

# NASEO and ASERTTI State Energy Policy and Technology Outlook Conference

## Renewable Energy Committee Meeting

*Update on DOE Office of Electricity Activities of Interest*

Feb. 8, 2012

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# Topics Covered

- Rapid Response Team Transmission
- Interconnection-Wide Planning
- Variable Renewables Integration
- Project Development in the West
- DOE Triennial Transmission  
Congestion Studies & Designation of  
National Corridors

# RRTT = Rapid Response Team for Transmission

## Background

- Section 216(h) of EPL Act '05
- Nine Agency MOU – Oct. 2009
- Transmission Cabinet
  - Designated 7 Pilot Projects



RRTT Pilot Projects



# RRTT - Goal

- Goal = expedite federal evaluation of transmission applications
- Increase efficiency in administration of federal law
- Maintain effectiveness of federal law

# RRTT – Increasing Efficiency

- Transform federal permitting to integrate all agencies into the same process
- Evaluate the projects with a perspective on the overall scope of the project

# RRTT – Transform Process

1. Coordinate all fed agencies
2. ID fed approvals/reviews/consults
3. Coordinate schedules
4. Designate nationwide agency teams
5. Train staff

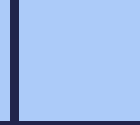
# RRTT – Each Project

1. Create dashboard - track progress
2. Regular meetings
3. Tracking of overall fed progress
4. Problems/delays addressed



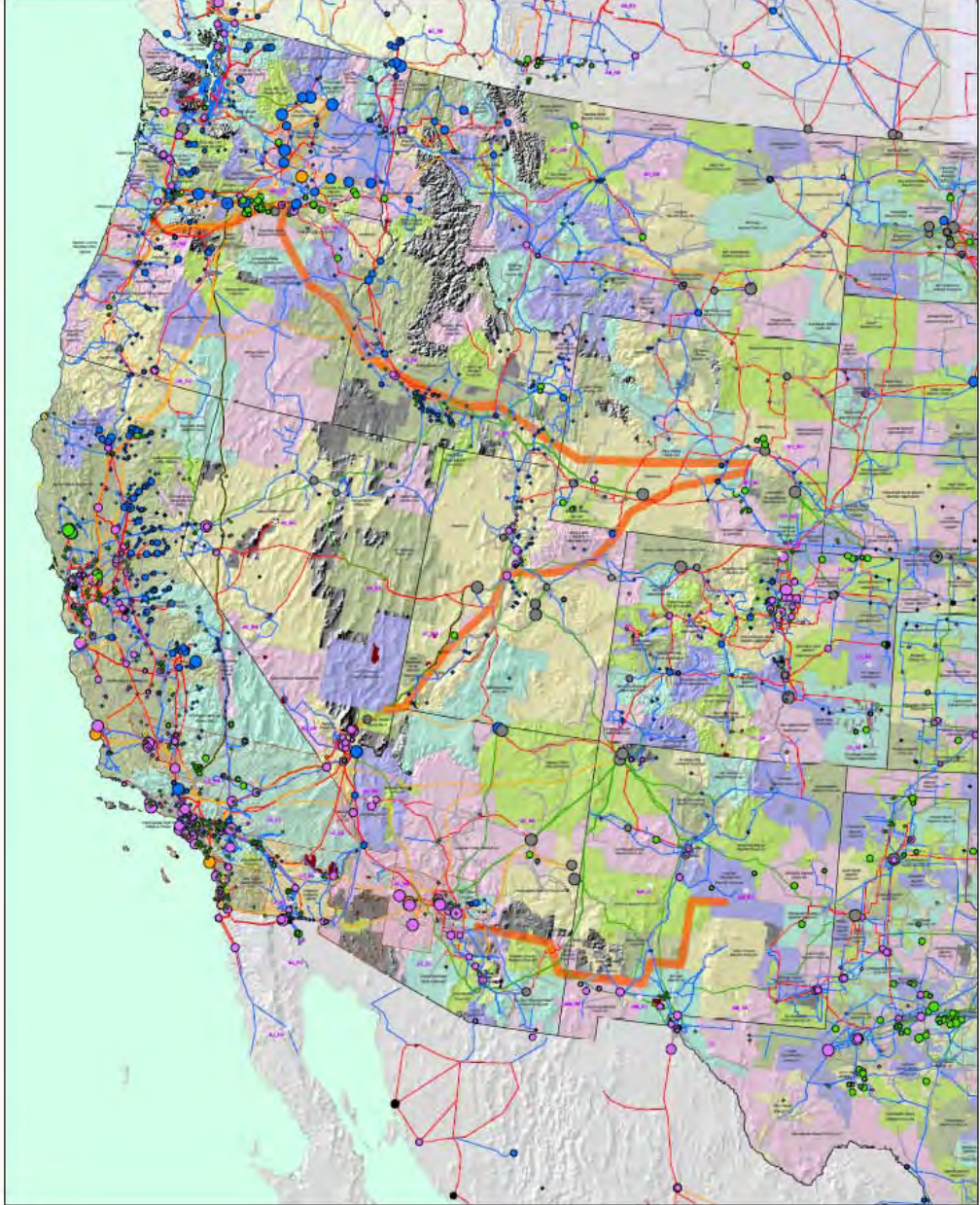
# INTERCONNECTION – WIDE PLANNING & VG INTEGRATION





# PROJECT DEVELOPMENT IN THE WEST

# Existing Electricity Generation and Transmission in the Western United States



Electric Power Plant <sup>1</sup>		Transmission Lines <sup>1</sup>	
<b>Nameplate Operating Capacity (MW)</b> • < 25 ○ 25 - 100 ○ 100 - 500 ○ 500 - 750 ○ 750 - 1,000 ○ > 1,000	<b>Primary Fuel Type</b> ● Coal ● Gas ● Nuclear ● Petroleum ● Hydropower ● Other Renewable ● Other	<b>Voltage (kV)</b> — 110 — 138 — 230 — 500 — 765 — 1100 — 1380 — 1725 — 2300	* Starting Power Plant <sup>2</sup> * Rapid Response Transmission Team Corridor <sup>3</sup> * Enhanced National Interest Transmission Corridor <sup>4</sup> * NIM Solar Storage Zone <sup>5</sup>

**Electric Utility Service Territories<sup>6</sup>**

This map was produced by the National Renewable Energy Laboratory for the U.S. Department of Energy.



# Renewables in the West

## Background: Multiple initiatives

- Western Renewable Energy Zones Initiative
- California Renewable Energy Transmission Initiative
- DOE/DOI Solar PEIS
- WECC – TEPPC and RTEP
- Others

## Next Steps for WREZ Phase III:

- Meet with purchasers of renewable energy.



# TRIENNIAL CONGESTION STUDY & DESIGNATION OF NAT'L CORRIDORS

# 2012 Triennial Congestion Study

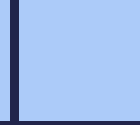


- Use existing studies to ID congestion
- Narrower areas of congestion
- Public Input: December workshops and written comments due 1/31/12
- DOE/FERC collaboration

# National Corridors - 2013



- Will identify potential project areas
- Will publish request for information or solicit statements of interest before beginning designation process
- Only if parties are interested in resolving congestion within a potential project area will DOE proceed with considering a designation.
- DOE/FERC Collaboration



The End