

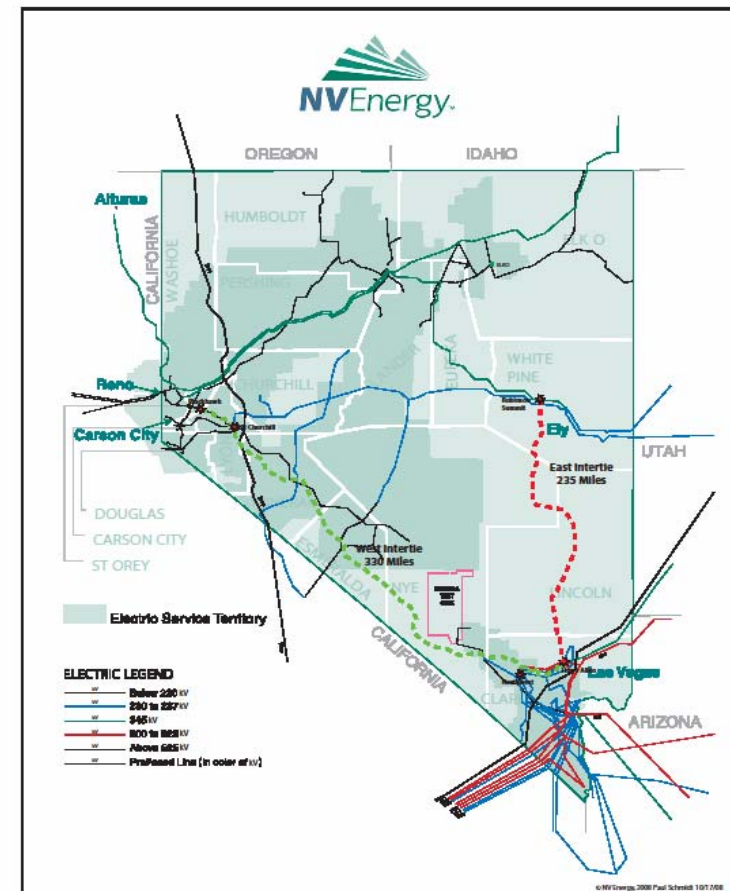


# Eastern Nevada Transmission Intertie “ENti Project”

SSPG Meeting  
November 4, 2008

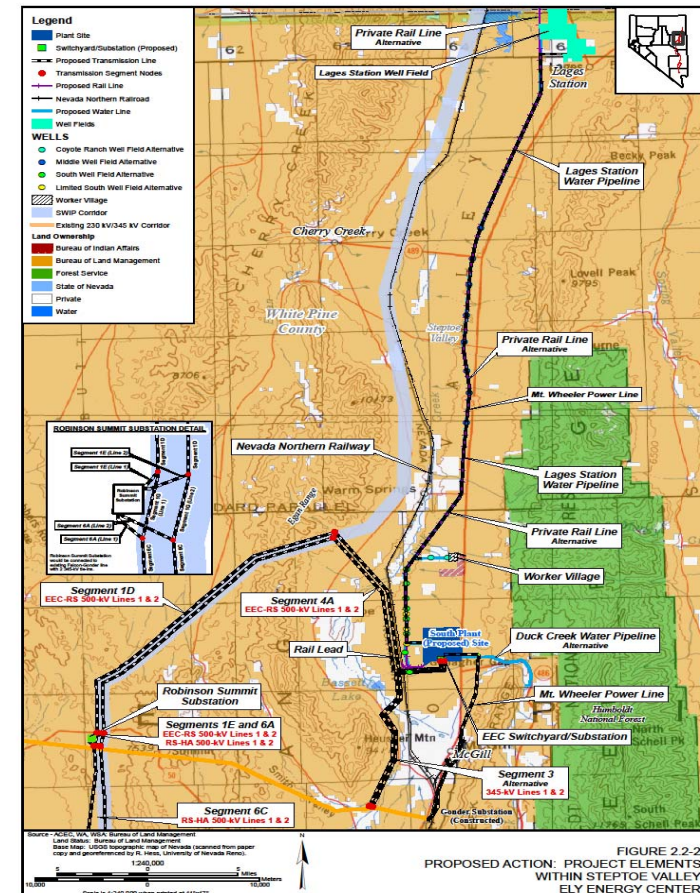
# Purpose and Need

- PUCN authorized permitting and development costs in December 2006
- Supports development of NV Energy's proposed 1,500 MW Ely Energy Center (EEC) Project
- Supports development of renewable energy projects in Nevada
- Interconnects NV Energy's two Control Areas
  - Nevada Power Company
  - Sierra Pacific Power Company



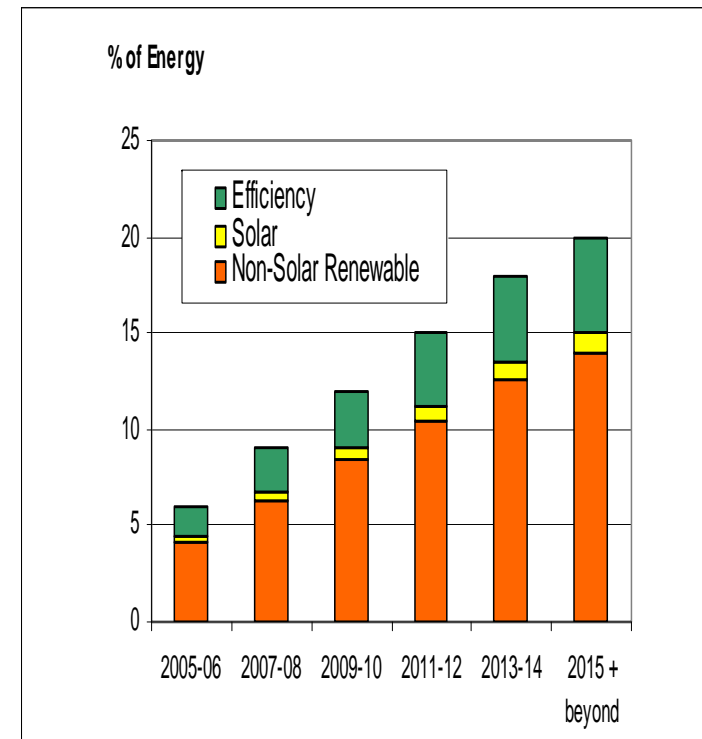
# Ely Energy Center

- Two 750 MW Super-critical pulverized coal units
- Preferred location 20 miles north of Ely, Nevada
- “Cleanest coal plant in the West”
- Hybrid cooling
- 100 mile rail link to UPRR
- Two 34 mile 500kV lines to Robinson Summit Substation
- Unit 1 - June 2015
- Unit 2 - June 2016



# Renewable Energy Development

- Nevada State Public Utility Commission
  - **20% energy** must come from renewable resources by 2015 (>1,000 MW)
- Geothermal and wind are primarily in northern and eastern Nevada
- Need transmission to bring renewable resources to southern Nevada market



# ENti Project Scope

- SWIP Corridor
- 303 miles 500kV line
  - Two plant leads 34 miles
  - Robinson Summit to Harry Allen 235 miles
- Triple bundle 1,590 Lapwing
- OPGW
- Project-wide microwave and mobile radio network
- 2,000 MW rating



- Interconnect to Sierra Pacific's 345kV system at the proposed Robinson Summit Substation
- Interconnect to Nevada Power at the existing Harry Allen Substation

## ENti Schedule

- Bureau of Land Management EIS Process
  - Draft EIS available November 2008
  - Record of Decision authorized December 2009
  - Notice to Proceed authorized late 2010
- Construction start January 2011
- Robinson Summit to Harry Allen In-service December 2012
- Robinson Summit to EEC lines In-service 2013 - 2016

## ENti Status

- WECC Phase 2 in progress
- EMTP/SSR studies complete
- Permitting in progress (see Slide 6)
- Detailed design in progress
- Production slots reserved for large equipment
- Preparing bid documents
  - Long-lead material
  - Construction services

# ENti Project

Questions?