



*Renewable Energy
Transmission Initiative
(RETI)*



RETI

- **Challenge: Develop non-fossil generation fast enough**
 - To Meet 33% of Electrical Sales RPS Goal by 2020
 - To Meet AB 32 Greenhouse Gas Reduction Requirements
- **11% RPS Today- 30,500 GWH**
- **33% RPS by 2020- over 100,000 GWH**
- **Will Require Unprecedented Modification of Electrical System**
 - Develop Remote Renewable Generation
 - Develop Transmission Infrastructure to access it



RETI

- **Stakeholder Driven Collaborative Planning Process**
- **Competitive Renewable Energy Zones (CREZ)**
- **Transmission Plans to Access CREZ**
- **California and Adjacent Lands on Neighboring States**
- **Supports Regulatory Agency Permitting/Policy**
 - **Transmission**
 - **Renewable Generation**



RETI Stakeholder Steering Committee

- **Primary Working Group**
- **Key Stakeholder Representatives**
- **27 Members-**
 - **Transmission Owners and Generators**
 - **Electric Utilities**
 - **Environmental and Public Interest Groups**
 - **Federal, State, and Local Permitting Agencies**
 - **Military**



RETI Scope of Work

- **Phase 1A**
 - Study Methodology and Assumptions (5/08)
- **Phase 1B**
 - Identification and Ranking of CREZs (8/08)
- **Phase 2**
 - Refinement of CREZs for Priority Zones (12/08)
 - Development of Statewide Conceptual Transmission Plans
- **Phase 3**
 - Detailed Transmission Plan for Priority CREZs (09)



RETI Scope of Work

Phase 1B: Interim Report (8/08)

- **Details resources and projects**
 - 58 CREZs
 - 3,600 potentially developable projects
 - 500,000 megawatts
- **Details economic costs**
- **Environmental Screen will be applied for Final Report**
- **Projects passing both cost and environmental screens will be considered for transmission access in Phase 2**



RETI Scope of Work

Phase 2: Refinement of CREZ & Development Of Statewide Conceptual Transmission Plan

- **Expand/Refine CREZ Analysis**
 - **Siting/Environmental Constraints**
 - **Show-Stopping Issues**
 - **Renewable Resource Mix Scenarios**
 - **Least-Cost Best Fit Comparisons**



RETI Scope of Work

Phase 3: Detailed Transmission Plan

- **Conduct Detailed Analysis of Priority CREZs**
 - Generation & T-line Scenarios and Alternatives
- **Identify T-Line Project Sponsors**
- **Prepare T-line Plans of Service (CAISO & POU)**
- **Achieve Stakeholder Consensus**



RETI Information

- **How to register & RETI website:**
 - **www.energy.ca.gov/reti**
 - **List Server**
 - **Enter email address**