



CTPG & ISO RTPP Coordination

RETI SSC Meeting
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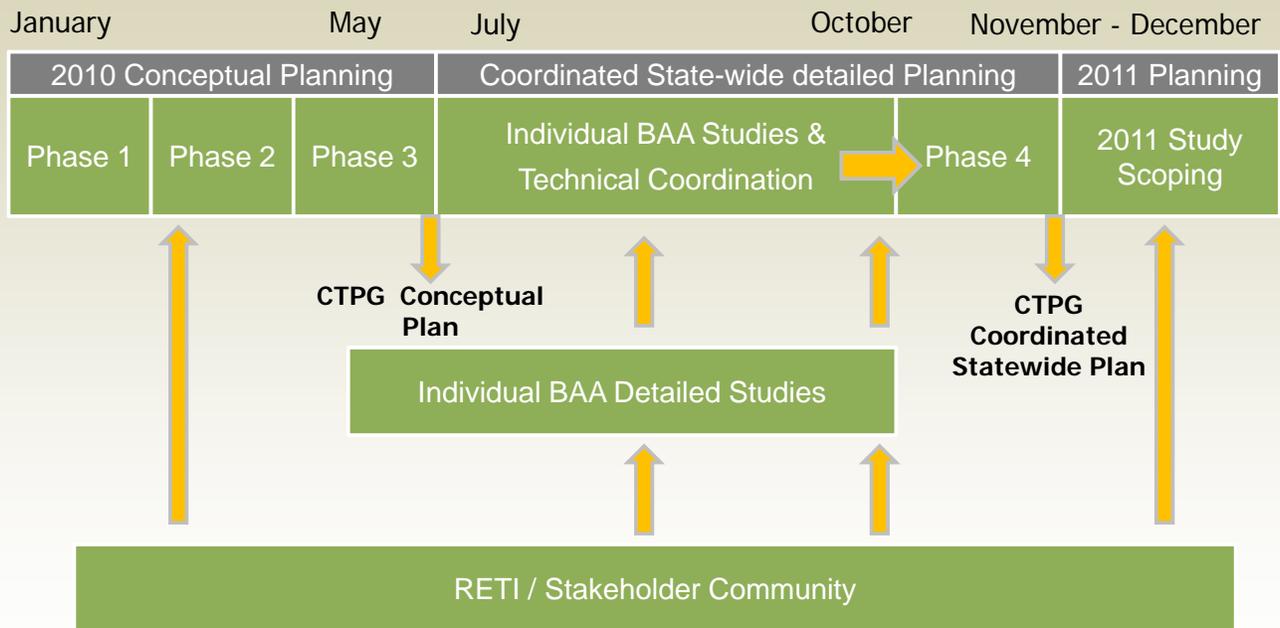
What the California Transmission Planning Group (CTPG) is trying to achieve?

- Develop a credible and comprehensive “least regrets” state-wide plan for achieving 33% RPS by 12/31/10
- Demonstrate that the plan is defensible
- Demonstrate that the plan has been coordinated, in particular, through the California Transmission Planning Group (CTPG)

What is required to produce a defensible and credible set of “least-regrets” facilities?

- Studies need to call-out and highlight potential “least regret” elements
- Study process needs to consider
 - Alternatives to proposed transmission
 - Estimated costs of transmission elements
 - Feasibility of siting and routing
- At some level, studies should comprehensively address load growth, reliability, and renewable interconnections to support 33% RPS.

CTPG 2010 Overview



LGIP projects will be integrated into the 2011 comprehensive plan.

- Serial Group/Transition Cluster interconnection study projects
- Transmission projects with LGIAs signed should be modeled in all CTPG/RTPP cases, and in our comprehensive transmission plan
- The Transition Cluster Phase II should be coordinated with projects that are identified in the CTPG and RTPP studies

August 2010 reliability will be integrated into the 2010/2011 RTPP studies.

- Short term projects can be simply added to the plan
- Long term projects as identified in the 2010 Transmission Plan
 - Long-term projects can be overlaid on the renewable transmission needs identified by CTPG
 - The two sets of needs will overlap
 - ISO engineers will consider alternatives that address both sets of problems and identify the most cost effective overall plan

Integration of LGIP and load growth related reliability projects into the 2012 comprehensive plan.

- Once the ISO establishes its renewable plan for its BAA at the end of 2010, it is also establishing a “reference case” upon which all future planning within the ISO’s BAA will be based
- Next year, transmission projects emanating from the LGIP and TPP studies should be designed so that they are coordinated with the TPP renewable “reference case” and a demonstration of this coordination should be required in all LGIP and TPP project recommendations.

When considering uncertainty in the future renewable portfolio; several points of fact are revealed.

- Existing CTPG approaches to developing a conceptual transmission plan by early July 2010 considers thirteen different portfolios and numerous additional alternatives.
- CTPG is beginning to consider how these results can be assessed to reach a “comprehensive”, “least regrets” plan
- Is it possible to identify the required needs without ranking or reducing the number of scenarios?
- If so, how many scenarios are most likely to be considered?

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