

# IRPS 10/30/18

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Session 2: “Infrastructure Challenges in the Electricity Sector”

# Why NextGrid?

## Why Illinois?

## Why Now?

Not your grandfather's grid -

- New goals: Clean, resilient, efficient, affordable, smart
- New technologies: Distributed Energy Resources (PV, storage, DR, more)
- Electrification: Of transportation and ??
- Data/Control: AMI, analytics, metrics, valuation, IoT

# “Utility of the Future” Process?

-- We're not NY, RI, OH, CA, HA, MN, PA, MO --

NG: Not docketed, no ICC order. So what are we doing?

- issue ID
- research
- exchange of views
- options
- elucidation
- Final Report

# How is Illinois Different?

Let us count the ways:

- Restructured markets (robust competition)
- Fully deployed smart grid (almost)
- Hourly pricing (for all)
- Weather, geology, location (not likely: firestorms, hurricanes, mudslides, earthquakes, floods, droughts, zombies)
- Two RTO/ISOs
- Nuclear power center
- Commercially viable wind and solar
- History of collaboration - '93 (settlements), '97 (restructuring), '07 (IPA), '09 (ISSGC), EIMA, FEJA, NG
- Next steps?