

# Great Basin Energy Project

**Project Update Presented to WestConnect Sierra Sub Region  
Planning Group**

**Sacramento, CA meeting**

**July 1 2011**



## Activities since SSPG October 13 2010 Presentation (available on website)

- Various planning group activities and filings (details follow)
- Executed a MOU with WAPA under Federal Transmission Infrastructure Program
- Facilitated interaction between PG&E and Nevada geothermal producers
- Pre-permitting work on route alternatives
- Active dialog with interconnecting utilities particularly the Western Terminus



# Transmission Planning Activities

- WECC TEPPC: Now a member (GBHVDC); project posted on information portal; will be on Potential Project List
- CTPG: NW Nevada Corridor being examined in 2011 cycle; specific work on GBHVDC being performed by SSPG members
- CAISO: Informational filings about the project during policy and reliability submission windows
- Western Terminus: Request to form a working group of affected parties to examine a holistic approach for the CAISO BAA portion of the output (many benefits may be aligned)



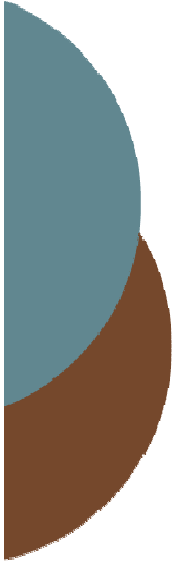
# Direct Utility Activities

## **Public Power**

- WAPA: delivered PSLF model; advice on NEPA process; planning for assignment of Project Manager
- BANC (TANC, SMUD): Informational updates and exchange of desired COD schedule
- Anticipate that about 1/3 of capacity is in BANC BAA

## **CAISO/PTO's/IOU's**

- Working dialog with PG&E power procurement on advantages of baseload geothermal and desired timing of project
- Appreciation of significant system benefits of Western Terminus integrating into PG&E 500 kV system upgrades
- Anticipate about 2/3 of output in CAISO BAA
- NV Energy dialog is active with mutual information exchange on development issues



# Project Permitting Update

- Working on further route refinement in 3Q2011 on both the Northern and Southern Routes
- Contractor engaged for preparation of Federal Land Manager Form S-299 (late 4Q2011 submittal target)
- Developing a detailed NEPA / EIS plan for deployment upon commitment to the project by CAISO and Public Power



# GBHVDC Western Terminus

- Initial plan was 230 kV connection to WAPA with dynamic schedule to CAISO
- CAISO requested direct connection in 1Q2011 which led to a second 500kV connection
- Desire in the O'Banion area by thermal generator and utilities for an autotransformer interconnection between 230/500 kV
- Desire by PG&E for ultimate new 500kV path to Collinsville for better delivery to north Bay area
- As always, VSC HVDC has significant dynamic benefits which are difficult to economically quantify

GBED requests formation of a BANC/CAISO working group to optimize this connection during 2011/2012



## Contact Details

The Great Basin team would be happy to respond to questions or comments. Our contact details are below:

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