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Energy Infrastructure Modernization Act

Transforming Illinois' Electric Grid

RMAP Overview

Passage of the Energy Infrastructure Modernization Act ushers in a new era of utility service and consumer benefits

VISION | INVESTMENT | BENEFITS

ComEd will **fulfill the promise** of grid modernization to Northern Illinois consumers by:

- Improving system reliability and deploying new smart grid technologies
- Providing greater value to customers through better service and creating a new level of accountability for ComEd
- Preparing our region for the new demands of the 21st century economy and supporting a greener future
- Providing energy consumers more savings, choice and control
- Renewing our efforts to care for our communities and customers who depend on our infrastructure and service

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Half of $2.6B investment is allocated to infrastructure improvements

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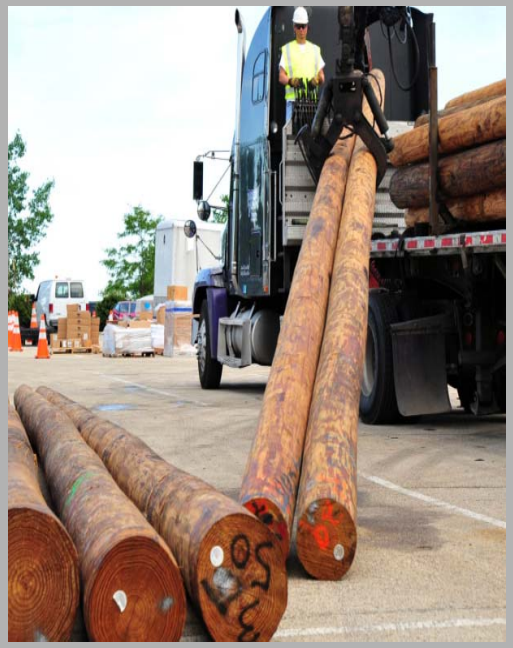
Infrastructure Improvements*

- Test, refurbish and replace over 7,800** miles* of **underground cable** to reduce outages due to cable failures
- Assess, refurbish and replace over 28,000 **manholes***
- Accelerate the inspection, reinforcement and replacement of 660,000*** **wood poles** to improve system reliability
- “Storm harden” areas historically vulnerable to weather-related damage by moving equipment **underground** and installing **tree-resistant cable**



Note: *over the 5 year infrastructure investment period; **underground residential and mainline cable; ***660,000 wood pole inspections

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The other half digitizes the system with new technology

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Digital Technology

- Install **distribution automation** devices to detect issues on the grid and automatically re-route power to minimize the customer outages
- Upgrade ten electrical **substations*** that will improve automated monitoring of grid performance, increase reliability and reduce power delivery expenses
- Over **four million** advanced meter** installations in every home and business that will …
  - Enhance outage identification and restoration
  - Improve meter reading and billing efficiencies
  - Reduce electricity theft
  - Enhance disconnection and reconnection of electric service
  - Provide customers more information, services, savings, choice and control

Note: *over the 5 year infrastructure investment period; **over the 10 year installation period

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Consumers see improved service, savings and more choice

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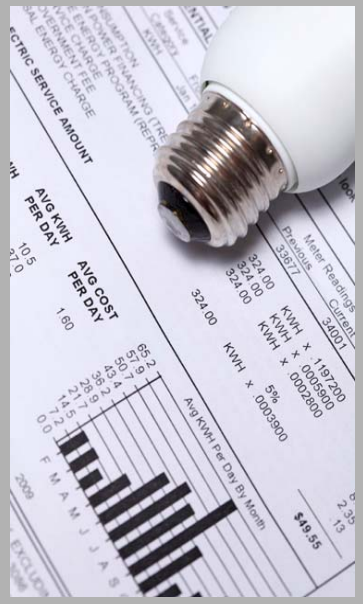
Consumer Benefits

Fewer and shorter outages

- An estimated 700,000 avoided customer outages per year could save customers $100M annually**

Consumer savings, choice and control

- All savings achieved by more efficient utility operations will be passed on to consumers
  - Over $250M in estimated savings per year**
- As a result of the first ICC filing under Energy Information Modernization Act, consumers can expect $54 million in savings
- With advanced meters, consumers could save on energy costs by:
  - Choosing the peak time rebate pricing plan
  - Better managing energy use
  - Using new energy management technologies, such as smart appliances or home area network devices



Note: * The new delivery service rates will be in effect from June through the end of 2012; **After all the advanced meters have been installed

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Investment creates new jobs, leads to a cleaner environment in Illinois and establishes ground breaking utility accountability

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Northern Illinois Benefits

Economic growth and job creation

- The investment will create more than 2,000 FTEs*

Innovation and entrepreneurship

- A $20M Science and Energy Innovation Trust will be created to foster and support high-growth, energy and technology related Illinois companies
- A Smart Grid “Test Bed” will provide entrepreneurs with the opportunity to demonstrate new services, technologies and business models, some of which will be funded by the Trust

Greater use of renewable energy sources

- Advanced meters make it easier to incorporate renewable energy sources such as wind and solar into the grid and help to manage demand from electric vehicle charging stations

Utility oversight and accountability

- ComEd is the first U.S. investor-owned electric utility to be held accountable to comprehensive performance standards that are tied to its profits

Note: * Full-time equivalents at peak investment

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Summary of planned upgrades and installations in the EIMA investment plan

Program	Key Benefit	Unit	2012 Plan Scope	Peak Year Scope	Total Plan Scope
URD Cable Injections and Replacements (miles)	Improved reliability performance	Miles	459	861	4,177
Manhole Assessments (# manholes)	Improved reliability performance, field crew safety	# of Manholes	4,420	7,251	28,326
Mainline Cable Replacement (miles)	Improved reliability performance	Miles	44	116	526
Mainline Cable Testing (sections)	Improved reliability performance	Sections	117	388	1,780****
Ridgeland 69kV Cable Replacement (miles)	Improved reliability performance	Miles	3.2	4.7	10.2
Wood Pole Inspections (# poles)	Improved reliability performance, field crew safety	# of poles	133,400	133,400	667,000 *
Wood Pole Replacement / Reinforcement (# poles)	Improved reliability performance, field safety	# of poles	2,500	3,200	15,000**
Distribution Automation (# of devices)	Improved reliability performance	# of devices	470	640	2,600
Substation Upgrades (# of substations)	Improved work efficiencies & predictive tools	# of substations	1	2	10
Advanced Meters (# of meters)	Improved outage identification / restoration, operational efficiencies, savings, choice and control …	# of meters	131,191	493,463	4,115,389***

* Wood pole scope shown presents the first 5 years of a ten-year plan to achieve a ten-year inspection cycle.
** Quantity of wood poles to be replaced or reinforced is an estimate based on past inspection results.
*** Smart Meter scope presents the preliminary estimated quantities of Smart Meters to be deployed. These estimates are subject to revision in ComEd's AMI Plan, as filed and approved by the Commission.
**** 1,780 sections tested represents ~3,251 miles (of the 526 miles mainline miles replaced 119 are also tested)

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