

Pennsylvania Summer Reliability

FirstEnergy Pennsylvania Electric Company

A. Reliability Enhancement Programs

FirstEnergy Pennsylvania Electric Company (“FE PA” or the “Company”) on behalf of its Met-Ed Rate District (“Met-Ed”), Penelec Rate District (“Penelec”), Penn Power Rate District (“Penn Power”), and West Penn Rate District (“West Penn”) remains committed to providing safe and reliable electric service to its customers and employs various programs to strengthen the durability and flexibility of its electric system. Methods to improve the efficiency, adequacy and reliability of its distribution system are a continual focus. FE PA utilizes core programs to support cost-effective and reliable service. These programs include, but are not limited to:

- Long-Term Infrastructure Improvement Plans (“LTIIP”)
 - The Company first began to execute its PA LTIIP programs in 2016. In 2025, the Company began its LTIIP III, which was approved by the Pennsylvania Public Utility Commission (“Commission”). The LTIIP III program shifted to deeper and focused investments into circuits and projects with the most impactful solutions. Investments in system resiliency include: addressing worst performing circuits with targeted reconductoring, rehabilitation, selective undergrounding, relocations and adding supervisory control and data acquisition (“SCADA”); voltage conversion to increase operational flexibility and reduce line/equipment failure; substation modernization to add SCADA and strengthen the infrastructure; and circuit protection, sectionalizing, automation creating tie points for resiliency and operational flexibility. These investments will reduce the number of outage events, reduce the number of customers affected by an event, and enable faster restoration, combining to significantly improve the customer experience.
- Vegetation Management
 - FE PA performs vegetation management on its distribution circuits in order to promote the continued safe and reliable operation of its distribution system. The vegetation management program specification is designed to support line reliability, maintain access, enable repairs, or support service restoration and to strengthen safe and reliable service. The vegetation management program specification prunes vegetation to achieve required cycle clearance, with circuits generally on four to five year cycles, which includes removing selected incompatible trees within the clearing zone corridor; removing certain defective limbs that are overhanging primary conductors; controlling selected incompatible brush mechanically or using herbicide, or both; selectively relieving limbs causing mechanical strain on secondary/service lines; and removing targeted off-corridor priority trees that are dead, dying, diseased, and leaning or significantly encroaching the corridor.
 - Forestry is leveraging advanced analytic and remote sensing technology to assess vegetative condition and risk to drive risk informed decisions to forestry investments to operate more effectively and drive impactful work completion. This includes plans to perform a dead tree detection project through remote

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sensing of aerial imagery to further quantify system condition and drive investment decisions.

- Portions of a circuit that experience high customer interruption minutes due to vegetation-caused outages may be targeted to include the removal of certain healthy limbs which overhang primary conductors based on tree species and condition.
- In response to damage caused by the Emerald Ash Borer, a program to proactively remove Ash Trees off right-of-way has been implemented.
- Post-storm circuit patrols target the areas with high tree-related outages. Circuit patrols identify trees damaged in a storm that may eventually lead to a future outage. Once identified, the tree is removed. In addition, damaged equipment identified as part of the circuit patrol is repaired or replaced.
- Load Forecasting and Distribution Planning
 - The load forecasting application is used to estimate future substation and circuit loading based upon historical load data. The planning criteria guidelines are then used to provide a consistent approach for planning the safe, reliable, orderly, and economic expansion of the distribution system.
- Customers Experiencing Multiple Interruptions (“CEMI”)
 - The CEMI program includes distribution line equipment projects focused on reducing the number of outages per customer and the number of customers affected by frequent outages. FE PA completed 167 CEMI projects in 2025.

Rate District	# of CEMI Projects
Met-Ed	58
Penelec	41
Penn Power	42
West Penn	26
Total	167

- Circuit Protection and Sectionalizing
 - Circuit protection and sectionalization is aimed at identifying and correcting or improving coordination between protective devices and isolating smaller segments of the circuit with the goals of ensuring safety and security to the public and employees; maximizing service reliability to customers by reducing the number of customers impacted and the frequency and duration of outages; and minimizing damage to distribution equipment due to overcurrent events. FE PA replaced or installed a total of 399 devices in 2025 on circuits which were selected based on overall performance as well as protection needs.

Rate District	# of Devices
Met-Ed	71
Penelec	71
Penn Power	60
West Penn	197
Total	399

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- Circuit Improvement
 - Circuit sections are targeted for upgrades that may include equipment replacement, reconductoring, and the creation of circuit ties and loops between radial sections of circuits. When ties and loops are available, circuits can be switched during outages to enable faster service restoration. In 2025, FE PA completed 60 circuit improvement projects.

Rate District	# of Projects
Met-Ed	17
Penelec	15
Penn Power	5
West Penn	23
Total	60

- Overhead Circuit Replacement/Rehabilitation
 - To strengthen its electrical system, FE PA performs targeted circuit rehabilitation, focusing on circuits having a high rate of equipment and line failure and animal-caused outages. Equipment that may be replaced includes conductor, crossarms, capacitors, insulators, lightning arresters, and connectors. In 2025, FE PA rehabilitated a total of 185 circuits.

Rate District	# of Circuits
Penelec	55
Penelec	38
Penn Power	19
West Penn	73
Total	185

- Remote Sectionalizing (Distribution Automation Preparation)
 - Devices, typically reclosers and switches, are being installed with supervisory control and data acquisition (“SCADA”) to allow for remote operation to restore service to customers when an outage occurs. Remote switching eliminates the need to dispatch crews to manually operate the switches, resulting in fewer customers affected and reduced outage duration. FE PA installed SCADA devices on 209 projects in 2025.

Rate District	SCADA Projects
Met-Ed	66
Penelec	103
Penn Power	13
West Penn	27
Total	209

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- Substation Equipment Replacement
 - Substation circuit breakers, station transformers and other substation equipment, such as insulators, switches, buses, arresters, and conductors that are obsolete or in poor condition are being replaced with new equipment. Proactively replacing older equipment increases substation reliability and reduces the occurrence of equipment failure. FE PA replaced 21 pieces of substation equipment in 2025.

Rate District	SCADA Projects
Met-Ed	8
Penelec	11
West Penn	2
Total	21

B. Preventative Maintenance Programs

In accordance with 52 Pa. Code § 57.198, every two years FE PA files a Biennial Inspection, Maintenance, Repair and Replacement Plan¹ (“Biennial Plan”) for approval by the Commission. This Biennial Plan is designed to reduce the risk of outages on the Company’s system and form the basis for the Company’s inspection and maintenance objectives. The Biennial Plan includes programs to conduct vegetation management, pole inspections, distribution overhead line inspections, distribution transformer inspections, recloser inspections and substation inspections. Beginning in 2025, FE PA increased the frequency of overhead distribution inspections from a five-year cycle to every two years, significantly enhancing proactive maintenance and risk reduction.

These well-established maintenance programs ensure the existing system will continue to operate in a safe and reliable manner and serve to identify any potential system issues so they can be proactively addressed.

C. Capacity Planning

Due to ongoing system enhancements and the hard work of employees and contractors, FE PA is able to reliably serve its customers. The primary driver of customer demand this summer is again expected to be warm temperatures across the region.

¹ On September 29, 2023, FE PA, through its predecessor operating companies, submitted the Biennial Inspection, Maintenance, Repair and Replacement Plans for the period January 1, 2025 through December 31, 2026. On April 19, 2024, revised FE PA I&M plans were approved by the Commission by Secretarial Letter issued on April 24, 2024 at Docket No. M-2009-2094773 and M-2023-3039027.

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The potential impact of increased electrification, electric vehicles (EVs), and behind-the-meter (“BTM”) generation is still being evaluated. FirstEnergy Corp. (“FirstEnergy”) and its affiliates perform sensitivity studies based on assumptions of changes in load and generation to assess potential impacts to the transmission system. However, even though these sensitivity studies may provide insight into transmission system performance under the different scenarios, they do not provide actionable information. FirstEnergy continuously assesses the performance of its transmission system and develops reliability enhancement projects based on the facts known at the time. As more solid information about electrification and the adoption of EVs develops, FirstEnergy will be prepared to ensure the reliability of the transmission system. FirstEnergy has seen an increase in BTM generation and net-metering generation being added to the system recently. As that trend continues, the impact of those generation resources on the performance of the transmission system will be better understood, informing FirstEnergy’s transmission planning process for future transmission projects to ensure the transmission system continues to be efficient, reliable, and resilient.

FE PA does not foresee significant concerns with system delivery capacity during the upcoming summer based on its performance during last summer’s peak. Ongoing facility enhancements designed to improve reliability, load-bearing upgrades, and customers’ adoption of energy efficiency and conservation opportunities are being viewed as additional opportunities to ensure the reliability and capacity availability of the system. FE PA has no immediate concerns on impact of increased electrical and behind the meter Distributed Energy Resources (DER), EVs and Data Centers as there are no new, large loads over 50 Mega-Volt-Amperes (“MVA”) expected to come on in 2026. FE PA has over 5,300 Megawatts (“MW”) of data center load either recently studied or currently under study. FE PA is also seeing an increase in the requests for DER connections and currently has approximately 150 requests totaling nearly 400 MW of DER in the study process. FE PA has not seen a significant impact from EV connections.

D. 2025/2026 Storm Update and Lessons Learned

In calendar year 2025, FE PA’s Rate Districts had a total of 31 reportable² storm events, of which 7 were also major events. Events shown by Rate Districts:

Rate District	Reportable Events	Major Events
Met-Ed	11	1
Penelec	9	3
Penn Power	1	1
West Penn	10	2
Total	31	7

² “Reportable” is defined as an event where filed reports are necessary to the Pennsylvania Public Utility Commission.

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During restoration efforts, working safely and efficiently is the main objective. Regional conference calls are held for preparation and logistics planning. Effective planning allows for the precise deployment of crews, supplies, and equipment. Employees are also staggered around the clock as necessary to maximize restoration efficiency.

After each significant storm event, FE PA leadership conducts post-storm review meetings to identify and disseminate lessons learned which are used to improve the emergency response plan.

FE PA has implemented new technology to improve emergency callout efficiency and resource tracking and management. This new process improved resource visibility leading to more strategic resource management throughout storm events.

FE PA has:

- Continued to publish Incident Action Plans shortly after the Company is predicted to be affected by a weather event and for each operational period throughout the event;
- Improved pre-staging processes to ensure staffing engaged at the start of an event and in best locations;
- Continued to stagger shifts to maximize restoration efficiency and safety of restoration crews; and
- Continued efforts to maintain communications and Incident Command System (“ICS”) roles and responsibilities through organizational changes.

Also, FE PA implemented a new outage management system in 2022. Benefits of the new system include enhanced system monitoring allowing distribution system operators to respond more quickly to outages; remote configuration to enable the safe isolation of equipment, preventing outages, and allowing for safer and more efficient restoration; and advanced monitoring and control capabilities improving situational awareness and increasing efficiency.

FE PA continues to work on safely restore all customers in a timely and efficient manner.

E. 2026 Summer Readiness

Capacitor Inspections – FE PA will continue to inspect and make repairs or replacements to ensure the majority of capacitors are functional and available for use.

Substation – FE PA will inspect all substation capacitor banks by July 10, 2026. All necessary repairs or replacements will be completed to achieve a minimum of 98% available reactive support. In addition, a review of spare equipment will also be completed. Spare equipment includes voltage regulators and substation cooling items such as transformer fans.

By July 1, 2026, Met-Ed and Penelec will have cleaned and inspected all transformer cooling systems. Cleaning removes the accumulation of Cottonwood seedlings that are released each May and June. In addition, fans and pumps are inspected and their functionality verified.

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Capacity Additions:

Met-Ed Rate District work performed by Mid-Atlantic Interstate Transmission, LLC, (MAIT):

- **Baldy – South Hamburg 69 kV 879 Line Rehab/Rebuild (PJM RTEP s1893.1-3)** – Rebuild approximately 30 miles of Baldy – South Hamburg 69 kV Line. Replace terminal equipment at Baldy and South Hamburg Substations. This equipment is in service.
- **Bernville – South Hamburg 69 kV 825 Line Rebuild (PJM RTEP s1898.1-3)** – Rebuild approximately 10.5 miles of Bernville – South Hamburg 69 kV 825 Line. Replace terminal equipment at Bernville and South Hamburg Substations. The equipment is in service.
- **Campbelltown – Middletown – North Hershey 69 kV 72 Line Rebuild (PJM RTEP s2170.1-5)** – Rebuild approximately 20 miles of the Campbelltown –Middletown – North Hershey 69 kV 72 Line. Replace terminal equipment at Campbelltown, Middletown, and North Hershey Substations. This equipment is in service.
- **Myerstown – South Lebanon 69 kV 20 Line Rebuild (PJM RTEP s1909)** – Rebuild approximately 7.7 miles of the Myerstown – South Lebanon 69 kV 20 Line. Replace terminal equipment at Myerstown and South Lebanon Substations. This equipment is in service.
- **North Boyertown – Ringing Rocks 69 kV 826 Line Rebuild/Rehab (PJM RTEP s1905.1-4)** – Rebuild approximately eight miles of the North Boyertown – Ringing Rocks 69 kV 826 Line. Replace terminal equipment at North Boyertown, Cabot Tap, County Line and Middle Creek Substations. This equipment is in service.
- **South Reading 69 kV Breaker-and-a-Half (PJM RTEP s1726)** – Reconfigure the South Reading 69 kV yard into a 19-breaker breaker-and-a-half layout. Upgrade terminal equipment on South Reading – West Reading No 1 69 kV 26 Line. This equipment is in service.
- **Jackson – Westgate 115 kV 966 Line Terminal Upgrades (PJM RTEP s1818.1-3)** – Upgrade limiting terminal equipment on Jackson – Westgate 115 kV 966 Line. This equipment is in service.
- **South Lebanon 230 kV Ring Bus (PJM RTEP s1907.2-.3)** – Convert South Lebanon 230 kV yard into a five-breaker ring bus. This equipment is in service.
- **Westgate 115 kV Tie Breaker (PJM RTEP s2035)** – Install a new 115 kV Tie Breaker at Westgate Substation. This equipment is in service.
- **Northwood 115 kV Ring Bus (PJM RTEP s2038)** – Convert Northwood 115 kV yard into a 3-breaker ring bus. This equipment is in service.
- **North Hershey – Turf Club 69 kV 63 Line Rebuild (PJM RTEP s1903)** – Rebuild approximately 4.5 miles of North Hershey – Turf Club 69 kV 63 Line. Replace terminal equipment at North Hershey, Grantville, and Turf Club Substations. This equipment is expected to be in service on June 29, 2026.
- **North Hershey 69 kV Ring Bus and New 230-69 kV Transformer Installation (PJM RTEP s3264.1)** – Convert North Hershey 69 kV yard into a four-breaker ring

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- bus. Install a second 230-69 kV Transformer. This equipment is expected to be in service on July 10, 2026.
- **Jackson – PH Glatfelter 115 kV 994 Line Terminal Upgrades (PJM RTEP s2481.1-2)** – Upgrade limiting terminal equipment on the Jackson – PH Glatfelter 115 kV 994 Line. This equipment is in service.
- **New Van Reed Substation (PJM RTEP s1767.1-3)** – Tap the North Temple – North Hill 69 kV 835 Line to build a new Van Reed 69/13.2 kV Substation. This equipment is expected to be in service on June 5, 2026.
- **Allen 115 kV Ring Bus (PJM RTEP b3715.3)** – Convert Allen 115 kV yard into a four-breaker ring bus. This equipment is expected to be in service on June 12, 2026.

Penelec Rate District work performed by MAIT:

- **Lewistown – Mount Union 46 kV Line Rebuild (PJM RTEP s1733)** – Rebuild approximately 30 miles of Lewistown – Mount Union 46 kV Line. Replace terminal equipment at Lewistown and Mount Union Substations. This equipment is in service.
- **Yeagertown 46 kV and 230 kV Ring Bus and New 230-46 kV Transformer (PJM RTEP s1773.1-7)** – Convert Yeagertown 230 kV and 69 kV yards into a 6-breaker and a 4-breaker ring bus, respectively. Install a third 230-46 kV Transformer. This equipment is in service.
- **Altoona No. 1 230-46 kV Transformer (PJM RTEP s2306)** – Replace the Altoona No. 1 230-46 kV transformer with a higher capacity unit. This equipment is in service.
- **Yeagertown No. 2 230-46 kV Transformer (PJM RTEP s3270.1)** – Replace the Yeagertown No. 2 230-46 kV transformer with a higher capacity unit. This equipment is in service.
- **SGC Tap – Summit 46 kV SG Line Rebuild (PJM RTEP s3629.1)** – Rebuild/Reconductor approximately 1.4 miles of the SCG Tap – Summit 46 kV Line. This equipment is expected to be in service on June 5, 2026.
- **Summit 115 kV and 46 kV Ring Bus and Transformer Replacement (PJM RTEP s1755.1-6)** – At Summit substation, create a 115 kV five-breaker ring bus and a 46 kV eight-breaker breaker-and-a-half layout. Replace the No. 1 and No. 2 115/46 kV Transformers. This equipment is in service.
- **Collinsville 46 kV Ring Bus (PJM RTEP s1922.1-10)** – Convert Collinsville 46 kV Substation into a six-breaker ring bus. Create new Altoona – Pleasant Valley (Park Plaza) 46 kV Line. This equipment is in service.
- **Hill Valley (Shade Gap) 115 kV SHV Line Terminal Upgrades (PJM RTEP s2049)** – Upgrade limiting terminal equipment on the Hill Valley (Shade Gap) 115 kV SHV Line. This equipment is in service.
- **Blairsville East – Seward 115 kV Line (PJM RTEP s3395.1)** – Load Interconnection for Texas Eastern Transmission on the Blairsville East – Seward 115 kV Line. This equipment is in service.
- **Warriner Pond Substation (PJM RTEP b3245)** – Create a new Warriner Pond 115 kV breaker-and-a-half substation. This equipment is expected to be in service June 11, 2026.

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- **East Towanda – North Meshoppen 115 kV ETL Line Rebuild** – Rebuild approximately 2.5 miles of the East Towanda – North Meshoppen 115 kV ETL Line. Upgrade terminal equipment at East Towanda and North Meshoppen Substations. This equipment is in service.
- **Seward Substation (PJM RTEP b3750)** – Replace the 115 kV South Bus and associated terminal equipment at Seward substation. This equipment is in service.

Penn Power Rate District work performed by-American Transmission Systems, Inc. (ATSI):

- **West Chippewa 69 kV Ring Bus (PJM RTEP s1717)** – Convert West Chippewa substation into a five-breaker ring bus. Create a new double circuit 69 kV line from West Chippewa Tap into the new West Chippewa ring bus. This equipment is expected to be in service June 19, 2026.
- **Hoytdale No. 1 Transformer Replacement (PJM RTEP s1961)** – Replace the No. 1 Hoytdale 345/138 kV Transformer. This equipment is in service.
- **Sharon 138 kV Breakers (PJM RTEP s2263)** – Replace the 138 kV breakers and associated terminal equipment at Sharon Substation. This equipment is in service.
- **Sharon 69 kV Control Building (PJM RTEP s2869)** – Replace the control building at Sharon 69 kV Substation. Replace terminal equipment at Sharon and McDowell Substations. This equipment is in service.
- **Bruce Mansfield 345 kV Power Plant Separation (PJM RTEP b3124)** – Separate FE Generation from FE Utilities at Bruce Mansfield 345 kV Power Plant. This project is expected to be completed on June 12, 2026.

West Penn Power Rate District work performed by Keystone Appalachian Transmission Co (KATCo):

- **Fawn – Gobain 138 kV Line Terminal Upgrades (PJM RTEP s3161.1)** – Upgrade limiting terminal equipment on the Fawn – Gobain 138 kV Line. This equipment is in service.
- **Franklin – Pursley 138 kV Line Terminal Upgrades (PJM RTEP s3107.1)** – Upgrade limiting terminal equipment on the Franklin – Pursley 138 kV Line. This equipment is expected to be in service on July 17, 2026.
- **Harrison City – Penn 138 kV Line (PJM RTEP s3125.1)** – Load Interconnection for Ebara Elliott Energy on the Harrison City – Penn 138 kV Line. This equipment is in service.
- **Grand Point – Guilford 138 kV Line (PJM RTEP s3481.1)** – Load Interconnection for Martin’s Pastries on the Grand Point – Guilford 138 kV Line. This equipment is in service.
- **Charleroi and Washington 138 kV Substation Terminal Upgrades (PJM RTEP s3460.1)** – Replace limiting terminal equipment at Charleroi and Washington 138 kV Substations. This equipment is expected to be in service on July 10, 2026.
- **Charleroi – Yukon No. 2 138 kV Line Terminal Upgrades (PJM RTEP b3742)** – Replace limiting terminal equipment on the Charleroi – Yukon No. 2 138 kV Line.

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- Replace terminal equipment at Charleroi and Yukon 138 kV Substations. This equipment is in service.
- **Shingletown No. 82 Transformer (PJM RTEP b3681)** – Install one new 230 kV breaker and associated equipment on the No. 82 Transformer at Shingletown. This equipment is in service.
 - **Dutch Fork – Windsor 138 kV Line (PJM RTEP s3755.1)** – Load Interconnection for MPLX Carpenter North on the Dutch Fork – Windsor 138 kV Line. This equipment is in service.

Transmission Preparedness – An annual transmission readiness review is coordinated by FirstEnergy’s transmission operations services department with FE PA for the purpose of ensuring the capability and reliability of the system for the summer. The detailed review did not reveal any significant issues for the summer of 2026. Based on the system conditions modeled, the FE PA transmission system is expected to sufficiently support the forecasted peak summer loading.

Two aerial maintenance patrols are conducted annually via helicopter by FE PA’s Transmission Maintenance section to inspect transmission facilities for all FE PA Rate Districts. The purpose of the routine patrols is to ensure the integrity of in-service transmission lines to maintain safe and reliable service. As of June 1, 2026, one aerial patrol has been completed for all FE PA Rate districts, and the second aerial patrols for each rate district will be completed by year end 2026.

Emergency Exercise – As part of the FirstEnergy Utilities (“FEU”) Emergency Preparedness program, FE PA’s Rate Districts complete annual emergency exercises. Each exercise facilitates the testing and validation of key emergency response roles, systems, and processes. The primary objective of the exercise is to ensure a complete understanding of the restoration process by all participants through exposure to a variety of real-world scenarios and decision-making challenges that could be experienced during actual restoration events. The emergency exercise occurred on March 6, 2026 for all FE PA personnel.

Event Preparedness – FirstEnergy’s in-house meteorologists use highly sophisticated, proprietary data and forecasting models specifically designed to provide actionable intelligence. When predicted weather meets specific criteria, planning and preparation work is immediately initiated, often days before the forecasted impact.

As part of the preparation efforts, FE PA’s executive leadership and operations managers implement the emergency restoration process. Based on available data, resource needs are evaluated, and requests are submitted to the FEU Emergency Operations Center. These requests can include but are not limited to line resources (both internal to FirstEnergy and external), hazard responders, damage assessors, public protectors, vegetation crews, and equipment and material needs. Depending on the predicted magnitude of the event, pre-identified staging areas can be quickly activated to prepare for the efficient deployment of crews and equipment.

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Refresher Training – All employees with emergency response roles receive appropriate refresher training at specified intervals to ensure they are immediately deployable when an event impacts the system. Employees complete appropriate training and verify all equipment and personal protective equipment are available and in proper working order. These expectations are communicated each year during emergency exercises and verified by FE PA management.

Staffing – FE PA is staffed for the 2026 summer storm season with plans to continue recruiting and hiring qualified craft workers and apprentice-level craft workers. FE PA performs an annual staffing analysis that accounts for attrition, including transfers, retirements and separations, to determine the proper staffing levels of craft workers. In 2025, FE PA successfully launched the apprenticeship program with plans to continue hiring as needed with two cohorts planned for 2026. The Apprenticeship Program will provide apprentice employees with internal classroom learning led by qualified instructors as well as hands-on field training. The objective of the apprenticeship program is to proactively hire a diverse group of individuals that will fulfill the line work and substation electrician staffing needs for FE PA. FE PA has developed and is implementing a hiring plan in line with commitments agreed to in our Pennsylvania Base Rate Case settlement, including replacing the prior year’s attrition, plus 10% by rate district and local union.³ This additional staff will be a combination of Journeymen-level and Apprentice-level craft workers. By hiring Journeymen-level craft workers as well as Apprentice-level craft workers, FE PA will have fully qualified employees who will require minimal training in addition to a compliment of learning employees to help replenish future staffing needs due to attrition or other factors. The total number of 119 distribution line workers, journeymen and apprentices, and 26 substation line workers are included in the 2026 hiring plan. The breakdown by rate district is as follows:

Rate District	Journeyman Line Workers	Apprentice Distribution Line Workers	Substation Line Workers
Met-Ed	46	43	9
Penelec		20	7
Penn Power		7	
West Penn		3	10
Total	46	73	26

For larger-scale events, FE PA is able to supplement its own resources by engaging FirstEnergy’s portfolio of operating companies that includes the four rate districts located within Pennsylvania, as well as an additional six operating companies in other jurisdictions. The consistency in standards and work practices employed across all ten of these operating

³ PaPUC, et al. v. FirstEnergy Pennsylvania Electric Company, Docket Nos. R-2024-3047068, et al. (Order entered November 21, 2024).

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companies enables streamlined resource sharing in a way that promotes both safety and efficiency.

FirstEnergy, for itself and its affiliated operating companies including FE PA, is a member of the following Regional Mutual Assistance Groups (“RMAGs”) and can call upon them to request additional resources when needed:

- Great Lakes Mutual Assistance Group;
- North Atlantic Mutual Assistance Group;
- Southeastern Electric Exchange.

A National Response Event can be activated by Edison Electric Institute member utilities when multiple RMAGs cannot adequately support the resource requirements of the requesting utilities. In addition to working with RMAG organizations, FirstEnergy works with non-RMAG utility companies and contractors to secure resources.

F. Storm Response

Outage Restoration Strategy – Depending on the predicted severity of an impending weather event, FE PA typically begins preparing for potential outages before severe weather hits. Based on the projected impact to FE PA’s system, plans are activated so that properly scaled preparations can be made.

Information obtained through various tools and resources is critical to determine the type, number and location of resources needed to ensure prompt restoration of service. Line personnel, damage assessors, and hazard responders are integral resources in providing initial and ongoing assessments of the damage in the field. Line personnel are equipped with mobile data terminals (“MDT”) in their vehicles and enter damage information directly into the MDT. This information is immediately available for viewing in the Outage Management System (“OMS”). The OMS is the central collection point for all relevant information concerning damage reports, assessment, and configuration of the electric distribution system. During emergencies that meet triggering criteria, the circuit quarantine process is used for rapid assessment and repair of heavily damaged circuits. Additionally, OMA (Outage Management Application) is used in the field for employees use on their mobile devices to automatically enter damage information into the Company's OMS.

In response to power outages and other systems emergencies, FE PA maintains a copy of its Emergency Plan for service restoration which provides the guidelines for all common processes and procedures for conducting emergency preparedness, response, and service restoration. Further, FE PA incorporates the ICS principles into its emergency response organization to adhere to the principles and high-level structure of the National Incident Management System as appropriate in an electric utility environment.

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Communications and Outreach – Local Engagement consultants establish communications with emergency management agencies, local officials, county commissioners, and legislators and their offices in advance of and throughout a storm to keep them apprised of preparation and planning efforts. FE PA proactively communicates with the Commission by providing estimated outage forecasts and the Company’s emergency plan in advance of anticipated large-scale events. Communications representatives also contact the media to enlist their help in encouraging customers to prepare for the likely storm event and provide information on how to report power outages via phone call or text message. Proactive email alerts and phone messages may be initiated to key stakeholders alerting them to the potential for extended power outages. These efforts are closely aligned with the Company’s service restoration efforts. The Company also provides safety messages via press releases, social media and FirstEnergy’s website.

FE PA customers can stay informed about restoration progress through a variety of means. Customers can learn about the Company’s storm restoration process and the importance of reporting outages on the FE PA Rate District websites. Customers can also access the 24/7 Power Center outage map that provides county-level information as well as updates for specific damage locations, including the number of customers served and the number of customers out of power at the county and municipal levels as well as estimated time of restoration (“ETR”) information. In addition, the 24/7 Power Center outage map shows the status of crews restoring service, including: Preparing for Crew Assessment, Preparing for Dispatch, Dispatched, Arrived, and Additional Crews Requested.

FE PA allows customers to report outages and connect to the 24/7 Power Center outage map through its mobile-optimized website. When logged into their online account on the website, customers can view their personalized outage status for an outage they have reported. Customers can also register for outage alerts to receive status updates on their reported outage via text message and/or email. Additionally, customers can report outages and obtain outage updates through text message.

FE PA utilizes X and Facebook to share how to report outages and get updates, downed wire, generator, and other safety reminders, ETRs, updates on restoration efforts, information about the restoration process and mutual assistance, water and ice locations (if available) and links to other resources such as cooling or warming shelters, if available. This information may also be communicated via email during significant events.

In addition, interactive voice response (“IVR”) messaging is used to communicate restoration information to customers. Live agent customer service representatives are available and have the same information at their disposal.

For extended power outages, FE PA issues regular news releases and media advisories over both traditional media channels and social media to update customers on the status of power restoration efforts and provide safety reminders and realistic ETRs so customers can plan accordingly.

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The Company maintains plans aimed at offering free water and ice to customers who may experience service interruptions during significant events. Once locations have been determined, this information may be communicated to customers via press releases, email, social media and the website.

Outage Restoration and Storm Response Best Practices – FE PA continues to review each storm event, and many of the practices adopted as mentioned above stemmed from sharing best practices with other utilities, a practice that continues today.

G. Supply Chain Issues

Procurement Concerns for Equipment/Materials

The Company has seen some improvements in capacity and availability of materials with suppliers. Lead times have stabilized but many have not returned to previous levels that existed prior to COVID19. Lead times continue to impact larger major equipment such as transformers and regulators. Material that is not on a contract can be problematic with lead times potentially extending over three years.

Some key suppliers have seen improvements with availability of labor and transportation challenges, but raw material availability can still be an issue for some commodities. There have been improvements, but it is necessary to monitor our orders closely to ensure delivery dates do not slip. The FirstEnergy Supply Chain team works closely with the operations team to forecast demand and mitigate supply risks.

In response to the challenges, supply bases have been expanded, and additional inventory has been purchased where available. Orders have been placed in advance to mitigate lead time constraints. The FirstEnergy Supply Chain team works closely with the Engineering and Standards teams to identify alternatives to material at risk to support construction. FirstEnergy does not expect major issues with material supply in 2026.

H. Wildfire Preparedness

FE PA acknowledges that there is an inherent wildfire risk because electric utilities operate extensive transmission and distribution infrastructure. Some of that equipment inevitably exists in forested or vegetated areas and near communities and can therefore become potential ignition sources under certain environmental conditions.

Beginning in 2024, FirstEnergy formed a Wildfire Mitigation and Response Project Team. The team's strategy is proactive, data driven, cross functional, and embedded into the Company's E-Plan and ICS structure. On March 6, 2026, during the annual emergency exercise, FE PA conducted an exercise that was centered on wildfire education, preparedness, and response.

Pennsylvania Summer Reliability

FirstEnergy Pennsylvania Electric Company

For FE PA, the E-Plan and ICS structure tools provide scalable activation, defined roles, coordinated communications, and structured planning to support situational assessment, resource deployment, and coordination with emergency responders if a wildfire occurs.

In 2025, FE PA became involved with a collaborative Working Wildfire Strategy Group to advance planning and implementation. The key high-risk zone for FE PA is Pike County. The Working Wildfire Strategy Group is analyzing ways to reduce ignition risk on the distribution system.