

Gateway Generating Station 3225 Wilbur Ave. Antioch, CA 94509 (925) 459-7200

April 18, 2007 GGS-L-00016C GGS Compliance Log # 2007-012

DOCKET 00-AFC-1C DATE APR 1 8 2007 RECD. APR 1 8 2007

Mr. Christopher Meyer California Energy Commission 1516 Ninth Street, MS-2000 Sacramento, CA 95814

Subject:

Gateway Generating Station (Docket 00-AFC-1C)

Revised Water Balances to PG&E's License Petition Amendment Dated December 2006

Dear Christopher:

The water balance provided in Pacific Gas & Electric Company's December 2006 Petition Amendment reflected continuous operation of the Wet Surface Air Cooler (WSAC). After considered review of the engineering design, PG&E has concluded that operation of the WSAC system under most ambient air temperatures occurring at the site would not provide sufficient operational benefits to warrant the increase in water consumption. PG&E has determined that operation of the WSAC could provide sufficient benefits when ambient air temperatures are above 80 °F. Therefore, PG&E is submitting the attached revised water balances to supplement PG&E's License Petition Amendment related to the new dry cooling technology.

The revised water balances present operating conditions at ambient air temperatures of 86 °F and above (Case 3) and 60 °F (Case 5). The peak water consumption is expected to be 115 gallons per minute, with an annual average water consumption of 70 gallons per minute. The maximum daily water consumption is estimated at 165,600 gallons/day, and the annual estimated water consumption is 23 million gallons or 71 acre-feet per year.

Please contact Jerry Salamy at CH2MHill if you have any questions regarding this submittal. He can be reached at (916) 286-0207.

Sincerely,

Andrea Grenier

Undrea E. Stenier

GGS Compliance Manager

Enclosure

AEG/aeg

cc: S. Perkins, PG&E

Hoc Phung, PG&E



