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April 30, 2021

VIA E-FILING ONLY

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

Re: PECO 2021 First Quarter Reliability Report PUC Docket No. M-2016-2522508

Dear Secretary Chiavetta:

Enclosed is PECO's 2021 Quarterly Reliability Report for the period ending March 31, 2021 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 ongoing COVID-19 pandemic, PECO's office personnel are working remotely. Accordingly, PECO will not have its usual access to photocopying and U.S. mail, among other services. PECO requests that all communications with PECO be transmitted by email.

Thank you for your assistance in this matter and please direct any questions regarding the above to Richard Schlesinger, Manager, Retail Rates at (215) 841-5771 or via email: rich.schlesinger@peco-energy.com.

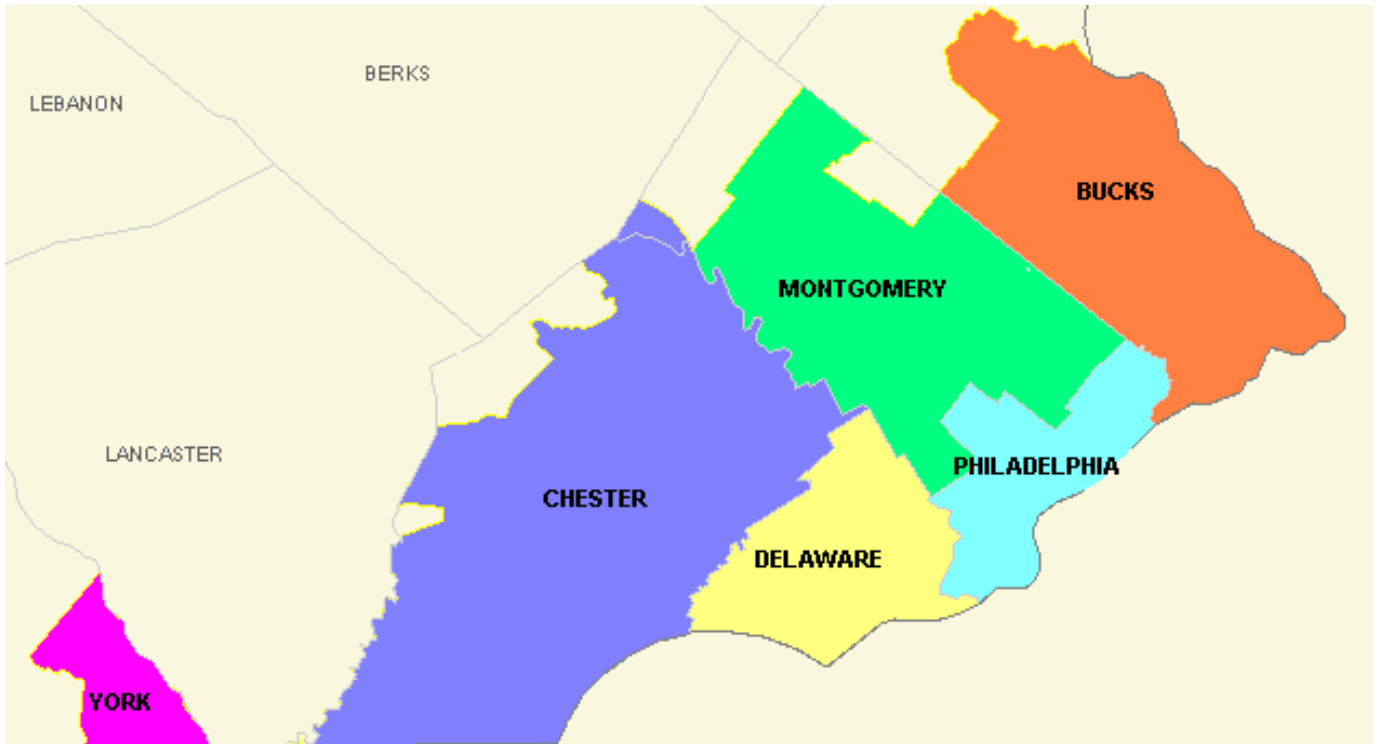
Sincerely,



Enclosure

Cc: John Van Zant (via email only)
Dan Searfoorce (via email only)

PECO Energy Company Quarterly Reliability Report For Period Ending March 31, 2021



April 30, 2021

PECO Energy (“PECO”)

Quarterly Reliability Report for the Period Ending March 31, 2021 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 first quarter of 2021.

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
1,674,043	1,487,320	3,379,617	1,402,423	202,277,031	0.89	136	121	0.84

Data reflects 12 months ending 03/31/2021.

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

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, 2021					
Cause	Service Outages	% of Service Outages	Customer Interruptions	% of Customer Interruptions	Customer Minutes
Animal	1,271	9.3%	37,043	2.5%	2,419,399
Contact/Dig-In	127	0.9%	10,246	0.7%	861,966
Equipment Failure	5,474	40.0%	525,841	35.4%	57,709,280
Lightning	219	1.6%	29,895	2.0%	3,888,181
Other	643	4.7%	82,056	5.5%	7,573,298
T&S	20	0.1%	48,805	3.3%	1,740,889
Unknown	447	3.3%	53,102	3.6%	7,395,972
Vegetation-Broken/Uprooted	4,353	31.8%	587,054	39.5%	106,534,648
Vegetation-Ingrowth	760	5.6%	55,007	3.7%	9,266,425
Vehicles	369	2.7%	58,271	3.9%	5,386,975

*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 (39.5% of all customer interruptions), as opposed to ingrowth (3.7% of all outage customer interruptions). PECO continues to address ash tree failures caused by emerald ash borers (invasive insects that cause ash tree deaths) with a vegetation management program to mitigate the threat to its facilities and customer reliability.

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

Predictive and Preventive Maintenance Program – status as of 3/31/2021					
	1 st Quarter Tasks		YTD Tasks		2021 Total Planned
	Planned	Complete	Planned	Complete	
Recloser Inspections (Number of reclosers inspected)	59	168	59	168	246
Circuit Patrol & Thermography (Number of circuits patrolled)	400	569	400	569	976
Pole Inspections (Number of poles visually inspected)	3,162	0	3,162	0	34,695
Padmount Transformers (Number of transformers visually inspected)	1,674	2,392	1,674	2,392	6,718
Below Ground Transformers (Number of transformers visually inspected)	550	254	550	254	1,563
Substations (Number of substations inspections performed (e.g. visual inspection, reading of currents, voltages, temperature etc.) for a variety of substation components)	339	348	339	348	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)	741	758	741	758	2,960

Vegetation Management Preventive Maintenance Program – status as of 3/31/21					
	1 st Quarter Miles		YTD Miles		2021 Total Planned
	Planned	Complete	Planned	Complete	
Distribution Lift and Manual Trimming	576	352	576	352	2,304
Transmission Trimming and Removals	54	50	54	50	202

PECO is executing a plan to complete all vegetation distribution lift and manual trimming and transmission trimming and removals scheduled for 2021 by the end of the year.

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	\$1.2	\$0.9	\$1.2
Capacity Expansion	\$0.1	\$0.3	\$0.1	\$0.3
System Performance	\$15.9	\$13.3	\$15.9	\$13.3
Facility Relocation	\$0.2	\$0.1	\$0.2	\$0.1
Maintenance	\$52.1	\$55.3	\$52.1	\$55.3
Total	\$69.3	\$70.2	\$69.3	\$70.2

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	\$19.3	\$16.1	\$19.3	\$16.1
Capacity Expansion	\$15.9	\$14.3	\$15.9	\$14.3
System Performance	\$94.9	\$95.9	\$94.9	\$95.9
Facility Relocation	\$3.8	\$2.4	\$3.8	\$2.4
Maintenance	\$40.3	\$41.3	\$40.3	\$41.3
Total	\$174.2	\$170.0	\$174.2	\$170.0

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, 2021 was as follows:

Aerial Lineman	400
Underground Lineman (Include UTS)	63
Transmission / Substation Mechanics, Operators	110
Energy Technicians	81
Aerial Foreman	76
Underground Foreman	17
Transmission / Substation Foreman	33
ET Foreman	8
Total	788

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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
AIRY_133	1,966.	3.12	39	121	0.16	6,125.	3,961	307.
AQUE_000	229.	6.25	170	1,063	1.93	1,432.	4,057	443.
AVONDALE_002	157.	2.18	565	1,230	3.07	342.	3,218	482.
BACTON_000	236.	1.24	913	1,130	2.17	292.	4,444	512.
BALA_038	303.	1.99	158	314	0.06	603.	1,587	19.
BELLEVUE_002	614.	5.28	181	954	0.07	3,242.	9,762	40.
BLUE_GRASS_133	1,120.	1.71	65	110	2.27	1,913.	2,059	2,538.
BOOT_JACK_000	638.	4.86	192	931	3.21	3,099.	9,904	2,048.
BRADFORD_341	1,329.	2.34	149	347	1.41	3,107.	7,693	1,872.
BRADFORD_351	916.	2.43	253	614	2.85	2,226.	9,373	2,611.
BRADFORD_352	1,019.	2.37	215	509	3.91	2,412.	8,644	3,987.
BRADFORD_353	1,988.	1.67	53	89	2.29	3,323.	2,947	4,556.
BRYN_MAWR_134	429.	0.95	598	566	0.43	406.	4,049	184.
BUCKINGHAM_353	2,042.	1.30	164	213	1.09	2,661.	7,258	2,224.
BUCKINGHAM_362	3,305.	3.69	52	191	2.33	12,185.	10,535	7,685.
BYBERRY_137	1,825.	0.69	98	67	1.63	1,254.	2,039	2,969.
BYBERRY_176	171.	0.39	58	23	0.01	67.	65	1.
BYBERRY_184	989.	0.08	531	41	0.00	76.	672	1.
CALLOWHILL_134	1,558.	0.16	15	2	0.31	254.	64	479.
CARMEL_003	831.	1.94	96	186	0.51	1,608.	2,573	420.
CARMEL_004	568.	2.28	106	241	1.82	1,296.	2,285	1,031.
CEDARBROOK_132	674.	0.80	154	124	0.01	542.	1,388	4.
CHALFONT_001	534.	3.60	222	801	2.21	1,924.	7,131	1,180.
CHALFONT_004	288.	1.94	544	1,056	0.04	559.	5,069	12.
CLAY_341	821.	1.76	306	537	2.57	1,442.	7,350	2,108.
CLAY_342	1,952.	3.51	79	279	3.05	6,855.	9,073	5,953.
CLAY_343	1,053.	1.70	326	553	4.50	1,788.	9,707	4,740.
CORNOG_002	309.	3.09	57	176	2.00	956.	907	619.
COUNTY_LINE_002	484.	0.04	188	7	0.03	17.	53	15.
COUNTY_LINE_006	518.	0.31	161	49	0.02	158.	424	8.
DALEVILLE_341	1,589.	1.73	216	375	4.67	2,752.	9,926	7,418.
DANBORO_000	573.	4.20	34	142	2.05	2,409.	1,355	1,172.
DILTOWN_002	238.	1.67	818	1,364	0.16	397.	5,410	38.
DOWNTOWN_003	958.	4.03	137	551	1.02	3,864.	8,795	976.
DOWNTOWN_004	778.	0.36	177	64	2.13	281.	827	1,659.
EAGLE_353	2,246.	1.69	142	240	1.66	3,804.	9,002	3,719.
ELLIS_001	714.	0.60	466	280	0.97	429.	3,335	695.
FALLS_011	294.	4.15	263	1,089	2.12	1,219.	5,336	622.
GARDENVILLE_000	307.	11.09	95	1,052	4.11	3,406.	5,382	1,263.
GERMANTOWN_008	875.	1.03	114	117	0.15	898.	1,710	129.
GERMANTOWN_022	583.	2.07	46	95	0.00	1,207.	922	0.
GERMANTOWN_023	1,036.	2.14	139	296	0.00	2,214.	5,117	0.
GLADWYNE_132	517.	3.07	346	1,064	7.42	1,589.	9,164	3,838.
GRAVEL_002	442.	0.10	81	8	0.06	42.	57	27.
HAGYS_001	271.	3.24	106	343	0.00	878.	1,549	0.
HARVEY_001	368.	2.11	575	1,214	1.38	777.	7,446	509.
HEARTWOOD_003	524.	2.99	62	184	4.76	1,566.	1,608	2,494.
HEARTWOOD_007	512.	2.11	211	444	3.00	1,078.	3,789	1,535.
HEATON_166	821.	1.79	58	104	3.94	1,472.	1,423	3,233.

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_167	782.	0.72	89	64	0.47	561.	829	370.
HEATON_169	1,464.	1.19	78	93	0.36	1,740.	2,274	533.
JARRETT_141	1,470.	1.39	90	125	1.45	2,048.	3,058	2,127.
KAOLIN_001	126.	3.03	218	659	6.11	382.	1,385	770.
KENNETT_SQUAR_004	299.	7.14	133	948	7.97	2,134.	4,726	2,383.
KLEYONA_004	321.	2.52	181	456	0.08	808.	2,438	25.
KNOWLTON_004	640.	1.16	71	83	3.95	742.	881	2,531.
LANTERN_000	507.	2.74	119	325	0.00	1,389.	2,745	0.
LENAPE_341	1,144.	2.36	202	478	2.78	2,705.	9,123	3,179.
LENAPE_352	1,777.	2.59	258	666	3.80	4,594.	19,730	6,751.
LINE_161_OOCO	1,258.	4.85	148	719	1.37	6,097.	15,071	1,727.
LINE_175_OOCO	490.	7.67	231	1,772	4.44	3,759.	14,469	2,175.
LINE_2327	1,491.	0.77	49	38	0.00	1,153.	948	1.
LINE_2352	870.	0.06	303	19	0.00	54.	273	0.
LONGSHORE_013	590.	2.06	140	289	0.00	1,216.	2,844	0.
LYNDELL_000	198.	3.22	486	1,567	3.58	638.	5,170	709.
MAPLE_HILL_000	622.	6.02	53	321	0.00	3,742.	3,332	0.
MARSHALLTON_002	410.	4.72	161	762	1.05	1,935.	5,205	429.
MATTHEWS_000	375.	5.84	134	784	0.33	2,190.	4,898	123.
MIDDLETOWN_133	1,442.	2.01	119	240	1.62	2,905.	5,772	2,334.
MONROE_002	681.	3.48	63	220	0.02	2,369.	2,502	13.
MORRISVILLE_011	680.	3.33	295	981	1.99	2,262.	11,117	1,356.
NESHAMINY_162	809.	0.62	228	142	0.19	505.	1,917	157.
NEWLINVILLE_342	1,959.	2.76	82	226	1.62	5,416.	7,369	3,181.
NEWLINVILLE_343	3,325.	2.49	142	353	2.70	8,273.	19,549	8,985.
NEWLINVILLE_353	2,920.	2.50	216	539	3.15	7,295.	26,208	9,198.
NEWLINVILLE_362	2,709.	3.54	131	464	5.70	9,591.	20,942	15,441.
NEWTOWN_SQUAR_136	1,541.	1.32	104	137	2.88	2,028.	3,509	4,437.
NEWTOWN_SQUAR_143	1,012.	1.54	212	326	0.60	1,558.	5,495	609.
NOLAN_001	909.	2.05	29	60	1.00	1,859.	906	908.
NOLAN_004	739.	1.59	274	436	6.65	1,175.	5,374	4,911.
OAKMONT_003	227.	4.05	65	263	2.02	919.	996	458.
OAKMONT_004	349.	4.05	64	258	2.00	1,415.	1,500	698.
ORTHODOX_000	retired	retired	retired	retired	retired	retired	retired	retired
OVERBROOK_015	644.	3.41	75	256	0.00	2,197.	2,746	1.
PENCOYD_013	611.	2.02	93	188	1.07	1,233.	1,913	654.
PERKIOMEN_341	1,559.	2.53	134	339	2.24	3,943.	8,799	3,490.
PERKIOMEN_354	2,794.	0.94	106	100	0.73	2,634.	4,658	2,039.
PERKIOMEN_363	2,497.	2.51	157	394	1.51	6,268.	16,398	3,766.
PLANEBROOK_344	1,861.	5.14	209	1,075	3.74	9,562.	33,339	6,957.
PLYMOUTH_136	579.	6.79	136	923	0.12	3,931.	8,904	68.
PLYMOUTH_146	1,351.	1.89	96	181	0.99	2,556.	4,083	1,341.
PLYMOUTH_164	1,335.	0.21	181	38	0.02	281.	847	31.
PLYMOUTH_182	572.	3.89	89	345	0.46	2,223.	3,288	263.
ROXBOROUGH_136	1,117.	1.54	115	176	2.23	1,717.	3,279	2,492.
RUSHLAND_000	430.	1.07	213	227	0.02	459.	1,626	8.
STARKEY_000	391.	2.37	310	734	1.99	925.	4,785	777.
STONY_002	204.	2.58	321	828	2.14	527.	2,816	436.
STREET_000	316.	1.99	243	485	6.95	630.	2,553	2,197.
TACONY_132	2,975.	0.13	161	21	0.00	381.	1,021	0.
TREDYFFRIN_341	617.	3.36	251	844	1.00	2,071.	8,677	620.

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
TREVOSE_136	1,078.	1.18	103	122	2.48	1,277.	2,192	2,672.
TUNA_142	1,079.	0.01	434	5	0.00	13.	94	0.
WEST_OAK_LANE_007	938.	2.11	110	232	0.00	1,975.	3,627	0.
WEST_OAK_LANE_013	644.	1.17	61	71	0.82	751.	762	528.
WESTGATE_000	205.	0.49	489	241	1.95	101.	823	399.
WHITEMARSH_131	462.	0.18	383	69	0.00	83.	529	0.
WHITEMARSH_133	1,697.	0.34	104	35	0.22	569.	982	368.
WHITEMARSH_161	1,222.	2.31	111	255	1.62	2,818.	5,201	1,981.
WHITEMARSH_163	337.	2.86	87	249	2.39	963.	1,401	804.
WILLOWDALE_001	347.	5.37	315	1,694	6.24	1,865.	9,797	2,166.
WOODBOURNE_000	288.	1.05	362	381	2.07	303.	1,830	597.
WRIGHT_000	409.	1.54	81	125	1.51	628.	852	617.
YARDLEY_002	428.	2.21	49	108	2.02	944.	772	866.
YARDLEY_004	350.	0.07	1,636	122	2.00	26.	709	701.

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 03/31/21

AIRY_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

Planned:

- Complete corrective reliability work orders
- Install animal protection
- Install new fusing

AQUE_000

Bucks 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

AVONDALE_002

Chester County

Completed:

- Complete corrective reliability work orders
- Upgrade secondaries

Planned:

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

BACTON_000

Chester County

Completed:

- 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

BALA_038

Philadelphia 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

BELLEVUE_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

Planned:

Complete corrective reliability work orders
Perform regularly scheduled tree clearance

BLUE_GRASS_133

Philadelphia County

Completed:

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

Planned:

Complete corrective reliability work orders
Install animal protection

BOOT_JACK_000

Chester County

Completed:

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera

BRADFORD_341

Chester County

Completed:

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

Planned:

Inspect circuit visually and with thermographic camera

BRADFORD_351

Chester County

Completed:

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

Planned:

Inspect circuit visually and with thermographic camera

BRADFORD_352

Chester 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

BRADFORD_353

Chester County

Planned:

Inspect circuit visually and with thermographic camera

BRYN_MAWR_134

Delaware County

Completed:

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

Planned:

Inspect circuit visually and with thermographic camera

BUCKINGHAM_353

Bucks County

Planned:

Inspect circuit visually and with thermographic camera

BUCKINGHAM_362

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

BYBERRY_137

Philadelphia County

Completed:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

Planned:

Complete corrective reliability work orders

BYBERRY_176

Philadelphia County

Completed:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

Install animal protection

Remedial efforts completed

BYBERRY_184

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

CALLOWHILL_134

Philadelphia County

Completed:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

Planned:

Inspect circuit visually and with thermographic camera

CARMEL_003

Montgomery County

Completed:

Complete corrective reliability work orders

Install new recloser

Planned:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

CARMEL_004

Montgomery County

Completed:

Complete corrective reliability work orders

Planned:

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

CEDARBROOK_132

Philadelphia County

Completed:

- Complete corrective reliability work orders
- Install animal protection

Planned:

- Inspect circuit visually and with thermographic camera

CHALFONT_001

Bucks County

Completed:

- Complete corrective reliability work orders
- Inspect selected areas of circuit for vegetation issues and correct as needed
- Perform regularly scheduled tree clearance

Planned:

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

CHALFONT_004

Bucks County

Completed:

- Perform regularly scheduled tree clearance

Planned:

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

CLAY_341

Chester County

Planned:

- Inspect circuit visually and with thermographic camera

CLAY_342

Chester County

Planned:

- Inspect circuit visually and with thermographic camera

CLAY_343

Chester County

Completed:

- Install express main
- Upgrade fusing

Planned:

- Inspect circuit visually and with thermographic camera

CORNOG_002

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

COUNTY_LINE_002

Bucks County

Completed:

Inspect circuit visually and with thermographic camera

Planned:

Perform regularly scheduled tree clearance

COUNTY_LINE_006

Montgomery County

Completed:

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

DALEVILLE_341

Chester County

Planned:

Inspect circuit visually and with thermographic camera

DANBORO_000

Bucks County

Planned:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

Install tree resistant wire

DILTOWN_002

Delaware County

Completed:

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera

DOWNINGTOWN_003

Chester County

Completed:

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera

DOWNINGTOWN_004

Chester County

Completed:

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera

EAGLE_353

Chester County

Completed:

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera

Perform regularly scheduled tree clearance

ELLIS_001

Chester County

Completed:

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

Planned:

Inspect circuit visually and with thermographic camera
Install new underground direction feed
Perform regularly scheduled tree clearance

FALLS_011

Bucks 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
Install tree resistant wire
Perform regularly scheduled tree clearance

GARDENVILLE_000

Bucks County

Planned:

Inspect circuit visually and with thermographic camera

GERMANTOWN_008

Philadelphia County

Completed:

Complete corrective reliability work orders

Planned:

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

GERMANTOWN_022

Philadelphia County

Completed:

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera

GERMANTOWN_023

Philadelphia County

Completed:

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera

GLADWYNE_132

Delaware County

Completed:

Complete corrective reliability work orders

Planned:

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

GRAVEL_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
- Remedial efforts completed

HAGYS_001

Delaware County

Planned:

- Inspect circuit visually and with thermographic camera
- Install cut-out mounted recloser

HARVEY_001

Delaware County

Planned:

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

HEARTWOOD_003

Bucks County

Completed:

- Inspect circuit visually and with thermographic camera

Planned:

- Complete corrective reliability work orders

HEARTWOOD_007

Bucks County

Completed:

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

HEATON_166

Montgomery County

Planned:

- Inspect circuit visually and with thermographic camera

HEATON_167

Montgomery County

Completed:

- Complete corrective reliability work orders
- Install animal protection

Planned:

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

HEATON_169

Montgomery County

Completed:

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

Planned:

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

JARRETT_141*Montgomery County***Completed:**

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera

KAOLIN_001*Chester 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

KENNETT_SQUAR_004*Chester County***Planned:**

Inspect circuit visually and with thermographic camera

KLEYONA_004*Chester County***Completed:**

Inspect circuit visually and with thermographic camera

Planned:

Perform regularly scheduled tree clearance

KNOWLTON_004*Delaware County***Completed:**

Install cut-out mounted recloser

Planned:

Inspect circuit visually and with thermographic camera

LANTERN_000*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

LENAPE_341*Chester County***Completed:**

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

Planned:

Inspect circuit visually and with thermographic camera

Install new recloser

LENAPE_352*Chester County***Completed:**

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera

LINE_161_00CO*Chester County***Planned:**

Inspect circuit visually and with thermographic camera

LINE_175_00CO*Chester County***Completed:**

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera

LINE_2327*Philadelphia County***Completed:**

Perform regularly scheduled tree clearance

Planned:

Inspect circuit visually and with thermographic camera

Install animal protection

LINE_2352*Philadelphia County***Completed:**

Install animal protection

Planned:

Inspect circuit visually and with thermographic camera

Perform regularly scheduled tree clearance

LONGSHORE_013*Philadelphia County***Completed:**

Inspect circuit visually and with thermographic camera

Remedial efforts completed

LYNDELL_000*Chester County***Completed:**

Inspect circuit visually and with thermographic camera

Remedial efforts completed

MAPLE_HILL_000*Montgomery County***Completed:**

Complete corrective reliability work orders

Planned:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

MARSHALLTON_002*Chester County***Completed:**

Install express main

Install regulator

Planned:

Inspect circuit visually and with thermographic camera

MATTHEWS_000*Chester County***Completed:**

Inspect circuit visually and with thermographic camera

Planned:

Perform regularly scheduled tree clearance

MIDDLETOWN_133*Delaware County***Completed:**

Complete corrective reliability work orders

Install tree resistant wire

Planned:

Inspect circuit visually and with thermographic camera

MONROE_002*Delaware County***Planned:**

Inspect circuit visually and with thermographic camera

MORRISVILLE_011*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

Perform regularly scheduled tree clearance

NESHAMINY_162*Bucks County***Completed:**

Install animal protection

Planned:

Inspect circuit visually and with thermographic camera

Perform regularly scheduled tree clearance

NEWLINVILLE_342*Chester County***Completed:**

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

Remedial efforts completed

NEWLINVILLE_343*Chester County***Completed:**

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

Planned:

Install tree resistant wire

NEWLINVILLE_353*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

NEWLINVILLE_362

Chester County

Completed:

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

NEWTOWN_SQUAR_136

Delaware County

Completed:

Complete corrective reliability work orders
Install animal protection
Install cut-out mounted recloser
Remedial efforts completed

NEWTOWN_SQUAR_143

Delaware County

Completed:

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera

NOLAN_001

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

NOLAN_004

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
Perform regularly scheduled tree clearance

OAKMONT_003

Delaware County

Planned:

Inspect circuit visually and with thermographic camera

OAKMONT_004

Delaware County

Planned:

Inspect circuit visually and with thermographic camera

ORTHODOX_000

Philadelphia County

Completed:

Circuit retired

OVERBROOK_015

Philadelphia County

Planned:

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

PENCOYD_013

Philadelphia County

Completed:

Perform regularly scheduled tree clearance

Planned:

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

PERKIOMEN_341

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

Planned:

Install new recloser

PERKIOMEN_354

Montgomery County

Completed:

Inspect circuit visually and with thermographic camera
Remedial efforts completed

PERKIOMEN_363

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

PLANE BROOK_344

Chester County

Completed:

Inspect circuit visually and with thermographic camera

Planned:

Perform regularly scheduled tree clearance

PLYMOUTH_136

Montgomery County

Completed:

Complete corrective reliability work orders
Install animal protection

Planned:

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

PLYMOUTH_146*Montgomery County***Planned:**

Inspect circuit visually and with thermographic camera

PLYMOUTH_164*Montgomery County***Completed:**

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

PLYMOUTH_182*Montgomery County***Completed:**

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

Planned:

Complete corrective reliability work orders

ROXBOROUGH_136*Philadelphia County***Completed:**

Perform regularly scheduled tree clearance

Planned:

Inspect circuit visually and with thermographic camera
Install animal protection

RUSHLAND_000*Bucks County***Planned:**

Inspect circuit visually and with thermographic camera

STARKEY_000*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
Perform regularly scheduled tree clearance

STONY_002*Bucks 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

STREET_000*Chester County***Completed:**

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera

TACONY_132

Philadelphia County

Completed:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

Planned:

Complete corrective reliability work orders

TREDYFFRIN_341

Chester County

Completed:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

Remedial efforts completed

TREVOSE_136

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

Planned:

Complete corrective reliability work orders

TUNA_142

Philadelphia County

Completed:

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera

WESTGATE_000

Delaware County

Planned:

Inspect circuit visually and with thermographic camera

WEST_OAK_LANE_007

Philadelphia County

Completed:

Complete corrective reliability work orders

Planned:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

WEST_OAK_LANE_013

Philadelphia County

Planned:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

WHITEMARSH_131

Montgomery County

Planned:

Inspect circuit visually and with thermographic camera

WHITEMARSH_133

Montgomery County

Completed:

Install animal protection

Planned:

Inspect circuit visually and with thermographic camera

WHITEMARSH_161

Montgomery County

Planned:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

WHITEMARSH_163

Montgomery County

Completed:

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera

WILLOWDALE_001

Chester County

Completed:

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

Planned:

Inspect circuit visually and with thermographic camera

WOODBOURNE_000

Bucks County

Completed:

Complete corrective reliability work orders

Planned:

Complete corrective reliability work orders

Inspect circuit visually and with thermographic camera

Perform regularly scheduled tree clearance

WRIGHT_000

Bucks County

Completed:

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera

Install new reclosers

YARDLEY_002

Bucks County

Completed:

Complete corrective reliability work orders

Planned:

Inspect circuit visually and with thermographic camera

Perform regularly scheduled tree clearance

YARDLEY_004

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

Perform regularly scheduled tree clearance

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).