



Committee on Electricity

Business Meeting

This session will begin at 1:45 p.m.



Introductions - Hon. Matt Schuerger (MN)

Committee Member Discussion with FERC Commissioner Mark Christie

Formal Consideration of Resolution – Hon. Matt Schuerger (MN)

DOE Transmission Needs Study Overview – Adria Brooks, Transmission Engineer, DOE



FERC Commissioner
Mark Christie



Building a Better Grid: Transmission Planning Efforts

Dr. Adria Brooks

July 19, 2022



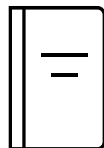
U.S. DEPARTMENT OF ENERGY

Building a Better Grid



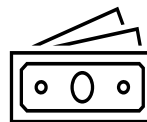
Engagement and collaboration

- States
- Tribal nations
- Stakeholders



Enhanced transmission planning

- Transmission Needs Study
- National Transmission Planning Study
- Atlantic Offshore Wind Transmission Study



Federal financing tools (\$20+B)

- Transmission Facilitation Program (\$2.5B)
- Smart Grid Investment Grant Program (\$3B)
- Grid resilience grants for states, Tribes, and utilities (\$10+B)
- Loan guarantee programs



Transmission permitting process

- Streamline of permitting with federal agencies
- Public private partnerships
- Designation of corridors



Transmission-related R&D

- “Next generation” electricity delivery technologies
- Supporting activities



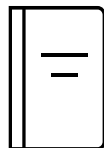
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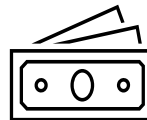
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Enhanced transmission planning

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- **National Transmission Planning Study**
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Objective: Review current and anticipated future needs of the bulk power grid

“Needs” include:

- Reliability and resilience
- Congestion
- Transfer capacity limits
- New generation delivery

Analysis includes:

- Historic transmission and generation installations
- Historic wholesale electricity prices
- Review of nearly 40 industry, academic, lab reports
- Results of capacity expansion models



National Transmission Needs Study



Learn more at www.energy.gov/bt



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National Transmission Needs Study

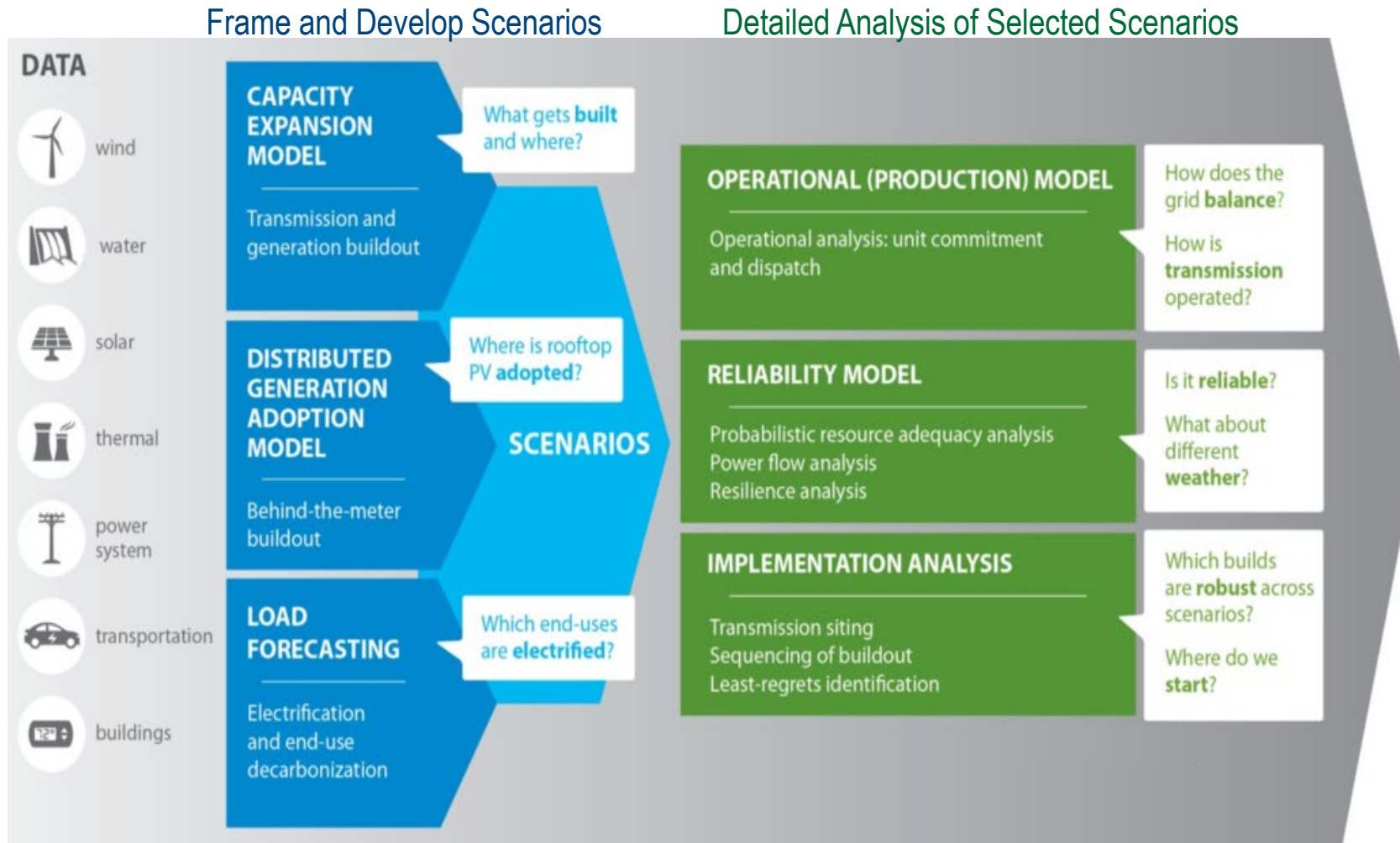


Consultation draft will be released to States, Indian Tribes, and Regional Grid Entities (August target)



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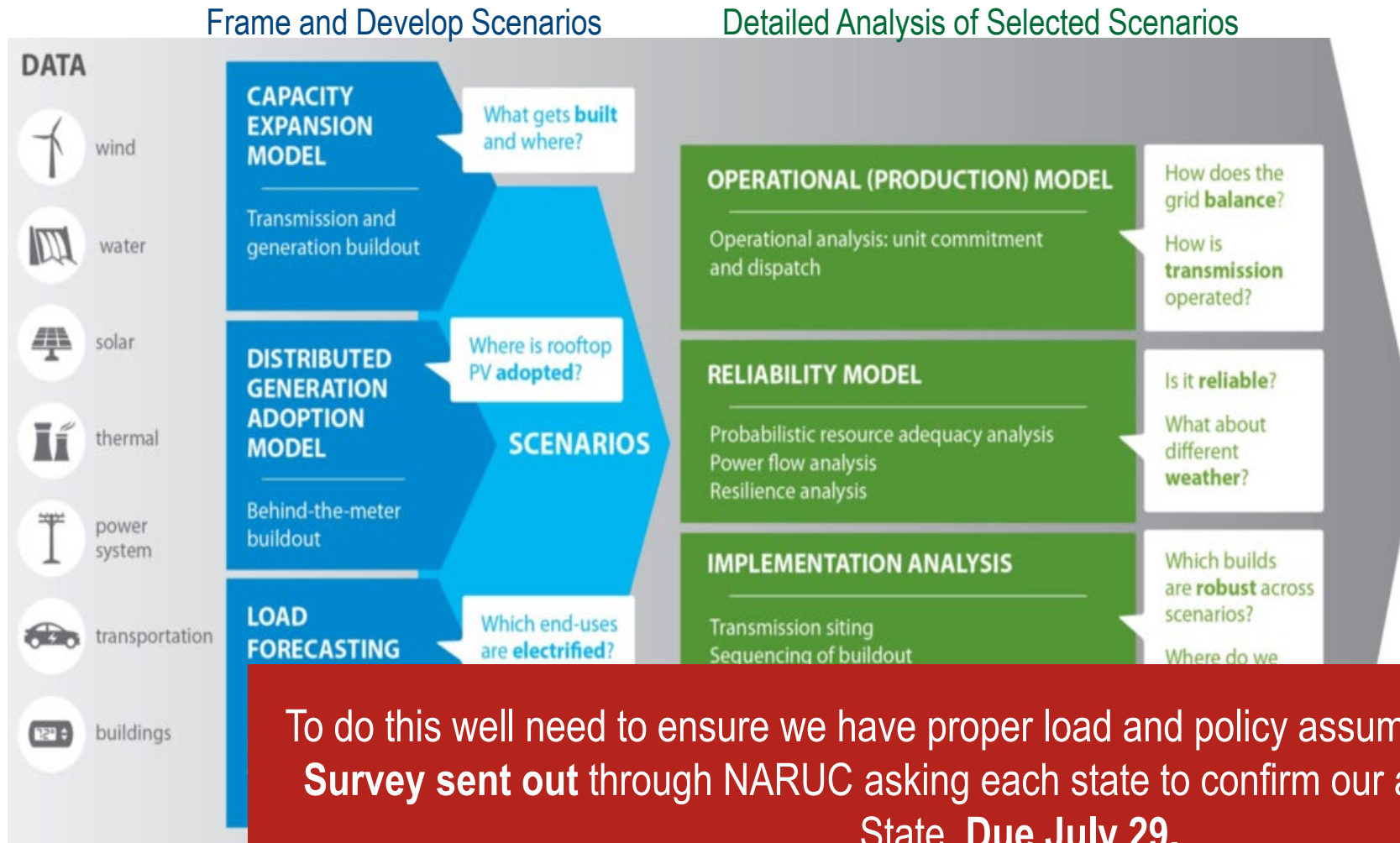
National Transmission Planning Study



Output:

Identify viable and efficient transmission options that will provide broad-scale benefits to electric customers

National Transmission Planning Study





Thanks for attending.

The next session begins at 3:15 p.m.