



# Technical Steering Committee Report

CTPG Executive Committee  
Meeting March 3, 2011

# Outline

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- General Update – Mo Beshir
- CTPG February 28<sup>th</sup> Stakeholder Meeting Presentation – Mike Deis
- CTPG February 28<sup>th</sup> Stakeholder Input – Gary DeShazo
- Proposed 2011 CTPG Work Plan – Mike Deis
- Next Steps – Mike Deis

# General Update

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- TSC conducted several conference calls in February:
  - Reviewed Stakeholder Input Meeting presentation
  - Reviewed Stakeholder comments from February 28, 2011 Stakeholder Input Meeting
- Posted Final 2010 California Statewide Transmission Plan on February 9, 2011
- Conducted CTPG Stakeholder Input Conference Call February 28, 2011

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# **FEBRUARY 28, 2011 STAKEHOLDER MEETING PRESENTATION– MIKE DEIS**

# 2011 CTPG PROCESS IMPROVEMENTS

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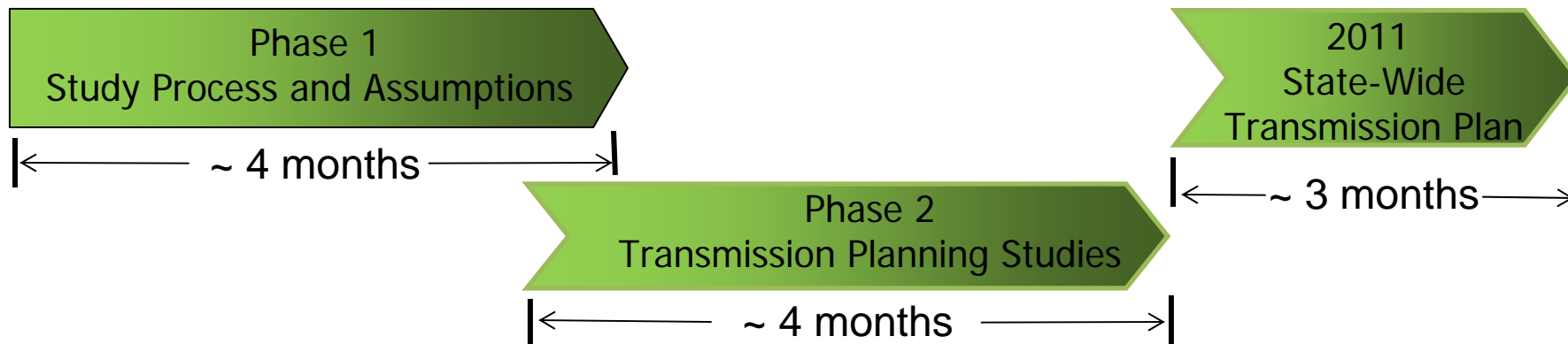
- Based upon CTPG stakeholder input during the 2010 process, the CTPG has implemented the following process improvements:
  - Executive Committee Meetings
    - ✓ Executive Committee Meetings can now be attended by all interested parties
    - ✓ Attendees may provide comments to the committee
  - Stakeholder 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

# PROPOSED CTPG 2011 WORK PLAN



- Prepare Project Plan
- Determine Base Case Approach
- Verify Existing Renewables
- Incorporate OTC Assumptions
- Review Path Flow Assumptions Prior To Dispatch of Renewables

- Update Net Short
- Review Re-dispatch Methodology
- Review Dynamic Stability Study Approach
- Coordinate with TEPPC

- Prepare Study Plan(s)
- Update Renewable Development Information
- Perform Studies
- Refine the Determination of the High and Medium Potential Transmission Needs and Corridors

- Identify 2011 State-Wide Transmission Plan Elements
- Identify 2011 Lessons Learned
- Begin Preparation of 2012 Study Plan

# 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

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# STAKEHOLDER INPUT – GARY DESHAZO

# 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

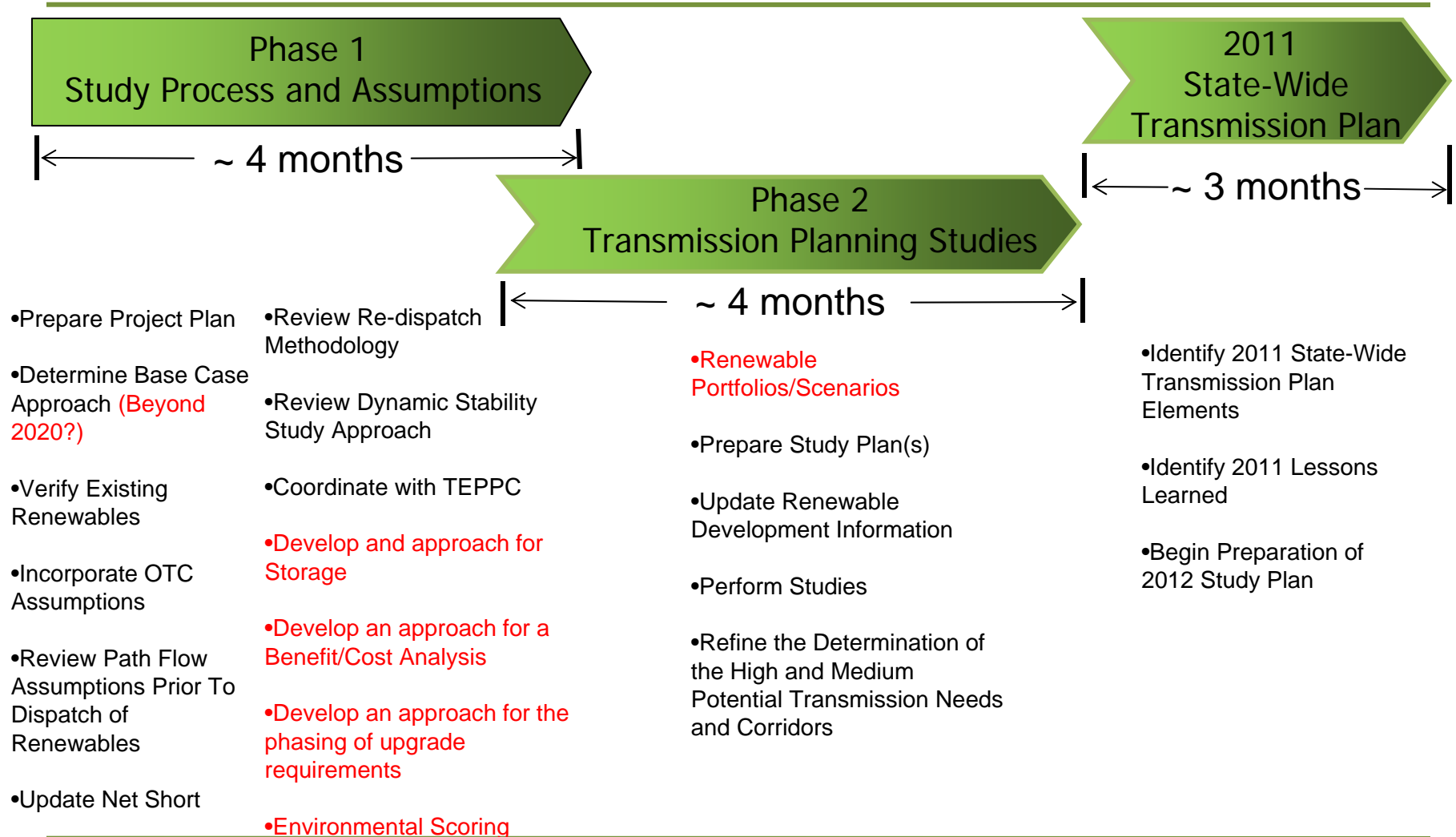
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- The CTPG should provide transmission project timelines, project status, and in service dates of projects.
- Will the three new High Potential Corridors be studied by the CTPG in 2011.
- Will the CTPG include the political reality in its 2011 studies.
- 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

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# **PROPOSED 2011 CTPG WORK PLAN – MIKE DEIS**

# STAKEHOLDER PROPOSED CTPG 2011 WORK PLAN





# PROPOSED CTPG 2011 WORK PLAN:

## Phase 1 Preliminary Resources

Phase 1 Tasks	Task Discription	Lead	Company
1	Prepare Phase 1 Project Plan	Mike Deis	SMUD
2	Determine Base Case Approach ( <i>Beyond 2020?</i> )	Craig Cameron/Larry Gilbertson	SMUD/TID
3	Verify Existing Renewables	David Larsen	TANC
4	Incorporate OTC Assumptions	Steve Mavis/Vijay Bangalore	SCE/PG&E
5	Review Path Flow Assumptions Prior To Dispatch of Renewables	Jan Strack	SDG&E
6	Update Net Short	Mike Deis	SMUD
7	Review Re-dispatch Methodology	Jan Strack	SDG&E
8	Review Dynamic Stability Study Approach	Gary DeShazo	CAISO
9	Coordinate with TEPPC	Setve Metague/ Vicken Kasarjian	PG&E/SMUD
10	<i>Develop and approach for Storage</i>	Mo Beshir	LADWP
11	<i>Develop an approach for a Benefit/Cost Analysis</i>		
12	<i>Develop an approach for the phasing of upgrade requirements</i>		
13	<i>Environmental Scoring</i>		

# 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
  - Conduct stakeholder meeting to review recommendations and proposed Project Plan
  - Present recommended Phase 1 Project Plan and resource assignments to Executive Committee Meeting on April 7, 2011



Thank you!