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TOT3 Expansion Project

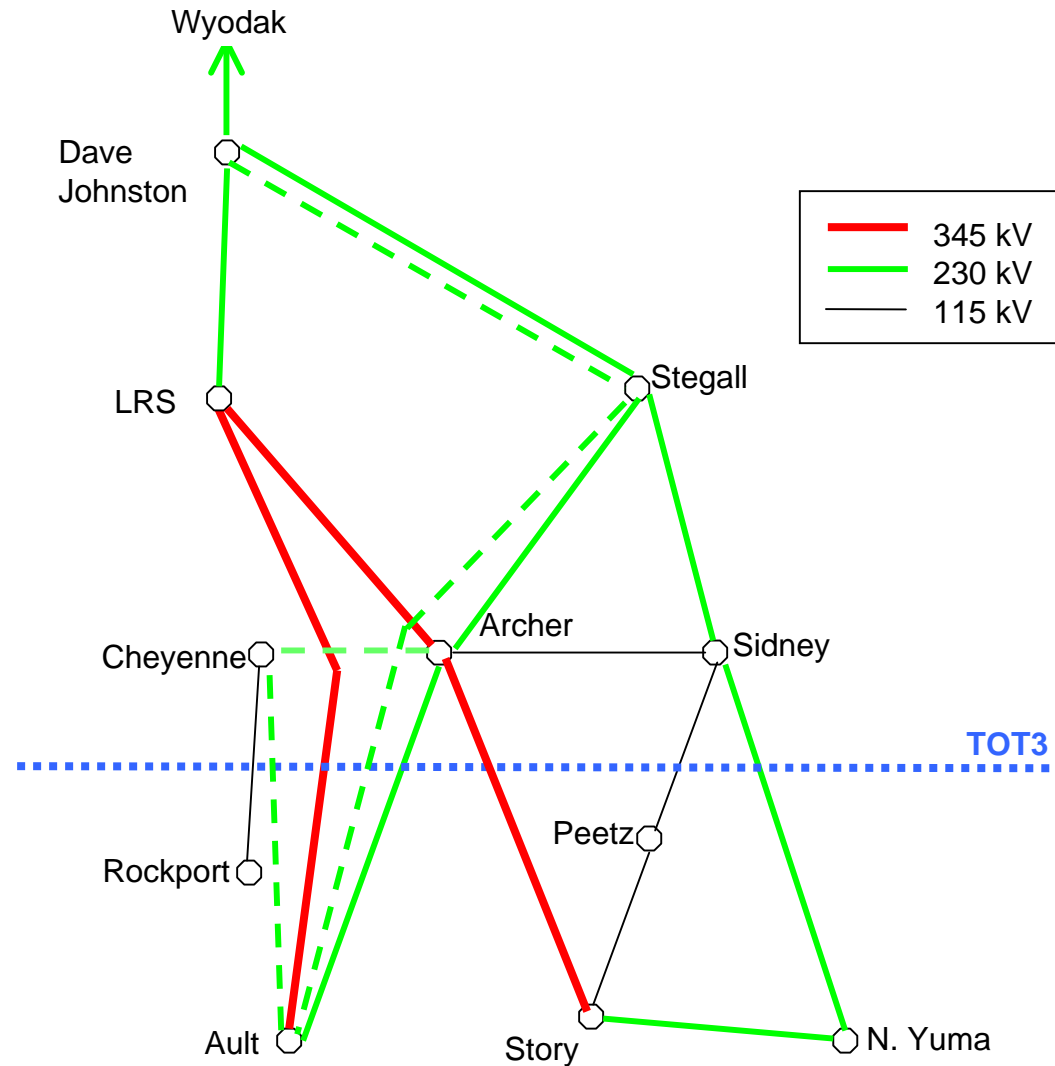
Colorado Coordinated Planning Group Meeting
December 12, 2006

Siemens Power Transmission & Distribution, Inc.
Power Technologies International

- Adds transmission capacity between low-cost coal and wind resources in Wyoming and growing loads in the Colorado Front Range
- Included in RMATS Recommendation 1
- Project being developed by Trans-Elect and Wyoming Infrastructure Authority with support by WAPA
- Consultants selected (so far):
 - Planning Studies – Siemens/PTI
 - Corridor, Permitting & ROW Assessment – Burns & McDonnell
- Capacity & ownership commitments, including an Open Season planned for mid-2007

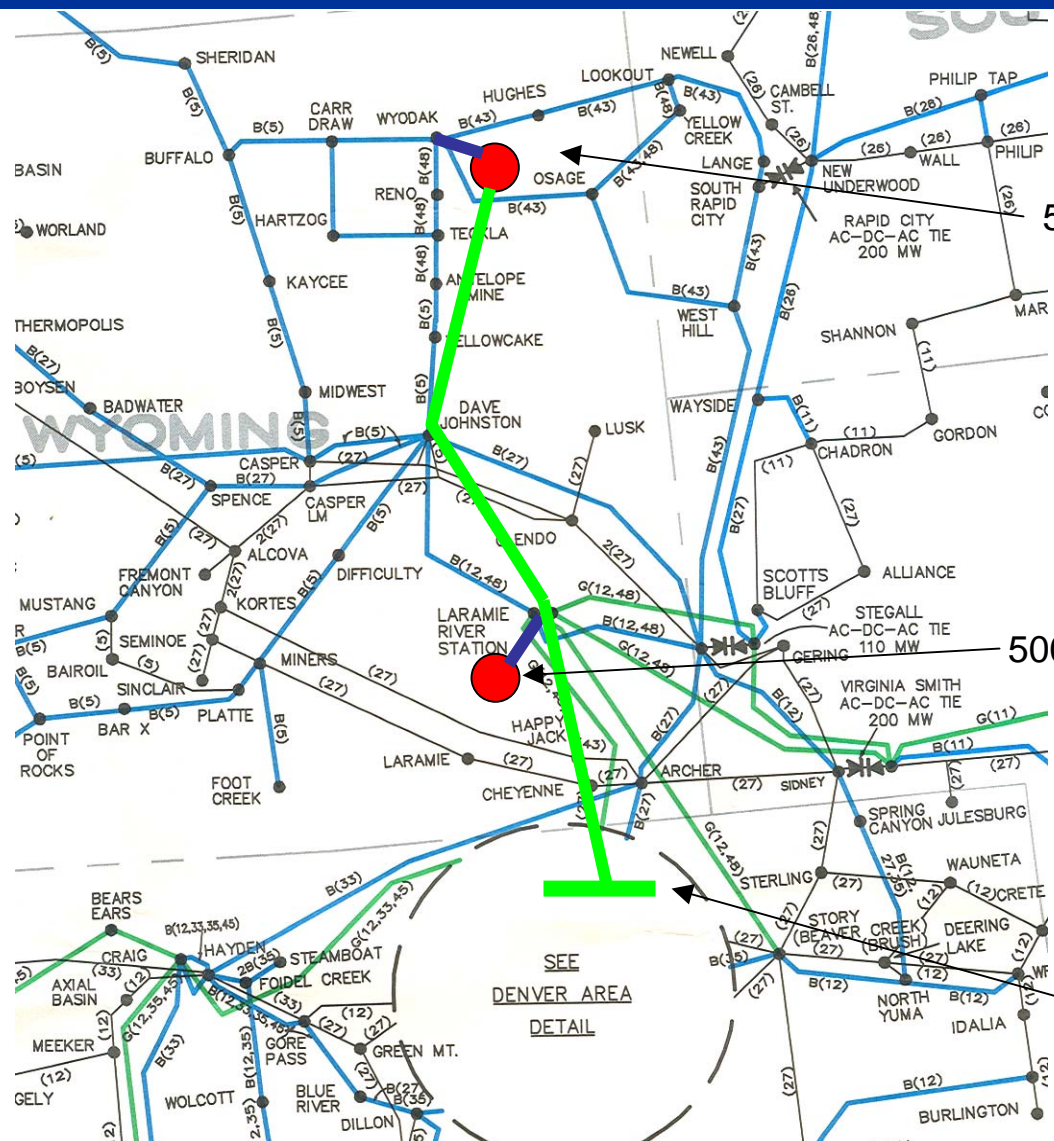
- Power flow studies have been conducted considering a number of various scenarios:
 - 345 kV and double-circuit 230 kV
 - Integrated and radial configurations
 - Termination at Pawnee and RMEC
 - WJQS Alternative C and Alternative K
 - CLRTPG Northern Alternative 1 and Northern Alternative 2

Possible TOT3 Interface in 2015 from WJQS



TOT3 Expansion Integrated Line Configuration

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500 MW Coal

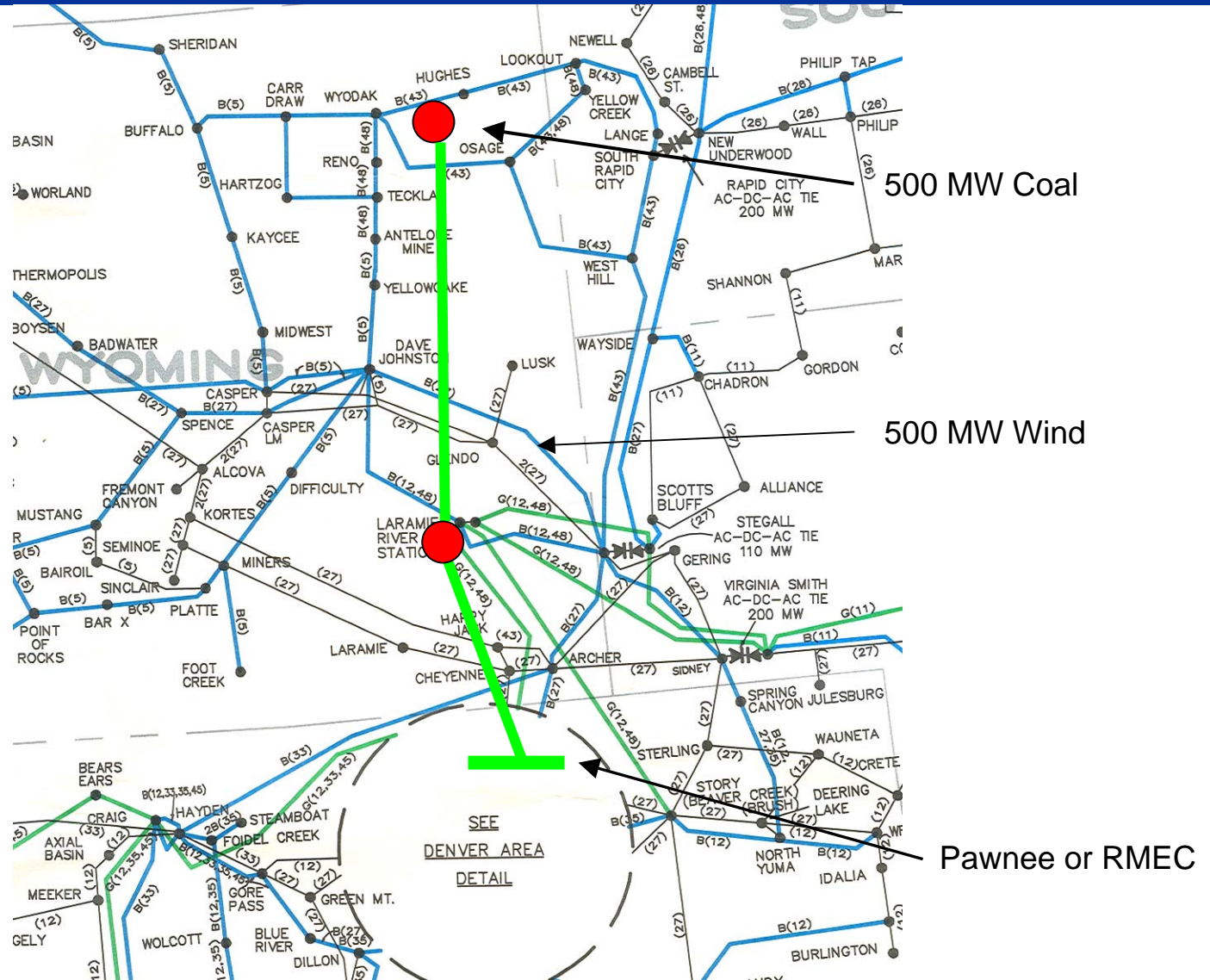
500 MW Wind

Pawnee or RMEC

- Generation ●
- Lines
- 345 kV —
- 230 kV —

TOT3 Expansion Radial Line Configuration

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Generation ●

Lines

345 kV —

230 kV —

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TOT3 Expansion Planning Studies – What we have learned

- 345 kV is preferred voltage
- Integrated scenarios deliver approximately 600 MW across TOT3
- Radial scenarios (with 50% series comp) deliver approximately 900 MW south of TOT3
- Termination at Pawnee or RMEC results in similar capacity for TOT3 Expansion project

- Conduct light load power flow studies in Wyoming
 - Conduct stability studies
 - Conduct reactive margin studies
 - Document results
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- WECC Regional Planning Process has been initiated:
 - Contact Bill Pascoe at pascoeenergy@aol.com to participate in the project review group