

WGA/States Westwide Transmission Planning

Amanda Ormond

Western Grid Group

6th Biennial Transmission Assessment Workshop

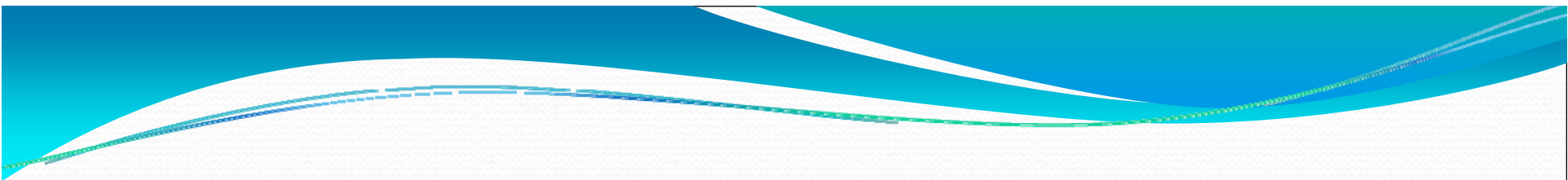
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Interstate Energy Board



Westwide Transmission Planning

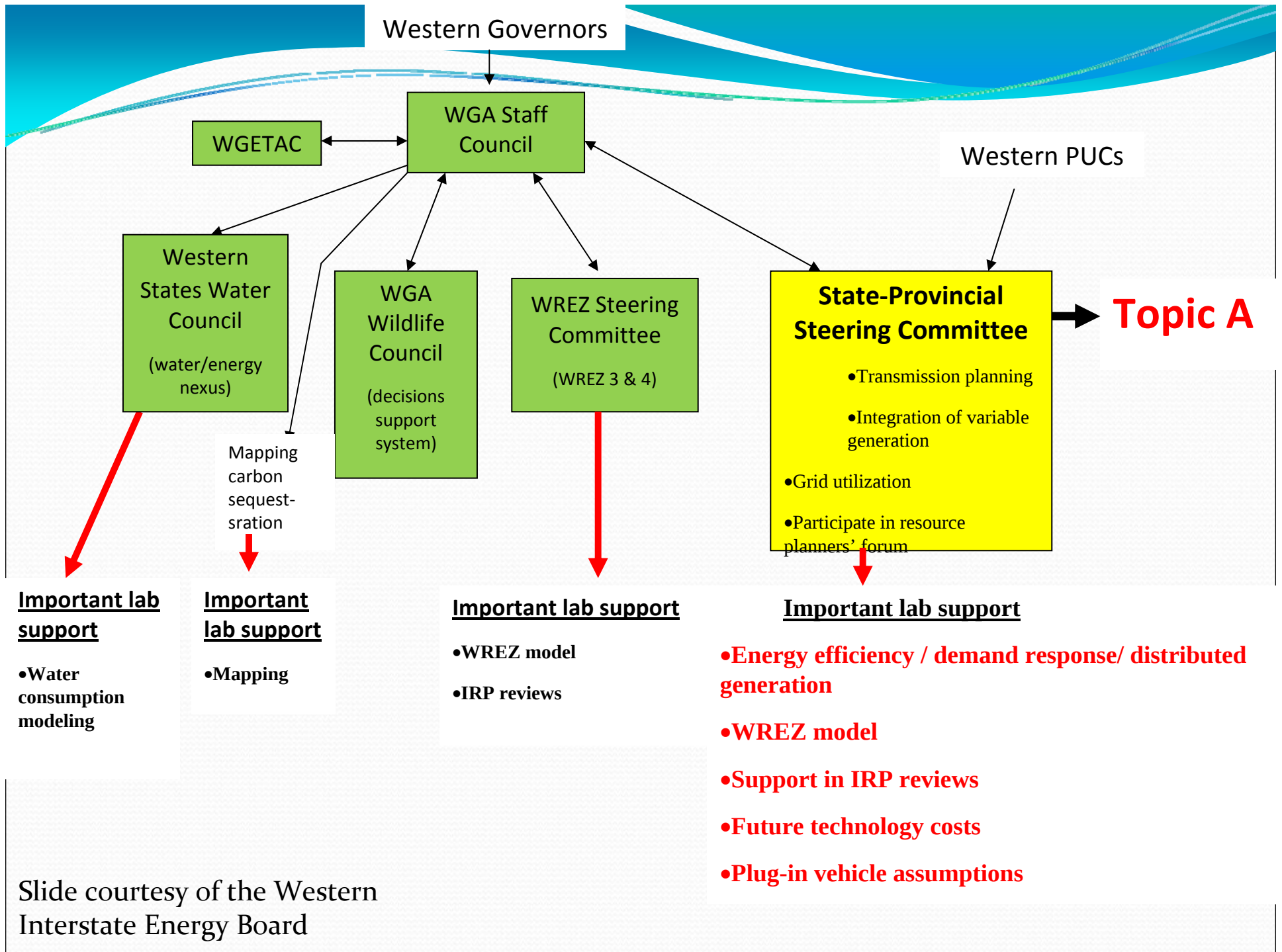
- DOE allocated \$40 million for western and eastern interconnection-wide transmission planning
- WECC receives funding for transmission planning (Aka - Topic A)
 - ❖ Formed Scenario Planning Steering Group (SPSG)
- Western Governors' Association (WGA) received funding (Aka - Topic B) for a variety of activities
 - ❖ Formed State-Provincial Steering Committee (SPSC)



Scope of WGA's Topic B Proposal

- Complete WREZ project
 - Phase 3 – coordinating energy purchases
 - Phase 4 – interstate cooperation
- Implement wildlife decision support system pilot projects
- Carbon sequestration mapping
- Water/energy nexus
- Input to Topic A Transmission Planning
 - State-Provincial Steering Committee
 - Governor representatives
 - Western state PUC representatives

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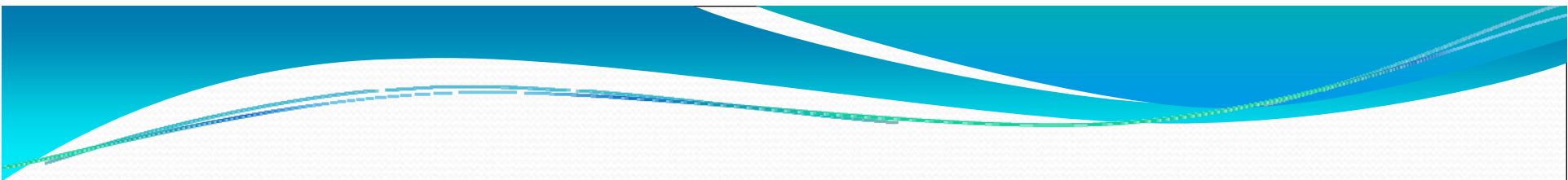
State-Provincial Steering Committee

- Meetings
 - Nov. 6 – Tempe
 - Jan. 29 – Salt Lake City
 - Apr. 22-23 – Portland
- Formed work groups & elected chair at Nov. 6 meeting
- Charter and work plan adopted Jan. 29 meeting
- Study Request submitted to TEPPC Jan. 31
- Agreed to representatives on Scenario Planning Steering Group (SPSG)

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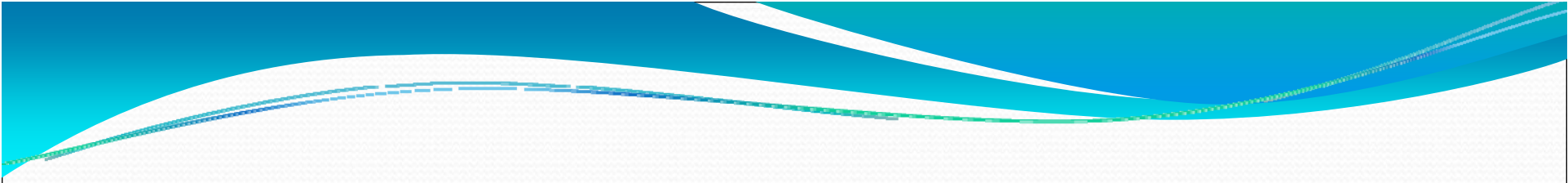
SPSC Work Plan - Objectives

- ***Transmission planning:*** Develop sound interconnection-wide transmission plans that inform investment decisions and government policy decisions.
- ***Integration of variable generation:*** Promote technological and institutional improvements that minimize the cost of integrating variable renewable generation while maintaining system reliability.
- ***Efficient use of the grid:*** Evaluate and promote reforms to increase use of the existing transmission systemto move renewable power.
- ***Better Integration of utility resource and transmission planning:.....***



SPSC Work Groups

- Scenario WG – Jim Tarpey (CO), Chair
 - Develop study request and engage in review process
 - Guide state input on IRPs and engage resource planners
- DSM WG – Dian Grueneich (CA), Chair
 - Develop DSM study request
 - Organize specialists and provide input on DSM cases
- Grid Utilization WG– Steve Oxley (WY), Chair
 - Efficient use of existing grid
 - Integration of variable generation



SPSC Study Request to TEPPC

- Reference Case
 - Based on utility IRP/resource plans with review by state regulators
- High DSM Scenario
 - Energy efficiency, demand response, combined heat and power resources
 - Targets: economic potential and technological potential
- Carbon Reduction Scenario
 - Targets from Waxman-Markey
 - Tools: DSM, renewables, carbon adder
- Technological Breakthrough
 - Impacts from breakthroughs on storage, PV, nuclear, IGCC, DSM, transmission , and other

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State Representatives to SPSG

- Steering Committee contingent:
 - John Savage, Chair (OR PUC)
 - Marsha Smith (ID PUC)
 - Steve Ellenbecker (WY Gov)
 - Jim Tarpey (CO PUC)
 - Kristin Mayes (ACC)
 - Howard Schwartz (WA Gov)
- Current state TEPPC members:
 - Dian Grueneich (CA PUC)
 - Grace Anderson (CEC)



SPSC – Next Steps

- Grid utilization, DSM and Scenario subgroups continue to meet
- WGA/WECC hosting meeting of Western Resource Planners in San Diego June 21-22.
- Next meeting scheduled for September 13-15. Salt Lake City

For more information: Western Governors' Association - www.westgov.wieb