



DeMoss Petrie (DMP) to Tucson 138-kV Transmission Line Siting Study

April 15, 2009

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Project Overview

- TEP is proposing to construct a 138-kV transmission line from the DMP Substation, located east of Interstate 10 (I-10) and north of Grant Road, to the Tucson Substation, located east of 11th Avenue between 4th Street and the Union Pacific Railroad
- Planning process: environmental studies and public outreach will be conducted to assist in identification and comparison of alternative transmission line routes and environmental impacts
- Project requires review by the Arizona Corporation Commission's (ACC) Power Plant and Transmission Line Siting Committee, resulting in a recommendation to and a final determination by the ACC prior to construction
- Anticipated in-service date: mid-2010

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Purpose and Need

- Provide 138-kV transmission capability between the DMP and Tucson substations
- Improve system reliability for customers in the western portion of the Tucson area
- Existing transmission lines could not serve this purpose and need

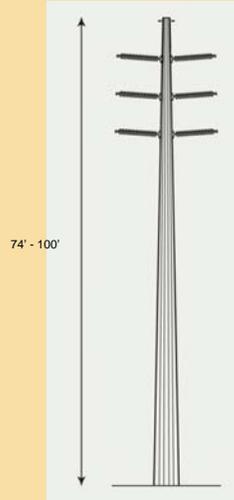
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Project Description

- A 138-kV transmission line from the DMP Substation, located east of Interstate 10 (I-10) and north of Grant Road, to the Tucson Substation, located east of 11th Avenue between 4th Street and the Union Pacific Railroad
- Depending upon its final route, the project could be several miles in length
- Potential to use existing 46-kV line rights-of-way
- In accordance with TEP's design standards, the transmission line structures would be built to accommodate a second circuit (138- or 46-kV)
- A 100-foot-wide right-of-way required when not in road right-of-way
- Upgrades to existing substations will not require additional property

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Proposed Structure Type

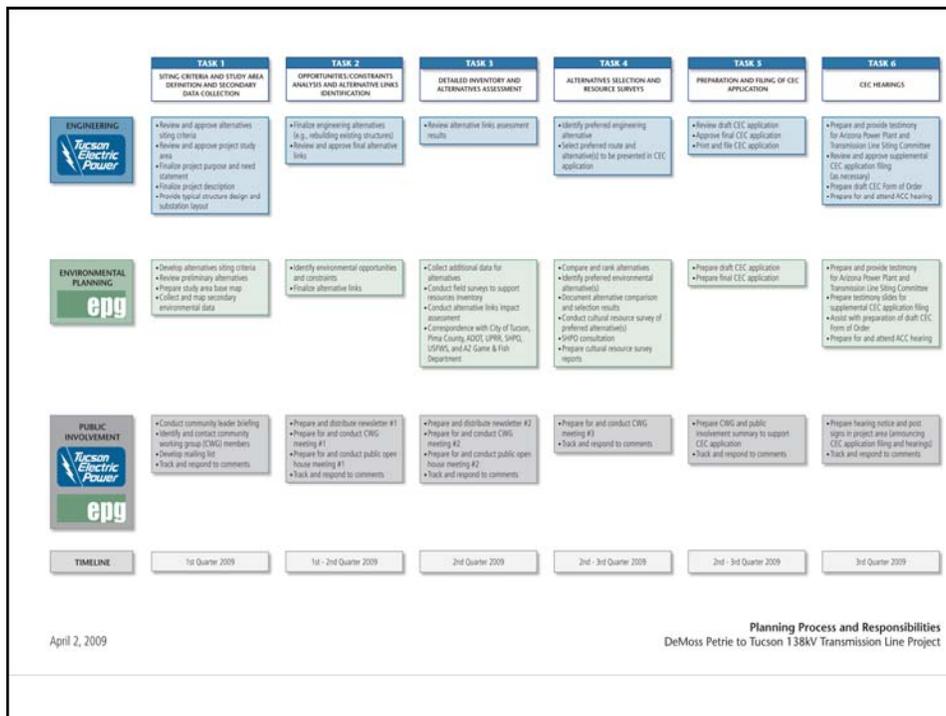


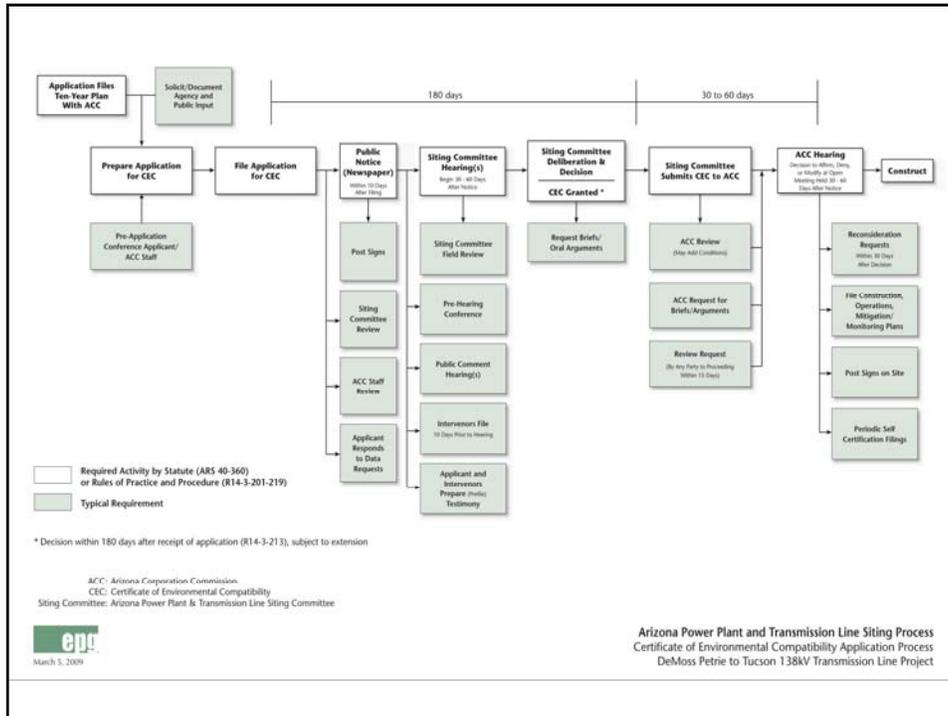
Planning Process

Planning Process	STAGE 1 Define Siting Criteria, Define Study Area, and Collect Secondary Data	STAGE 2 Opportunities / Constraints Analysis and Alternatives Identification	STAGE 3 Detailed Inventory and Alternatives Assessment
Public Participation Activities	<ul style="list-style-type: none"> •Community Leader and elected official briefings •Identify and contact Community Working Group (CWG) •Develop Mailing List 	<ul style="list-style-type: none"> •Newsletter # 1 •CWG meeting #1 •Public open house #1 •Track and respond to comments 	<ul style="list-style-type: none"> •Newsletter # 2 •CWG meeting # 2 •Public open house # 2 •Track and respond to comments
Timeline	1 st qtr 2009	1 st – 2 nd qtr 2009	2 nd qtr 2009

Typical Process For Line Siting in AZ

STAGE 4 Alternatives Selection and Resource Surveys	STAGE 5 Preparation and Filing of Certificate of Environmental Compatibility (CEC) Application with ACC	STAGE 6 CEC Hearings
<ul style="list-style-type: none"> •CWG # 3 •Track and respond to comments 	<ul style="list-style-type: none"> •Prepare CWG and public involvement summary to support CEC filing •Track and respond to comments 	<ul style="list-style-type: none"> •Public hearings before the Arizona Power Plant and Transmission Line Siting Committee and ACC
2 nd – 3 rd qtr. 2009	2 nd – 3 rd qtr. 2009	3 rd qtr. 2009





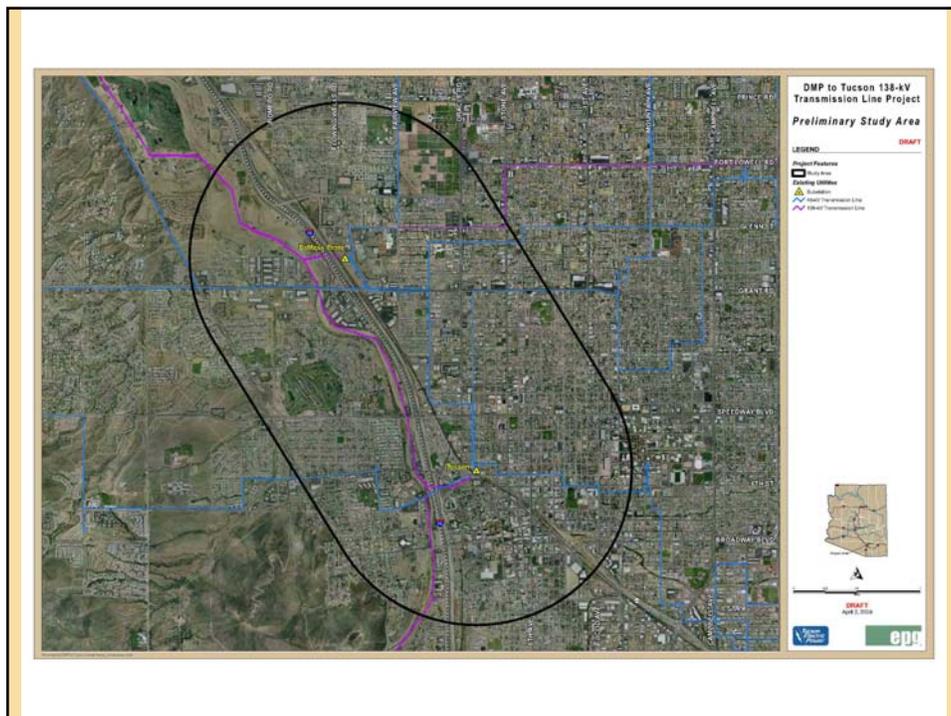
Environmental Studies Overview

- Environmental resources
 - Land use (existing/future land use and jurisdictional planning guidelines)
 - Visual (scenic quality, sensitive viewers, and scenic management guidelines)
 - Cultural (national register sites and districts, archaeological sites, as well as other eligible sites)
 - Biology (wildlife, vegetation, rare species, and sensitive habitat)

Resource Maps

- Aerial
- Existing land use
- Future land use

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Agency and Public Participation Activities

- Public open houses
- Community working group
- Telephone information line (866) 541-7349
- TEP website (www.tep.com)
- Arizona siting committee website (contains a link to FAQs):
www.cc.state.az.us/AZ_Power_Plant
- Project newsletters mailed to community, including residents, landowners, and other interested parties
- Media briefings (TEP)

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Community Working Group

- Represent agencies, neighborhoods, and community members
- Attend and actively participate in three community working group meetings at key points in the planning process
- Identify key issues throughout the planning process
- Communicate project information to constituents
- Review and comment on study results at key points

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Agency and Public Participation Activities Schedule

- Public open house meetings
 - April 2, 2009 and Summer 2009
- Community working group meetings
 - March 5, 2009 - Summer 2009

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TEP Decision Elements

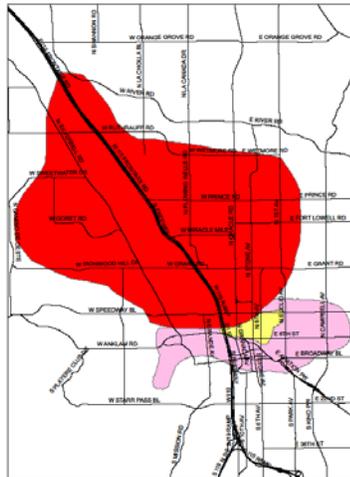
- Environmental
- Public input
- Permits
- Engineering
- Ability to obtain right-of-way
- Cost

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Next Steps

- Alternative link identification
- Community working group meeting #2
- Public open house meeting #2

Tucson and DMP Coverage



Questions?