



0000107819

RECEIVED

Project Development

101 Ash Street, HQ14A
San Diego, CA 92101-3017

Tel: 619.696.4455
Fax: 619.696.2911

JRowley@SempraGeneration.com

2010 JAN 29 P 3: 21

AZ CORP COMMISSION
DOCKET CONTROL

ORIGINAL

January 29, 2010

Mr. Ernest G. Johnson
Director, Utilities Division
Arizona Corporation Commission
1200 W. Washington Street
Phoenix, AZ 85007

Re: Docket No. E-00000D-09-0020 – SEP-II Ten-Year Transmission Plan

Dear Mr. Johnson,

Enclosed are an original and thirteen copies of a Ten-Year Transmission Plan filed on behalf of SEP-II, a wholly owned subsidiary of Sempra Generation. This plan is filed in accordance with the requirements of Arizona Revised Statutes Section 40-360.02. The plan includes one project, a new 230 kV generation-tie line and associated switchyard facilities proposed in conjunction with the Mesquite Solar project to be located 2½ miles west of the 500 kV Hassayampa Switchyard.

Please contact me at (619) 696-4455 if you have any questions regarding this filing or the status of our transmission plan.

Sincerely,

Joseph H. Rowley

cc: Docket Control
Prem Bahl (ACC)

Arizona Corporation Commission
DOCKETED

JAN 29 2010

DOCKETED BY

**Sempra Generation on behalf of SEP-II
Ten-Year Transmission Plan**

The Ten-Year Transmission Plan of SEP-II includes one project. The project consists of a new 230 kV generation-tie line and associated switchyard facilities proposed in conjunction with the Mesquite Solar photovoltaic project to be located 2½ miles west of the 500 kV Hassayampa Switchyard. The overall length of the generation-tie line is approximately 4.5 miles, as shown on the attached route map provided as Figure 1.

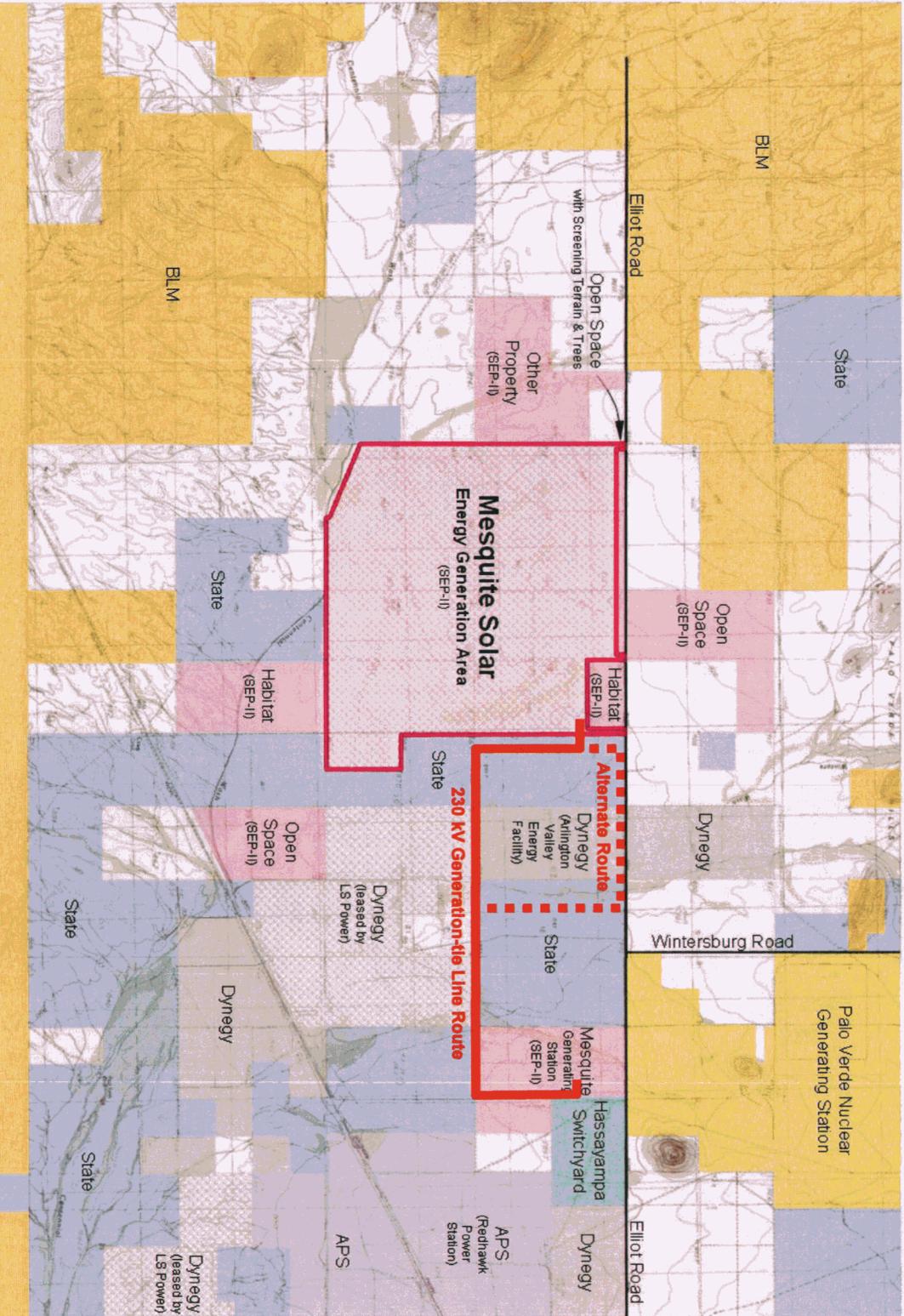
The generation-tie line will originate at a new 230 kV switchyard to be located on the Mesquite Solar site. The line will extend to and terminate at an expansion of the existing 230 kV bus of the Mesquite Generating Station. The project also includes a new, second connection between this existing 230 kV bus and the adjacent 500 kV Hassayampa Switchyard. The new connection will make use of an existing, spare 230/500 kV transformer bank. A diagram of the generation-tie line and switchyard facilities is provided as Figure 2.

The planned facilities were approved by the Line Siting Committee on August 13, 2009 and by the Arizona Corporation Commission on October 20, 2009. Construction of the planned facilities is currently scheduled for 2010.



Mesquite Solar SEP-II Ten-Year Transmission Plan

Figure 1: 230 kV Generation-tie Line Route



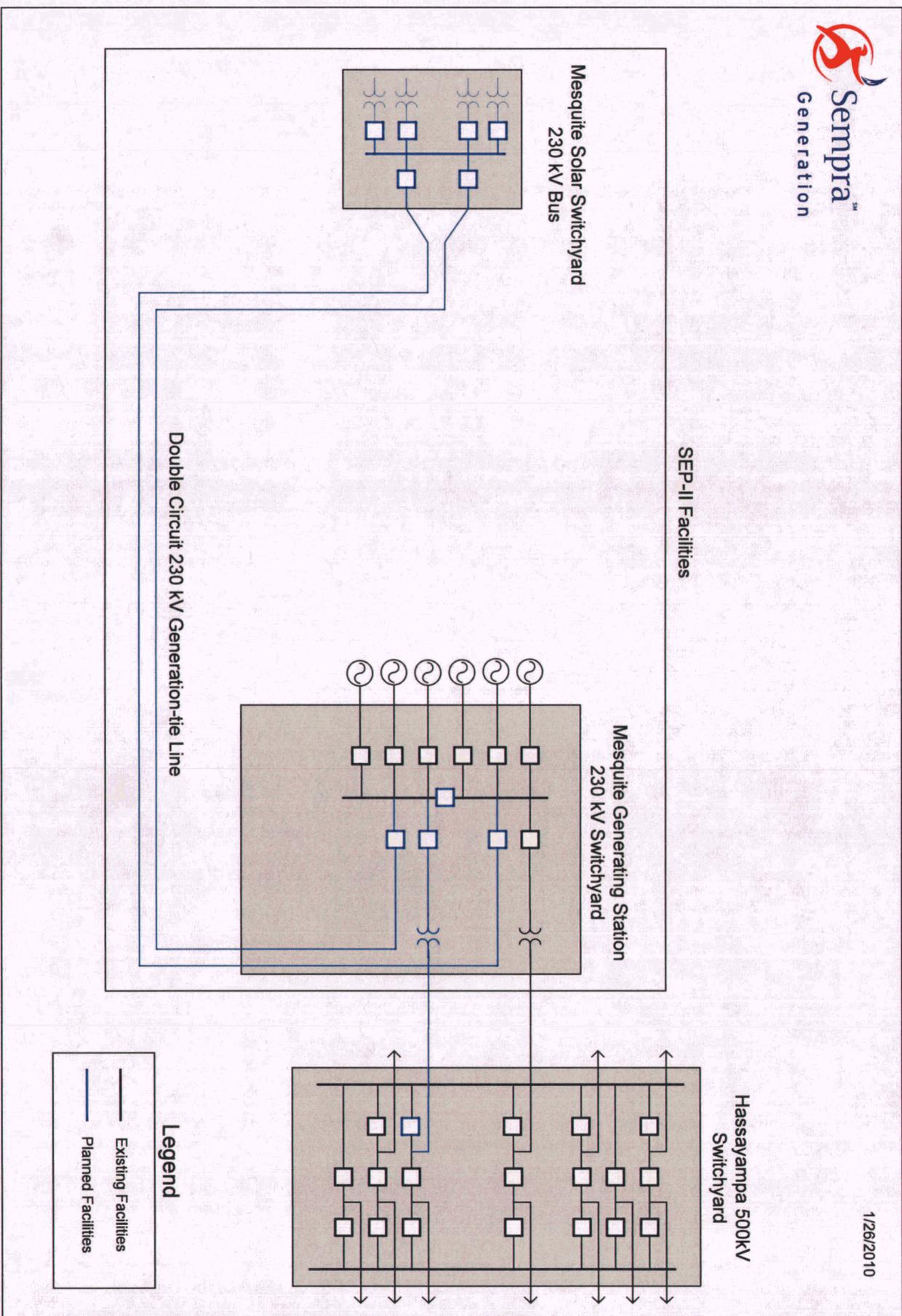


Figure 2: Sempra Generation (SEP-II) Ten-Year Transmission Plan