



Generation Interconnection Queue and ARRA Projects Update

Bob Emmert, Lead Interconnection Services Engineer
Phil Pettingill, Director, Regulatory Affairs

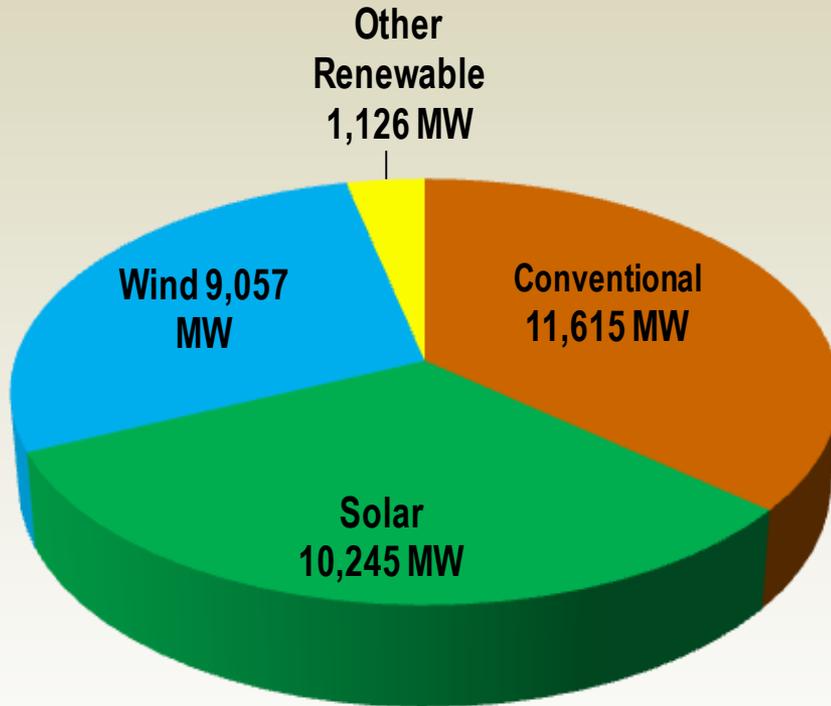
Board of Governors Meeting
General Session
November 2, 2010

Presentation overview

- Summary of ISO Generation Interconnection Queue
 - Number of projects, MW, type, location
 - Schedule for completion
- Briefing on American Recovery & Reinvestment Act (ARRA) projects
 - Program scope
 - Federal & State coordination & collaboration
 - ISO role

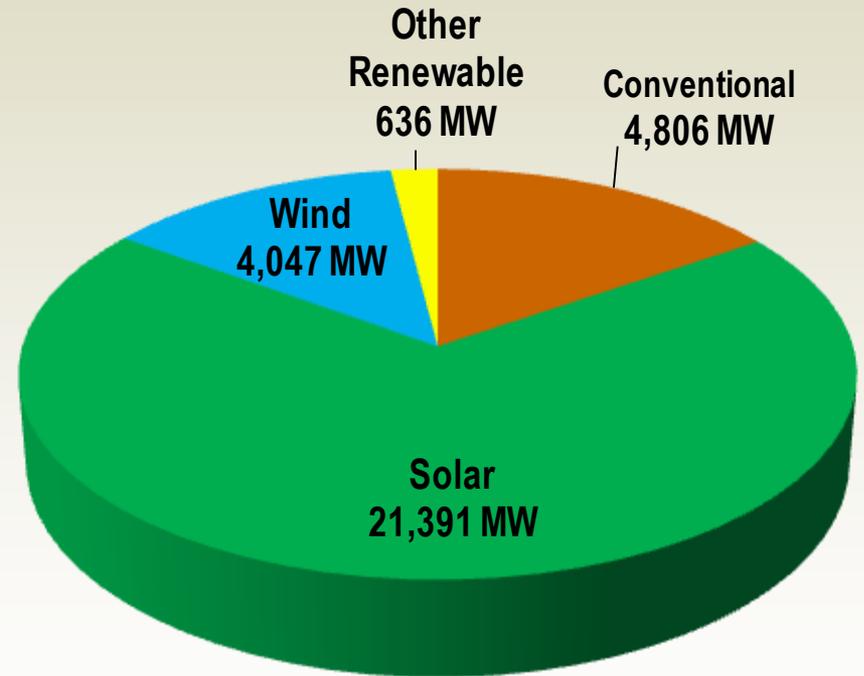
ISO generator interconnection queue by type (as of 10/19/2010)

Projects with completed studies



Total 32,043 MW

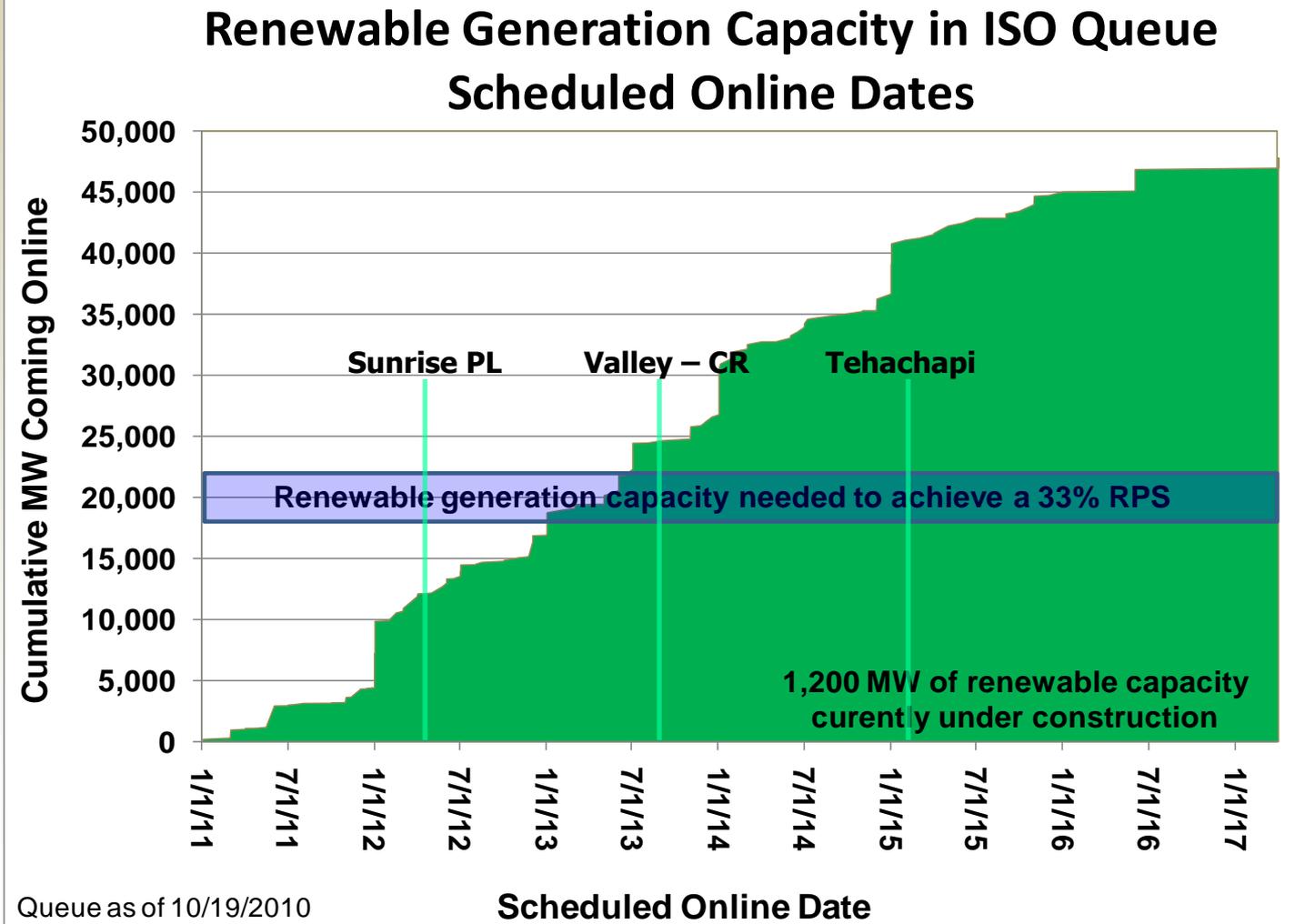
Projects in study process



Total 30,880 MW

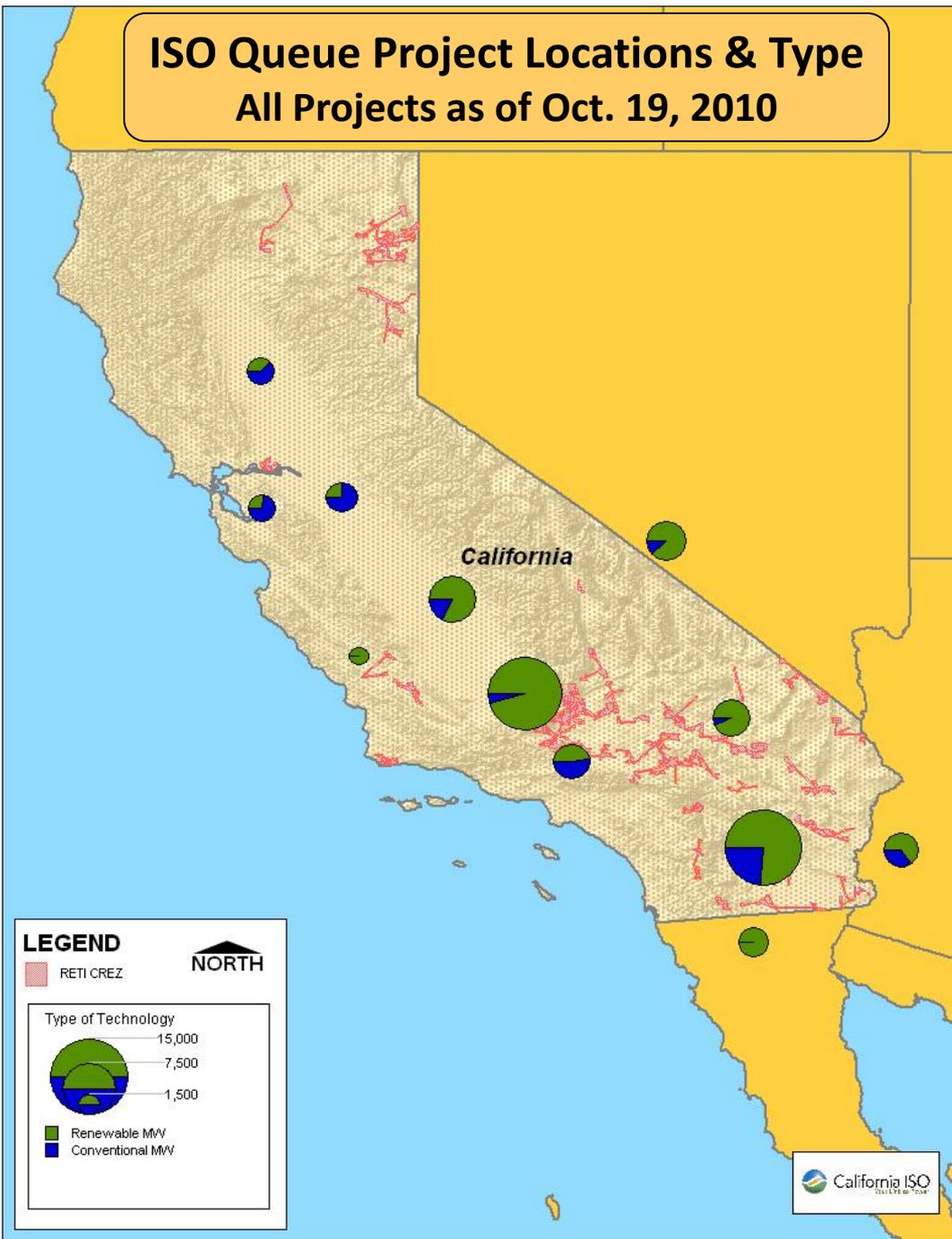
6,967 MW of online renewable generation

Queue currently holds more than double the estimated renewable generation capacity needed to achieve a 33% RPS

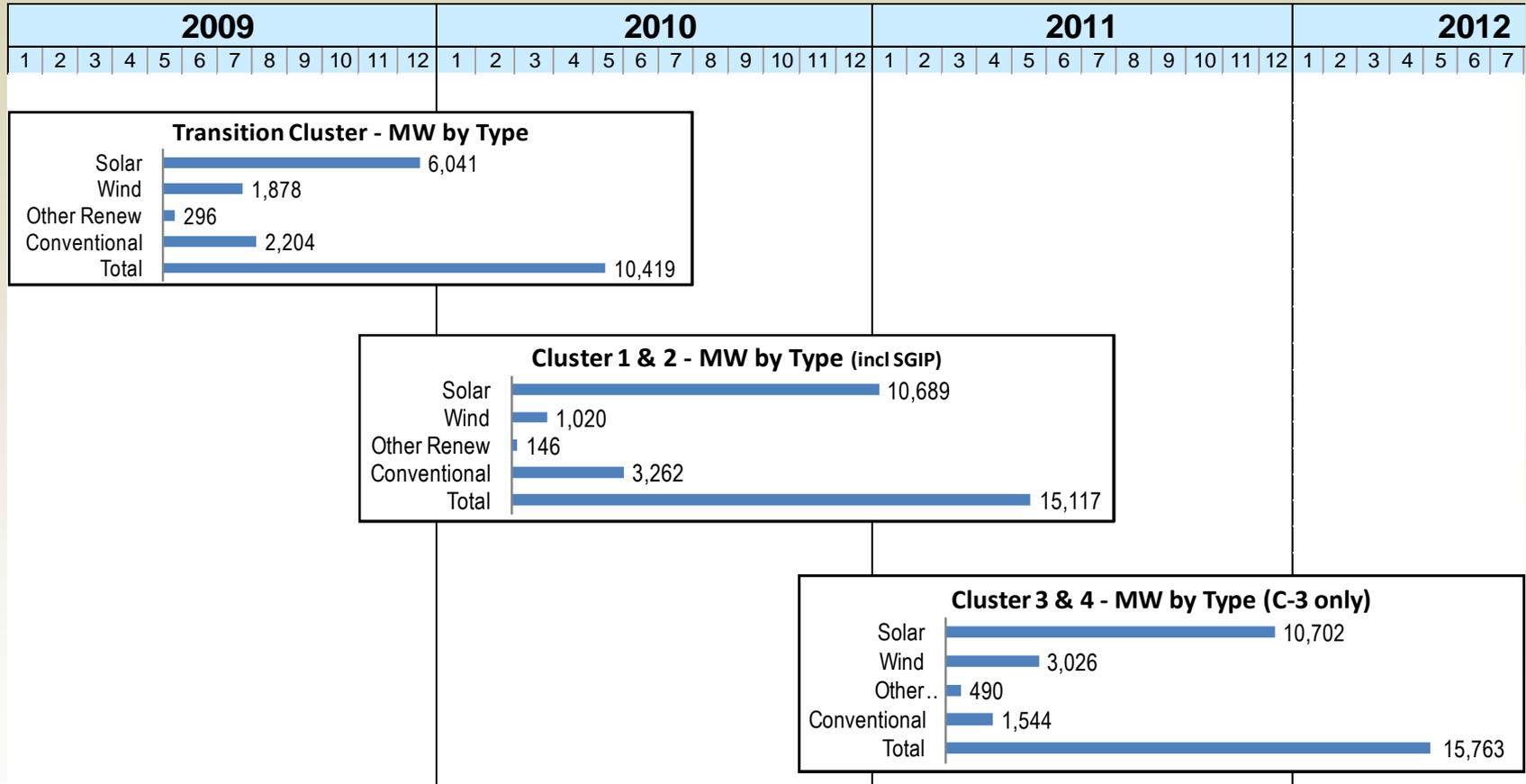


ISO Queue Project Locations & Type

All Projects as of Oct. 19, 2010



Timeline of LGIP cluster studies



American Recovery and Reinvestment Act of 2009 (ARRA)

- \$20 billion in tax incentives and direct grants aimed at encouraging development of renewable energy
 - Must begin construction by December 31, 2010
- \$8.5 billion in loan guarantees
 - Must begin construction by September 30, 2011
- Of the 344 renewable energy projects in the ISO interconnection process, 44 in-state projects totaling 10,422 MW are candidates for ARRA funding

Federal and State coordination and collaboration

- Renewable Energy Policy Group
 - Governor's Office, Department of the Interior
 - The ISO, State, and Federal agencies actively participate in monthly meetings
- Main Objectives
 - Coordinate and expedite the review and approval of renewable energy projects seeking stimulus funding that require construction to begin by December 31, 2010
 - The Governor's office is closely tracking 21 ARRA renewable projects totaling 8,255 MW – expected by Dec 2010
 - 13 totaling 5,976 MW may meet deadline
 - 8 totaling 2,279 MW unlikely to meet deadline

ISO actions to support ARRA projects

- Temporary waiver of financial security deposits
 - Approved by FERC on August 13, 2010
- Acceleration of transition cluster studies and reports
 - Collaboration with participating transmission owners
- Published technical bulletin offering one-time assessment of deliverable partial capacity – August 30th
- File Large Generator Interconnection Agreements
 - 7 Projects and almost 2,700 MWs – by end of November