Completed:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

Install animal protection

Planned:

Complete corrective reliability work orders

Perform regularly scheduled tree clearance

NORTH_OXFORD_002

Chester County

Planned:

Inspect circuit visually and with thermographic camera

NORTH_WALES_353

Montgomery County

Completed:

Inspect circuit visually and with thermographic camera

Remedial efforts completed

PASSYUNK_138

Philadelphia County

Completed:

- Complete corrective reliability work orders
- Install animal protection
- Upgrade transformer

Planned:

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

PENCOYD_133

Delaware County

Planned:

- Inspect circuit visually and with thermographic camera

PENLLYN_001

Montgomery County

Completed:

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

Planned:

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

PENNSBURY_000

Chester County

Completed:

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

PENROSE_162

Philadelphia County

Planned:

- Inspect circuit visually and with thermographic camera

PLYMOUTH_140

Montgomery County

Completed:

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

PLYMOUTH_160

Montgomery County

Completed:

- Complete corrective reliability work orders
- Upgrade fusing

Planned:

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

RICKERTS_001

Bucks County

Completed:

Inspect circuit visually and with thermographic camera

Planned:

Perform regularly scheduled tree clearance

SADSBURY_000

Chester County

Planned:

Inspect circuit visually and with thermographic camera

Perform regularly scheduled tree clearance

SCHWENKSVILLE_001

Montgomery County

Planned:

Inspect circuit visually and with thermographic camera

SCHWENKSVILLE_002

Montgomery County

Completed:

Complete corrective reliability work orders

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

Upgrade fusing

Upgrade transformer

Planned:

Inspect circuit visually and with thermographic camera

SILES_004

Bucks County

Completed:

Complete corrective reliability work orders

Upgrade transformer

Planned:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

SOLEBURY_001

Bucks County

Planned:

Inspect circuit visually and with thermographic camera

Perform regularly scheduled tree clearance

SPRING_CITY_002

Chester County

Planned:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

TACONY_013

Philadelphia County

Completed:

Complete corrective reliability work orders

Install animal protection

Planned:

Inspect circuit visually and with thermographic camera

Upgrade fusing

UPPER_DARBY_135

Delaware County

Completed:

- Complete corrective reliability work orders
- Install animal protection

Planned:

- Inspect circuit visually and with thermographic camera
- Install animal protection

UPPER_DARBY_139

Delaware County

Completed:

- Complete corrective reliability work orders

Planned:

- Inspect circuit visually and with thermographic camera

UPPER_PROVIDENCE_343

Montgomery County

Planned:

- Inspect circuit visually and with thermographic camera

UPPER_PROVIDENCE_352

Montgomery County

Planned:

- Inspect circuit visually and with thermographic camera

WARMINSTER_132

Bucks County

Completed:

- Complete corrective reliability work orders

Planned:

- Inspect circuit visually and with thermographic camera

WAYNE_142

Delaware County

Completed:

- Complete corrective reliability work orders

Planned:

- Inspect circuit visually and with thermographic camera

WAYNE_143

Delaware County

Planned:

- Inspect circuit visually and with thermographic camera
- Install tree resistant wire

WESTOVER_000

Montgomery County

Completed:

- Complete corrective reliability work orders

Planned:

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

WEST_OAK_LANE_009

Philadelphia County

Completed:

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

Planned:

Complete corrective reliability work orders
Upgrade fusing

WILLOWDALE_002

Chester County

Completed:

Perform regularly scheduled tree clearance

Planned:

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

WOODBOURNE_343

Bucks County

Planned:

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

Appendix C

New Business Connections

This work category includes all the facility work required to add a new customer or to increase the load to an existing customer. The facility work will include the facilities required to directly connect the customer to the system and the upgrade/replacement of any existing facility to serve the requested additional load.

Capacity Expansion

This work category includes only capacity work generated by the system design engineer to prevent system failure and to assure the delivery of voltage as specified in the tariff. The addition of new substations and substation enlargements for future load growth will also be included in this project.

System Performance

This work category includes projects designed to upgrade, modify or improve the performance of the distribution system. Also included in this category are indirect costs in support of all categories and one-time accounting adjustment items.

Facility Relocation

This work category includes all requests for relocation of PECO facilities including municipal as well as customer related relocation requests.

Maintenance

This work category includes work performed to repair and restore equipment to its normal state of operation, along with planned preventive maintenance work such as visual and thermographic inspections and tree trimming around transmission and distribution lines.

Storm Funds

Incremental costs (primarily; overtime, contractors, mutual assistance, and meals) incurred while responding to major storms (storms that meet customer outage and duration criteria).