

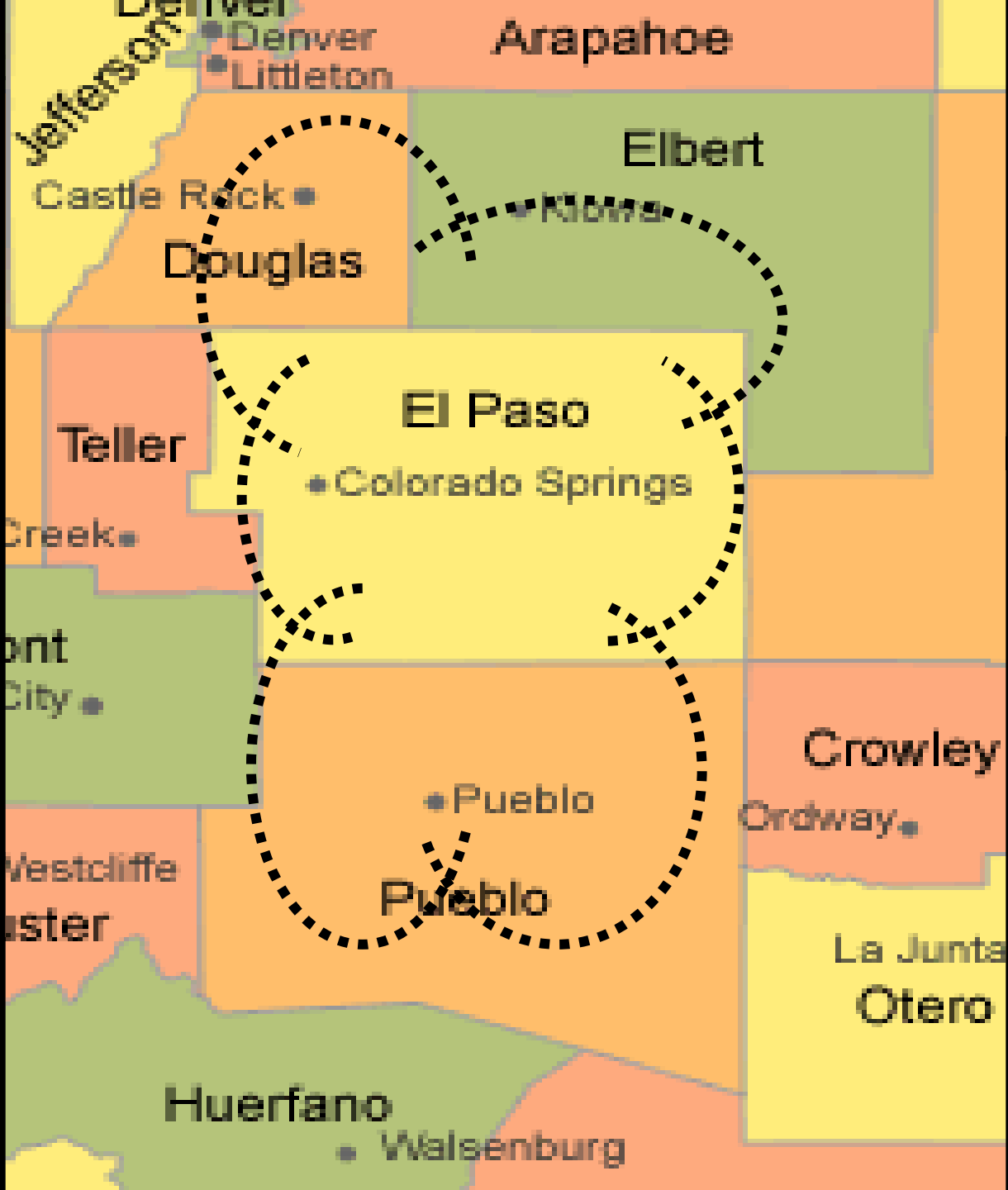
DEEP SUB-COMMITTEE

REPORT TO CCPG

APRIL 22, 2010

DEEP BACKGROUND

- Proposed new Sub-Committee at CCPG meetings
- Included on CCPG Charter Organizational Chart
- Kick-Off Meeting March 22, 2010
- Open Meetings - Invitation to Participate
 - CCPG Mailing List
 - WestConnect Web Site:
http://www.westconnect.com/planning_ccpg_deep.php



DEEP PARTICIPANTS

(INDICATED INTEREST)

- Colorado Springs Utilities
- Black Hills Power
- Tri-State Generation & Transmission Association
- Public Service Company of Colorado
- Western Area Power Administration
- Intermountain REA
- City of Fountain
- Municipal Energy Agency of Nebraska
- Arion Energy

PURPOSE OF DEEP

WHAT WE ARE

The DEEP SC will study regional solutions for the load serving portion of the transmission system unique to this region.

WHAT WE ARE NOT

The focus of the DEEP SC does not include generator interconnection. Refer to FERC LGIP.

Bulk power state-wide or larger regional planning

DEEP 2010 STUDY PLAN

FROM CCPG CHARTER:

Before study work begins, a study plan will be prepared by an assigned subgroup and presented to the Oversight Committee for approval. A study plan must include:

- Purpose and need
- Objectives
- Assumptions and study performance criteria
- Development of base case and other data
- Methodology
- Description of contingencies to be examined
- Schedule
- Assignment/allocation of study work

DEEP 2010 STUDY PLAN

PURPOSE AND NEED

Colorado Springs Utilities has identified area overloads in the 5-10 year planning horizon. This 2010 Study Plan seeks to explore regional/multi-utility alternatives to resolve these projected overloads.

DEEP 2010 STUDY PLAN

OBJECTIVES

The objective of the 2010 Study Plan is to explore and develop alternatives to mitigating projected overloads described above within the scope and footprint of the DEEP SC.

DEEP 2010 STUDY PLAN

ASSUMPTIONS AND STUDY PERFORMANCE CRITERIA

Studies will be conducted utilizing expected heavy summer loads and resources. A base case will be developed representing the year 2020 for initial studies and development of alternatives. Studies will focus on N-0 and N-1 performance, and will apply the same performance criteria used by the CCPG NERC Compliance Sub-Committee in their studies.

DEEP 2010 STUDY PLAN

DEVELOPMENT OF BASE CASES AND OTHER DATA

The 2020 base case developed for the High Plains Express studies without the High Plains Express project will be examined as a starting point. Once a suitable base case is identified, the data contained therein (loads, resources, topology, etc.) pertinent to the scope of the 2010 Study Plan will be examined and refined by study participants.

DEEP 2010 STUDY PLAN

METHODOLOGY & DESCRIPTION OF CONTINGENCIES TO BE EXAMINED

Area overloads will be identified through an automated N-0 and N-1 analysis on model zones 757, 700, 704, 712, 791. Alternatives will be developed to relieve the overloads identified. These alternatives will be presented to the CCPG and form the basis for additional study efforts.

DEEP 2010 STUDY PLAN

SCHEDULE

The DEEP SC will have as a goal to present initial alternatives for mitigation of identified overloads at the August CCPG meeting. A final report will be completed by December 30, 2010.

DEEP 2010 STUDY PLAN

ASSIGNMENT/ALLOCATION OF STUDY WORK

Colorado Springs Utilities has agreed to perform the load-flow analysis necessary for these studies.



APPROVAL OF
DEEP 2010 STUDY PLAN?



QUESTIONS