

DOCKETED

Docket Number:	97-AFC-02C
Project Title:	Sutter Power Plant Application for Certification
TN #:	201552
Document Title:	Report of Conversation, Sutter County Flood Protection Requirements
Description:	Report of conversations between Energy Commission Soil & Water staff and Sutter County engineer
Filer:	Beverly Bastian
Organization:	California Energy Commission
Submitter Role:	Commission Staff
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CALIFORNIA ENERGY COMMISSION
REPORT OF CONVERSATION Page 1 of 1



Siting and Environmental Protection Division

FILE: (97-AFC-2C)

PROJECT TITLE: Sutter Energy Center

Telephone & Email

Meeting Location:

NAME: Christopher Dennis

DATES: 01/08/2014 and
01/09/2014

TIME: Various

WITH: Daniel Peterson, P.E., CFM

SUBJECT: Sutter County flood protection requirements for construction of the auxiliary boiler and expansion of the air-cooled condenser and perimeter road.

COMMENTS:

Through a series of phone calls and email exchanges with Dan Peterson, it was determined that all development within a floodplain requires what the Federal Emergency Management Agency (FEMA) refers to as a development permit. Such a development permit can be in the form of a specific permit or a building permit, but two separate permits are not required. Therefore, for flood protection purposes, a building permit can suffice.

Mr. Peterson said that he contacted FEMA Region IX and confirmed his assessment that neither the fan rows nor the boiler would constitute structures for flood protection purposes. Thus, the proposed project modifications would not be required to comply with Sutter County code section 1780 and the development permit requirements of this code section. Nonetheless, the proposed modifications would require compliance with the California Building Code and, but for the Energy Commission's in-lieu permitting authority, would require a building permit from the County of Sutter.

The project modifications would require proper anchoring to prevent movement or collapse from a flood event and protection of electrical and mechanical connections to prevent entry or damage from floodwaters, as normally required under a building permit issued by the County of Sutter. The requirements for anchoring are in the latest California building codes and in various FEMA manuals. Lateral hydrostatic loads and buoyancy forces (especially on the boiler) from floodwaters must be accounted for in the design and construction of the proposed project modifications. The procedure for calculating buoyancy forces is detailed in FEMA 348, Section 3.2.3.1.

cc: Beverly Bastian
file

Signed:

Name: Christopher Dennis