

## **Greening the Grid - SCE's Tehachapi-Vincent Transmission Project - A.04-12-008**

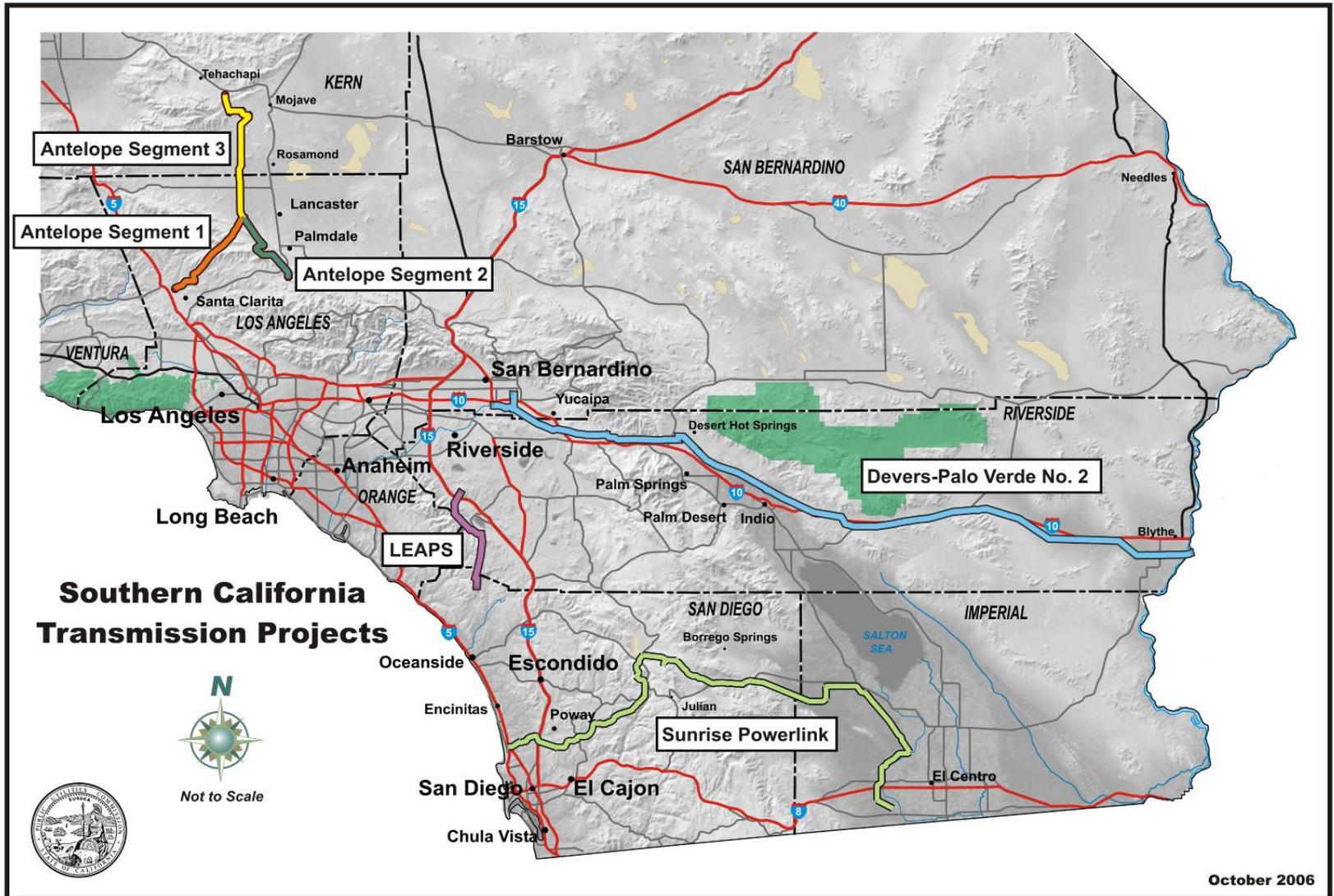
**In the Matter of the Application of  
Southern California Edison Company  
(U 338-E) for a Certificate of Public  
Convenience and Necessity  
Concerning the Antelope-Vincent  
500kV (Segment 2) and Antelope-  
Tehachapi 500kV and 220kV  
(Segment 3) Transmission Projects  
as Required by Decision 04-06-010  
and as Modified by Subsequent  
Assigned Commissioner Ruling.**

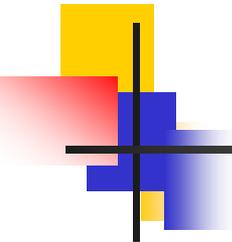
**Dian M. Grueneich  
Assigned Commissioner**

**March 15, 2007**



# Tehachapi-Vincent - Segments 2 & 3 of SCE's Tehachapi Renewable Transmission Project (TRTP)

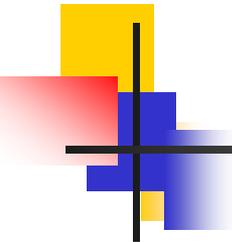




# SCE's Tehachapi-Vincent Transmission Project (A.04-12-008) – Greening the Grid

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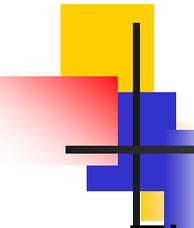
- Tehachapi-Vincent is the last of three large transmission projects that the Commission will vote on this quarter.
  - DPV2 was approved by the Commission on January 25, 2007.
  - Antelope-Pardee was approved two weeks ago, on March 1.
- Your support today of the Tehachapi-Vincent Transmission Project will authorize our next critical step in California's efforts to construct transmission to reach remote, high-potential, renewable resource areas.



# SCE's Tehachapi-Vincent Transmission Project (A.04-12-008) – Greening the Grid

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- The Decision authorizes SCE to build Segments 2 and 3 of the Tehachapi Renewable Transmission Project (TRTP) to facilitate the delivery of wind resources from the wind-rich Tehachapi area to California electric customers.
- Our finding of need in this decision builds upon a series of earlier determinations made by this Commission regarding the need to construct transmission lines to the Tehachapi region to facilitate RPS goals.
- Tehachapi-Vincent includes a total of 56.8 miles of new 500/220 kV lines and two new substations
  - Segment 2 will be a 21.7 mile line connecting the existing Antelope and Vincent Substations in Los Angeles County. Most will be 500 kV energized initially at 220 kV.
  - Segment 3A will be a 25.6 mile 500 kV line (initially energized at 220 kV) connecting the existing Antelope Substation to a new Substation One in Kern County.
  - Segment 3B will be a 9.6 mile 220 kV line connecting new Substation One to a new Substation Two, also in Kern County.



# SCE's Tehachapi-Vincent Transmission Project (A.04-12-008)

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- The Decision sets a cost cap of \$63 million for Segment 2 and \$102.1 million for Segment 3.
- Segments 2 & 3 are projected to be in-service early 2010 and will enable delivery of approximately 750 MWs of new generation from Tehachapi when fully energized.
- The Decision finds that the line is necessary to meet RPS goals and that it is eligible for backstop retail rate recovery if SCE is unable to recover the costs of the line through wholesale transmission rates.
  - Under the current TRTP configuration, only a small portion of Segment 3 does not qualify as “network” for FERC rate recovery. Under our Backstop Decision, retail ratepayers would only be liable for those costs if generators fail to materialize and pay for that portion of the line.