Brendan J. Taylor
Vice President
Regulatory Policy & Strategy

PECO
2301 Market Street
S18
Philadelphia, PA 19103

Telephone 215.841.5777
Fax 215.841.6208
www.peco.com
Brendan.Taylor@exeloncorp.com

April 30, 2026

VIA E-Filing

Matthew Homsher, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street
Harrisburg, Pennsylvania 17120

Re: PECO 2025 Annual Electric Reliability Report - PUC Docket No. M-2023-3039027

Dear Secretary Homsher :

Enclosed is PECO's 2025 Annual Reliability Report for the period ending December 31, 2025, submitted pursuant to the Electric Service Reliability Regulations at 52 Pa. Code Chapter 57.

Thank you for your assistance in this matter. Please direct any questions regarding the above to Ben Yin, Director, Regulatory Strategy and Revenue Policy, at 215-841-5463 or email at ben.yin@exeloncorp.com.

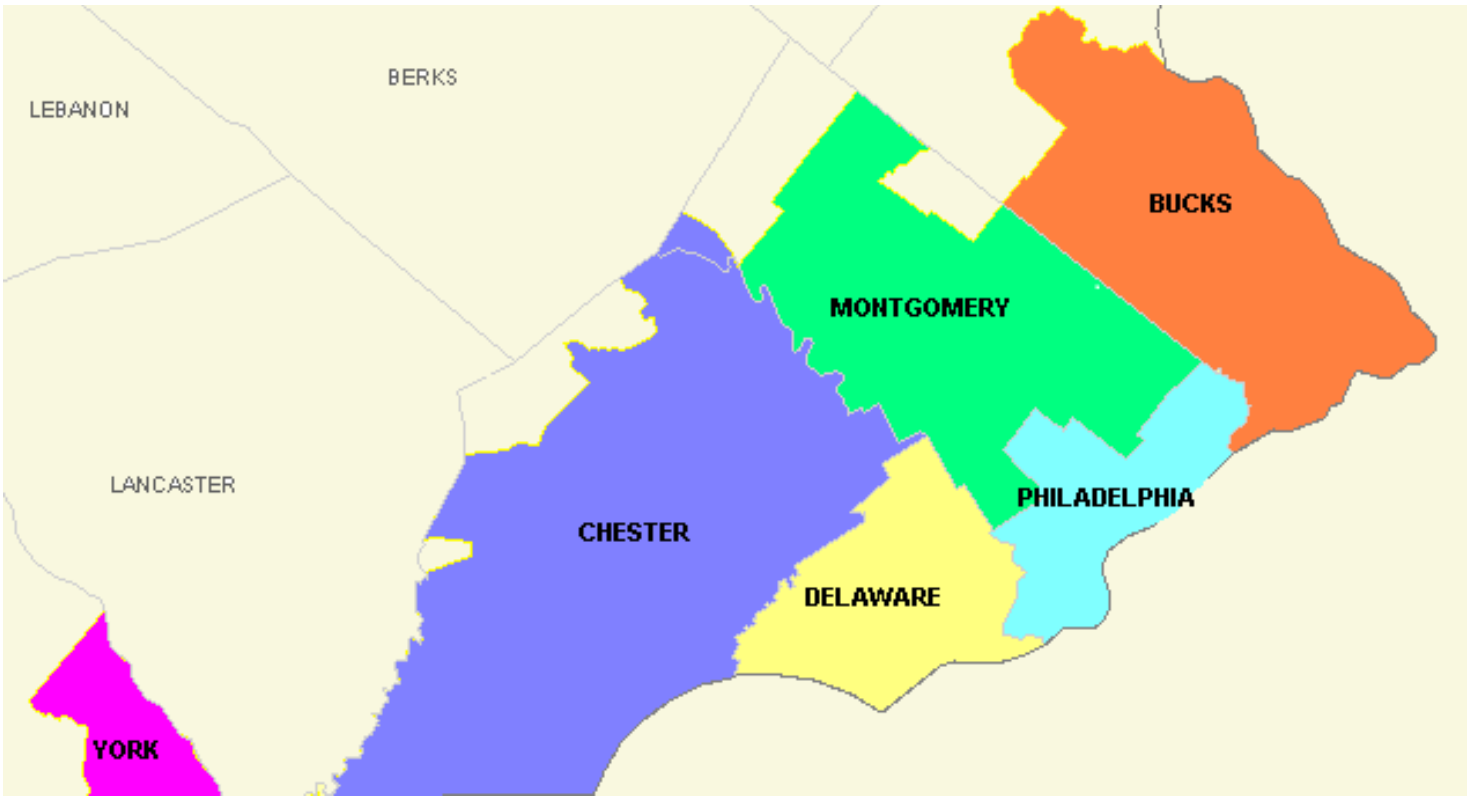
Sincerely,

Enclosure

cc: Dan Searfoorce, Bureau of Technical Utility Services (via email only)
John Van Zant, Bureau of Technical Utility Services (via email only)
Office of Consumer Advocate (via email only)
Office of Small Business Advocate (via email only)

peco℠
AN EXELON COMPANY

2025
Electric Distribution Company
Annual Reliability Report



April 30, 2026

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Introduction

PECO Energy ("PECO") is submitting this report to the Pennsylvania Public Utility Commission (the "Commission") in accordance with 52 Pa Code 5.423.

PECO is dedicated to delivering safe and dependable electric service to its customers. Serving approximately 1.69 million electric customers, PECO's coverage spans nearly 2,000 square miles across Bucks, Montgomery, Delaware, Chester, York, and Philadelphia Counties, including the city of Philadelphia.

In 2025, SAIFI, CAIDI, and SAIDI outperformed the Commission's Benchmarks and Standards for 12-month rolling averages.

SAIFI did not perform to the 3-year standard; however, CAIDI, and SAIDI did perform to the 3-year average standard.

B1: Section 57.195(b)(1)

"The annual reliability report shall include … an overall current assessment of the state of the system reliability in the electric distribution company's service territory, including a discussion of the electric distribution company's current programs and procedures for providing reliable electric service."

Current Assessment:

PECO's electric transmission and distribution system is reliable, and its restoration of service when outages occur is safe, rapid, and attentive to customers' needs. Each year, investments and operational improvements bring more resilience to PECO's system and better preparedness for storms and other emergencies. As shown in the Commission's annual reports on electric service reliability in Pennsylvania, PECO's reliability has been strong for the last decade. In 2025, PECO experienced several significant storms, with two PUC excludable storms, PECO's PUC 10% metrics were below standard and the benchmark.

Annual Reliability Indices for 2025:
In 2025, SAIFI, CAIDI, and SAIDI were below their respective Benchmarks and Standards.

3-Year Average Standard-Reliability Indices:
The 2022-2025 SAIFI average was above the 3-Year Average however, CAIDI, and SAIDI averages were below the 3-Year Average Standard.

Benchmarks and Standards were established on May 7, 2004. No Benchmark or Standard was established for MAIFI.

Programs and Procedures:

PECO Energy continues to stress excellence in fundamentals:

- Safety of our employees and the public
- Emergency response and daily operation
- Thorough preventive and corrective maintenance, including the use of drones.
- Appropriate capacity and design
- Adequate bulk supply
- Appropriate investment via our LTIIP plans and baseline
- Enhanced use of automation and new technologies
- Integration of advanced meter infrastructure (AMI, smart meters) into reliability processes

PECO ensures reliable electric service through a comprehensive approach involving a transmission and distribution system designed and built to standards. PECO deploys an all-encompassing equipment and vegetation maintenance program across the entire territory. In 2021, PECO executed the first year of the Company's second filed Reliability & Resiliency Long-term Infrastructure Improvement Plan (LTIIP), with additional capital investments to construct reliability-related improvements running through 2025. PECO also filed the third LTIIP beginning in 2026 and running through 2030.

Should a storm or other emergency arise, an appropriate emergency response team is assembled via cell phone, email, and Microsoft Teams notification. The trained team performs the work per the specifications of a thorough, documented, tested emergency response procedure, quickly escalating the magnitude of the response

when required, and communicating with the public and government agencies. If necessary, pre-established agreements with local contractors and neighboring utilities are exercised to augment PECO Energy's workforce. Access to further supplemental resources has been maintained with the North Atlantic Mutual Assistance Group and the Bureau of Safety and Environmental Enforcement (BSEE).

Management sets clearly defined, challenging reliability goals, communicates them to the workforce, demands meaningful action plans, monitors progress, and holds the organization accountable for results. Full-time engineering professionals monitor and analyze reliability trends and changes, and institute capital upgrades and improvements to maintenance, design, construction, and/or operations to ensure that customers continue to enjoy reliable electric service.

B2: Section 57.195(b)(2)

"The annual reliability report shall include… a description of each major event that occurred during the year being reported on, 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 2025, PECO experienced two major events as defined by the Commission, as described below:

1. On February 16, 2025, at 14:55, a heavy windstorm impacted the PECO service territory, causing outages across the territory until February 19, 2025, 06:27. The storm impacted 239,223 customers over the course of three days, leading to extreme storm restoration efforts. With the assistance of 1,418 workers from PECO's Exelon sister utilities, mutual assistance utilities, and contractors, all customers were restored within three days. PECO piloted a new process that designated Foreign Crew Inspection Leads as primary points of contact to support foreign crews and oversee their work. This approach utilizes standardized inspection checklists to document completed work, ensure compliance with construction standards, and identify temporary installations requiring follow-up work order.
2. On June 19, 2025, 15:32, the PECO service territory was struck with thunderstorms that caused heavy winds, and rain until June 22, 2025, 23:39. The storm impacted 377,090 customers. With the assistance of 2,197 workers from PECO's Exelon sister utilities, mutual assistance utilities and contractors, all customers were restored in six days. PECO implemented a new process during this event that utilized solid portion sub-centers staffed with a PECO LOTO (lockout/tagout) qualified lead to more efficiently distributing work to foreign crews.

The Commission defines a major event as either of the following:
An interruption of electric service resulting from conditions beyond the control of the EDC that affects at least 10 % of the customers in the EDC's service territory during the event for a duration of 5 minutes or greater; or
An unscheduled interruption of electric service resulting from an action taken by an EDC to maintain the adequacy and security of the electrical system.

B3: Section 57.195(b)(3)

"The report shall include… a table showing the actual values of each of the reliability indices (SAIFI, CAIDI, SAIDI, and if available, MAIFI) for the electric distribution company's service territory for each of the preceding 3 calendar years. The report shall include the data used in calculating the indices, namely the average number of customers served, the number of sustained customer minutes interruptions, the number of customers affected, and the minutes of interruption. If MAIFI values are provided, the number of customer momentary interruptions shall also be reported."

	SAIFI	**CAIDI**	**SAIDI**	**MAIFI**
2025	0.81	102	82	0.91
2024	0.77	96	74	0.90
2023	0.74	138	103	0.80
2022	0.71	99	71	0.76

	SAIFI	**CAIDI**	**SAIDI**	**MAIFI**
2022 – 2024 Average	0.74	111	83	0.82
Benchmark	1.23	112	138	N/A
3-Year Average Standard	1.35	123	167	N/A

	2025	2024	2023	2022
Number of customers served	1,698,536	1,666,498	1,687,053	1,684,405
Sustained customer minutes	137,531,145	125,195,871	173,830,880	118,852,712
Number of customers affected	1,353,498	1,306,959	1,256,802	1,198,241
Number of customer momentary interruptions	1,518,850	1,505,371	1,341,967	1,274,899

B4: Section 57.195(b)(4)

"The report shall include… a breakdown and analysis of outage causes during the year being reported on, 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 reported."

Cause	Service Outages	% of Service Outages	Customer Interruptions	% of Customer Interruptions	Customer Minutes
Animal	1,231	9.0%	32,497	2.4%	1,977,524
Contact/Dig-In	86	0.6%	6,134	0.5%	473,600
Equipment Failure	4,752	34.8%	455,978	33.7%	41,470,987
Lightning	277	2.0%	33,557	2.5%	3,953,761
Other	960	7%	48,697	3.6%	1,703,700
T&S	15	0.1%	25,046	1.9%	1,781,256
Unknown	569	4.2%	84,300	6.2%	7,578,159
Vegetation-Broken/Uprooted	4,533	33.2%	447,836	33.1%	56,867,340
Vegetation-Ingrowth	891	6.5%	153,794	11.4%	14,859,300
Vehicles	346	2.5%	65,666	4.9%	5,052,296
Total	13,660	100.0%	1,353,505	100.0%	137,538,787

Outages due to equipment and trees are being addressed through PECO's Long-term Infrastructure Improvement Plans and other reliability programs. Equipment is replaced based on observed trends under reliability programs and obsolescence. Most customer interruptions caused by trees came from broken branches and tree trunks or uprooted trees (33.2% of all customer interruptions), as opposed to ingrowth (6.5% of all outage customer interruptions). PECO continues to address vegetation-related outages accelerating several vegetation management initiatives, such as Blue Sky Trimming and improved prioritization of additional vegetation work.

B5: Section 57.195(b)(5)

"The reports shall include… a list of the major remedial efforts taken to date and planned for circuits that have been on the worst performing 5% of circuits list for a year or more."

See Appendix A

B6: Section 57.195(b)(6)

"The report shall include… a comparison of established transmission and distribution inspection and maintenance goals/objectives versus actual results achieved during the year being reported on. Explanations of any variances shall be included."

General Statement on Maintenance Programs Work Prioritization and Scheduling

PECO Energy develops its annual T&D maintenance plan to conform to company-established maintenance cycles and based on current program priority determined by safety, risk, and reliability evaluations. Resources may be reallocated during the maintenance period depending on the impact of key performance areas. There is an adherence to a schedule grace period equivalent to 25% of the maintenance cycle length to allow for scheduling and bundling of work.

PECO Energy's Distribution Inspection and Maintenance Plan vs. Actual Work for 2025

Maintenance Program	Planned Tasks	Completed Tasks
Recloser Inspections (Number of reclosers inspected)	413	874
Circuit Patrol & Thermography (Number of circuits inspected)	969	1,367
Pole Inspections (Number of poles inspected)	34,000	44,985
Padmount Transformer Inspections (Number of maintenance tasks performed (e.g. visual inspection, functional testing)	6,441	6,981
Below Ground Transformers (Number of maintenance tasks performed (e.g. visual inspection, functional testing)	1,184	1,380
Substation Inspections (Number of maintenance tasks performed (e.g. visual inspection, predictive/diagnostic maintenance, preventive maintenance) for a variety of substation components)	1,330	1,422
Unit Substations (Number of maintenance tasks performed (e.g. calibration, trip testing)	2,790	2,927

Vegetation Management Preventive Maintenance Program

Maintenance Program	Miles Planned	Miles Completed
Distribution Lift & Manual Trimming	2,812	3,361
Transmission Trim & Removal	198	198

B7: Section 57.195(b)(7)

"The report shall include…a comparison of budgeted versus actual Transmission and Distribution operation and maintenance expenses for the year being reported on in total and detailed by the electric distribution

company's own functional account code or FERC account code as available. Explanations of any variances 10% or greater shall be included."

Operation and Maintenance Expenses

Functional Account Code	Budget ($M)	Actual ($M)	Variance ($M)
New Business Connections	$4.2	$4.2	$0.0
Capacity Expansion	$0.4	$6.2	($5.7)
System Performance	$108.8	$99.5	$9.3
Facility Relocation	$0.7	$0.2	$0.5
Maintenance	$251.8	$250.5	$1.3
Category Totals	$365.8	$360.5	$5.3
Budgeted T&D O&M Expenses		$360.5	
Actual T&D O&M Expenses		$365.8	
Variance		$5.3	
Percent Variance		1.5%	

B8: Section 57.195(b)(8)

"The report shall include… a comparison of budgeted versus actual Transmission and Distribution capital expenditures for the year being reported on in total and detailed by the electric distribution company's own functional account code or FERC account code as available. Explanations of any variances 10% or greater shall be included."

Capital Expenses

Functional Account Code	Budget ($M)	Actual ($M)	Variance ($M)
New Business Connections	$116.2	$105.8	$10.4
Capacity Expansion	$131.3	$99.7	$31.6
System Performance	$896.0	$957.3	($61.3)
Facility Relocation	$38.9	$28.3	$10.6
Maintenance	$154.5	$179.8	($25.3)
Category Totals	$1,337.0	$1,370.9	($33.9)
Budgeted Capital Expenses		$1,337.0	
Actual Capital Expenses		$1,370.9	
Variance		($33.9)	
Percent Variance		(2.5%)	

- **New Business Connections –** Under budget due to fewer residential development and commercial projects than anticipated.
- **Capacity Expansion** – Under budget due to reallocation of funds to support the increased scope of various system performance programs.
- **Facility Relocation –** Under budget due to decreased scope of work on various relocation projects.
- **Maintenance –** Over budget due to repairing and replacing over- and underground defects caused by increased volume.

B9: Section 57.195(b)(9)

"The report shall include… quantified Transmission and Distribution inspection and maintenance goals/objectives for the current calendar year detailed by system area (i.e., transmission, substation, and distribution)."

PECO Energy's 2026 Transmission and Distribution Inspection and Maintenance Plan
Per 52 Pa Code Chapter 57.198, PECO's Biennial Inspection, Maintenance, Repair and Replacement plan filed September 27, 2018.

Maintenance Program	Units (Planned) Annual
Recloser Inspections (Number of reclosers inspected)	770
Circuit Patrol & Thermography (Number of circuits patrolled)	970
Pole Inspections (Number of poles visually inspected)	35,800
Padmount Transformers (Number of transformers visually inspected)	6,200
Below Ground Transformers (Number of transformers visually inspected)	1,170
Substations (Number of substations inspections performed. (e.g. visual inspection, reading of currents, voltages, temperature etc.) for a variety of substation components)	1,330
Unit Substations (Number of unit substations inspections performed.(e.g. visual inspection, reading of currents, voltages, temperature etc.) for a variety of substation components)	2,730

Vegetation Management Preventive Maintenance Program

Maintenance Program	Miles Planned
Distribution Lift & Manual Trimming	2,812
Transmission Trim & Removal	198

B10: Section 57.195(b)(10)

"The report shall include… budgeted transmission and distribution operation and maintenance expenses for the current year in total and detailed by the electric distribution company's own functional account code or FERC account code as available."

Functional Account Code	2026 O&M Budget ($M)
New Business Connections	$2.8
Capacity Expansion	$0.4
System Performance	$121.6
Facility Relocation	$0.8
Maintenance	$247.7
Category Totals	$373.4

B11: Section 57.195(b)(11)

"The report shall include… budgeted transmission and distribution capital expenditures for the current year in total and detailed by the electric distribution company's own functional account code or FERC account code as available."

Functional Account Code	2026 Capital Budget ($M)
New Business Connections	$153.7
Capacity Expansion	$247.5
System Performance	$1,054.2
Facility Relocation	$38.4
Maintenance	$159.6
Category Totals	$1,654.3

B12: Section 57.195(b)(12)

"The report shall include… significant changes, if any, to the Transmission and Distribution inspection and maintenance programs previously submitted to the Commission."

- Beginning in 2020, PECO's padmount transformer inspection cycle was changed from five years to eight years. PECO requested this waiver as part of its Biennial Inspection, Maintenance, Repair Replacement Plan and the Commission granted this waiver.

Appendix A

The following circuits were on our worst-performing 5% of circuits list for a year or more:

ABINGTON_005
AIRY_004
ALLEN_001
AQUE_000
BALA_136
BIRCH_000
BLUE_GRASS_130
BRADFORD_341
BRADFORD_346
BRYN_MAWR_012
BUCK_000
BUCKINGHAM_342
BUCKINGHAM_351
BUCKINGHAM_362
BUCKINGHAM_371
BURHOLME_017
BURHOLME_020
BYBERRY_174
BYBERRY_184
CALN_000
CARVER_000
CEDARBROOK_028
CHANDLER_000
CLAY_343
CLAY_352
CONCORD_347
CONCORD_351
DAVISVILLE_005
DELTA_001
DOE_RUN_000
DOWNINGTOWN_004
DOYLESTOWN_004
DUTTON_001
DUTTON_002
ELKVIEW_002
ELLWOOD_003
EXTON_000
FAIRLESS_008
GARDENVILLE_000
GOSHEN_352
HARMONY_007
HENDERSON_001
JENKINTOWN_130
LANE_002
LEDERACH_003
LENAPE_343
LENAPE_351
LENAPE_352

LIME_000
LINE_1066
LINE_1300CR
LINE_161_00CO
LINE_185_00
LINE_2100CR
LINE_2216
LINE_2235
LINE_2472
LINE_2682
LINE_3200EM
LINE_3307NT
LINE_3340
LINE_505
LINE_6600UP
LINE_705
LINE_744
LINE_9600
LINFIELD_000
LINTON_351
LOGAN_003
LYNDELL_000
MANOR_001
MANOR_002
MARKLEY_001
MARKLEY_004
MARKLEY_133
MIDDLETOWN_349
MIDDLETOWN_351
MONROE_004
NESHAMINY_133
NESHAMINY_144
NEWLINVILLE_011
NEWLINVILLE_342
NEWLINVILLE_343
NEWLINVILLE_362
NOLAN_004
OLIVE_001
PENCOYD_133
PENLLYN_001
PENLLYN_004
PENTRIDGE_013
PLUMSTEAD_002
PLYMOUTH_136
PLYMOUTH_161
POCOPSON_000
PULASKI_012
PULASKI_014
PULASKI_138
RICHMOND_143
ROXBOROUGH_136

RUSHLAND_000
SECANE_007
SOMERSET_008
STONY_001
SUNNYBURN_001
TANGUY_000
TRAPPE_002
TREVOSE_005
TREVOSE_138
WARMINSTER_006
WARWICK_000
WEST_BUCK_002
WEST_CHESTER_011
WESTTOWN_000
WHITEMARSH_141

As of the date of this report, analysis of these circuits continues. Information on remedial efforts taken and planned, in addition to the details provided on the following pages, will be included in future quarterly reliability reports.

Below are the efforts taken to date and planned for these circuits:

ABINGTON_005
Montgomery County
Completed:
Complete corrective reliability work orders
Inspect circuit
Remedial efforts completed

AIRY_004
Montgomery County
Completed:
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed
Remedial efforts completed

ALLEN_001
Montgomery County
Completed:
Complete corrective reliability work orders
Inspect circuit
Remedial efforts completed

AQUE_000
Bucks County
Completed:
Complete corrective reliability work orders
Inspect circuit
Remedial efforts completed

BALA_136
Philadelphia County
Completed:
Complete corrective reliability work orders

Inspect circuit
Remedial efforts completed

BIRCH_000
Bucks County
Completed:
Complete corrective reliability work orders
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed
Remedial efforts completed

BLUE_GRASS_130
Philadelphia County
Completed:
Complete corrective reliability work orders
Inspect circuit
Remedial efforts completed

BRADFORD_341
Chester County
Completed:
Complete corrective reliability work orders
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed
Remedial efforts completed

BRADFORD_346
Chester County
Completed:
Inspect circuit
Install new fusing
Remedial efforts completed

BRYN_MAWR_012
Delaware County
Completed:
Inspect circuit
Remedial efforts completed

BUCKINGHAM_342
Bucks County
Completed:
Complete corrective reliability work orders
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed
Remedial efforts completed

BUCKINGHAM_351
Bucks County
Completed:
Complete corrective reliability work orders
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed
Remedial efforts completed

BUCKINGHAM_362
Bucks County
Completed:
Inspect circuit
Remedial efforts completed

BUCKINGHAM_371
Bucks County
Completed:
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed
Remedial efforts completed

BUCK_000
Chester County
Completed:
Complete corrective reliability work orders
Create breakdown
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed
Install disconnect switch
Upgrade primary
Upgrade transformer
Remedial efforts completed

BURHOLME_017
Philadelphia County
Completed:
Complete corrective reliability work orders
Inspect circuit
Remedial efforts completed

BURHOLME_020
Philadelphia County
Completed:
Complete corrective reliability work orders
Inspect circuit
Remedial efforts completed

BYBERRY_174
Bucks County
Completed:
Complete corrective reliability work orders
Inspect circuit
Remedial efforts completed

BYBERRY_184
Bucks County
Completed:
Complete corrective reliability work orders
Inspect circuit
cutout-mounted reclosers
Remedial efforts completed

CALN_000
Chester County

Completed:
Complete corrective reliability work orders
Inspect circuit
Relocate pole line
Remedial efforts completed

CARVER_000
Bucks County
Completed:
Complete corrective reliability work orders
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed
Remedial efforts completed

CEDARBROOK_028
Philadelphia County
Completed:
Complete corrective reliability work orders
Inspect circuit
Remedial efforts completed

CHANDLER_000
Chester County
Completed:
Complete corrective reliability work orders
Inspect circuit
Install new fusing
Remedial efforts completed

CLAY_343
Chester County
Completed:
Inspect circuit
Install new fusing
Install new recloser
Upgrade transformer
Remedial efforts completed

CLAY_352
Chester County
Completed:
Inspect circuit
Remedial efforts completed

CONCORD_347
Delaware County
Completed:
Inspect circuit
Upgrade secondary
Remedial efforts completed

CONCORD_351
Delaware County
Completed:
Complete corrective reliability work orders
Inspect circuit

Remove interposers and convert to 34Kv
Upgrade primary
Remedial efforts completed

DAVISVILLE_005
Montgomery County
Completed:
Complete corrective reliability work orders
Inspect circuit
Install new fusing
Upgrade transformer
Remedial efforts completed

DELTA_001
York County
Completed:
Inspect circuit
Install new recloser
Remedial efforts completed

DOE_RUN_000
Chester County
Completed:
Inspect circuit
Remedial efforts completed

DOWNINGTOWN_004
Chester County
Completed:
Complete corrective reliability work orders
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed
Remedial efforts completed

DOYLESTOWN_004
Bucks County
Completed:
Inspect circuit
Remedial efforts completed

DUTTON_001
Delaware County
Completed:
Inspect circuit
Upgrade secondary
Remedial efforts completed

DUTTON_002
Delaware County
Completed:
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed
Remedial efforts completed

ELKVIEW_002
Chester County

Completed:
Complete corrective reliability work orders
Inspect circuit
Remedial efforts completed

ELLWOOD_003
Bucks County
Completed:
Inspect circuit
Upgrade transformer
Remedial efforts completed

EXTON_000
Chester County
Completed:
Inspect circuit
Remedial efforts completed

FAIRLESS_008
Bucks County
Completed:
Inspect circuit
Remedial efforts completed

GARDENVILLE_000
Bucks County
Completed:
Complete corrective reliability work orders
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed
Remedial efforts completed

GOSHEN_352
Chester County
Completed:
Complete corrective reliability work orders
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed
Upgrade secondary
Remedial efforts completed

HARMONY_007
Chester County
Completed:
Complete corrective reliability work orders
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed
Remedial efforts completed

HENDERSON_001
Montgomery County
Completed:
Complete corrective reliability work orders
Inspect circuit
Remedial efforts completed

JENKINTOWN_130
Montgomery County
Completed:
Inspect circuit
Install new underground switch
Remedial efforts completed

LANE_002
Montgomery County
Completed:
Complete corrective reliability work orders
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed
Remedial efforts completed

LEDERACH_003
Montgomery County
Completed:
Complete corrective reliability work orders
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed
Remedial efforts completed

LENAPE_343
Chester County
Completed:
Complete corrective reliability work orders
Inspect circuit
Upgrade fusing
Upgrade secondary
Remedial efforts completed

LENAPE_351
Chester County
Completed:
Complete corrective reliability work orders
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed
Remedial efforts completed

LENAPE_352
Chester County
Completed:
Complete corrective reliability work orders
Inspect circuit
Upgrade fusing
Remedial efforts completed

LIME_000
Chester County
Completed:
Inspect circuit
Remedial efforts completed

LINE_1066
Philadelphia County
Completed:
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed
Upgrade transformer
Remedial efforts completed

LINE_1300CR
Chester County
Completed:
Inspect circuit
Remedial efforts completed

LINE_161_00CO
Chester County
Completed:
Complete corrective reliability work orders
Inspect circuit
Remedial efforts completed

LINE_185_00
Bucks County
Completed:
Complete corrective reliability work orders
Inspect circuit
Remedial efforts completed

LINE_2100CR
Chester County
Completed:
Complete corrective reliability work orders
Inspect circuit
Remedial efforts completed

LINE_2216
Philadelphia County
Completed:
Complete corrective reliability work orders
Inspect circuit
Remedial efforts completed

LINE_2235
Montgomery County
Completed:
Complete corrective reliability work orders
De-energize unused equipment
Inspect circuit
Remedial efforts completed

LINE_2472
Philadelphia County
Completed:
Inspect circuit
Remedial efforts completed

LINE_2682
Philadelphia County
Completed:
Complete corrective reliability work orders
Inspect circuit
Upgrade switch
Remedial efforts completed

LINE_3200EM
Bucks County
Completed:
Complete corrective reliability work orders
Inspect circuit
Upgrade secondary
Remedial efforts completed

LINE_3307NT
Chester County
Completed:
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed
Remedial efforts completed

LINE_3340
Delaware County
Completed:
Complete corrective reliability work orders
Inspect circuit
Remedial efforts completed

LINE_505
Philadelphia County
Completed:
Inspect circuit
Remedial efforts completed

LINE_6600UP
Montgomery County
Completed:
Inspect circuit
Remedial efforts completed

LINE_705
Philadelphia County
Completed:
Complete corrective reliability work orders
Inspect circuit
Remedial efforts completed

LINE_744
Philadelphia County
Completed:
Complete corrective reliability work orders
Inspect circuit
Remedial efforts completed

LINE_9600
Montgomery County
Completed:
Inspect circuit
Remedial efforts completed

LINFIELD_000
Chester County
Completed:
Inspect circuit
Remedial efforts completed

LINTON_351
Bucks County
Completed:
Complete corrective reliability work orders
Inspect circuit
Install tree resistant wire
Upgrade transformer
Remedial efforts completed

LOGAN_003
Philadelphia County
Completed:
Complete corrective reliability work orders
Inspect circuit
Remedial efforts completed

LYNDELL_000
Chester County
Completed:
Changing feeder
Complete corrective reliability work orders
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed
Remedial efforts completed

MANOR_001
Chester County
Completed:
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed
Remedial efforts completed

MANOR_002
Chester County
Completed:
Inspect circuit
Upgrade secondary
Remedial efforts completed

MARKLEY_001
Montgomery County
Completed:
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed

Remedial efforts completed

MARKLEY_004
Montgomery County
Completed:
Complete corrective reliability work orders
Inspect circuit
Remedial efforts completed

MARKLEY_133
Montgomery County
Completed:
Complete corrective reliability work orders
Inspect circuit
Remedial efforts completed

MIDDLETOWN_349
Delaware County
Completed:
Complete corrective reliability work orders
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed
Upgrade fusing
Upgrade primary
Remedial efforts completed

MIDDLETOWN_351
Delaware County
Completed:
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed
Remedial efforts completed

MONROE_004
Delaware County
Completed:
Complete corrective reliability work orders
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed
Remedial efforts completed

NESHAMINY_133
Bucks County
Completed:
Inspect circuit
Install cutout-mounted reclosers
Remedial efforts completed

NESHAMINY_144
Bucks County
Completed:
Complete corrective reliability work orders
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed
Install new fusing

Remedial efforts completed

NEWLINVILLE_011
Chester County
Completed:
Complete corrective reliability work orders
Inspect circuit
Remedial efforts completed

NEWLINVILLE_342
Chester County
Completed:
Complete corrective reliability work orders
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed
Upgrade primary
Remedial efforts completed

NEWLINVILLE_343
Chester County
Completed:
Complete corrective reliability work orders
Inspect circuit
Upgrade primary
Remedial efforts completed

NEWLINVILLE_362
Chester County
Completed:
Complete corrective reliability work orders
Inspect circuit
Upgrade primary
Remedial efforts completed

NOLAN_004
Bucks County
Completed:
Complete corrective reliability work orders
Inspect circuit
Remedial efforts completed

OLIVE_001
Chester County
Completed:
Inspect circuit
Remedial efforts completed

PENCOYD_133
Delaware County
Completed:
Complete corrective reliability work orders
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed
Install cutout-mounted reclosers
Install new recloser
Upgrade primary

Remedial efforts completed

PENLLYN_001
Montgomery County
Completed:
Inspect circuit
Remedial efforts completed

PENLLYN_004
Montgomery County
Completed:
Inspect circuit
Remedial efforts completed

PENTRIDGE_013
Philadelphia County
Completed:
Complete corrective reliability work orders
Inspect circuit
Remedial efforts completed

PLUMSTEAD_002
Bucks County
Completed:
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed
Remedial efforts completed

PLYMOUTH_136
Montgomery County
Completed:
Complete corrective reliability work orders
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed
Remedial efforts completed

PLYMOUTH_161
Montgomery County
Completed:
Inspect circuit
Install animal protection
Remedial efforts completed

POCOPSON_000
Chester County
Completed:
Complete corrective reliability work orders
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed
Upgrade primary
Remedial efforts completed

PULASKI_012
Philadelphia County
Completed:
Complete corrective reliability work orders

Inspect circuit
Upgrade transformer
Remedial efforts completed

PULASKI_014
Philadelphia County
Completed:
Complete corrective reliability work orders
Inspect circuit
Upgrade transformer
Remedial efforts completed

PULASKI_138
Philadelphia County
Completed:
Complete corrective reliability work orders
Inspect circuit
Remedial efforts completed

RICHMOND_143
Philadelphia County
Completed:
Complete corrective reliability work orders
Inspect circuit
Remedial efforts completed

ROXBOROUGH_136
Philadelphia County
Completed:
Inspect circuit
Remedial efforts completed

RUSHLAND_000
Bucks County
Completed:
Complete corrective reliability work orders
Inspect circuit
Remedial efforts completed

SECANE_007
Delaware County
Completed:
Complete corrective reliability work orders
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed
Install new recloser
Remedial efforts completed

SOMERSET_008
Philadelphia County
Completed:
Complete corrective reliability work orders
Inspect circuit
Remedial efforts completed

STONY_001
Bucks County
Completed:
Complete corrective reliability work orders
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed
Remedial efforts completed

SUNNYBURN_001
York County
Completed:
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed
Remedial efforts completed

TANGUY_000
Delaware County
Completed:
Complete corrective reliability work orders
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed
Remedial efforts completed

TRAPPE_002
Montgomery County
Completed:
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed
Remedial efforts completed

TREVOSE_005
Bucks County
Completed:
Inspect circuit
Remedial efforts completed

TREVOSE_138
Bucks County
Completed:
Complete corrective reliability work orders
Inspect circuit
Upgrade secondary
Remedial efforts completed

WARMINSTER_006
Bucks County
Completed:
Inspect circuit
Install animal protection
Remedial efforts completed

WARWICK_000
Bucks County
Completed:
Complete corrective reliability work orders
Inspect circuit

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

WESTTOWN_000
Chester County
Completed:
Inspect circuit
Remedial efforts completed

WEST_BUCK_002
Bucks County
Completed:
Complete corrective reliability work orders
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed
Upgrade fusing
Remedial efforts completed

WEST_CHESTER_011
Chester County
Completed:
Inspect circuit
Inspect selected areas of circuit for vegetation issues and correct as needed
Upgrade secondary
Remedial efforts completed

WHITEMARSH_141
Montgomery County
Completed:
Complete corrective reliability work orders
Inspect circuit
Remedial efforts completed

Appendix B

New Business

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) are incurred while responding to major storms (storms that meet customer outage and duration criteria).

Appendix C

PECO Load Control Procedures

PECO may perform notification to Customers to perform Energy Conservation efforts through multiple communication channels. When Energy Conservation efforts are not effective in performing utility load reduction requirements, the following documents will govern next steps: Voltage Reduction selective load shedding procedure (EP-PE-2016) and/or Manual Load Shed (OP-EU-0210028).

The Voltage Reduction Action is an Operating Instruction from PJM to reduce load when the PJM RTO cannot provide adequate capacity to meet the PJM RTO's load and tie schedules. Measures are taken to reduce system load for all or part of the system to reduce the likelihood of a voltage collapse and/or a system blackout. This Action will reduce voltage on distribution transformers which will effectively reduce load on the system to support operating reserves and help support voltage on the Extra High Voltage (EHV) system.

The Manual Load Shed Action is an Operating Instruction from PJM to shed firm load when the PJM RTO cannot provide adequate capacity to meet the PJM RTO's load and tie schedules, or critically overloaded transmission lines or equipment cannot be relieved in any other way. Manual Load Shed Action may also be initiated to provide load relief if no other controlling action is available. Measures are taken to reduce system load for all or part of the system to reduce the likelihood of a voltage collapse and/or a system blackout.

Excerpts from PECO Procedures:

EP-PE-2016 Attachment #1: PECO follows PJM Manual 13: Emergency Operations, Attachment A for communications required during PJM Emergency Capacity Shortages.

http://www.pjm.com/~/media/documents/manuals/m13.ashx

PJM Manual 13 Attachment A identifies the steps PJM's Corporate Communications will take, when PJM System Operations authorizes use of the identified weather-related capacity emergency messages, to inform member communications department staffs, the news media and the public and to coordinate emergency messages among the communications departments of members. The attachment includes notices to member communicators and prepared draft PJM news releases.

Section 4.1 Voltage Reduction Actions

- PJM issues a Voltage Reduction Action Operating Instruction
- Operations Shift Leads will direct staff to implement Voltage Reduction sequences to meet PJM request.
- When PJM cancels the Voltage Reduction Action, Operations shift leads will return system to normal operating parameters

Section 4.2 Load Shed Warning Notification

- PJM will issue Load Shed notification to Operations Shift Leads. Operations Shift Leads will perform internal and external notifications per procedure.

- If a local PECO system emergency occurs, Operations Shift Leads will perform internal and external notifications per procedure.
- Operations Shift Leads will take appropriate actions to perform load shedding.

Section 4.3 Load Shed Preparation

- Operations Lead can facilitate preparation of conference calls with the internal Emergency Response Organization, Engineering, Governmental Liaisons, Call Center, Shift Leads, and the Communications Officer to prepare for the necessary actions.
- Verify Operations Staff can access load shed blocks for any Selective Load Shedding actions via the Load Shed Database

Section 4.6 Load Shep Implementation

- When PJM issues an operating instruction for a "manual load shed", then Operations staff will implement manual load shedding.
- Operations Lead will facilitate appropriately scheduled conference calls with the internal Emergency Response Organization, Engineering, Governmental Liaisons, Call Center, Shift Leads, and the Communications Officer until the PJM action is complete.
- All Liaisons and Officers will complete internal and external notifications as required until the PJM action is complete.
- Operations Shift Leads will perform assessment to determine requirement for load blocks to be shed. Operations Staff will determine the number of blocks to be shed concurrently to achieve the desired magnitude of load shedding. Load blocks are rotated for approximately one hour.
- Primary objective typically is to limit individual customer interruption duration within the load shed window.
- Load shed action shall be monitored for the duration of the event until PJM or appropriate designated authority notifies Operations Lead to Return to Normal

Section 4.7 Return to Normal:

- PJM notifies Load Shed is no longer required or PECO System conditions warrant load shed is no longer required; Operations Lead restores system to normal operations.
- Operation Staff will perform internal notifications that load shedding is no longer required and has been completed.
- All Liaisons and Officers will complete external notifications as required until the PJM action is complete.
- Operations Staff will restore any remaining load blocks that are interrupted for the event.

Key Roles:

- **Communications Officer –** Provides media/customers with necessary load shed information.
- **Large Customer Services – LCS –** Contacts Managed Account customers during an actual load shedding emergency.
- **Governmental Liaison -** Ensures appropriate level of communications with local and county officials during an actual load shedding emergency. Ensures consistent communication across the organization, to the media, and to our customers, utilizing appropriate External Communications Plan.
- **Operations Shift Lead –** Monitors the integrity of the PECO System. Serves as the point-of-contact for PJM. Updates the Operations Lead system status reports. Supervises the activities of the Operations Staff during emergency period.
- **Operations Lead –** Prepare for and manage the process through all events for Voltage Reduction or selective load shedding; in consultation with the various Operations Shift Leads.

Maintains contact with all PECO organizations to ensure clear communications to all stakeholders until the event is concluded.