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April 28, 2020

VIA E-FILING ONLY
Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street
Harrisburg, Pennsylvania 17120

Re: PECO 2019 Annual Electric Reliability Report - PUC Docket No. M-2016-2522508

Dear Secretary Chiavetta:

Enclosed is PECO's 2019 Annual Reliability Report for the period ending December 31, 2019, submitted pursuant to the Electric Service Reliability Regulations at 52 Pa. Code Chapter 57.

As per the stay-at-home orders issued by the Governor and Philadelphia's Mayor, all PECO attorneys and key support staff are working remotely until these restrictions are lifted. Accordingly, PECO will not have its usual access to photocopying and U.S. mail, among other services. PECO is filing this report by e-filing and requests that all communications with PECO, likewise, be transmitted by email.

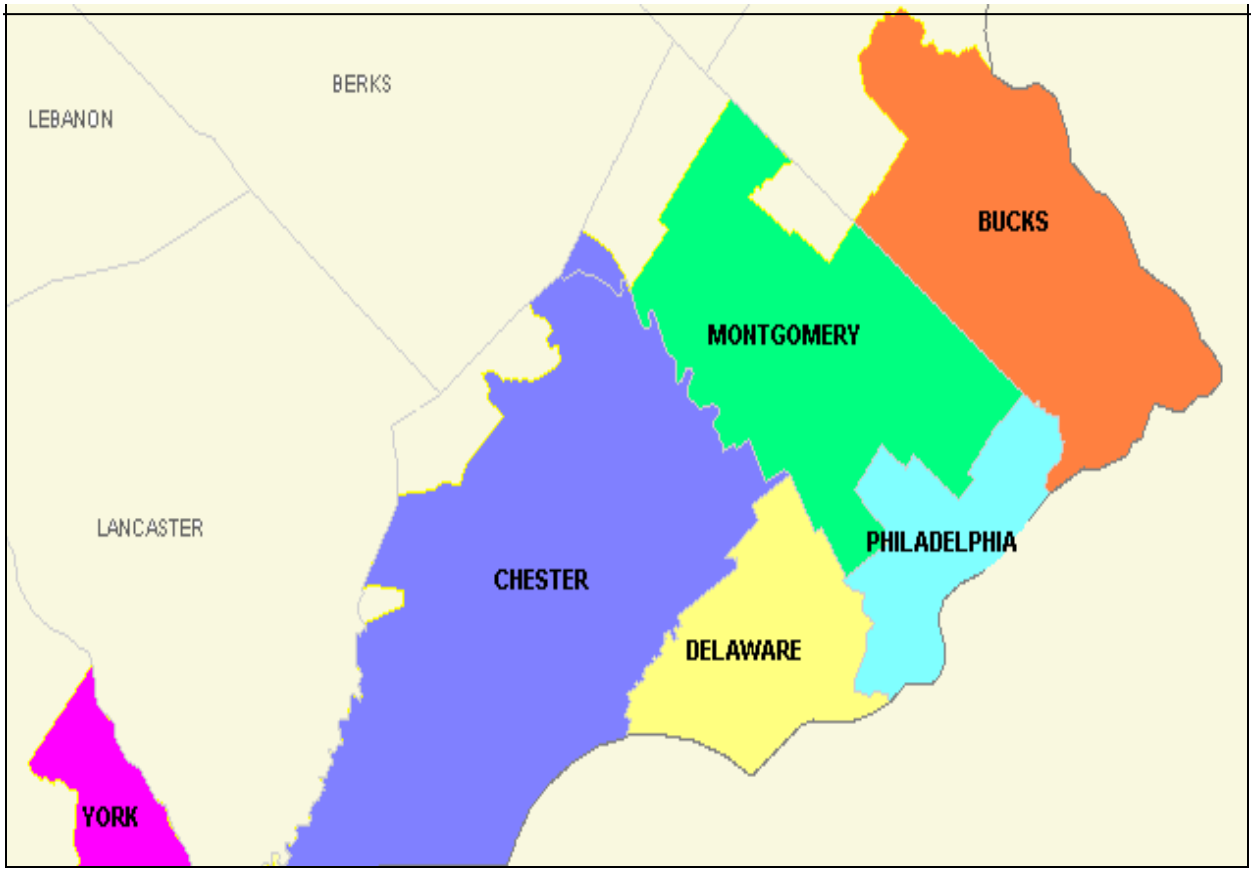
If you have any questions regarding this matter, please call me at 215-841-5777.

Sincerely,

Enclosure

Cc: D. Washko (email only)

2019
Electric Distribution Company
Annual Reliability Report



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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 committed to providing safe and reliable electric service to its customers. PECO serves approximately 1.6 million electric customers covering nearly 2,000 square miles in Bucks, Montgomery, Delaware, Chester, York and Philadelphia Counties, including the City of Philadelphia.

Following several years of strong reliability indicators for frequency and duration of interruptions, PECO experienced several significant storms in 2019 that led to increased time to restore power, pushing indices for outage duration to elevated levels, while outage frequency remained favorable to historical levels.

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 2019, PECO experienced several significant storms. Although none of these storms individually met the threshold defined by the Commission for exclusion from reported reliability, the total of 2019 storm interruptions included in PUC indices was the highest in ten years, affecting reported numbers unfavorably.

Annual Reliability Indices for 2019:

For 2019, SAIFI was below its Benchmark, while CAIDI and SAIDI were above their respective Benchmarks. Extended service restoration times caused by several significant storms in 2019 drove the duration indices of rolling 12-month SAIDI and CAIDI higher. None of these storms met the major storm threshold for exclusion from reliability indices.

3-Year Average Reliability Indices for 2017 - 2019:
For 2017 - 2019, average SAIFI and average SAIDI were below their respective Benchmarks and Standards, while average CAIDI was above its Benchmark and Standard. The 2019 storms that drove annual CAIDI above its Benchmark also drove 3-year average CAIDI above its 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
- Enhanced use of automation and new technologies
- Integration of advanced meter infrastructure (AMI, smart meters) into reliability processes

PECO Energy's program for providing reliable electric service is multifaceted. It starts with a transmission and distribution system that is designed and built to reliable standards. Under a formal, comprehensive, predictive and preventive maintenance program, equipment receives maintenance to ensure its safe, reliable operation. Vegetation in the proximity of the system is pruned and controlled via a funded, well-managed program that protects the electric facilities while respecting the beauty and environmental importance of the vegetation. In response to invasive insects that cause ash tree deaths, PECO has increased its rate of removal of ash trees under a dedicated mitigation program. In 2016, PECO launched its System 2020 Long-term Infrastructure Improvement Plan, with additional capital investments to construct reliability-related improvements over the period 2016 to 2020 focused on storm hardening and resiliency, cable replacements, and substation retirements with related distribution system upgrades. In 2018 to 2020, PECO increased its investment in replacement of overhead components and infrastructure and underground cable, and in adding reclosers to its distribution system.

The transmission and distribution system is operated around-the-clock, every day, from control centers where trained personnel use modern monitoring and control equipment to ensure that equipment is run within its load rating and other technical constraints.

When interruptions to electric service do occur, calls and instant reports from smart AMI meters are noted in a computer-aided outage management system, which associates calls and meter reports with information about the distribution system configuration to construct probable trouble groupings. These outage reports quickly appear on the screens for the operations center personnel. First response personnel are on the system at all times to make trouble locations safe and quickly restore service. The current outage management system has kept pace with technology through upgrades made available by the manufacturer and has been enhanced with information from the Advanced Meter Operating System.

PECO continues to install and upgrade the latest proven and cost-effective technology in support of reliability and safe, efficient operations. Examples include computers in the vehicles of field workers, smart electronic meters with communications and diagnostic capabilities, electronically-controlled switching and communication equipment to automatically reroute power around problem areas, a new geographic information system (GIS), and a state-of-the-art central distribution system management computer system.

Should a storm or other emergency arise, an appropriate emergency response team is assembled via group pager and cell-phone notification. The trained team performs 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. In 2012, PECO augmented its existing mutual assistance agreement with the Mid-Atlantic Mutual Assistance Group by joining the Southeastern Electric Exchange, increasing its ability to respond to major storms. After each significant emergency event, the groups involved evaluate the response. Strengths and weaknesses are identified, action plans are constructed, and individuals are tasked with bringing about the necessary changes to facilities, the organization, the procedures, and the understanding of the procedures by the work force. Management tracks each action item and demands timely completion to ensure continuous improvement.

Seasonal emergency response drills are carefully planned and carried out, followed by critiques and improvements to ensure that the entire organization can function properly when called upon for actual emergencies.

Management sets clearly-defined, challenging reliability goals, communicates them to the work force, demands meaningful action plans, monitors progress, holds the organization accountable for results, and attaches

incentive compensation for employees to the achievement of the goals. 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."

PECO experienced no major events as defined by the Commission in 2019. 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 which affects at least 10 % of the customers in the EDC's service territory during the course of 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.

While PECO experienced no storms in 2019 affecting at least 10% of its customers (a storm affecting approximately 165,000 customers), the total number of storm customer interruptions reported to the Commission and included in reliability indices was 555,000 (approximately 34% of PECO customers). This is the highest annual total for PECO in a decade. Extended restoration times due to the volume of work in these storms drove PECO 2019 duration indices of CAIDI and SAIDI higher.

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
2019	1.08	189	205	.91
2018	0.97	110	106	0.71
2017	0.83	99	82	0.54
2016	1.00	106	106	0.57

	SAIFI	CAIDI	SAIDI	MAIFI
2017 – 2019 Average	0.96	133	131	0.72
Benchmark	1.23	112	138	N/A
3-Year Average Standard	1.35	123	167	N/A

	2019	2018	2017	2016
Number of customers served *	1,662,121	1,649,295	1,635,159	1,623,365
Sustained customer minutes	341,040,677	174,581,540	134,008,559	171,632,179
Number of customers affected	1,802,311	1,592,149	1,351,668	1,623,883
Number of customer momentary interruptions	1,509,449	1,167,283	885,192	932,692

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	1,281	8.2%	47,905	2.7%	2,800,399
Contact/Dig-In	136	0.9%	13,979	0.8%	1,735,714
Equipment Failure	6,435	41.4%	722,416	40.1%	90,579,848
Lightning	434	2.8%	55,028	3.1%	15,156,299
Other	693	4.5%	68,690	3.8%	7,562,114
T&S	12	0.1%	28,207	1.6%	1,328,147
Unknown	259	1.7%	11,742	0.7%	3,681,847
Vegetation-Broken/Uprooted	4,637	29.8%	663,235	36.8%	186,493,786
Vegetation-Ingrowth	1,217	7.8%	107,800	6.0%	23,687,863
Vehicles	445	2.9%	83,309	4.6%	8,014,661

The largest contributors to customer interruptions were equipment failure and tree-related interruptions. The leading groups within the equipment failure category were aerial equipment and underground equipment. Equipment is replaced based on observed trends under reliability programs and the System 2020 Long-term Infrastructure Investment Plan. Most customer interruptions caused by trees came from broken branches and tree trunks or uprooted trees (36.8% of all customer interruptions), as opposed to ingrowth (6.0% of all outage customer interruptions). PECO has continued to supplement its regularly scheduled vegetation management cycle with mid-cycle and a hazard tree removal program.

PECO has observed an increase in dead and declining ash trees near its electrical facilities. Emerald ash borers (invasive insects that cause ash tree deaths) are known to be concentrated in the eastern United States and have infested areas across the PECO territory. Limb and tree failures caused by emerald ash borers are expected to increase through this decade and into the next. PECO has begun to address this issue with its current vegetation management programs and is executing an expanded program to mitigate the threat to its facilities and customer reliability.

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 impact of key performance areas. There is an adherence to 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 2019

Maintenance Program	Planned Tasks	Completed Tasks
Recloser Inspections (Number of reclosers inspected)	215	506
Circuit Patrol & Thermography (Number of circuits inspected)	972	1,911
Pole Inspections (Number of poles inspected)	32,766	40,434
Padmount Transformer Inspections (Number of maintenance tasks performed (e.g. visual inspection, functional testing)	9,619	9,863
Below Ground Transformers (Number of maintenance tasks performed (e.g. visual inspection, functional testing)	1,627	2,539
Substation Inspections (Number of maintenance tasks performed (e.g. visual inspection, predictive/diagnostic maintenance, preventive maintenance) for a variety of substation components)	1,360	1,422
Unit Substations (Number of maintenance tasks performed (e.g. calibration, trip testing)	3,030	3,135

Vegetation Management Preventive Maintenance Program

Maintenance Program	Miles Planned	Miles Completed
Distribution Lift & Manual Trimming	2,185	2,662
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	Actual	Variance
New Business Connections	$2.7	$3.8	($1.1)
Capacity Expansion	$2.1	$0.3	$1.8
System Performance	$71.3	$56.7	$14.6
Facility Relocation	$1.4	$1.1	$0.3
Maintenance	$203.0	$200.6	$2.4
Category Totals	$280.5	$262.5	$18.0
Budgeted T&D O&M Expenses		$280.5	
Actual T&D O&M Expenses		$262.5	
Variance		$18.0	
Percent Variance		6.4%	

"Explanations of any variances 10% or greater shall be included"

- **New Business Connections –** Over budget due to increased residential development and commercial projects.
- **Capacity Expansion** – Under budget due to revised estimates for substation work.
- **System Performance** – Under budget due to reallocation of budget dollars to support storm restoration.
- **Facility Relocation –** Under budget due to revised scope of work on various relocation projects.

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	Actual	Variance
New Business Connections	$53.1	$68.3	($15.2)
Capacity Expansion	$57.9	$50.9	$7.0
System Performance	$363.3	$334.5	$28.8
Facility Relocation	$9.0	$16.2	($7.2)
Maintenance	$117.6	$125.9	($8.3)
Category Totals	$600.9	$595.8	$5.1
Budgeted Capital Expenses		$600.9	
Actual Capital Expenses		$595.8	
Variance		$5.1	
Percent Variance		0.8%	

"Explanations of any variances 10% or greater shall be included"

- **New Business Connections –** Over budget due to increased residential development and commercial projects.
- **Capacity Expansion** – Under budget due to reallocation of funds to support increased scope of various maintenance programs.
- **Facility Relocation –** Over budget due to increased scope of work on various relocation projects.

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 2020 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)	246
Circuit Patrol & Thermography (Number of circuits patrolled)	975
Pole Inspections (Number of poles visually inspected)	34,695
Padmount Transformers (Number of transformers visually inspected)	6,718
Below Ground Transformers (Number of transformers visually inspected)	1,563
Substations (Number of substations inspections performed.(e.g. visual inspection, reading of currents, voltages, temperature etc) for a variety of substation components)	1,370
Unit Substations (Number of unit substations inspections performed .(e.g. visual inspection, reading of currents, voltages, temperature etc) for a variety of substation components)	2,970

Vegetation Management Preventive Maintenance Program

Maintenance Program	Miles Planned
Distribution Lift & Manual Trimming	2,119
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	2020 O&M Budget
New Business Connections	$2.8
Capacity Expansion	$1.0
System Performance	$66.6
Facility Relocation	$1.5
Maintenance	$211.5
Category Totals	$283.4

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	2020 Capital Budget
New Business Connections	$82.6
Capacity Expansion	$99.4
System Performance	$361.2
Facility Relocation	$22.2
Maintenance	$146.2
Category Totals	$711.6

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 (2020 through 2021), 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:

BETHAYRES_135
CEDARBROOK_131
CEDARBROOK_136
CONCORD_347
CONCORD_351
EMILIE_132
FLINT_144
GLADWYNE_133
LENAPE_351
LINE_3340
LINE_6000
LINE_708
LINE_800CR
MIDDLETOWN_142
MIDDLETOWN_143
MIDDLETOWN_349
MORTON_142
NEW_HOPE_001
NEW_HOPE_002
NEWLINVILLE_351
NEWLINVILLE_361
PLYMOUTH_181
PULASKI_137
ROXBOROUGH_135
WAYNE_131
WAYNE_146
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:

BETHAYRES_135
Montgomery County
Completed:
Inspect circuit visually and with thermographic camera
Inspect selected areas of circuit for vegetation issues and correct as needed
Install animal protection
Replace underground cable
Planned:
Inspect selected areas of circuit for vegetation issues and correct as needed

CEDARBROOK_131
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

CEDARBROOK_136
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:
Perform regularly scheduled tree clearance

CONCORD_347
Delaware County
Completed:
Inspect circuit visually and with thermographic camera
Planned:
Complete engineering review and analysis
Inspect circuit visually and with thermographic camera

CONCORD_351
Delaware County
Completed:
Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera
Remedial efforts completed

EMILIE_132
Bucks County
Completed:
Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera
Perform regularly scheduled tree clearance
Remedial efforts completed

FLINT_144
Delaware County
Completed:
Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera
Inspect selected areas of circuit for vegetation issues and correct as needed
Perform regularly scheduled tree clearance
Remedial efforts completed

GLADWYNE_133
Delaware County
Completed:
Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera
Inspect selected areas of circuit for vegetation issues and correct as needed
Remedial efforts completed

LENAPE_351
Chester County
Completed:
Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera
Perform regularly scheduled tree clearance
Planned:
Complete corrective reliability work orders

LINE_3340
Delaware County
Completed:
Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera
Inspect selected areas of circuit for vegetation issues and correct as needed
Planned:
Complete corrective reliability work orders

LINE_6000
Bucks 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
Inspect selected areas of circuit for vegetation issues and correct as needed

LINE_708
Philadelphia County
Completed:
Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera
Install animal protection
Perform regularly scheduled tree clearance
Reconfigure circuit
Planned:
Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera
Reconfigure circuit

LINE_800CR
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 cutout-mounted recloser
Remedial efforts completed

MIDDLETOWN_142
Delaware County
Completed:
Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera
Inspect selected areas of circuit for vegetation issues and correct as needed
Perform regularly scheduled tree clearance
Remedial efforts completed

MIDDLETOWN_143
Delaware County
Completed:
Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera
Perform regularly scheduled tree clearance
Planned:
Inspect circuit visually and with thermographic camera
Install recloser

MIDDLETOWN_349
Delaware County
Completed:
Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera
Inspect selected areas of circuit for vegetation issues and correct as needed
Perform regularly scheduled tree clearance
Planned:
Inspect circuit visually and with thermographic camera

MORTON_142
Delaware County
Completed:
Inspect circuit visually and with thermographic camera
Perform regularly scheduled tree clearance
Planned:
Install tree-resistant wire

NEW_HOPE_001
Bucks County
Completed:
Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera
Inspect selected areas of circuit for vegetation issues and correct as needed
Install fuses and switches
Planned:
Inspect selected areas of circuit for vegetation issues and correct as needed

NEW_HOPE_002
Bucks County
Completed:
Inspect circuit visually and with thermographic camera
Inspect selected areas of circuit for vegetation issues and correct as needed
Planned:
Inspect selected areas of circuit for vegetation issues and correct as needed

NEWLINVILLE_351
Chester County
Completed:
Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera
Inspect selected areas of circuit for vegetation issues and correct as needed
Upgrade Transformer
Planned:
Complete corrective reliability work orders
Inspect selected areas of circuit for vegetation issues and correct as needed
Install tree-resistant wire

NEWLINVILLE_361
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:
Inspect selected areas of circuit for vegetation issues and correct as needed

PLYMOUTH_181
Montgomery County
Completed:
Inspect circuit visually and with thermographic camera
Inspect selected areas of circuit for vegetation issues and correct as needed
Planned:
Install animal protection
Perform regularly scheduled tree clearance

PULASKI_137
Philadelphia County
Completed:
Inspect circuit visually and with thermographic camera
Planned:
Complete engineering review and analysis
Perform regularly scheduled tree clearance

ROXBOROUGH_135
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
Install animal protection
Planned:
Perform regularly scheduled tree clearance

WAYNE_131
Delaware County
Completed:
Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera
Perform regularly scheduled tree clearance
Planned:
Install cutout-mounted recloser

WAYNE_136
Delaware County
Completed:
Inspect circuit visually and with thermographic camera
Perform regularly scheduled tree clearance
Planned:
Complete engineering review and analysis

WHITEMARSH_141
Montgomery County
Completed:
Complete corrective reliability work orders
Inspect circuit visually and with thermographic camera
Planned:
Complete corrective reliability work orders
Perform regularly scheduled tree clearance

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