

JCP&L Reliability Plus

Infrastructure Investment
Program



JCP&L's Reliability Plus Program

■ 4-year infrastructure investment plan filed in July with New Jersey Board of Public Utilities

- Aimed at enhancing the reliability and resiliency of distribution system against severe weather and reducing frequency and duration of power outages
- Approximately \$400 million infrastructure program, which includes targeted investments in excess of JCP&L's regular annual spending to enhance service reliability and resiliency
- Follows detailed analysis of distribution system and lessons learned from service restoration efforts following recent storm events



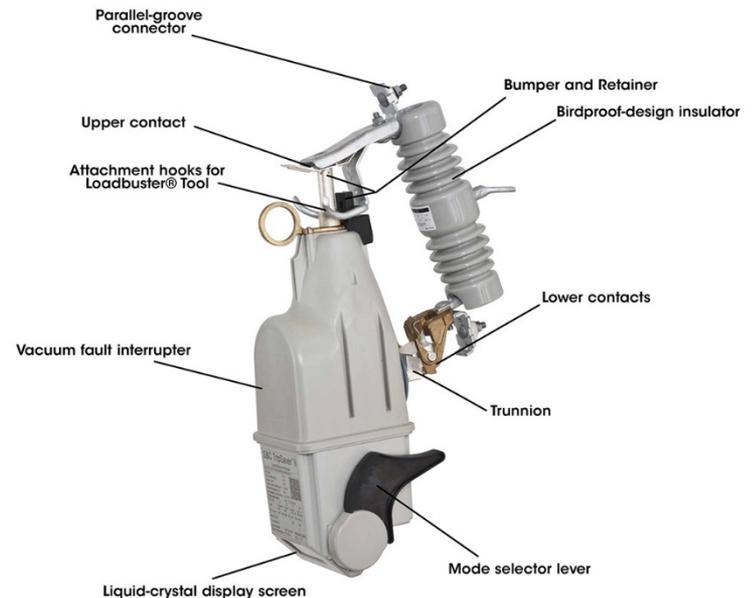
Key Benefits of Program

- **Nearly 4,000 enhancements to help reliability and resiliency of overhead and underground distribution lines**
 - Installing new equipment and smart technologies
 - Providing additional vegetation management to reduce potential for tree damage, which is a primary cause of outages in severe storm events
 - Making distribution system more resistant to outages during storm and non-storm events
- **In addition to hardening system, expected to provide service reliability benefits**
- **\$1.9 billion in economic benefits projected for customers over life of equipment installed**
 - Program costs recovered through new rate provision under distribution charge on customers' electric bills
 - Initial increase for the average residential customer is estimated at 25 cents per month

Reliability Plus Program Projects

■ Overhead circuit reliability and resiliency

- Conducting enhanced vegetation management to remove trees and limbs overhanging distribution system in certain areas
- Removing trees affected by emerald ash borer near JCP&L power lines and equipment
- Installing advanced equipment to reduce number of sustained outages that were caused by temporary faults



Reliability Plus Program Projects

■ Substation reliability enhancements

- Implementing flood mitigation measures, upgrading distribution equipment and enhancing substation fencing
- Acquiring 4 mobile substations to enhance system redundancy
- Projects will increase system resiliency, operational flexibility, safety and security



Reliability Plus Program Projects (continued)

■ Distribution automation

- Installing new technology that allows for more rapid fault location, isolation and service restoration
- Projects will increase reliability and resiliency for customers by reducing future outages and their duration and enhancing current operations



Thank You



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Forward-Looking Statements

This presentation includes forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995 based on information currently available to management. Such statements are subject to certain risks and uncertainties and readers are cautioned not to place undue reliance on these forward-looking statements. These statements include declarations regarding management's intents, beliefs and current expectations. These statements typically contain, but are not limited to, the terms "anticipate," "potential," "expect," "forecast," "target," "will," "intend," "believe," "project," "estimate," "plan" and similar words. Forward-looking statements involve estimates, assumptions, known and unknown risks, uncertainties and other factors that may cause actual results, performance or achievements to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements, which may include the following: the ability to successfully execute an exit of commodity-based generation that minimizes cash outflows and associated liabilities, including, without limitation, the losses, guarantees, claims and other obligations of FirstEnergy Corp., together with its consolidated subsidiaries (FirstEnergy) as such relate to the entities previously consolidated into FirstEnergy, including FirstEnergy Solutions Corp. (FES), its subsidiaries and FirstEnergy Nuclear Operating Company (FENOC), which have filed for bankruptcy protection; the potential for litigation and payment demands against FirstEnergy by FES, FENOC or their creditors, and the ability to successfully execute a definitive settlement agreement and obtain approvals from the Bankruptcy Court and others necessary for the comprehensive settlement as agreed to in principle; the risks associated with the bankruptcy cases of FES, its subsidiaries and FENOC, including, but not limited to, third-party motions in the cases that could adversely affect FirstEnergy, its liquidity or results of operations; the ability to experience growth in the Regulated Distribution and Regulated Transmission segments and the effectiveness of our strategy to operate as a fully regulated business; the accomplishment of our regulatory and operational goals in connection with our transmission and distribution investment plans; changes in assumptions regarding economic conditions within our territories, assessment of the reliability of our transmission and distribution system, or the availability of capital or other resources supporting identified transmission and distribution investment opportunities; the ability to accomplish or realize anticipated benefits from strategic and financial goals, including, but not limited to, the ability to grow earnings in our regulated businesses, continue to reduce costs through FE Tomorrow, FirstEnergy's initiative launched in late 2016 to identify its optimal organization structure and properly align corporate costs and systems to efficiently support a fully regulated company going forward, and other initiatives, and to successfully execute our financial plans designed to improve our credit metrics and strengthen our balance sheet; the risks and uncertainties associated with litigation, arbitration, mediation and like proceedings; the uncertainties associated with the deactivation of our remaining commodity-based generating units, including the impact on vendor commitments, and as it relates to the reliability of the transmission grid, the timing thereof, costs being higher than anticipated and the success of our policies to control costs; the uncertainty of the timing and amounts of the capital expenditures that may arise in connection with any litigation, including New Source Review litigation, or potential regulatory initiatives or rulemakings; changes in customers' demand for power, including, but not limited to, changes resulting from the implementation of state and federal energy efficiency and peak demand reduction mandates; economic and weather conditions affecting future sales, margins and operations, such as significant weather events, and all associated regulatory events or actions; changes in national and regional economic conditions affecting FirstEnergy and/or our major industrial and commercial customers, and other counterparties with which we do business; the impact of labor disruptions by our unionized workforce; the risks associated with cyber-attacks and other disruptions to our information technology system that may compromise our generation, transmission and/or distribution services and data security breaches of sensitive data, intellectual property and proprietary or personally identifiable information regarding our business, employees, shareholders, customers, suppliers, business partners and other individuals in our data centers and on our networks; the impact of the regulatory process and resulting outcomes on the matters at the federal level and in the various states in which we do business, including, but not limited to, matters related to rates; the impact of the federal regulatory process on Federal Energy Regulatory Commission (FERC) regulated entities and transactions, in particular FERC regulation of PJM Interconnection, L.L.C. (PJM) wholesale energy and capacity markets and cost-of-service rates, as well as FERC's compliance and enforcement activity, including compliance and enforcement activity related to North American Electric Reliability Corporation's mandatory reliability standards; the uncertainties of various cost recovery and cost allocation issues resulting from American Transmission Systems, Incorporated's realignment into PJM; the ability to comply with applicable state and federal reliability standards and energy efficiency and peak demand reduction mandates; other legislative and regulatory changes, including the federal administration's required review and potential revision of environmental requirements, including, but not limited to, the effects of the United States Environmental Protection Agency's Clean Power Plan, Coal Combustion Residuals and Cross-State Air Pollution Rule programs, including our estimated costs of compliance, Clean Water Act (CWA) waste water effluent limitations for power plants, and CWA 316(b) water intake regulation; changing market conditions that could affect the measurement of certain liabilities and the value of assets held in our pension trusts and other trust funds, and cause us and/or our subsidiaries to make additional contributions sooner, or in amounts that are larger, than currently anticipated; the impact of changes to significant accounting policies; the impact of any changes in tax laws or regulations, including the Tax Cuts and Jobs Act, adopted December 22, 2017, or adverse tax audit results or rulings; the ability to access the public securities and other capital and credit markets in accordance with our financial plans, the cost of such capital and overall condition of the capital and credit markets affecting us and our subsidiaries; further actions that may be taken by credit rating agencies that could negatively affect us and/or our subsidiaries' access to financing, increase the costs thereof, letters of credit and other financial guarantees, and the impact of these events on the financial condition and liquidity of FirstEnergy Corp. and/or its subsidiaries; issues concerning the stability of domestic and foreign financial institutions and counterparties with which we do business; and the risks and other factors discussed from time to time in our United States Securities and Exchange Commission (SEC) filings, and other similar factors. Dividends declared from time to time on FirstEnergy Corp.'s common stock, and thereby on FirstEnergy Corp.'s preferred stock, during any period may in the aggregate vary from prior periods due to circumstances considered by FirstEnergy Corp.'s Board of Directors at the time of the actual declarations. A security rating is not a recommendation to buy or hold securities and is subject to revision or withdrawal at any time by the assigning rating agency. Each rating should be evaluated independently of any other rating. These forward-looking statements are also qualified by, and should be read together with, the risk factors included in our filings with the SEC, including but not limited to the most recent Quarterly Report on Form 10-Q, which risk factors supersede and replace the risk factors contained in the Annual Report on Form 10-K and previous Quarterly Report on Form 10-Q, and any subsequent Quarterly Reports on Form 10-Q or Current Reports on Form 8-K. The foregoing review of factors also should not be construed as exhaustive. New factors emerge from time to time, and it is not possible for management to predict all such factors, nor assess the impact of any such factor on our business or the extent to which any factor, or combination of factors, may cause results to differ materially from those contained in any forward-looking statements. We expressly disclaim any obligation to update or revise, except as required by law, any forward-looking statements contained herein as a result of new information, future events or otherwise.