PECO Energy Company
2026 Summer Readiness Overview Report
June 1, 2026

As the summer season approaches, PECO Energy Company ("PECO" or the "Company") is prepared for planned and unplanned events. The Company bases its readiness on its reliability enhancement programs, preventive maintenance programs, and capacity planning. PECO's Summer Readiness Program is part of the Company's ongoing investment in the reliability, resiliency, and safety of the systems serving customers.

A. Reliability Enhancement Programs

PECO has several reliability enhancement programs that significantly contribute to the Company's successful performance. Under the Top Priority Circuits Program, PECO analyzes and completes reliability improvements on at least five percent (5%) of the system's worst performing circuits on an annual basis. The Company works to enhance reliability by installing reclosers for distribution automation, identifying and repairing issues through visual and thermographic inspections, increasing vegetation management activities, installing and upgrading fuses, and replacing cable and other equipment. In 2025, PECO continued its increased investment in the replacement of overhead components and infrastructure and underground cable, and in adding reclosers to its distribution system.

In 2025 alone, 120 new reclosers were installed, bringing the total to 3,663 system wide. These reclosers reduce the number of customers affected by outages and automatically restore service to sections of circuits where repairs are not needed.

In addition, PECO continues storm hardening activities through infrastructure improvements and vegetation management work. For instance, PECO removed approximately 9,400 priority trees in 2025 to enhance system performance and reduce service interruptions.

PECO continues advanced grid investments to enhance reliability through microprocessor-based relay upgrades, fiber optic communications among substations, disturbance monitoring equipment across the transmission system, modern computer systems for outage management, a geographic information system, and upgrades to distribution system real-time management. In addition, PECO continues to leverage and optimize the Advanced Metering Outage System ("AMOS"), which provides the ability to create, analyze and escalate customer outage events. As part of PECO's meter upgrades, AMOS has enhanced the Company's ability to support outage management of the new Advanced Meter Infrastructure ("AMI") meters. AMOS provides better visibility of an outage, which can lead to targeted restoration efforts. As of May 2026, more than 1.8 million electric meters and more than 580,000 natural gas AMI modules have been installed across the PECO service territory.

In 2025, PECO completed the fifth year of its second Long-Term Infrastructure Improvement Plan ("LTIIP") (or Reliability and Resiliency Plan) with increased

investment in three key areas: 1) improving storm hardening and resiliency measures; 2) replacing underground cable with higher risk profiles; and 3) replacing older and degraded substation switchgear.

PECO holds regular cross-departmental meetings to coordinate enhancement work with the Company's existing electric, natural gas, and vegetation management programs. The goal is to minimize the impact of the work on local communities and to ensure project work plans are communicated to customers and key stakeholders.

PECO's investments and operational excellence also support efficient service restoration when interruptions occur. CAIDI and SAIDI (the measures of interruption frequency and duration) are enhanced by PECO's LTIIP and other investments to improve reliability and resilience, especially by installation of tree-resistant overhead wire and replacement of cable for underground residential distribution. PECO also continues to use CAIDI response teams to have crews readily available for first-time repairs and will continue to evaluate opportunities for further improvement.

PECO continues to identify opportunities to investigate, develop, pilot, and leverage new technology. In particular, PECO has been using geospatial analysis tools to better identify areas of the system with local reliability challenges. Furthermore, PECO collaborates with reliability stakeholders to evaluate historical reliability data and predict the impact of proposed solutions. PECO also collaborates with Exelon Analytics to leverage machine learning to identify transformers and underground residential development cable sections that are at high risk of failure. Additionally, PECO is evaluating and piloting aerial and underground line sensors and automation technologies to enhance situational awareness for operators and reduce outage restoration times. Lastly, PECO continues to expand the use of drones for operational improvements (*see* Section B).

B. Preventive Maintenance Programs

PECO routinely performs numerous aerial and underground distribution system and transmission and substation preventive maintenance inspections, including substations, wood poles, distribution aerial circuits (such as automatic splice connections), padmount and below ground transformers, and recloser inspections. In addition, PECO inspects distribution capacitors and regulators and performs distribution preventative maintenance tree trimming. PECO's preventive maintenance programs have met or exceeded the inspection and maintenance requirements approved by the Public Utility Commission ("PUC" or the "Commission") since 2003, when the Commission's quarterly reliability reporting began.

PECO also completes comprehensive vegetation management programs on aerial distribution circuits and transmission lines to reduce customer power interruptions caused by vegetation-related events.

As part of PECO's aerial line inspections and a broader Circuit Patrol and Thermography Program, PECO inspects automatic splice connections and related equipment. PECO performs thermography (or infrared imaging) and visual inspection of the solid portion of aerial circuits on all distribution circuits every two years; and PECO inspects rear property tap portions of the circuit behind fuses are inspected every five years. Visual and thermographic inspections of aerial distribution lines help identify defects and allow the Company to repair them before they result in an outage event. In addition, three-phase reclosers are inspected regularly to ensure the distribution automation system is ready to automatically locate and isolate faults and reduce the number of customers interrupted. Overall, PECO ensures that the inspection and maintenance of its equipment will help to maintain and improve the reliability of electric service to its customers.

Uncrewed aerial systems/drone technologies are also being deployed at PECO on an opportunistic basis for storm damage assessment, post-construction audits, post-event transmission line patrols, and construction planning and design. Drones are also used to gain situational awareness in hard-to-access areas during various electric and gas operations.

Between January and April 30 of this year, PECO has completed 3,100 miles of aerial patrols and 1,500 miles of Vegetation trimming. In addition, PECO has completed inspections of 5,600 poles, 370 reclosers, 1,300 padmounts, and 1,370 substations.

C. Capacity Planning

Each year, as part of PECO's distribution capacity planning process, all distribution substation terminals and circuits are analyzed with data from the previous summer. As a result of this review, in 2025, PECO commenced 65 projects that were designed to address capacity-planning needs, increase distribution capacity, and increase reliability in the identified areas. These projects are now complete.

Peak load and possible under-frequency conditions were also assessed, leading to updates to the load shed database and lists of locations to block automatic load transfers.

Additionally, PECO is continuing a program initiated in 2017, on an as-needed basis, to install automated load transfer blocking schemes, which maximize the amount of time automatic load transfer is available, therefore increasing reliability.

PECO is actively assessing the impacts of growth in adoption of electric vehicles and behind-the-meter distributed energy resources, such as rooftop solar. Given the very low penetration rates of those technologies today, the impacts on peak summer loads in 2025 are expected to be minimal. Growth in adoption of air conditioning has generally been offset by improvements in energy efficiency, and both are reflected in historical data used for analysis of distribution substation and circuit capacity. Growth of electric heating has increased in certain areas of PECO's service territory, which has lead to new load trends for the winter season, which the Company is continuing to evaluate and create related projects to mitigate potential overloads.

PECO's Distribution Capacity Planning Department has been fielding a high volume of large-load inquiries from prospective data centers. This department reviews available capacity and provides high-level estimates of scope of work, cost, and time for supplying power. PECO ensures that these scopes of work meet the Company's design criteria for supplying safe and reliable service. Each request is considered with PECO's short-term and long-term system planning processes, where these large loads may prompt distribution substation upgrades, or customer connection to the transmission system where appropriate.

D. 2025 Storm Update and Lessons Learned

2025 was a relatively active storm year for PECO. The Company experienced 22 storm events of varying intensity, including five storms that were classified as "large" and five storms classified as "very large" or "extreme."

After a major storm event, PECO conducts a formal "lessons learned" review to evaluate the elements of the planning and response efforts to determine what worked well and what could be improved. Several initiatives have already been implemented based on recent lessons learned evaluations, including:

- Establishment of a more robust Road Closure team, including the creation of a dedicated Road Closure Emergency Response Manager role;
- Development of a Crew Guide process to support check-ins with non-native crews, ensuring adherence to standards and providing them with overall operational support;
- Implementation of a drone-on-call team to leverage drone technology for enhanced situational awareness and response capabilities; and
- Enhanced storm role checklists and job aids to provide clearer guidance and improved support for back-office storm personnel.

E. PECO's 2026 Summer Readiness

With the potential for severe storms this summer, PECO has been hard at work to ensure safe, reliable, affordable, and cleaner energy services for customers during the summer of 2026. The Company has invested in new technology and projects to prepare for heat and storms this summer, including upgraded substation equipment, new wires and poles, and increased inspections.

PECO completes hundreds of tasks to prepare for each summer season, including system work, testing, and storm exercises. PECO employees across the region are ready to respond to severe summer storms and/or emergencies, if needed. In addition, as part of the Exelon family of companies, PECO can draw on resources from sister utilities in Delaware, Maryland, New Jersey, Washington, D.C., and Illinois to restore power quicker after major storms.

PECO also maintains membership in two Regional Mutual Assistance Groups, which provide supplemental storm resources from across much of the United States and Canada for major storm events.

In addition to larger projects, PECO's Summer Readiness Program includes inspecting and maintaining aerial and underground electrical equipment, substations, and other facilities; upgrading, replacing, and repairing equipment to meet customer needs; conducting emergency response drills and other training for employees; and performing maintenance and testing of various computer and support systems.

1. Capacity Additions

PECO completed several transmission capacity additions over the last year. First, the Company upgraded relay equipment at Macdade, Printz and Morton substations to increase ratings of the 220-46 Line to address contingency overloads identified by PJM Interconnection ("PJM"). Second, PECO completed the transmission work associated with the new Civic substation project. The Civic project connected the new GIS substation to portions of existing 69 kV lines originally connecting Schuylkill to Angora, Schuylkill to Island Road, and Schuylkill to University lines. The project also retired oil-filled UGT portions of the Schuylkill to Island Road and Schuylkill to University lines which had existed in the Schuylkill Tunnel, and enabled new distribution capacity via Civic 13kV switchgear. These projects will help ensure system reliability is maintained through the summer season.

2. Supplemental Vegetation Management Maintenance Activities

PECO's Vegetation Management Department ("Vegetation Management") schedules an extended shift of tree crews from May through September. These crews are available to respond to emergency situations promptly during the peak storm season. Vegetation Management also completes an annual ground patrol of electric transmission lines, conducts patrols of aerial distribution network operating lines, and completes all identified emergent work before June 1 of each year. Vegetation Management additionally uses dedicated funding to manage the Emerald Ash Borer Program, which focuses on mitigating high-risk ash trees that could impact PECO facilities.

3. Employee Preparations/Training

PECO's annual Summer Readiness Program includes emergency response drills and training for employees, such as summer equipment preparations, reviews of personal protective equipment, inspections of buildings and substations, and testing of computer and support systems. As part of this effort, the PECO Emergency Preparedness Team (the "EP Team") is conducting tabletop exercises with the Company's Emergency Response Organization teams to strengthen storm response by ensuring that processes, procedures, and checklists are accurate, effective, and aligned with operational needs.

The Company also continues to collaborate closely with utility partners across the country, including with sister Exelon utilities, to identify and implement best practices in emergency preparedness and training.

4. Event Preparedness

Procedures and checklists are continually enhanced and updated to improve clarity and comprehensiveness. These procedures and checklists are reviewed and utilized during seasonal ready drills to ensure understanding and further refine processes. The drills may include the following elements: (1) substation fire, with participation by the local fire company at a substation; (2) environmental; (3) security (i.e., suspicious package found in substation); (4) load shed; (5) road closures; and (6) wildfire response. In addition, separate drills for specific events are conducted, including substation physical security, serious injury and fatality, electronic work packages, crew sharing and integration amongst Exelon utilities, exercising common processes and communications for larger events involving multiple Exelon utilities, and a "substation-based" restoration methodology utilized to focus on concentrated areas of impact.

5. Transmission and Substation Preparedness

PECO's transmission and substation preparedness includes the following: completion of preventative maintenance; identification and completion of corrective maintenance at critical substations, including generating substations; identification and completion of corrective maintenance on transmission lines; annual sump pump maintenance in substations; and verification of spare equipment and parts availability, including mobile transformers and portable units. The mobile transformers can be used as spare transformers in case of equipment failures during extreme weather events. PECO also actively participates in the Spare Transformer Equipment Program, a national utility member group hosted by Edison Electric Institute, focused on identifying ways to share transformers among participating members, if necessary. Further, PECO belongs to a complementary program, SPARE Connect, which provides another mechanism for Bulk Power System ("BPS") asset owners and operators to network concerning the possible sharing of transformers and other transmission related equipment, including bushings, fans, and auxiliary components. SPARE Connect is open to all BPS owners and operators in North America. In addition, PECO has designed and procured emergency overhead transmission structures capable of being installed quickly to address emergent structural failures on both 500kV and 230kV transmission lines.

6. Transmission Planning

In 2025, Transmission Planning, in collaboration with PJM, conducted look-ahead planning studies for the year 2030. All required transmission needs for the PECO system to meet the reliability standards and criteria of the industry, the region, and the Company were identified and are going to be constructed as an integral part of PECO's Summer Readiness Program. These critical summer projects are completed to ensure that the load can be reliably served throughout the season.

F. Storm Response

1. Storm Preparations

Once a potential storm threat is identified, PECO initiates its pre-event planning and preparations. PECO's EP Team implements a "scalable approach" for crew mobilization as the potential for storm-related damage in the service territory increases. For anticipated significant weather events, such as hurricanes, PECO initiates pre-event planning and preparations days before an event. For events with minimal advance warning, the EP Team responds based on pre-established procedures and checklists.

As part of its preparations, PECO identifies the applicable needs and secures additional personnel to supplement PECO's resources for restoration and tree trimming. Additional personnel can be obtained through approved local contractors, PECO's sister Exelon utilities (Atlantic City Electric, Baltimore Gas and Electric Company, Commonwealth Edison, Delmarva Power, and PEPCO Holdings), as well as resources through mutual assistance organizations in which PECO is a member (the North Atlantic Mutual Assistance Group and the Southeastern Electric Exchange). Independent contractors from across the country can also be called upon to augment resources even further. PECO's EP Team maintains contacts for these contractors and can secure their support if other resources are constrained.

Another key component of PECO's storm preparedness is communication and outreach. PECO conducts frequent interviews and briefings with the media to discuss storm preparations, planning, and customer outage expectations. During significant events, PECO conducts daily conference calls with elected officials and local governments, state regulatory and elected officials, and municipal and county governments. Particular attention is paid to the county 911 centers and emergency responders to ensure coordinated preparations and PECO employee staffing at 911 centers when appropriate.

Additionally, PECO encourages customers to prepare before severe weather hits. For example, customers are encouraged to visit peco.com/Alerts to choose how to receive information (via text, email, or phone), including when power is out in their area, when service is expected to be restored, and/or when power is restored. Customers are also encouraged to text "ADDOUTAGE" to MYPECO (6973260) to enroll in the Company's two-way texting program to report outages and to check the status of their outage.

As part of an ongoing initiative with the counties in the Company's service territory, PECO continues to work with the county 911 centers that are still considering developing an automated interface with PECO's systems to submit outage tickets directly into PECO's systems. Currently, the Counties of Delaware, Chester, and Montgomery have implemented interfaces to PECO's system, and PECO anticipates that Bucks County will have implemented an interface within the next year or so. Philadelphia County has also expressed interest but has not pursued developing an interface to this point. York County is currently not interested.

2. Outage Restoration Strategy

PECO follows an overall system restoration priority strategy that results in the most effective way to restore service to all customers who are geographically dispersed throughout PECO's service territory.

For all severe weather events, PECO's first step in its restoration strategy is to ensure that the general public and field crews are safe.

PECO's next step for addressing outages is to target restoration to any impacted transmission lines and substations to restore capacity within the affected area. Then, any possible switching to re-route power to customers is performed. PECO then evaluates the remaining primary outage event list and dispatches repair crews in descending order of the number of affected customers, simultaneously prioritizing "critical customers," such as police and fire stations, hospitals, nursing homes, public water and sewer facilities, and communication systems. In this manner, repairs are performed that will restore service to the largest number of customers in the least amount of time, while still addressing the "critical customers" as quickly as possible. PECO thereafter restores power to smaller outages within neighborhoods and individual services.

For logistics associated with major storm events, PECO makes extensive use of its existing service centers for staging materials and mutual assistance crews. PECO operates a number of permanent service centers in each county, which include office facilities, as well as materials and supply staging for normal operations. Additional supplies and materials are delivered to the service centers as needed to respond to storm events. This approach allows PECO to disperse crews and materials from numerous sites, which are located throughout the service territory. This arrangement allows the crews and materials to be staged as close as possible to the areas of damage, as opposed to a small number of centralized staging areas. The relatively small footprint of PECO's service territory makes this approach effective for most storm responses.

For extreme storms, temporary staging centers are set up at "non-PECO" facilities such as hotels, fire houses, and similar facilities. When the number of mutual assistance crews exceeds the capacity of the PECO service centers to manage those crews effectively, these supplemental facilities are activated. Arrangements and relationships with these non-PECO facilities are made in advance and maintained to ensure availability and concurrence with the facility owners. Materials and supplies are delivered to these facilities for use by the mutual assistance teams, and oversight and control is provided by PECO personnel. Inventories at service center storerooms, PECO's central storeroom, and with key vendors are monitored to ensure adequate stocking level.

In addition to base camp locations, PECO has partnered with several universities within PECO's service territory to leverage dormitory space during off peak seasons as a contingency lodging option for non-native crews. This plan would be implemented if hotel

availability was limited due to a large event occurring at the same time as the storm (a political convention, for instance).

3. Communication and Outreach

PECO strongly believes that open, transparent customer communication before, during, and after a storm or emergency is critical. The Company conducts regular outreach with stakeholders through all available communication channels, including: earned and paid media; direct communication, including via PECO's Customer Care Center and automated phone system, which provides customers with storm and restoration status information and an estimated time of restoration through an up-front Interactive Voice Response message; Storm Center, which is a dedicated section of PECO's website that provides updates on emergency and restoration information; and a link to the Company's interactive outage map, which provides more information about outages by location.

Since 2016, PECO's website provides anytime, anywhere access for customers. The responsive design of the site optimizes the online experience for customers from any online device – mobile, tablet, and desktop. Customers can easily access important account information and customize their online experience, including reporting and checking the status of outages and viewing their energy usage.

By visiting peco.com/Alerts, customers can also choose how they would like to receive information (via text, email or phone), including when power is out in their area, when service is expected to be restored, and/or when power is restored. PECO's outage emails were enhanced this year to include more customer-friendly language, useful outage preparation tips and links to online resources for outage-related information. Additionally, by texting "ADDOUTAGE" to MYPECO (697326), customers can enroll in PECO's two-way texting program to report outages and check the status of their outage.

In more severe outage events, PECO also makes proactive calls to customers expected to experience the most extended outages to ensure they are aware of the extent of conditions so they can make necessary plans.

The media is another important vehicle for communicating with customers and other stakeholders. Throughout storm events, PECO conducts numerous interviews with local and regional print, broadcast, and radio outlets to provide important outage-related information.

In addition to traditional media, the Company uses social media (Facebook, X (formerly Twitter), Instagram, and YouTube) to provide customers and stakeholders with storm preparedness, restoration updates, emergency contact information, outage reporting procedures, and important safety information. PECO responds to public and private customer inquiries on social media regarding emergencies.

PECO also maintains close contact with elected and regulatory officials through personal outreach and regular follow-up communication. During major storms, PECO

stays in continuous contact with PUC Commissioners and key staff through daily statewide conference calls, ad hoc outreach, PUC visits to the storm center and service territory, as well as daily routine reporting on storm status. During significant events, PECO conducts daily conference calls with elected officials and local governments, state regulatory and elected officials, and municipal and county governments. Particular attention is paid to the county 911 centers and emergency responders to ensure coordinated preparations and PECO employee staffing at 911 centers when appropriate.

In addition, calls are made to state legislators in the service territory's Harrisburg and district offices and the district offices of Southeastern Pennsylvania members of Congress.

Outreach also is made to local municipal officials and to the emergency responders in PECO's service territory. Specifically, PECO utilizes regular email updates and a text alert system for municipalities to provide information about restoration efforts and the number of overall and municipality-specific outages.

Finally, PECO's communications include continuous contact with Company employees and contractors through regular email updates from the Emergency Response Organization. These messages ensure that employees and contractors are fully aware of the extent of the storm and the restoration process, as well as providing a continual channel to emphasize employee, contractor, and customer safety.

G. Supply Chain Issues

PECO has responded to the global supply chain situation through the implementation of a set of initiatives that leverage our relationships with our integrated suppliers, fellow Exelon operating companies, and the enhanced utilization of our repair facilities. Current strategies include:

- Completely stocking up on storm kits. The Company has 275 storm kits staged at storerooms across the territory. PECO has an additional 100 kits worth of material in one of its warehouses. Three storm trailers are also available to be moved anywhere in the territory. These trailers combine for an additional 60 kits worth of material.
- Utilizing the flexibility of its centralized supply model to allow material sharing across Exelon operating companies, as well as swapping production slots as material needs are identified.
- Utilizing the continued support of Material Risk Task Forces to discuss at-risk material. PECO's Supply department works collaboratively with the business and engineering departments to develop alternate material and/or suppliers for at risk items. This process prioritizes the reserve levels of critical emergent restoration materials. These emergent material inventory levels are then segregated from general use inventories. Materials reviewed are distribution transformers, poles, wire and cable, meters, and other electric distribution equipment components.

H. Wildfire Preparedness

In the event of a wildfire or fire weather conditions, PECO has created supporting documents, including a procedure and call scripts to support employees responding to the incident. Each Spring, PECO's EP Team facilities a tabletop exercise to reinforce expectations and review a potential scenario involving a wildfire on system. Safety bulletins have been created to support situational awareness during fire weather watch and red flag warnings. An email distribution group is maintained on an annual basis to ensure key stakeholders receive fire weather warnings from our weather vendor in a timely fashion. A wildfire risk dashboard was created from a wildfire risk analysis to understand each PECO assets risk level.