



Illinois' Conduit to Grid Modernization

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ILLINOIS COMMERCE COMMISSION

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 - ▶ Thank you for your understanding.

Introduction

▶ About Me

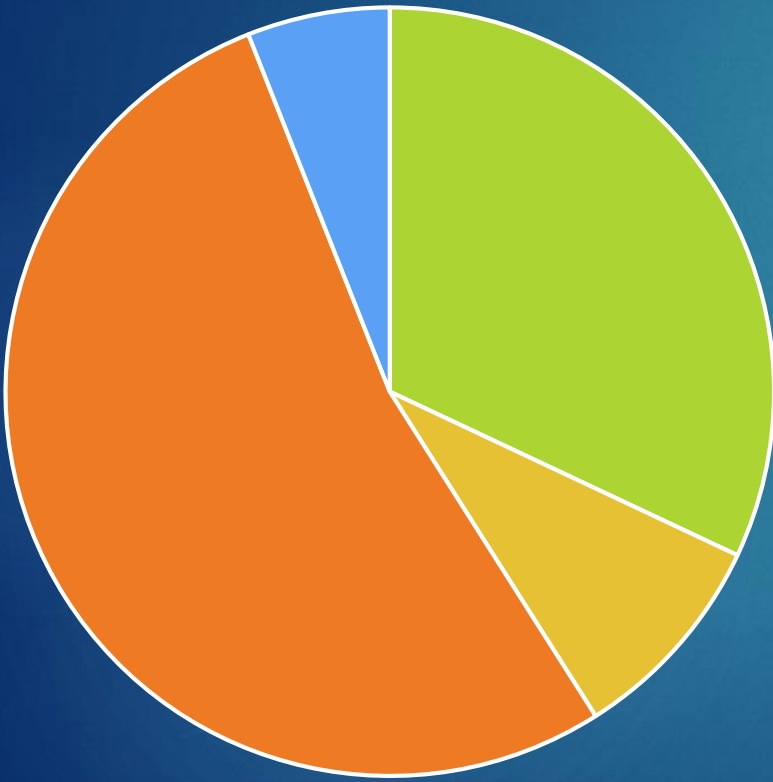
▶ About the ICC

The ICC's mission is to balance the interests of consumers and utilities to ensure adequate, efficient, reliable, safe and least-cost public utility services.

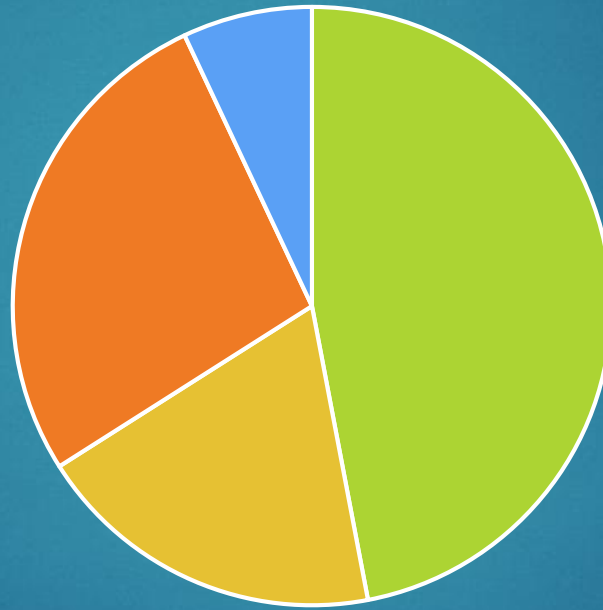
Sources of Electricity Generation



Illinois



East North Central
(IL, IN, MI, OH, WI)



United States



- Coal
- Nuclear
- Natural Gas
- Renewables



Political Climate

Photo Source: Iconfinder



Conduit to Grid Modernization...

NextGrid

Illinois' Utility of the Future Study

Photo Source: Disney Wiki

NextGrid

- ▶ What is NextGrid?
 - ▶ Illinois' Utility of the Future Study initiated by ICC Chairman Brien J. Sheahan
 - ▶ Collaborative survey to leverage the State's competitive markets, smart grid technology, and commitment to renewables
 - ▶ Fulfills a recommendation of Governor Bruce Rauner's Transition Committee
 - ▶ March 22, 2017 Resolution – *Regarding Illinois' Consideration of the Utility of the Future: "NextGrid" Grid Modernization Study*

NextGrid

- ▶ Why NextGrid?
 - ▶ Market Indicators
 - ▶ Keeping Pace with Innovation
 - ▶ Illinois as a Trailblazer
 - ▶ Statewide Smart Grid Collaborative (2008-2011)
 - ▶ Established by ICC in 2008 (Docket No. 07-0566)
 - ▶ Implementation of Smart Meters
 - ▶ Energy Infrastructure Modernization Act (2011)
 - ▶ Public Act 097-0616
 - ▶ Mandatory Deployment of Smart Meters

NextGrid

How will NextGrid work?

- ▶ Managed by ICC, with the assistance of an outside facilitator.
- ▶ Inclusive
- ▶ Comprehensive
- ▶ Collaborative
- ▶ Report will inform and provide recommendations to policymakers, including the General Assembly and the Governor's Office.

When will NextGrid happen?

- ▶ Targeted Completion Date – Late 2018
- ▶ Feedback Needed by April 30th on a (1) facilitator, and (2) comprehensive list of topics to be addressed.

NextGrid




Comments Due By:

April 30, 2017

Email Comments To:

nextgrid@icc.Illinois.gov

NextGrid

<p>Citizens Utility Board (“CUB”)</p>  <p>The logo for the Citizens Utility Board (CUB) is circular with a blue border. Inside the circle, the text "CITIZENS UTILITY BOARD" is written at the top and "Fighting for Illinois Consumers" at the bottom. In the center, there is a blue silhouette of the state of Illinois with the letters "CUB" in white.</p>	<p>“CUB looks forward to participating in NextGrid, and we thank the ICC for launching this effort. The energy industry is undergoing dramatic changes, and we need to make sure that consumer value is maximized. This is an excellent opportunity to help lay the regulatory groundwork for an energy future that gives consumers the tools they need to take advantage of a more reliable and affordable electricity system.” – Dave Kolata, Executive Director</p>
<p>Illinois Attorney General’s Office</p>  <p>The logo for the Illinois Attorney General's Office is circular with a gold border. It features an eagle with its wings spread, perched on a shield. The text "OFFICE OF THE ATTORNEY GENERAL" is written around the top inner edge, and "STATE OF ILLINOIS" is written around the bottom inner edge.</p>	<p>“We are pleased to participate in this discussion to ensure any new energy proposals are affordable and focused on the consumer’s best interest. With energy efficiency and solar options increasingly available, reduced electricity grid usage should be reflected in customers' bills.” – Attorney General Lisa Madigan</p>
<p>Commonwealth Edison (“ComEd”)</p>  <p>The logo for Commonwealth Edison (ComEd) features the word "ComEd" in a bold, red, sans-serif font. Below it, in a smaller, black, sans-serif font, is the text "An Exelon Company".</p>	<p>“We commend the Commission for taking a leadership role in establishing a forum for designing the future-oriented business model and joining ComEd’s effort to maximize the smart grid and deliver new value to customers. We see NextGrid as an opportunity to find common ground on critical issues facing our industry and as a driver of the clean, lean, ultra-resilient energy future our customers want.” – said Anne Pramaggiore, President & CEO</p>



Cybersecurity

Photo Source: YourStory.com

ICC's Office of Cybersecurity & Risk Management

- ▶ What is it?
 - ▶ Newly-created office
 - ▶ Tasked with developing policy, strategy, and best practices for anticipating and responding to potential cyber-attacks
- ▶ Why is it needed?
 - ▶ Global concerns → Illinois concerns
 - ▶ Proper planning + best practices = safety of the utilities
- ▶ How will it function?
 - ▶ Drive collaboration & knowledge-sharing between the various utilities
 - ▶ Optimize communication channels between utilities and the State and federal government

Strategic Planning Initiative



Photo Source: Freerange Stock



Thank You!

<https://www.icc.illinois.gov>