

DOCKETED

Docket Number:	15-AFC-01
Project Title:	Puente Power Project
TN #:	220946
Document Title:	Puente Power Project Declaration and Resume for Mark Hesters
Description:	N/A
Filer:	Marichka Haws
Organization:	California Energy Commission
Submitter Role:	Commission Staff
Submission Date:	8/30/2017 10:04:07 AM
Docketed Date:	8/30/2017

Memorandum

Date: August 29, 2017
Telephone: (916) 651-0966

To: Janea A. Scott, Commissioner and Presiding Member
Karen Douglas, Commissioner and Associate Member

From: California Energy Commission – Leonidas Payne
1516 Ninth Street Project Manager
Sacramento, CA 95814-5512

Subject: **PUENTE POWER PROJECT DECLARATION AND RESUME FOR MARK HESTERS**

Staff submits the following declaration by Mark Hesters in advance of the Evidentiary Hearing on the California ISO special study to be held on September 14-15, 2017 in Oxnard. Also included is Mark Hester's resume which was originally filed with the Final Staff Assessment.

DECLARATION OF MARK HESTERS

I, Mark Hesters, declare as follows:

1. I am presently employed by the California Energy Commission in the Strategic Transmission Planning and Corridor Designation Office of the Siting, Transmission, and Environmental Protection Division as a Senior Electrical Engineer.
2. A copy of my professional qualifications has been provided as part of this proceeding.
3. I have read the California Independent System Operator's Moorpark Sub-Area Local Capacity Alternative Study for the Puente Power Project and I am prepared to answer any questions the Committee or other parties in the proceeding may have.

I declare under penalty of perjury that the foregoing is true and correct to the best of my knowledge and belief.

Dated: 8/25/17 Signed: 
At: Sacramento, California

Mark Hesters

916-654-5049

mark.hesters@energy.state.ca.us

Qualifications

- Analyzed the reliability impacts of electric power plants for nine years.
- As an expert witness, produced written and oral testimony in numerous California Energy Commission proceedings on power plant licensing.
- Expertise in power flow models (GE PSLF and PowerWorld), production cost models (GE MAPS), Microsoft word-processing, spreadsheet and database programs.
- Contributing author to many California Energy Commission reports.
- Represented the Energy Commission in the development of electric reliability and planning standards for California.

Experience

Senior Electrical Engineer

2005-Present California Energy Commission, Sacramento, CA

- Program manager of the transmission system engineering analysis for new generator Applications of Certification.
- Lead the development of transmission data collection regulations.
- Overhauled the transmission data adequacy regulations for the Energy Commission's power plant certification process.
- Participated in the analysis of regional transmission projects.
- Technical lead for Commission in regional planning groups.
- Energy Commission representative to the Western Electric Coordinating Council Operations Committee.

Associate Electrical Engineer

1998–2005 California Energy Commission, Sacramento, CA

- Lead transmission systems analyst for power plant licensing under 12-month, 6-month and 21-day licensing processes.
- Provided expert witness testimony on the potential transmission impacts of new power plants in California Energy Commission licensing hearings.
- Authored chapters for California Energy Commission staff reports on regional transmission issues.
- Studied the economics of transmission projects using electricity production simulation tools.
- Analyzed transmission systems using the GE PSLF and PowerWorld load flow models.
- Collected and evaluated transmission data for California and the Western United States

Electric Generation Systems Specialist

1990–1998 California Energy Commission, Sacramento, CA

- Lead generation planner for southern California utilities.
- Analyzed electric generation systems using complex simulation tools.
- Provided analysis on the impact of resource plans on air quality and electricity costs for California Energy Commission reports.
- Developed modeling characteristics for emerging technologies.
- Evaluated resource plans.

Education

1985–1989 University of California at Davis

Davis, CA

- B.S., Environmental Policy Analysis and Planning