



NM Subgroup

NM Subgroup Update

Aug, 2008

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PNM Transmission Planning and Contracts

SWAT Oversight Committee Meeting
August 18, 2009 – Denver, CO





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May Study Proposal

- NM collector system that is integrated with major projects.
- Develop system where little transmission currently exists.
- Attempt to minimize project ties to connect to transmission.



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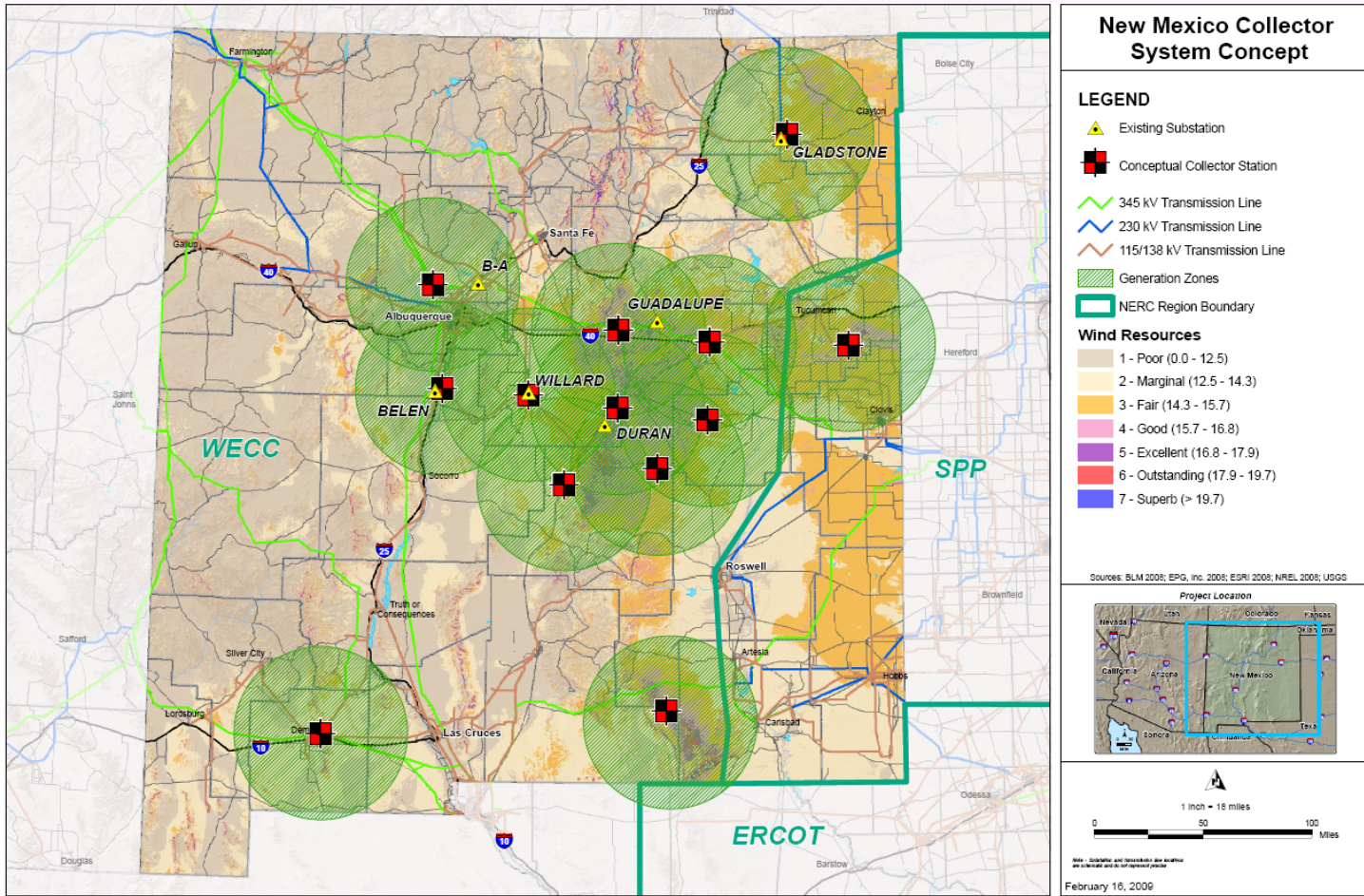
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August Conference Call

- **Discuss Development of Study Scope**
- **Potential Steps:**
 - **Step 1: Identify renewable resource zones within the state of New Mexico with collector sub-areas with a radius of 30-40 miles.**
 - **Step 2: Identify MW capacity of renewable resources based on various sources and existing interconnection queues.**
 - **Step 3: Connect resources to the system through a single new collector substation in each collector sub-area.**
 - **Step 4: Connect collector substation together using Sun Zia, High Plains Express and/or other new transmission lines.**
 - **Step 5: Perform technical analysis to better define capacity and conceptual design.**



Collector System Concept





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Discussion Points

- **Where to locate**
 - Based on queue requests
 - NREL and WGA information
 - Developer information
 - State REZ, NM RETA information
 - Consideration of know sensitive areas
- **What size**
 - Percentage of potential
 - Estimate need based on WECC PSA, Multi-State L&R, Impact of State RPS's including Protections
- **Other (Previous 07/08 subgroup study, base cases, seams)**





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Next Steps

- Review follow-up information distributed by subgroup participants.
- Meeting to layout potential system (likely ABQ in fall).
 - Define location of stations based on overlay of information.
- Define Size. How much can be developed?
- Develop Base Cases (10 and 20 year (2030) base case suggested).
- Impact of parallel processes: SM44, WestConnect LGIP, HPX Phase II, Sunzia
- Other possible scope considerations – define line segments, operation voltage, phasing, seam locations.
- Study Participation





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Questions/Suggestions



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