



CH2MHILL

CH2M HILL
2485 Natomas Park Drive
Suite 600
Sacramento, CA
95833-2937
Tel 916.920.0300
Fax 916.920.8463

May 3, 2001

01-AFC-4

CALIF ENERGY COMMISSION

MAY 03 2001

RECEIVED IN DOCKETS

Ms. Cheri Davis
California Energy Commission
Energy Facilities Siting and Environmental Protection Division
1516 Ninth Street, MS-15
Sacramento, CA 95814

Subject: Supplement A to the East Altamont Energy Center Application for Certification
(01-AFC-4)

Dear Ms. Davis:

Enclosed are 125 copies of the East Altamont Energy Center Supplement A to the Application for Certification.

If you have any questions, please call me at 916-920-0300.

Sincerely,

CH2M HILL

Jerry Salamy
Project Manager

c: Alicia Torre/Calpine
Tom Lagerquist/Calpine
Jim McLucas/Calpine
EJ Koford/CH2M HILL

SUPPLEMENT A
TO
EAST ALTAMONT ENERGY CENTER
APPLICATION FOR CERTIFICATION
(01-AFC-4)

Submitted to:

California Energy Commission
Sacramento, California

Prepared by:

East Altamont Energy Center, Limited Liability Company

May 2, 2001

CONTENTS

1.0 INTRODUCTION.....	1
2.0 REVISED PROJECT DESCRIPTION.....	2
3.0 ANALYSIS OF SUPPLEMENT A.....	3
3.1 Air Quality.....	3
3.2 Biological Resources.....	3
3.3 Cultural Resources.....	3
3.4 Land Use.....	3
3.5 Noise.....	3
3.6 Public Health.....	3
3.7 Worker Health and Safety.....	4
3.8 Socioeconomics.....	4
3.9 Agriculture and Soils.....	4
3.10 Traffic and Transportation.....	4
3.11 Visual Resources.....	4
3.12 Hazardous Materials Handling.....	4
3.13 Waste Management.....	4
3.14 Water Resources.....	4
3.15 Geologic Hazards and Resources.....	5
3.16 Paleontological Resources.....	5

1.0 INTRODUCTION

East Altamont Energy Center, Limited Liability Company (EAEC LLC) proposes to develop a natural-gas-fired generating Facility at the northeastern edge of Alameda County. The proposed East Altamont Energy Center (EAEC) will be a high-efficiency, combined-cycle Facility that will sell electricity in the electricity market established in California on March 31, 1998. On April 29, 2001, EAEC LLC filed an Application for Certification (AFC) with the California Energy Commission (CEC).

In the AFC, EAEC LLC identified two potential sources of potable/domestic water. These were a surface water source or groundwater from an onsite well. As a result of additional siting reviews by EAEC LLC, the potential for using groundwater from an onsite well is being abandoned. This supplemental filing (Supplement A) presents an analysis of the potential environmental impacts of this decision. The change in project description will not significantly affect the analyses contained in the AFC for the following disciplines: Air Quality, Biological Resources, Cultural Resources, Land Use, Noise, Public Health, Worker Health and Safety, Socioeconomics, Agriculture and Soils, Traffic and Transportation, Visual Resources, Hazardous Materials Handling, Waste Management, Water Resources, Geologic Hazards and Resources and Paleontological Resources.

2.0 REVISED PROJECT DESCRIPTION

The EAEC AFC identified two possible sources of potable/domestic water to support the operation of the EAEC. These included the use of an onsite groundwater well or the use of surface water. At this time, EAEC LLC is simplifying its application by eliminating the option to use groundwater from an onsite well as the source of potable/domestic water. Therefore, the only source of potable/domestic water being proposed for the operation of the EAEC is surface water from the Byron Bethany Irrigation District (BBID).

As shown in Tables 7-1A and 7-1B (page 7-2) of the AFC, the project's use of BBID water was estimated at 4,616 acre-feet per year with no recycled water use and 1,753 acre-feet per year with recycled water use. The change in the project description presented in this Supplement A will add 2 acre-feet per year to these BBID requirements; an addition of 0.04 percent with no recycled water use and 0.11 percent with recycled water use. Since the potable/domestic water and the cooling water supply are from the same source, there are no additional off-site linears associated with this change. Use of the BBID water for potable/domestic water will necessitate the installation of a water treatment system to treat the water to drinking water standards. The package treatment plant unit that will be used is a US Filter Water Boy © pre-engineered package plant with microfiltration and UV disinfection, or equivalent.

3.0 ANALYSIS OF SUPPLEMENT A

This section contains an assessment of potential environmental impacts resulting from implementation of the Supplement A. There are no environmental impacts other than those previously identified, and therefore no additional mitigation has been proposed.

3.1 Air Quality

Potential impacts to Air Quality remain the same as those described in Section 8.1 of the AFC. The proposed changes in the project description would not result in Air Quality impacts other than those previously identified.

3.2 Biological Resources

Potential impacts to Biological Resources remain the same as those described in Section 8.2 of the AFC. The proposed changes in the project description would not result in Biological Resource impacts other than those previously identified.

3.3 Cultural Resources

Potential impacts to Cultural Resources remain the same as those described in Section 8.3 of the AFC. The proposed changes in the project description would not result in Cultural Resource impacts other than those previously identified.

3.4 Land Use

Potential impacts to Land Uses remain the same as those described in Section 8.4 of the AFC. The proposed changes in the project description would not result in any Land Use impacts that were not previously identified.

3.5 Noise

Potential impacts to local noise conditions remain the same as those described in Section 8.5 of the AFC. The proposed changes in the project description would not result in Noise impacts other than those previously identified.

3.6 Public Health

Potential impacts to Public Health remain the same as those described in Section 8.6 of the AFC. The proposed changes in the project description will not result in Public Health impacts other than those previously identified.

3.7 Worker Health and Safety

Potential impacts to Worker Health and Safety were described in Section 8.7 of the AFC. The proposed changes in the project description will not result in worker health and safety impacts other than those previously identified.

3.8 Socioeconomics

Potential impacts on Socioeconomic Resources were described in Section 8.8 of the AFC. The proposed changes in the project description will not result in Socioeconomic impacts other than those previously identified.

3.9 Agriculture and Soils

Potential impacts to Agriculture and Soils were described in Section 8.9 of the AFC. The proposed changes in the project description will not result in Agricultural and Soils impacts other than those previously identified.

3.10 Traffic and Transportation

Potential impacts on Traffic and Transportation were described in Section 8.10 of the AFC. The proposed changes in the project description will not result in Traffic and Transportation impacts other than those previously identified.

3.11 Visual Resources

Potential impacts on Visual Resources were described in Section 8.11 of the AFC. The proposed changes in the project description will not result in visual resource impacts other than those previously identified.

3.12 Hazardous Materials Handling

Potential impacts on hazardous materials handling were described in Section 8.12 of the AFC. The proposed changes in the project description will not result in hazardous materials handling impacts other than those previously identified.

3.13 Waste Management

Potential impacts on waste management were described in Section 8.13 of the AFC. The proposed changes in the project description will not result in waste management impacts other than those previously identified.

3.14 Water Resources

The use of surface water as a potential source of non-drinking potable/domestic water was analyzed in the AFC. The source of the surface water was the California Aqueduct, which extracts water from the Sacramento-San Joaquin Delta water system. The BBID

water supply also comes from the California Aqueduct and Sacramento-San Joaquin Delta water system, so this change will not result in water resources impacts other than those previously identified.

3.15 Geologic Hazards and Resources

Impacts from geologic hazards of the proposed facility were described in Section 8.15 of the AFC. The proposed changes in the project description will not result in Traffic and Transportation impacts other than those previously identified.

3.16 Paleontological Resources

Potential impacts to Paleontological Resources were described in Section 8.16 of the AFC. The proposed changes in the project description will not result in paleontological resource impacts other than those previously identified.