

CHICAGO ADVANCED ENERGY

05.31.18



NextGrid Illinois

COMMISSIONER SADZI M. OLIVA

ILLINOIS COMMERCE COMMISSION



NextGrid Illinois

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- **18-month, consumer-focused *Utility of the Future Study***
- **Initiated & led by: The Illinois Commerce Commission**
- **Facilitated by: Team of professors from the Electrical and Computer Engineering Department at the University of Illinois at Urbana-Champaign**



www.nextgrid.illinois.gov

WG 1: New Tech. Deployments & Grid Integration

- **Leader:** Mohammad Shahidehpour, Ph.D.
- **Objective:** Explore the capabilities of new technologies and their integration into the electric grid.
- **Activities:** Evaluated the current state of the IL grid, and how new technologies can respond to current needs.

WG 2: Metering, Communications, & Data

- **Leader:** Matthew Olson P.E.
- **Objective:** Evaluate ways to leverage existing technology to enhance consumer value and integrate new technology.
- **Activities:** The group was updated on the current progress of AMI deployment and discussed the importance and application of data collection from smart meters.

WG 3: Reliability, Resiliency & Security

- **Leaders:** Manimaran Govindarasu, Ph.D. & Dominic Saebeler
- **Objective:** Explore existing and new challenges to grid reliability, resiliency, and security.
- **Activities:** In collaboration with Ameren, ComEd, PJM and MISO, the group is identifying security risks in a increasingly more complex grid.

WG 4: Customers & Community Participation

- **Leader:** Marty Cohen
- **Objective:** Explore ways to “engage, educate, and empower” consumers to benefit from emerging grid technologies.
- **Activities:** Identifying salient issues affecting customers and communities and discussing how to solve those issues.

WG 5: Electricity Markets

- **Leader:** Lynne Kiesling
- **Objective:** Consider methods to increase customer access to new technologies and stimulate distribution-level market participation.

WG 6: Regulatory and Environmental Policy Issues

- **Leader:** Mary A. Gade
- **Objective:** Consider the effectiveness of current environmental programs and explore the ability to leverage grid technologies and distributed energy resources to support environmental objectives.

WG 7: Ratemaking

- **Leader:** Carl Pechman, Ph.D and Ken Costello
- **Objective:** Consider rate structures and regulatory models to enable and support the vision of the future grid developed through the study.

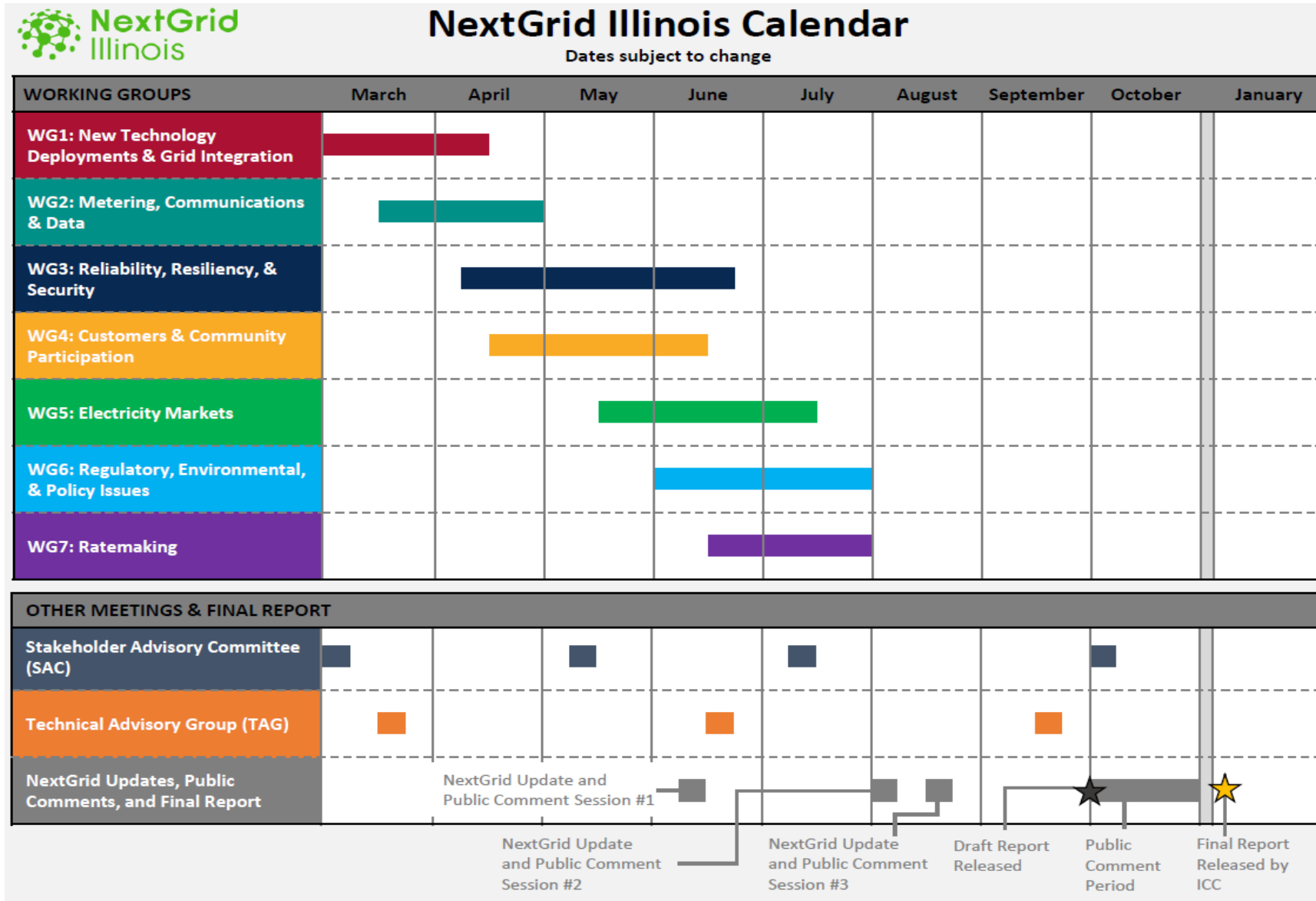
Technical Advisory Council

- **Objective:** Serves as a resource for the ICC and the working groups for technical advice. The TAC will meet as needed.

Stakeholder Advisory Council

- **Objective:** Represents various stakeholders including environmental, business, and consumer advocates, and state and local policymakers. Convenes quarterly to represent their stakeholder perspective as the working groups present findings.

Working Group Progress Summary



**NextGrid: Utility of the Future Study
Update & Public Comment Session**



NextGrid
Illinois

June 2018

14

1 PM - 3:30 PM

ICC Main Hearing Room
160 N. LaSalle, 8th Fl
Chicago, IL

REGISTER

Save the Date!

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