

December 10, 2018 California Energy Commission Business Meeting

Item 5. COSUMNES POWER PLANT (16-AFC-01) – PETITION TO AMEND COMMISSION DECISION.

Petition to Amend

<https://efiling.energy.ca.gov/GetDocument.aspx?tn=224625>

Petition to Amend Supplemental Information

<https://efiling.energy.ca.gov/GetDocument.aspx?tn=224837>

Notice of Receipt

<https://efiling.energy.ca.gov/GetDocument.aspx?tn=224683>

Staff email re: Air Quality Questions and Responses

<https://efiling.energy.ca.gov/GetDocument.aspx?tn=225839>

Staff Analysis

<https://efiling.energy.ca.gov/GetDocument.aspx?tn=225863>

Steve Uhler Comments

<https://efiling.energy.ca.gov/GetDocument.aspx?tn=224945>

<https://efiling.energy.ca.gov/GetDocument.aspx?tn=224946>

<https://efiling.energy.ca.gov/GetDocument.aspx?tn=224947>

<https://efiling.energy.ca.gov/GetDocument.aspx?tn=224948>

<https://efiling.energy.ca.gov/GetDocument.aspx?tn=224980>

<https://efiling.energy.ca.gov/GetDocument.aspx?tn=224983>

<https://efiling.energy.ca.gov/GetDocument.aspx?tn=225760>

<https://efiling.energy.ca.gov/GetDocument.aspx?tn=225800>

<https://efiling.energy.ca.gov/GetDocument.aspx?tn=225954>

<https://efiling.energy.ca.gov/GetDocument.aspx?tn=225955>

<https://efiling.energy.ca.gov/GetDocument.aspx?tn=225963>

SFA Response to Steve Uhler Comments

<https://efiling.energy.ca.gov/GetDocument.aspx?tn=225760>

Herald Fire Department

<https://efiling.energy.ca.gov/GetDocument.aspx?tn=225075>

SFA Response to Herald Fire Department

<https://efiling.energy.ca.gov/GetDocument.aspx?tn=225831>

SFA Comments on Staff Analysis

<https://efiling.energy.ca.gov/GetDocument.aspx?tn=225996>

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

In the Matter of:

COSUMNES POWER PROJECT

Docket No. 01-AFC-19C

**SACRAMENTO MUNICIPAL UTILITY
DISTRICT FINANCING AUTHORITY**

**[PROPOSED] ORDER APPROVING
PETITION TO AMEND FACILITY
LICENSE**

I. INTRODUCTION

On August 29, 2018, the Sacramento Municipal Utility District Financing Authority (SFA), the owner/operator of the Cosumnes Power Plant (CPP), located adjacent to the former Rancho Seco Nuclear Plant in southern Sacramento County, filed a petition to amend the Energy Commission Decision to operate the previously installed Advanced Gas Path upgrade components, Dry-Low Nitrogen 2.6+ combustors, and oxidation catalyst emission control systems. The petition also proposes to:

1. Increase electrical production from each of the two licensed combustion turbine generators from 170 MW to 198 MW, an increase of 28 MW each and 56 MW total;
2. Increase each combustion turbine's licensed fuel consumption from 1,865 million British thermal units per hour on a higher heating value basis to a heat input of 2,200 million British thermal units per hour on a higher heating value basis. This increased fuel consumption would increase the steam gas turbine output from 194 MW to 207 MW; and
3. Increase air emission limits commensurate with the increased fuel consumption.

The overall CPP electrical output would increase from 534 MW to 603 MW, an increase of 69 MW. The proposed increase in electrical output is within the electrical generation envisioned for the site.

Previously, on January 8, 2018, staff had approved the installation of Advanced Gas Path upgrade components, installation of Dry-Low oxides of Nitrogen 2.6+ (DLN2.6+) combustors, and installation of an oxidation catalyst system in the heat recovery steam generator. Staff determined that the installation of the proposed components did not require a post-certification amendment as the hot gas path components were considered to be like-in-kind replacements. The approval of the equipment installation

did not change the project design, operation, or performance requirements for the project.

Energy Commission staff reviewed all project related information and, on November 8, 2018, issued a staff analysis assessing the impacts on the environment from the project and recommended mitigation. The staff analysis concludes that the petition complies with the requirements of Title 20, section 1769 (a) of the California Code of Regulations, the proposed changes would not result in any significant adverse environmental impacts, and would comply with all applicable laws, ordinances, regulations, and standards with adoption of the staff proposed additions and changes to the conditions of certification. SFA submitted comments on the staff assessment on December 3, 2018, and staff responded to these and comments submitted by the public on December 6, 2018. Staff recommends approval of SFA's petition to modify the Cosumnes Power Plant and amend related Air Quality Conditions of Certification.

II. FINDINGS

Based on the entire record, including staff's analysis, the Energy Commission concludes that the proposed modifications will not result in any significant impacts to public health and safety, or to the environment. The Energy Commission finds that:

- The petition meets all the filing criteria of Title 20, section 1769 (a), of the California Code of Regulations, concerning post-certification project modifications;
- The project will remain in compliance with all applicable laws, ordinances, regulations, and standards, subject to the provisions of Public Resources Code, section 25525;
- The modified project would not have a significant impact on the environment;
- The changes will be beneficial to the project owner and the public because the proposed project change would allow the Cosumnes Power Plant to continue to run efficiently, and to meet environmental goals and the current increased demand for electricity; and
- There has been a substantial change in circumstances since the Energy Commission certification justifying the changes. This Petition to Amend proposes to increase electrical production through the operation of previously installed manufacturer upgraded turbine and emission control system components that were not available at the time of licensing.

III. CONCLUSION AND ORDER

The California Energy Commission hereby approves SFA's Petition for Post-Certification License Amendment filed on August 29, 2018, and adopts staff's proposed additions and changes to the project's conditions of certification as set forth in the staff analysis and the requested modifications to the conditions of certification contained in SFA's December 3, 2018, comments on the staff assessment, except for the requested change to AQ-15 A.i., which shall be as stated in staff's response to comments filed on December 6, 2018.

IT IS SO ORDERED.

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of an Order duly and regularly adopted at a meeting of the California Energy Commission held on December 10, 2018.

AYE:

NAY:

ABSENT:

ABSTAIN:

Cody Goldthrite
Secretariat