

Thursday, December 20, 2007

Colorado Long-Range Transmission Planning Group
2008 Long-Range Study Kickoff and Stakeholder Information Meeting

Attendees:

Ahlstad, Ed	Easton, Bob	Osborn, Scott
Ausmus, Spike	Graham, Mark	Pasco, Bill
Berger, Chris	Green, Thomas	Ray, Rocky
Blackman, John	Griffiths, Jared	Sandvig, Nate
Collins, John	Gustad, David	Simons, Eric
Conrad, Brian	Herra, Jason	Sisk, Chuck
Covert, John	John, Eric	Stark, Larry
Cox, Craig	Kram, Megan	Stellern, Gerry
Crane, Troy	Lehr, Ron	Taylor, Joe
Dawson, Peter	Leoni, Andy	Vossler, Brent
Deaz, Tanuj	Nguyen, Thien	Wendling, Warren
Dominguez, Inez	Osborn, Dale	Wolfson, Morey

Not present, but expressed interest:

Brown, Stephen	Fred Hefley	Edward Maddox
Joe Liberatore	Shane Carlson	Dan Walter
Gutierrez, Shane	Gary Romero	

Combined email list:

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w.l.wendling@att.net; morey.wolfson@state.co.us; dwalter@tristategt.org

Welcome (J. Bladow)

CCPG Chairman (T. Green)

This is the third CLRTPG Long Range study effort

Some major facility additions have been identified in this process

This study will address current utility Load and Resource plans, which include utility RPS facilities.

CLRTPG Study Outline (M. Graham)

Reviewed CCPG and WestConnect "footprints".

Study Objectives: Backbone system development for Utility Plans, plus local impacts

Study Principles: Open process, efficient corridor use, joint plan, no resource study

Need input to define locations for new resources including renewables

Study will address Bulk System Development only

Outside study scope: Resource expansion, Path Rating, extended-timeframe studies
SB07-91 Renewable Energy Resource Mapping (M. Wolfson)

mapped the renewable resources throughout the State of Colorado
utility scale wind and solar opportunities

Generation Development Area (GDA)

Interwest Energy Alliance reports 1,067 MW installed Colorado wind capacity
775MW of this installed in 2007

Report has proposed transmission plans [will use to develop CCPG transmission plans] and
estimated cost/capacity of transmission at 230/345/500 kV

Potential: 96 GW of wind in 8 GDAs, 26 GW CSP in 2 GDAs

the report is to be posted by December 28 on the Governor's Energy Office website:

www.colorado.gov/energy. Graphics in the presentation, from the report, were superb.

Colorado Clean Energy Development Authority (M. Wolfson)

Searching for Executive Director

CEDA will join HPX development effort

Will work on transmission finance bonding

Discussion of whether to start with 5-year or 10-year case

Sisk- start with horizon year

2013 case is available now, 2018 case to be ready February 2008

We have all the input to the 2018 case now, except tested dynamic models

Dominguez- start with 2018 case – more forward looking, 10-year plan may be too near-
sighted for development of the best state and regional transmission plan, so look at a 20-year
case

Discussion of Resource Plan Requirements

Lehr- Stand up and really make a difference, “historic opportunity”, “unusual alliance”,
mentioned Pacificorp 10-year moratorium on new coal, RMATS work, look at regional
opportunities, suggested looking at 30% wind scenario

Taylor- PSCo goal = 30%, but don't impose on others [note: others may need to develop
balancing resources], other states may not be able to absorb/integrate that much wind energy

Lehr suggested one aggressive scenario including regional interconnections

Collins- after CLRTPG, TEPPC could study aggressive wind economics

Wendling- How much can you push the system? Where will the 800 MW wind be located?

[see action items] mentioned 37 GW wind capability in SE Colorado

Baca County Commissioner- be sure to consider transmission requirements to connect the
most renewable-energy intensive areas such as ours

?who?- Include a High Solar scenario

Wolfson suggested a collective resource study, perhaps through a consultant. Could be
financed by CCPG members and OEC. [In later discussion, Graham, Wolfson and other
stakeholders agreed to explore this possibility further. We'll try to bring this up at the next
stakeholder meeting]

Pascoe- narrow alternatives to reasonable set of resource locations

Other discussion

Dale Osborn- great “political” opportunity, 20GW=100M\$ economic value, Colorado
renewables similar to Texas oil/&gas, work together to make Colorado the renewable energy
center of the west.

Graham would like to work with Wolfson on graphics for the study report.

Megan Kram - suggested input on new transmission routes from the Nature Conservancy and
others. Graham recalled HPX considered this aspect of siting and CLRTPG would want to do
the same.

Action Plan

1. Those present agreed to begin the study with year 2018
2. CCPG Resource Team: Taylor, Wolfson, Lehr, and Pascoe agreed to work together to specify locations for the 5 and 10-year L&Rs now under review.
3. Taylor will summarize L&R and coordinate development of 2 or 3 resource location scenarios.
4. To do this, LSE load and resource plans (L&R) are needed immediately
5. Next meeting: January 8, 2008 teleconference (could Web-conference if any documents to share real-time – contact Graham)
 - Teleconference meeting schedule:
 - 1:00-2:30 Finalize Base Case, study effort work distribution
 - 2:30-4:00 Resource location and magnitude, 5/10-year (and 20-year) timeframes
6. Tentatively scheduling bi-weekly study progress meetings
7. Not discussed in the meeting:
 - a. Graham/Leoni to distribute draft study plan and report outline
 - b. Please provide comments and suggestions for diagrams/graphics
 - c. Tri-State will recommend base case process ASAP