



# CTPG Stakeholder Meeting Development of 2011 Work Plan

February 28, 2011

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**MEETING WELCOME – MO BESHIR**  
**CTPG TECHNICAL STEERING COMMITTEE CHAIR**

# Agenda

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Meeting Welcome	1:00 – 1:05	Mo Beshir
Meeting Agenda	1:05 – 1:10	Mo Beshir
The CTPG Organization	1:10 – 1:15	Mo Beshir
Proposed 2011 CTPG Work Plan	1:15 – 1:25	Mike Deis
Phase 1 Study Process and Assumptions	1:25 – 1:35	Mike Deis
Phase 2 Transmission Planning Studies	1:35 – 1:40	Gary DeShazo
Stakeholder Input	1:40 – 2:50	Mike Deis
Meeting Wrap-Up	2:50 – 2:55	Mo Beshir
Adjourn	2:55	

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# CTPG ORGANIZATION – MO BESHIR

# CTPG ORGANIZATION

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**CTPG Executive Committee**  
Chair: Jim Avery SDG&E

**CTPG Members:**

- Imperial Irrigation District (IID)
- Los Angeles Department of Water and Power (LADWP)
- Pacific Gas and Electric (PG&E)
- Southern California Edison (SCE)
- Southern California Public Power Authority (SCPPA)
- San Diego Gas and Electric (SDG&E)
- Sacramento Municipal Utility District (SMUD)
- Transmission Agency of Northern California (TANC)
- Turlock Irrigation District (TID)

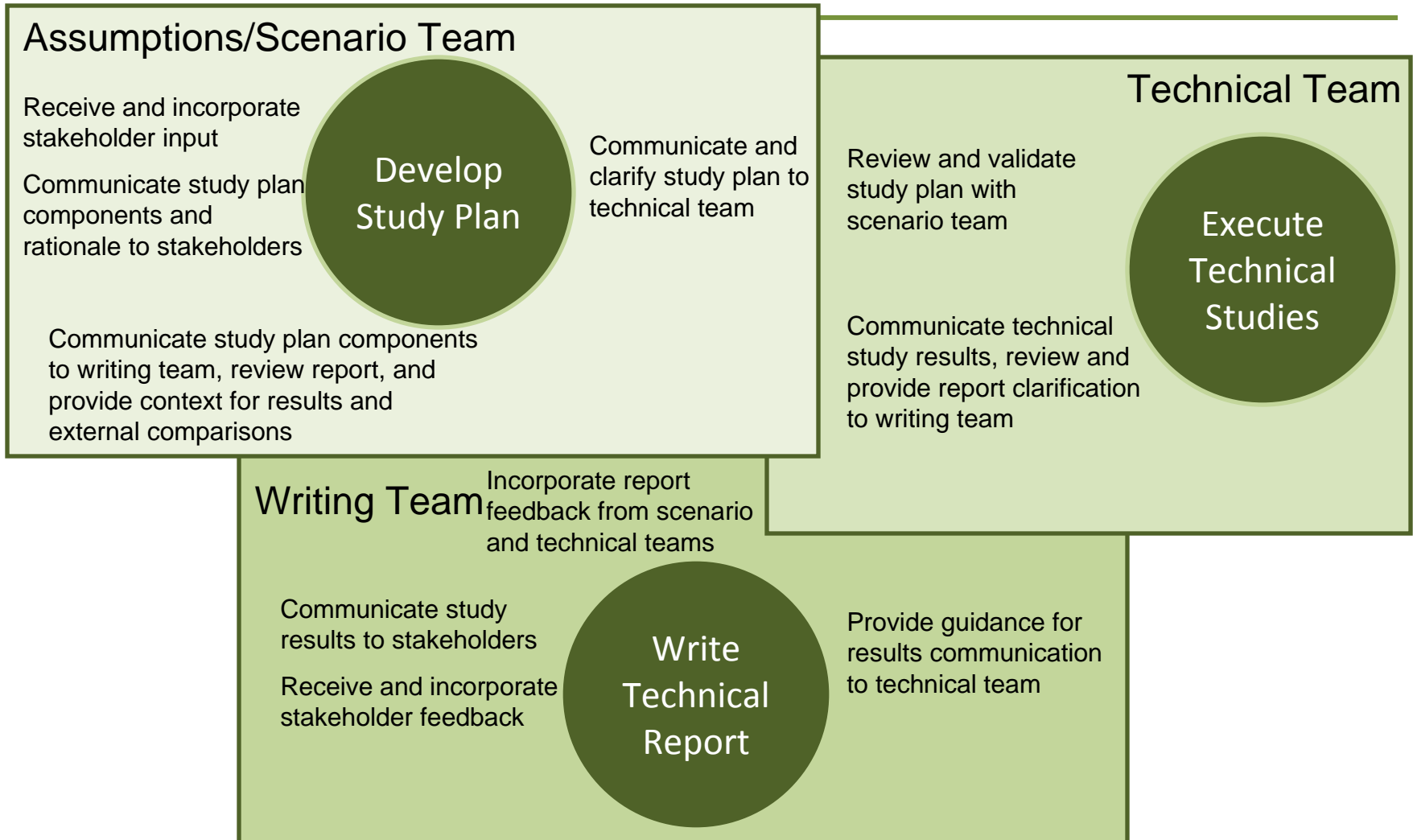
**Non-Member participants are:**

- California Independent System Operator (ISO)
- Western Area Power Administration (Western)

**Technical Steering Committee**  
Chair: Mo Beshir LADWP

**Scenario Team**  
**Technical Study Team**  
**Writing Team**

# CTPG TEAMS



# 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

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# PROPOSED 2011 CTPG WORK PLAN – MIKE DEIS



# PROPOSED 2011 CTPG WORK PLAN

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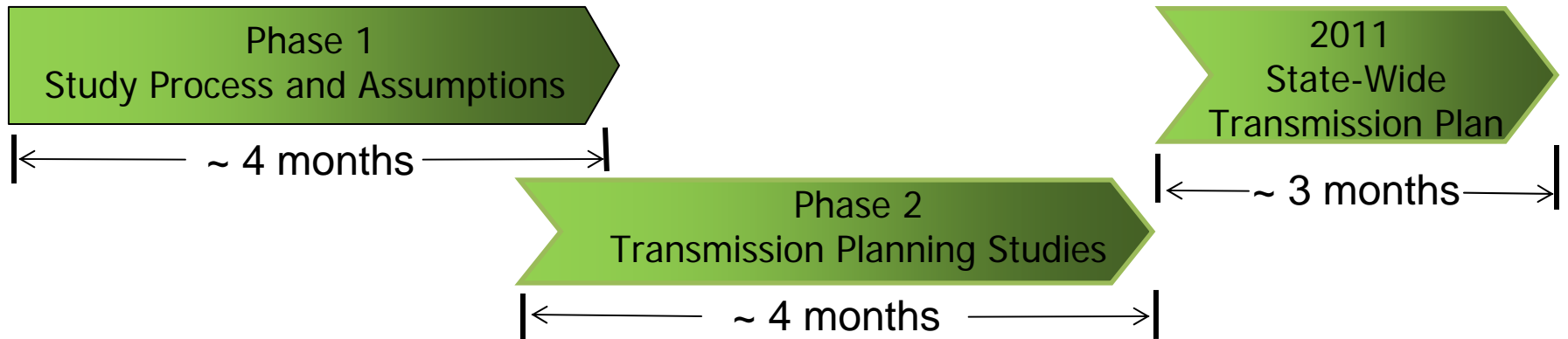
- The purpose of today's meeting is to obtain input from stakeholders for the development of the 2011 CTPG Work Plan
- The CTPG received significant input in 2010 from stakeholders requesting a review of the CTPG study assumptions and methodologies
- The CTPG believes it is important that these study assumptions and methodologies be more thoroughly vetted prior to beginning additional studies in 2011

# PROPOSED 2011 CTPG WORK PLAN

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- The CTPG proposes the following high-level Work Plan straw-man for stakeholder input

# PROPOSED CTPG 2011 WORK PLAN



- Prepare Project Plan
- Perform Base Case Review
- 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

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# **PHASE 1**

## **STUDY PROCESS AND ASSUMPTIONS – MIKE DEIS**

# PHASE 1 STUDY PROCESS AND ASSUMPTIONS

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- Perform Base Case Review:
  - 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

# 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.
- Review Path Flow Assumptions Prior To The Dispatch of Renewables:
- Update Net Short:
  - Collaborate with CEC on updating the Net Short and underlying assumptions.

# 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
- 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 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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# PHASE 2 TRANSMISSION PLANNING STUDIES – GARY DESHAZO



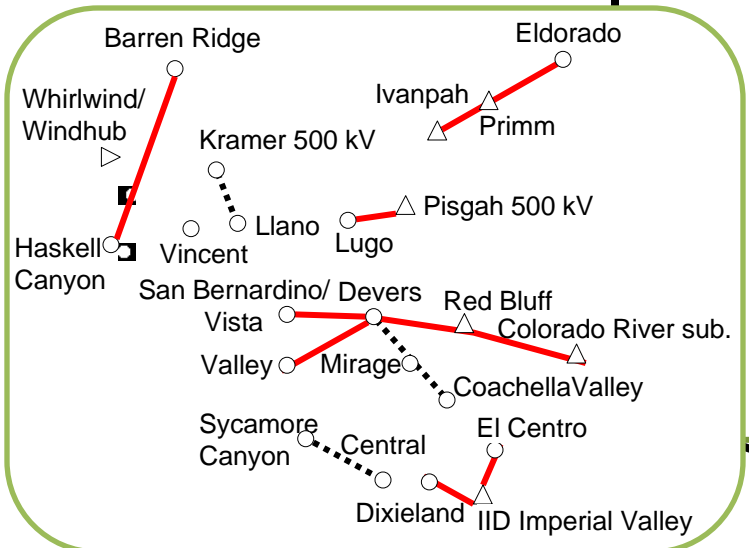
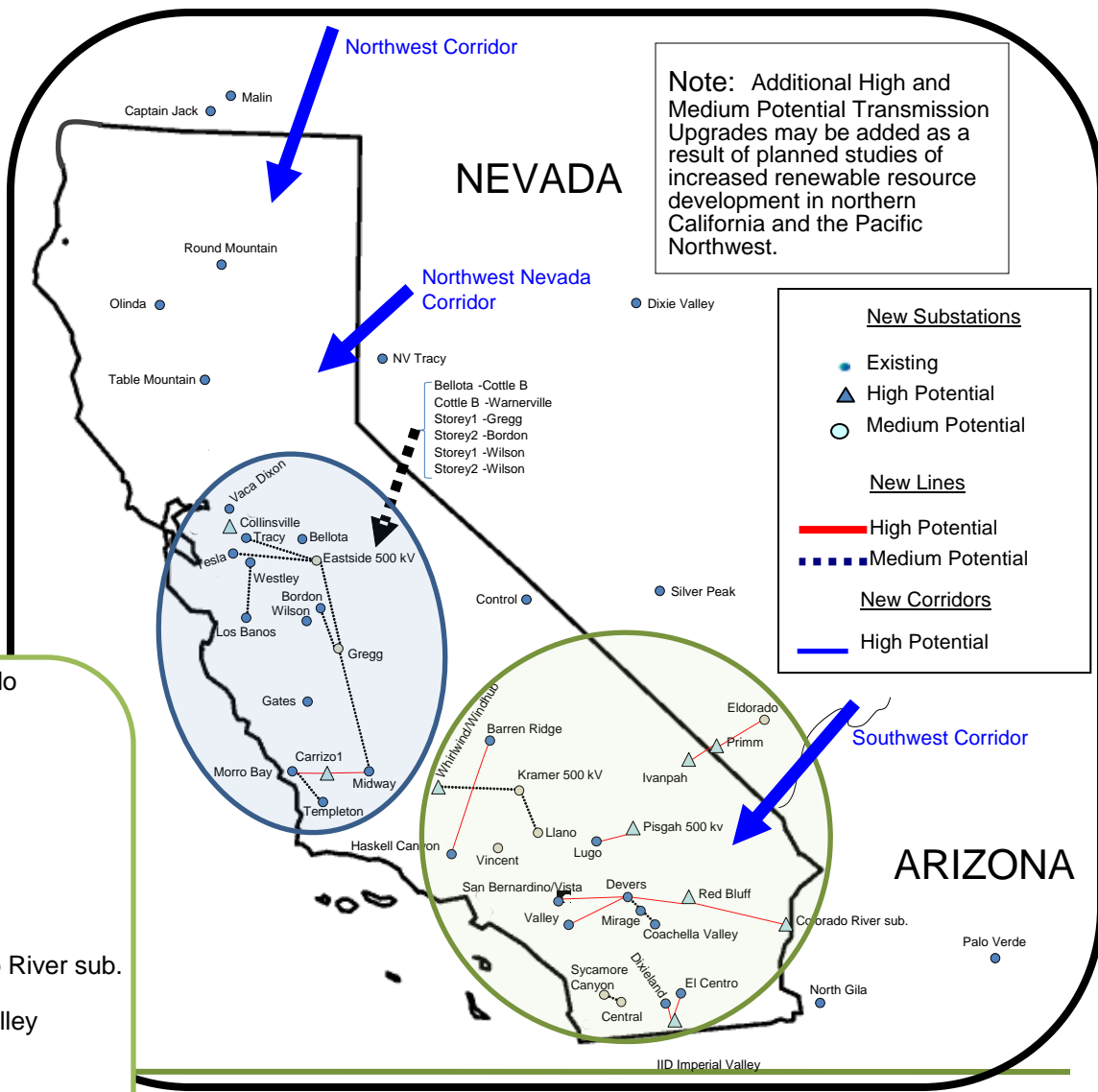
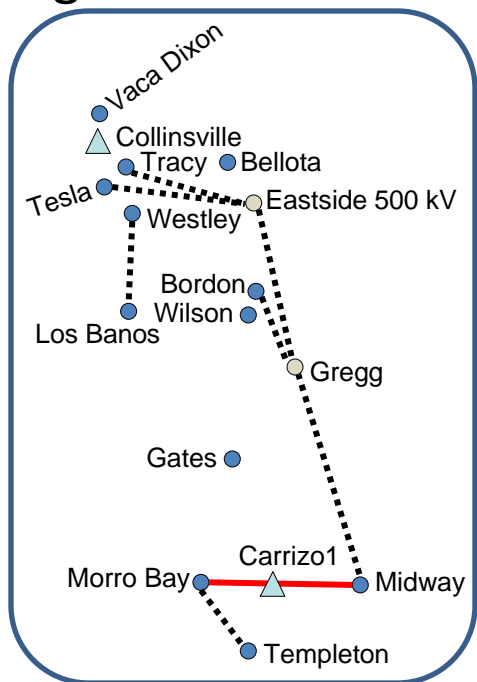
# PHASE 2 TRANSMISSION PLANNING STUDIES

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- Obtain stakeholder input prior to the development of the 2011 study plan(s)
- Prepare 2011 Study Plan(s)
- Update renewable resource development Information
- Perform Studies
- Refine the determination of the High and Medium Potential Transmission needs and corridors

# 2010 CTPG Statewide Transmission Plan

## High and Medium Potential Transmission Upgrades and Corridors



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# STAKEHOLDER INPUT – MIKE DEIS



Thank you for you input and  
attendance