Appendix D

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NOTICE OF APPLICATION FOR PERMIT TO CONSTRUCT

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EL CASCO SYSTEM PROJECT
Reference: CPUC Application No.
Date: February 16, 2007

Proposed Project: Southern California Edison Company's (SCE) existing Vista and Devers Systems currently serve northwest Riverside County's electrical needs. SCE studies of historical data and evaluations of residential, commercial, and industrial development projects that have already been approved by local governments indicate that the existing Vista and Devers Systems will be unable to reliably serve customer electric needs in this area during periods of high demand as early as summer 2007. In order to provide reliable electric service during periods of high electric demand, SCE is proposing to construct the El Casco System Project.

The proposed El Casco System Project includes the following components:

- Construction of the new 220/115/12 kilovolt (kV) substation ("El Casco Substation") on an approximately 28 acre site within the Norton Younglove Reserve in the County of Riverside, including associated 220 kV and 115 kV line interconnections and new 12 kV line getaways.
- Replacement of approximately 13 miles of existing single-circuit 115 kV subtransmission lines with new, higher capacity double-circuit 115 kV subtransmission lines and replacement of support structures within existing SCE rights-of-way in the Cities of Banning and Beaumont and unincorporated areas of Riverside County.
- Replacement of approximately 1.9 miles of existing single-circuit 115 kV subtransmission lines with new, higher capacity single-circuit 115 kV subtransmission lines and replacement of support structures within existing SCE rights-of-way in the City of Beaumont and unincorporated areas of Riverside County.
- Replacement of approximately 0.5 miles of existing single-circuit 115 kV subtransmission lines with new, higher capacity single-circuit 115 kV subtransmission lines on existing support structures within existing SCE rights-of-way in the City of Beaumont and unincorporated areas of Riverside County.
- Rebuilding of 115 kV switchracks within SCE's existing Banning and Zanja Substations in the Cities of Banning and Yucaipa, respectively.
- Installation of microwave telecommunications equipment at the proposed El Casco Substation and at SCE's existing Mill Creek Communications Site on SCE-owned property within the San Bernardino National Forest.
- Installation of fiber optic cables on or through existing overhead and underground structures and conduits within public streets between the Cities of Redlands and Banning.

These components are further described below:

El Casco 220/115/12 kV Substation: The El Casco Substation would be constructed on approximately 28 acres within the Norton Younglove Reserve adjacent to San Timoteo Canyon Road and approximately five miles east of Live Oak Canyon Road. The approximately 28-acre proposed substation site would consist of approximately 14 acres within the substation perimeter fence. The remaining 14 acres outside the perimeter fence would be disturbed during construction and subsequently restored. Five 12 kV distribution line getaways would be constructed underground from the substation in a northeasterly direction, crossing beneath San Timoteo Creek and the Union Pacific Railroad tracks, to San Timoteo Canyon Road to deliver power to local residents and businesses.

The substation would incorporate low-profile design features, which limit the height of electrical equipment and structures. The substation would be equipped with one 49-foot tall 220 kV switchrack, two 27-foot tall 280 MVA 220/115 kV transformers, one 115 kV switchrack with high and low dead-end structures with elevations of 39 feet and 29 feet, respectively, two 15-foot tall 28 MVA 115/12 kV transformers, one 14-foot tall 45 MVAR 115 kV capacitor bank, one 15-foot tall 12 kV switchrack, and two 14-foot tall 4.8 MVAR 12 kV capacitor banks. The 220 kV and 115 kV switchracks would be designed with a breaker-and-a-half configuration. The 12 kV switchrack would be designed with an operating and transfer bus configuration, and would have provisions for a second operating bus. Two mechanical and electrical equipment rooms (MEERs) would contain control and relay panels, battery chargers, communication equipment, and local alarms. The larger MEER would be approximately 55 feet wide, 65 feet long and 12 feet tall. The smaller MEER would be approximately 15 feet wide, 20 feet long and 10 feet tall.

Devers-San Bernardino No. 2 220 kV Transmission Line Loop-in: The existing Devers-San Bernardino No. 2 220 kV transmission line is adjacent to the proposed El Casco Substation site and would serve as the source of electricity to the substation. Two new 220 kV line segments of approximately 500 feet each would be constructed to connect the transmission line to the substation. The proposed 220 kV line segments would be supported by three, four-legged double circuit Lattice Steel Towers (LST), each 100 to 130 feet tall, and would be strung with single-conductor 1033 kcmil aluminum conductor steel reinforced (ACSR) with nonspecular finish.

Maraschino-San Bernardino-Vista 115 kV Subtransmission Line Loop-in: To interconnect the El Casco Substation to the existing Maraschino-San Bernardino-Vista 115 kV subtransmission line, SCE proposes to construct approximately 900 feet of new double-circuit 115 kV line on twelve tubular steel poles, each 75 to 85 feet tall. The proposed 115 kV lines would each be strung with single-conductor 954 kcmil stranded aluminum conductor (SAC).

El Casco-Maraschino and Banning-Maraschino 115 kV Lines (Rebuild) and Banning-El Casco 115 kV Line (New): SCE proposes to replace approximately 13 miles of an existing single-circuit 115 kV subtransmission line with a double-circuit 115 kV subtransmission line between SCE's existing Banning Substation and the proposed El Casco Substation. The existing single-circuit wood H-frame and single-pole structures would be removed and replaced with new double-circuit steel poles. These new poles would be up to 20-35 feet taller than the existing H-frame structures but would require less ground space. The new poles and lines would remain within existing SCE rights-of-way (ROW).

The line routes are described as follows:

1. The Banning-Maraschino and Banning-El Casco subtransmission lines start at SCE's existing Banning Substation, located in the City of Banning east of the intersection of Lincoln St. and San Gorgonio Ave., and proceed south for approximately 0.7 miles within existing ROW to Wesley St.
2. These lines then proceed west on Wesley St. for approximately 0.2 miles to San Gorgonio Ave. then continue west for approximately 4.5 miles and northwest for approximately 1.0 mile to the intersection of Westward Ave. and Bolo Ct. At this point, the Banning-Maraschino and Banning-El Casco lines split.
3. From the intersection of Westward Ave. and Bolo C.t, the Banning-El Casco line continues northwest for approximately 0.7 miles to the western terminus of Fourth St., while the Banning-Maraschino line proceeds east on Westward Ave. for approximately 0.2 miles to Vielle St., and then proceeds north on Vielle St. for approximately 0.5 miles, where it then connects to SCE's existing Maraschino Substation located in the City of Beaumont at the southeast corner of Vielle St. and Fourth St.
4. The El Casco-Maraschino line subtransmission line starts at Maraschino Substation, proceeds west on Fourth St. for approximately 1.0 mile to the western terminus of Fourth St. where it joins the Banning-El Casco line, as described previously.
5. From this point, the El Casco-Maraschino and Banning-El Casco lines proceed northwest for approximately 5.0 miles until they connect to the proposed El Casco Substation.

Banning Substation: As part of the El Casco System Project, SCE's existing Banning Substation would be transferred to the newly created El Casco 115 kV System. To effectuate this transfer, the existing 115 kV switchrack would be replaced with a new 27-foot tall 115 kV switchrack designed for eight bays. In order to install the new switchrack at the substation, three existing 115/33 kV transformers would need to be relocated and one 33 kV capacitor bank would need to be replaced, all within the existing substation fence. Two new low-profile transformer racks, approximately 27 feet high, would be constructed for the relocated transformers. An additional MEER, approximately 15 feet wide by 20 feet long by 12 feet high, would be installed at the substation inside the perimeter fence to house protective relaying, telecommunications, and automation equipment, including a human-machine interface (HMI) cabinet. No modifications to the existing substation maintenance lighting, access, paving, restroom facilities, perimeter security, or landscaping would be necessary at this substation.

Zanja Substation: As part of the El Casco System Project, SCE's existing Zanja Substation would also be transferred to the newly created El Casco 115 kV System. To effectuate this transfer, the existing 115 kV switchrack would be replaced with a new switchrack, configured as a four-element 115 kV ring bus to implement necessary protection and switching for operation. The switchrack would be built within the existing fenced-in substation area and would not disturb SCE property to the east of the substation. Existing poles, disconnects, and some other equipment, previously installed for interconnection of a mobile transformer unit, would be removed. The new 115 kV switchrack would be a box steel structure approximately 72 feet wide by 72 feet long by 42 feet high. This structure would support bus work and would initially include three circuit breakers and eight gang-operated disconnect switches. An additional MEER, approximately 15 feet wide by 20 feet long by 12 feet high, would be installed at the substation inside the perimeter fence to house protective relaying, telecommunications, and automation equipment, including a HMI cabinet. No modifications to the existing substation maintenance lighting, access, paving, restroom facilities, perimeter security, or landscaping would be necessary at this substation.

Telecommunications System: The proposed El Casco System Project would require two communication paths using physically separate routes. One communication path would utilize microwave technology and the second communication path would use fiber optic cable. The microwave communication path would require construction of two microwave towers: one at the proposed El Casco Substation and one at the existing Mill Creek Communication Site on SCE-owned property within the San Bernardino National Forest. Approximately 55 miles of fiber optic cables would be installed within existing rights-of-way for the fiber optic path.

Construction Schedule: The proposed El Casco System Project is planned to be constructed in two phases (Phase 1 and Phase 2) from approximately June 2008 to June 2010, and would be operational in two phases. The first phase would be operational by June 2009 and includes the following elements:

- Construct the 115/12 kV portion of the new El Casco Substation, including microwave telecommunications equipment.
- Construct approximately 900 feet of new double-circuit 115 kV line to interconnect the El Casco Substation to an existing 115 kV subtransmission line.
- Install microwave telecommunications equipment at the Mill Creek Communications Site.

The second phase would be operational by June 2010 and includes the following elements:

- Construct the 220/115 kV portion of the El Casco Substation.
- Replace approximately 13 miles of existing single-circuit 115 kV subtransmission lines with new, higher capacity double-circuit 115 kV subtransmission lines and replace support structures.
- Replace approximately 1.9 miles of existing single-circuit 115 kV subtransmission lines with new, higher capacity single-circuit 115 kV subtransmission lines and replace support structures.
- Replace approximately 0.5 miles of existing single-circuit 115 kV subtransmission lines with new, higher capacity single-circuit 115 kV subtransmission lines on existing support structures.
- Rebuild 115 kV switchracks within Banning and Zanja Substations.
- Loop in fiber optic cables to El Casco Substation.
- Install new fiber optic cables within public streets and on and within existing SCE structures between the Cities of Redlands and Banning.

Environmental Assessment: SCE has prepared a Proponent's Environmental Assessment (PEA) which includes analysis of potential environmental impacts that could be created by the construction and operation of the Proposed Project. The PEA concludes that all potential environmental impacts associated with the Proposed Project would be mitigated to less than significant levels through the implementation of mitigation measures with the exception of air quality. The Proposed Project would create a potentially significant and unavoidable air quality impact because PM_{10} emissions generated during grading and construction at the substation site would exceed the SCAQMD threshold of significance for PM_{10} emissions. Feasible mitigation measures are proposed to reduce this potential impact to the greatest extent possible. The impact to air quality would be short-term and temporary.

EMF Compliance: The California Public Utilities Commission (CPUC) requires utilities to employ "no cost" and "low cost" measures to reduce public exposure to electric and magnetic fields (EMF). In accordance with SCE's "EMF Design Guidelines for New Electrical Facilities: Transmission Substation and Distribution", filed with the CPUC in compliance with CPUC Decision 93-11-013, SCE would implement the following measure(s) for this project:

1. Use taller poles.
2. Use a double-circuit pole-head configuration for the double circuit design and "triangular" type pole-head configuration for the single circuit design.
3. Optimally phase the proposed 115 kV subtransmission line with respect to the existing 115 kV subtransmission lines.
4. Place major substation electric equipment (such as transformers, capacitor banks, switchracks, etc.) away from the substation property lines.
5. Optimally phase the proposed 220 kV transmission lines into the proposed substation.

Public Review Process: SCE has applied to the CPUC for a Permit to Construct (PTC) for this project. Pursuant to the CPUC Rules of Practice and Procedure, any affected party may, within 30 days of the date on this notice, i.e. no later than **March 19, 2007,** protest and request that the CPUC hold hearings on the application. If the CPUC as a result of its investigation determines that public hearings should be held, notice shall be sent to each person or entity who is entitled to notice or who has requested a hearing.

All protests must be mailed to the CPUC and SCE concurrently and should include the following:

1. Your name, mailing address and day-time telephone number.
2. Reference to the CPUC Application Number and Project Name identified above.
3. A clear and concise description of the reason for the protest.

Protests for this Application must be mailed WITHIN 30 CALENDAR DAYS to:

California Public Utilities Commission
Docket Office, Room 2001
505 Van Ness Avenue
San Francisco, CA 94102

AND

Southern California Edison Co.
Law Dept. - Exception Mail
2244 Walnut Grove Avenue
Rosemead, CA 91770
Attention: Ms. Y. Jones

AND

California Public Utilities Commission
Director, Energy Division
505 Van Ness Avenue, 4th Floor
San Francisco, CA 94102

For assistance in filing a protest, please call the CPUC Public Advisor in San Francisco at (415) 703-2074, or in Los Angeles at (213) 576-7057.

To review a copy of SCE's Application, or to request further information, please contact:

Lin Juniper
(760) 202-4231
SCE Palm Springs Service Center
36100 Cathedral Canyon Drive
Cathedral City, CA 92234

Beverly Powell
(909) 307-6742
SCE Redlands Service Center
287 Tennessee Street
Redlands, CA 92373

LIST OF NEWSPAPER(S)
PUBLISHING THE NOTICE OF APPLICATION FOR PERMIT TO CONSTRUCT

Record Gazette
P.O. Box 727
218 N. Murray Street
Banning, CA 92220

News-Mirror
35154 Yucaipa Boulevard
Yucaipa, CA 92399

Riverside Press Enterprise
P.O. Box 792
Riverside, CA 92502