

CALIFORNIA ENERGY COMMISSION1516 NINTH STREET
SACRAMENTO, CA 95814-5512

STATE OF CALIFORNIA
Energy Resources
Conservation and Development Commission

In the Matter of:)	Docket No. 97-AF-2C
)	Order No. 04-0630-01
Calpine Construction Finance Co., L.P.)	
SUTTER ENERGY CENTER)	ORDER APPROVING a petition
PROJECT)	to change measurement of CO
_____)	emissions during startup.

Calpine Construction Finance Co., L.P, a wholly-owned subsidiary of Calpine Corporation, has submitted a petition to amend the Energy Commission Decision for its Sutter Energy Center (SEC) Project (Docket No. 97-AFC-2C) located near Yuba City. The petition requests that the Commission approve a minor modification to Condition of Certification AQ-32(11) to change the current one-hour hourly limit on carbon monoxide (CO) emissions during startup to a three-hour rolling average. This will make the startup emission calculation consistent with the method of calculation during normal plant operation, which is also a three-hour rolling average.

STAFF RECOMMENDATION

Staff has reviewed the petition and finds that it complies with the requirements of Title 20 of the California Code of Regulations, Section 1769(a), and recommends approval of the requested modifications.

COMMISSION FINDINGS

1. There will be no new or additional unmitigated significant environmental impacts associated with the proposed change.
2. The facility will remain in compliance with all applicable laws, ordinances, regulations, and standards, subject to the provisions of Public Resources Code section 25525.
3. The changes will be beneficial to the project owner by providing a more practical measurement of CO emissions at startup.
4. There has been a substantial change since the Energy Commission certification with the availability of operational information that was not available during the siting process.

CONCLUSION AND ORDER

The California Energy Commission hereby adopts the staff’s recommendation and approves the following change to the Sutter Energy Center Commission Decision (additions shown underlined, deletions shown with ~~strikeout~~):

AQ-32(11) The maximum hourly emissions from each gas turbine/duct burner are given in the table below and shall be averaged over a rolling three hour period, except for the NOx emissions, and ~~all~~ NOx, VOC, PM10 and SO2 hourly startup emission rates, which shall be averaged over a one hour period. Additionally ~~excepting~~ the total emissions per startup and total emissions per shutdown which are not averaged over any time frame.

Pollutant	Maximum Allowable Hourly Emissions from Each Gas Turbine/Duct Burner (lb/hour)			
	In all modes of operation except startup and shutdown (lb/hour)	Start Up (lb/hour)	Start Up (lb/startup)	Shut Down (lb/shutdown)
NOx	19.1 (1 hour average)	175	680	80
CO	34.3 (3 hour average)	902	2514	100
VOC	3.51 (3 hour average)	16	59	16
SO ₂	4.02 (3 hour average)	3.7	22.2	3.7
PM ₁₀	11.5 (3 hour average)	9	54	9

IT IS SO ORDERED.

Date: June 30, 2004

STATE OF CALIFORNIA
ENERGY RESOURCES
CONSERVATION AND
DEVELOPMENT COMMISSION

Original Signed By
WILLIAM J. KEESE, Chairman