

DOCKETED

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November 14, 2013

Ms. Beverly Bastian
California Energy Commission
1516 Ninth Street
Sacramento, CA 95814

Subject: Sutter Energy Center (97-AFC-2C), Informal Data Requests 27 through 29

Dear Ms. Bastian:

Attached please find Calpine Construction Finance Company, L.P. (Calpine) Responses to CEC Staff Informal Data Requests 27 through 29 in the areas of Socioeconomics and Project Description for the Sutter Energy Center (97-AFC-2C).

Please do not hesitate to contact me at (916) 286-0278 if you have any questions regarding the information we have submitted.

Sincerely,

CH2M HILL

A handwritten signature in blue ink, appearing to read "Douglas M. Davy".

Douglas M. Davy, Ph.D.
Program Manager

Attachment

cc: M. Weinberg, Calpine
B. McBride, Calpine

Sutter Energy Center

Petition to Amend #6

Response to Informal Data Requests 27-29

Submitted to
California Energy Commission

Prepared by

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November 2013

Contents

Section	Page
Introduction	1
Socioeconomics (27).....	2
Project Description (28-29).....	4

Introduction

Attached are Calpine Construction Finance Company, L.P.'s (CCFC or the Applicant) responses to California Energy Commission (CEC) Informal Data Requests 27 through 29 regarding the Sutter Energy Center (SEC) (97-AFC-2C) Petition to Amend (PTA) #6. The responses are grouped by individual discipline or topic area. Within each discipline area, the responses are presented in the same order as the CEC presented them and are keyed to the Informal Data Request numbers (27 through 29).

New or revised graphics or tables are numbered in reference to the Informal Data Request number. For example, the first table used in response to informal Data Request 2 would be numbered Table IDR10-1. The first figure used in response to Informal Data Request 10 would be Figure IDR10-1, and so on. Figures or tables from the SEC PTA that have been revised have "R1" following the original number, indicating revision 1.

Additional tables, figures, or documents submitted in response to a data request (for example, supporting data, stand-alone documents such as plans, folding graphics, etc.) are found at the end of each discipline-specific section and are not sequentially page-numbered consistently with the remainder of the document, though they may have their own internal page numbering system.

Socioeconomics (27)

Contractor Staff by Trade

Staff notes that Socioeconomics Table 3.9-1 (Construction Workforce by Month) in the March 22, 2013 petition does not identify the occupational titles of the workers, or specify the contractor staff by trade type or standard occupation classification code (SOC) as Table 3.9-3 does. Staff needs greater detail in Table 3.9-1 to match up workforce needs with labor supply, as reported by the California Employment Development's Projection's of Employment by Industry and Occupation.

27. *Please identify the types of occupations associated with the workforce estimates provided in Table 3.9-1. Please include a description of the work conducted by each type of worker and the identification of an associated SOC code, where applicable.*

Response: Please see Table 3.9-1R for a revision of Table 3.9-1 that identifies the types of workers, and associated SOC codes.

TABLE 3.9-1R

Construction Workforce by Month

Worker Type (from Table 3.9-3 of the AFC)	SOC Code*	Number of Craft/Month									
		1	2	3	4	5	6	7	8	9	
Civil work for ACC		8	8								
Operating Engineers/Equipment Operators	47-2070	2	2								
Construction Laborers	47-2060	6	6								
ACC				12	25	38	38	30	30		
Sheet Metal Workers	47-2210			6	13	19	19	15	15		
Helpers, Construction Trades	47-3010			6	12	19	19	15	15		
Steam blows and ACC commissioning											6
Electricians	47-2110										6
Auxiliary boiler foundation			4	2							
Cement Masons and Concrete Finishers	47-2050		1	1							
Construction Laborers	47-2060		3	1							
Mechanical tie-ins for auxiliary boiler installation					6	6	4				
Plumbers, Pipefitters, and Steam Fitters	47-2152				3	3	3				
Electricians	47-2110				3	3	3				
Auxiliary boiler installation								8	9		
Plumbers, Pipefitters, and Steam Fitters	47-2152							2	3		
Electricians	47-2110							2	2		
Major Maintenance Staff								56	59		
Plumbers, Pipefitters, and Steam Fitters	47-2152							28	28		
Electricians								28	29		
Generator Tie-line								18	18	18	
Construction Trade workers	47-4090							18	18	18	
Construction Management Staff	Supervisors/Managers	47-1010	1	1	1	1	1	1	1	1	1
Technical Advisor	Supervisors/Managers	47-1010		1	1	1	1	2	3	3	2
Total Craft			9	14	16	33	46	63	116	120	9

* SOC codes obtained from <http://www.bls.gov/soc/2010/soc470000.htm> November, 2013

Project Description (28-29)

Transformer Information

Staff was unable to find in the project description the number of transformers the CCFC proposes to construct and their specifications.

28. *Please provide number of proposed transformers and their specifications.*

Response: Final design for the project is not yet complete; however, it is anticipated that one 3-phase transformer (230kV to 500kV, 800 MVA auto transformer) will be included in the project.

29. *Additionally, please confirm that 3–5 acres will be needed for the bank of step-up transformers that would be located on the 25–35-acre site of the PG&E substation.*

Response: The bank of step-up transformers to be located on the PG&E substation will require approximately 3-5 acres of space.