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Arizona Corporation Commission

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1200 W. Washington Street
Phoenix, Arizona 85007

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Re: Southern California Edison Company

Pursuant to A.R.S. §40-360.02, Southern California Edison Company (“SEC”) submits its 2004-2013 Ten Year Plan. The attached Plan describes planned transmission facilities of 115 kV or higher voltage that SCE may construct in Arizona over the next ten-year period.

Very truly yours,

LEWIS AND ROCA LLP

Thomas H. Campbell
for Thomas H. Campbell

Thomas H. Campbell

THC/b
Enclosures

cc: Michael D. Mackness

SOUTHERN CALIFORNIA EDISON COMPANY

2004-2013

TEN-YEAR PLAN

**Prepared for the
Arizona Corporation Commission**

E-00000 D-03-0047

January 2004

SOUTHERN CALIFORNIA EDISON COMPANY
2004-2013
TEN-YEAR PLAN

General Information

Pursuant to A.R.S. § 40-360.02, Southern California Edison (“SCE”) submits its 2004-2013 Ten-Year Plan (“Plan”) to the Arizona Corporation Commission (“Commission”). The attached Plan (contained in Attachment A) describes planned transmission facilities of 115 kV or higher voltage that SCE may construct in Arizona over the next ten-year period.

This Plan provides tentative information that, pursuant to A.R.S. § 40-360.02(F), is subject to change at the discretion of SCE without notice based on land usage, growth pattern changes, regulatory or legal developments, or for other reasons. At this time, SCE can not be certain that it is going forward with the projects described in the Plan, as SCE is in the process of performing the technical studies and economic analyses to cost-justify and design the projects. Additionally, the projects described in the Plan are being analyzed in several stakeholder processes, including those before the California Independent System Operator’s Southwest Transmission Expansion Plan process, and the Western Electricity Coordinating Council Regional Planning Process. In addition, the Series Capacitor Upgrades Project described in Attachment A must be coordinated with six other utilities that own or have rights on the 500 kilovolt transmission lines whose series capacitors would be upgraded.

As the Commission is aware, transmission projects are complex and many issues will need to be resolved. Regulatory requirements, changes in underlying assumptions such as generation expansion, and other utilities’ plans, may substantially impact the Plan, and could result in changes to anticipated in-service dates and project scopes.

The two maps (shown as Diagrams 1 and 2) attached to this report provide a general illustration of line routing, and are general and subject to revision. Specific routing will be determined by the Arizona Power Plant and Transmission Line Siting

Committee when issuing a Certificate of Environmental Compatibility and through subsequent right-of-way acquisition.

SCE's Plan includes two tentative projects in the ten-year period. Both projects increase transfer capability. One project, currently in the planning stage, involves SCE's joint participation in upgrading series capacitors in four 500 kV lines interconnecting Arizona, Southern Nevada, and Southern California (defined as the East of the River path or Path 49), tentatively scheduled for operation in 2006. SCE will be upgrading two of the four lines, which are the Devers-Palo Verde 500 kV line and the Moenkopi-Eldorado 500 kV line. The final design of the project may not require changes to transmission lines, towers, or poles, but SCE has included the project in this filing in case that assumption is incorrect.

The other planned project will be for a second 500 kV transmission line between SCE's existing Devers Substation (near Palm Springs) to the Harquahala Generating Station switchyard (west of Phoenix, Arizona), tentatively scheduled for operation in 2008. Further project planning may result in SCE extending the proposed line 15 miles further east to terminate in the Palo Verde/Hassayampa area.

Again, finalizing SCE's commitment to proceed with these two projects will depend on the location of future power generation development, continued customer load growth at currently forecast levels, economic transmission congestion relief, coordination with other transmission owners, and regulatory actions.

Pursuant to A.R.S. § 40-360.02(C)(7), where available the submitted Plan should also include technical study results and power flow stability analyses showing the effect in the current Arizona electric transmission system for the project identified. The available studies that have been performed are available on the ISO website at <http://www1.caiso.com/docs/2002/11/04/2002110417450022131.html> and titled "redline Version of Updated STEP Report, dated 1/15/2004".¹

¹ SCE provides this website link pursuant to the suggestion of Mr. Jerry Smith of the Arizona Corporation Commission's Utilities Division Staff. SCE will make a copy of the referenced studies available to anyone who requests one.

Written descriptions of each of the proposed transmission line are provided in Attachment A.

ATTACHMENT A

**SOUTHERN CALIFORNIA EDISON COMPANY
2004-2013
TEN-YEAR PLAN**

Planned Transmission Project Descriptions

SOUTHERN CALIFORNIA EDISON COMPANY
2004-2013
TEN-YEAR PLAN
2006

Line Description Series Capacitor Upgrades Project

SCE's Participation:

Palo Verde-Devers 500 kV line

Moenkopi-Eldorado 500 kV line

Size

- a) Voltage 500 kV AC
- b) Capacity To be negotiated
- c) Point of Origin Palo Verde Switchyard and Moenkopi Substation
- d) Intermediate Point None
- e) Point of Termination Devers Substation and Eldorado Substation
- f) Length N/A

Routing

The upgraded series capacitors will replace the existing series capacitors in the SCE's 500 kV lines without a change of location.

Purpose

The upgrading of the series capacitors allows for the increase in transfer capability from Arizona and Southern Nevada to Southern California and has an economic value from an adequacy stand point.

Date

- a) Construction Start 2005
- b) Estimated In-Service 2006

SOUTHERN CALIFORNIA EDISON COMPANY
2004-2013
TEN-YEAR PLAN
2008

Line Description Devers-Palo Verde No. 2

Size

- a) Voltage 500 kV AC
- b) Capacity 1200 MW
- c) Point of Origin Harquahala Substation
- d) Intermediate Point None
- e) Point of Termination Devers Substation
- f) Length 230 miles (104 miles in Arizona and 126 miles in California)

Routing

The proposed line route between Devers and Harquahala parallels SCE's existing Palo Verde-Devers 500 kV line.

Twenty miles of new right of way acquisition is required, assuming the existing BLM right of way is still available to SCE for the remaining 210 miles of the line route.

Purpose

This 500 kV line will increase transfer capability from Arizona to Southern California.

Date

- a) Construction Start 2006
- b) Estimated In-Service 2008

Diagram 1 Series Capacitor Upgrades Project (2006)

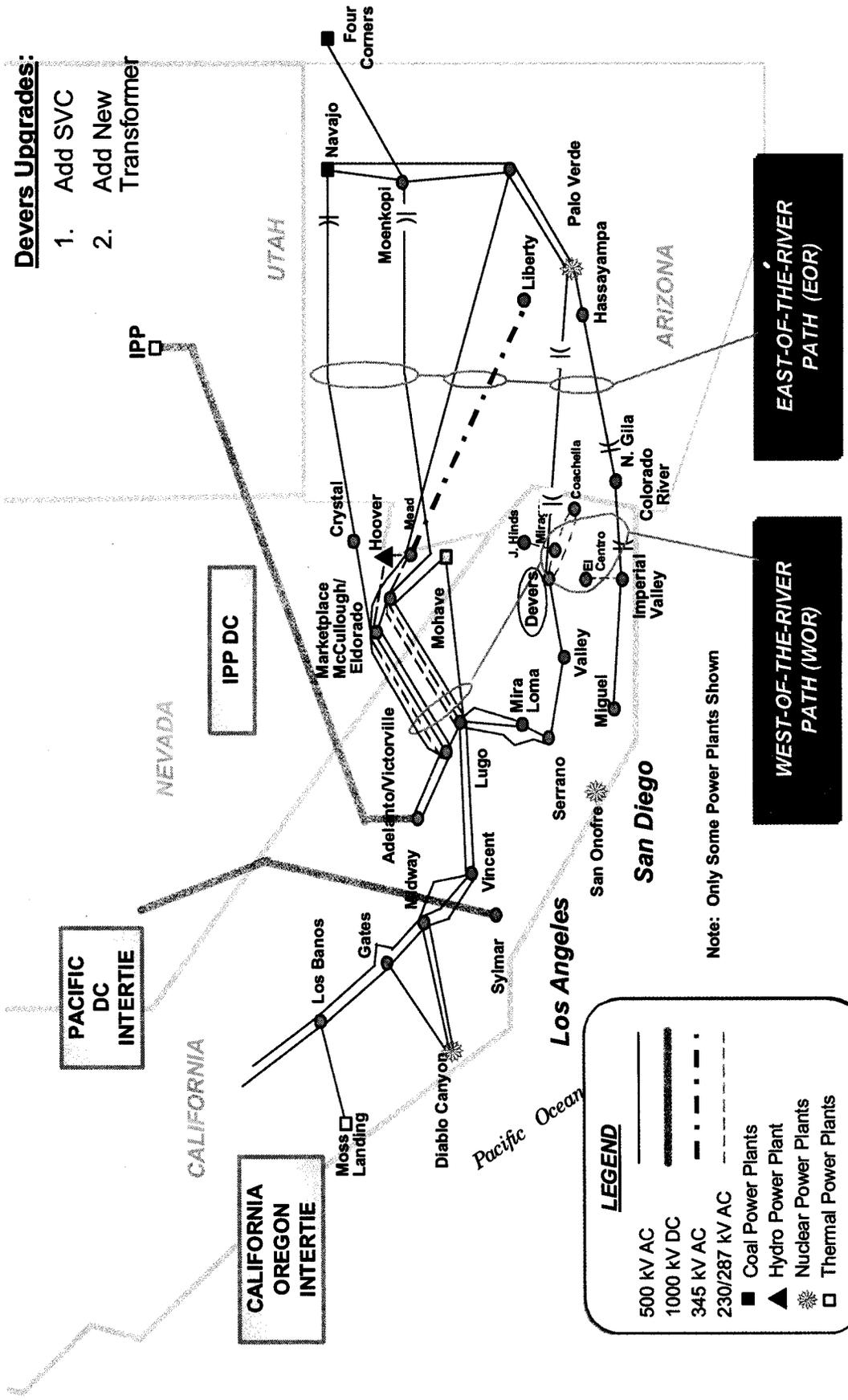


Diagram 2
Devers – Palo Verde No. 2 (2008)

