



# CTPG Update to SSPG

SSPG Stakeholder Meeting

March 29, 2011

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# Outline

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- General Update
- 2011 Process Improvements
- CTPG February 28<sup>th</sup> Stakeholder Input
- Proposed 2011 CTPG Work Plan
- Next Steps

# General Update

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- Posted Final 2010 California Statewide Transmission Plan on February 9, 2011
  - [www.ctpg.us](http://www.ctpg.us)
- CTPG Stakeholder Input Conference Call
  - February 28, 2011

# 2011 CTPG PROCESS IMPROVEMENTS

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- Based upon CTPG stakeholder input during the 2010 process, the CTPG has implemented the following process improvements:
  - Executive Committee Meetings
    - ✓ Executive Committee Meetings can now be attended by all interested parties
    - ✓ Attendees may provide comments to the committee
  - Stakeholder Input to CTPG Work and Study Plans
    - ✓ Stakeholder input meetings will be held prior to the development of CTPG Work and Study plans

# PROPOSED 2011 CTPG WORK PLAN

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- The purpose of the February 28<sup>th</sup> Stakeholder Input Meeting was to obtain input for the development of the 2011 CTPG Work Plan
- The CTPG received significant input in 2010 from stakeholders requesting a review of the CTPG study process, assumptions, and methodologies

# PHASE 1 STUDY PROCESS AND ASSUMPTIONS

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- Determine Base Case Approach:
  - Determine the approach for developing the base cases for the 2011 studies
  - Verify: Voltage Profile, Operating Reserve Levels, Path Load Levels
  - Determine the degree to which the base cases model “approved” transmission projects
  - Assess/modify the load levels modeled in California
- Verify Existing Renewables:
  - Review the amount of existing renewable resources included in the WECC seed case as compared to that assumed in the net short
  - Check characteristics of existing renewables in WECC seed case
  - Make adjustments if required

# PHASE 1 STUDY PROCESS AND ASSUMPTIONS

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- Incorporate OTC Assumptions:
  - Review the assumptions made in the WECC seed case for the number of OTC plants that will be mitigated or repowered with the best available information.
  - Make adjustments if required
- Review Path Flow Assumptions Prior To The Dispatch of Renewables
  - Provide direction for 2011 Phase 2 studies
- Update Net Short:
  - Collaborate with CEC on updating the Net Short and underlying assumptions to be used in the 2011 Phase 2 studies

# PHASE 1 STUDY PROCESS AND ASSUMPTIONS

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- Review Re-Dispatch Methodology:
  - Develop an approach for determining the appropriate re-dispatch of fossil fuel generation, including in-state and out-of-state assumptions to be used in the 2011 studies
- Review the Dynamic Stability Study Approach:
  - Develop an approach for when stability studies are warranted and how the stability studies will be performed
  - Work with the providers of dynamic study programs, if required, to improve on the functionality of modeling renewable resources
- Coordinate with TEPPC:
  - The CTPG, as a member of TEPPC, will participate in the 2011 TEPPC effort

# STAKEHOLDER INPUT

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- Request for contact information on the CTPG website
- Integration resources should be included in CTPG studies
- CTPG studies should include cost benefit analysis
- CTPG should provide for “slack capacity” in its assumptions
- Will there be better coordination between CTPG and the BAs in 2011?
- Storage should be included in the CTPG transmission planning studies since it should be considered a transmission element.

# STAKEHOLDER INPUT

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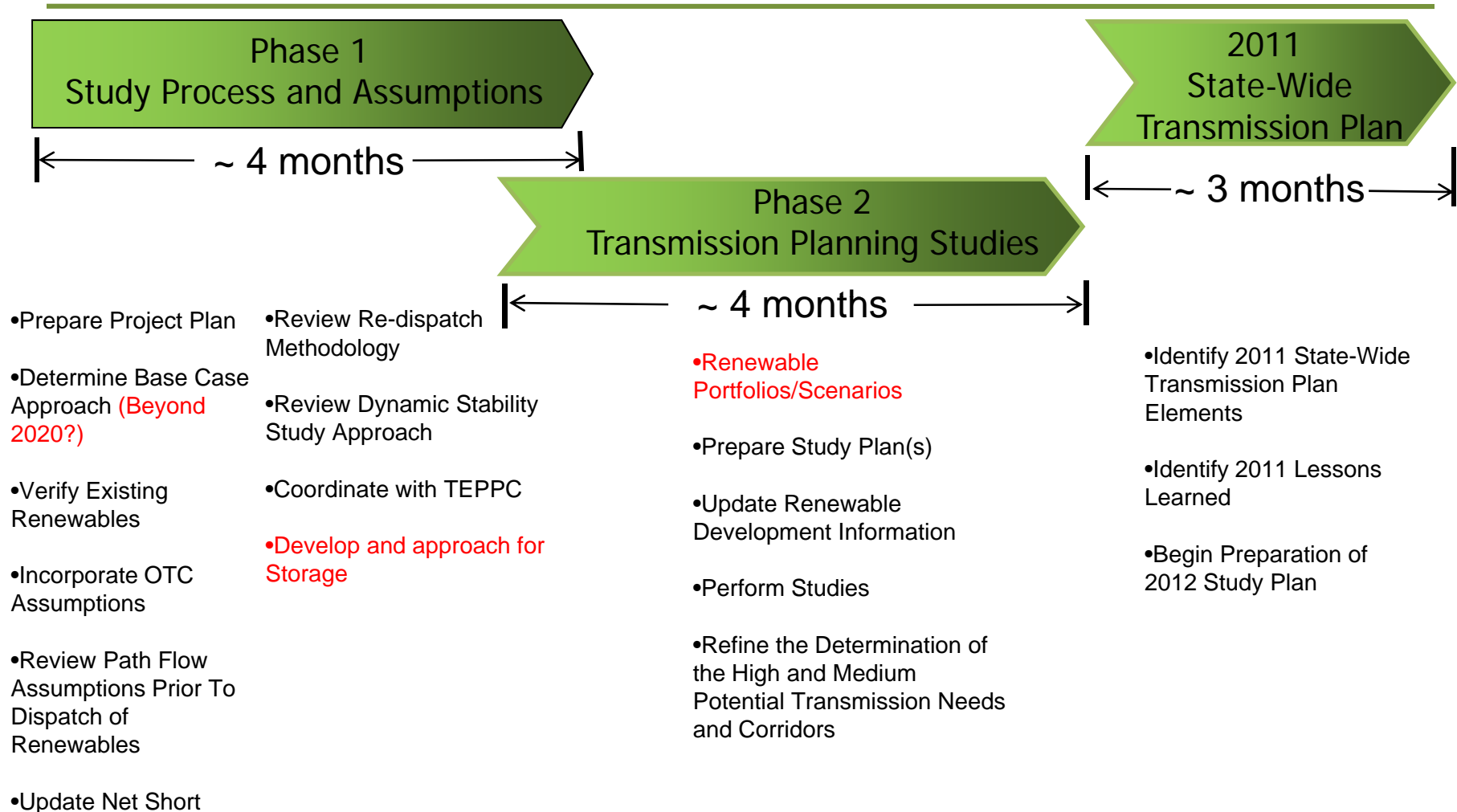
- CTPG should review the “approved” transmission projects contained in the base cases.
  - Stakeholders want to participate in the 2011 scenario development.
  - CTPG should look beyond 2020
  - Since the CEC IEPR won’t be final until the end of 2011, the CTPG should attend the CEC workshops.
  - How does the CTPG coordinate with TEPPC?
  - CTPG should include in service dates for projects recommended in the CTPG’s statewide plan
  - CTPG should provide project specific detail on renewable resource CREZs used in the CTPG studies
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# STAKEHOLDER INPUT

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- The CTPG should provide transmission project timelines, project status, and in service dates of projects.
- Will the three new High Potential Corridors be studied by the CTPG in 2011.
- Will the CTPG include the political reality in its 2011 studies.
- The CEC may be able to provide specific project information to assist in determining “existing” amount of renewables.
- CEC can provide other updated information to assist in revision of the net short

# STAKEHOLDER PROPOSED CTPG 2011 WORK PLAN



# TSC NEXT STEPS

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- Prepare Project Plan for the Phase 1, Study Process and Assumptions for TSC review
  - Review stakeholder comments through March 14
  - Review stakeholder recommendations and determine which study process and assumptions recommendations will be included in Phase 1
    - ✓ Resource Availability
    - ✓ Schedule
  - Present recommended Phase 1 Project Plan and resource assignments to Executive Committee Meeting on April 7, 2011