

Colorado Long Range Transmission Planning Group 2008 Study Progress

Stakeholder Update Meeting
May 6, 2008

Presented by _____



CLRTPG Progress

- Previous Study Progress
- Status of Case Development
- Status of Scenario A
- Potential Solutions to Problem Areas
- Schedule Review



Previous Study Progress

(3/25/08)

- Nearing Completion of Case Development for 2018 Timeframe
 - Using 2018 WECC Review Case
 - Case Released 3/14/08
- Scenario Definitions Finalized
 - Four Scenarios
 - Subject to Adjustments As Scenarios are Being Analyzed



Case Development

- Case Review and Development Continues
 - Each LSE Reviewing Their System for Corrections
- Study Work on Scenarios Proceeding
 - Comparison of Cases to Detect Problems Caused by Resource Injections



Scenarios

- A. Transmission system to accommodate Colorado and Wyoming utilities' loads and resource plans.
 - This includes the minimum requirements contained in Colorado's Renewable Portfolio Standard.
- B. Includes significant Wyoming generation resources
 - Injected into the proposed Wyoming-Colorado Intertie Project.
- C. Includes Up To 5% of the capacity in Colorado's Wind GDAs.
- D. Includes 2000 MW from Colorado's Central Solar Power GDAs.



Scenario A

- Changed A Injection Locations
- Found Some Problem Areas
 - Pawnee
 - Lamar
- In Process of Determining Best Solutions



Brainstorm Solutions

- Several Solution Ideas Follow
- Initial Focus
 - Lamar Area
 - Pawnee Area
- Transmission Additions to Solve Contingencies



Potential Solutions

- Lamar Area: Example Solutions
 - 500 kV lines: Burlington – Big Sandy, Big Sandy – Midway, Midway – Boone
 - 500 kV lines: Burlington – Big Sandy, Big Sandy – Boone
 - 230 kV Lamar – Vilas – Walsenburg – Comanche line

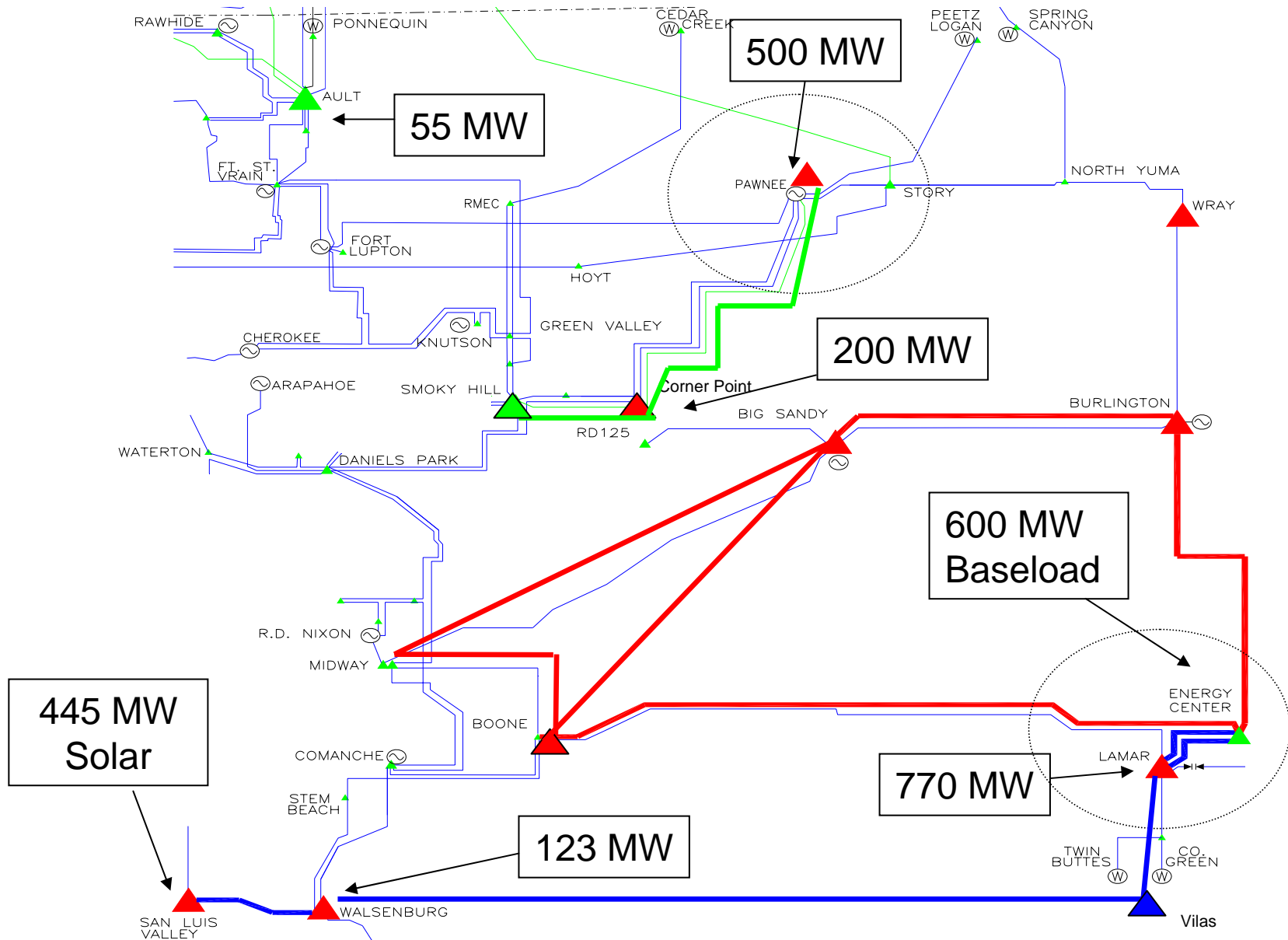


Potential Solutions

- Pawnee Area: Example Solution
 - Second Pawnee – Smoky Hill 345 kV Line
 - Second Smoky Hill 230/345 kV Transformer



Scenario A High Wind Injections



Schedule Review

- Delay in Review Case Release
- Final 2018 Case Release Date Scheduled for May 30, 2008
- Goal Timeframe:
 - Study Work Complete by End of June
 - Report by End of August



Questions or Comments?

