



BEFORE THE ENERGY RESOURCES CONSERVATION AND DEVELOPMENT  
COMMISSION OF THE STATE OF CALIFORNIA  
1516 NINTH STREET, SACRAMENTO, CA 95814  
1-800-822-6228 – WWW.ENERGY.CA.GOV

**DOCKET**

**08-AFC-10**

DATE APR 20 2010

RECD. APR 20 2010

APPLICATION FOR CERTIFICATION FOR THE  
**LODI ENERGY CENTER**  
NORTHERN CALIFORNIA POWER AGENCY

DOCKET No. 08-AFC-10

## ERRATA TO THE PRESIDING MEMBER'S PROPOSED DECISION

After reviewing the comments submitted by the parties on April 12, 2010, we incorporate the following changes to the March 10, 2010 Presiding Member's Proposed Decision (PMPD):

### INTRODUCTION

**1. Page 2, Second Paragraph, change as follows:**

. . . A new ~~520-foot~~, approximately 1100 foot 230-kV line will be constructed to transmit the plant output to the electrical grid via the existing 230-kV switchyard adjacent to the existing plant. Additionally, a new ~~2.5-2.7~~ mile-long gas . . .

### PROJECT DESCRIPTION

**2. Page 7, Last Full Paragraph, First Sentence, change to read:**

"Construction costs are estimated to be between \$275 and \$375 million.

**3. Page 8, Section 3. Power Plant Equipment and Linear Facilities, First Sentence, change to read:**

"One natural ~~gas-fired~~ gas-fired Siemens STGS-5000F combustion turbine-generator (CTG), ...

**4. Page 8, Section 5. Natural Gas Supply, change to read:**

In March 2009, the Applicant submitted Supplement C to reflect that natural ~~Natural~~ gas will be delivered to the project through a new off-site pipeline about 2.7 miles long running parallel to the 3-mile existing natural gas pipeline (#108) owned by Pacific Gas and Electric which services the existing STIG plant adjacent to the LEC project site. (Ex. 30) . . .

**5. Page 9, Section 6. Water Supply, First Paragraph, first sentence, change to read as follows:**

~~Recycled water will be used for cooling needs for the LEC project and will be provided by a 48-diameter pipeline in the utility corridor connecting the LEC and city of Lodi's WPCF. The recycled water will be provided by a new pipeline that will be located immediately adjacent to the existing pipeline serving the STIG.~~

6. **Page 9, Section 7. Wastewater Discharge, delete third sentence:**

~~The remaining small portion will be captured in underground storage tanks and disposed of appropriately.~~

7. **Page 10, Finding of Fact 2. change to read as follows:**

The project will have a ~~nominal name plate~~ capacity rating of 296MW.

8. **Footnote 2 should also be changed to reflect the same:**

“296 MW is the ~~name plate or rated~~ nominal capacity of the project,...”]

9. **Page 10, Findings of Fact 3. change to read as follows:**

The project involves construction of a new ~~520-foot kilovolt~~, approximately 1100 feet in length, transmission/generation tie-line to the existing 230 kV switchyard substation adjacent to the plant

## **PROJECT ALTERNATIVES**

10. **Page 14, Alternatives Table 1, modify as follows:**

LEC Column: Electrical = ~~520 feet~~ approximately 1100 feet.

11. **Page 15, Footnote 1 to Alternatives Table 1, replace with the following sentence:**

The recycled water will be provided by a new pipeline that will be located immediately adjacent to the existing pipeline serving the STIG.

12. **Page 17, First Paragraph, change first two sentences to read as follows:**

To minimize NOx emissions, the LEC combustion turbine generators will be equipped with ~~water injection combustors~~ dry low NOx combustors and selective catalytic reduction using anhydrous ammonia as the reducing agent. (Ex. 1, p. 6-18). However the Applicant considered the following combustion turbine NOx control alternatives: steam injection and water injection ~~dry low NOx combustors.~~”

## **FACILITY DESIGN**

**13. Pages 45-46, Facility Design Table 1:**

Second row, CT Enclosure Structure,... the Quantity should be 1

**Page 46, fifth row:**

~~Fire/Raw~~ should be changed to Service

Delete thirteenth row (Warehouse Structure). Not part of project

Delete fifteenth row, (Control Room Structure). Not part of project

Eighteenth row, delete the parenthetical entry after Drainage Systems (~~including sanitary drain and waste~~)

Twentieth row, delete the parenthetical entry after Temperature Control and Ventilation Systems (~~including water and sewer connections~~)

## **POWER PLANT RELIABILITY**

**14. Page 65, Section 2. Plant Maintainability, Third Bullet, change as follows:**

- ~~Three 50-Two 100~~ percent capacity condensate pumps;

## **TRANSMISSION SYSTEM ENGINEERING**

**15. Page 70, Section 1. Switching Station Upgrades. Last paragraph, second sentence, change to read:**

...line would approximately be ~~520 feet~~ approximately 1100 feet and would be supported by monopole, . . .

**16. Page 77, Condition of Certification TSE-5, change to read as follows:**

- A. The LEC project will be interconnected to the NCPA Lodi Switching Station via a single 230 kV transmission line, approximately ~~520 feet long~~ approximately 1100 feet, with 1272 kcmil ACSR, Bittern conductor or conductor with a higher rating.

## **TRANSMISSION LINE SAFETY AND NUISANCE**

**17. Page 81, Summary and Discussion of Evidence, First Sentence, change to read as follows:**

The LEC Project includes building and operating a new on-site, ~~500-foot long~~ approximately 1100 feet 230-kV overhead transmission line.

18. **Page 81, Summary and Discussion of Evidence, Aviation Safety, last paragraph, change to read as follows:**

. . .The evidence further shows, however, that the ~~73- 78~~-foot height of the line's support structures is well below the 200-foot height threshold of concern for the FAA.

19. **Page 84, Findings of Fact 1, change to read as follows:**

The Lodi Energy Center Project includes the construction and operation of a new on-site 230-kV switchyard and an on-site, ~~500-foot~~ approximately 1100 feet long overhead 230-kV transmission line.

### **AIR QUALITY**

20. **Page 102, fourth line under Air Quality Table 3**

~~185 MW~~ should be changed to 200.8 MW

21. **Page 118, Findings of Fact 3**

~~185 MW~~ should be changed to 200.8 MW

### **HAZARDOUS MATERIALS MANAGEMENT**

22. **Pages 186, 187 and 188, Hazardous Materials Attachment A**

*In the Row for Hydrogen:* under the Application column, change entire entry to now read general or miscellaneous; and under Maximum Quantity on Site column, change ~~20,000~~ to 1000 cubic feet;

*In the Row for Oxygen,* add cycle water treatment after Welding gas in the Application column;

*In the Row for Sodium Hydroxide,* change the Maximum Quantity on Site column entry of ~~10 gallons~~ to 40 gallons;

*In the Row for Aqueous Ammonia,* under the column Application, ~~p/t control~~ should be changed to pH control and ~~flammable~~ should be changed to flammability in the last line of the Hazardous Characteristics column.

### **BIOLOGY**

23. **Page 213, first paragraph and Page 228, BIO-11:**

Change all references to ~~\$16,342.68~~ to \$16,343.28.

24. **Page 213, second paragraph, second sentence, change to read:**

White-tailed kite is a California Fully Protected species that is a yearlong resident of the Central Valley, coastal range, and foothills. ~~The evidence indicates that there are no records of the presence of white-tailed kite within a five-mile radius of the project.~~ A white-tailed kite nest was observed on the side of Laydown Area D of the LEC Project site during a survey conducted on April 30, 2008. The parties agree and we find . . .

**Page 217, second sentence under LORS Compliance, change to read:**

NCPA ~~will~~ has participated in the SJMSCP for ~~the entire life of~~ the LEC Project.

**25. Page 215, Section 4. Operational Impacts and Mitigation, last paragraph:**

The LEC project includes a 150-foot exhaust stack, a 105-foot heat recovery steam generator, one turning pole no more than 73 feet tall, and ~~two five~~ 73-foot monopole support towers. The transmission tower structures will support ~~520~~ approximately 1100 feet of new transmission lines that will tie the plant to the existing STIG power plant's 230-kV switchyard.

**26. Page 217, 6. LORS Compliance, second sentence, change to read:**

NCPA ~~will~~ has participated d in the SJMSCP for the ~~entire life of the~~ LEC Project.

**27. Page 227, BIO-9**

Change ~~\$27,164.06~~ to \$27,162.07

**SOIL AND WATER**

**28. Page 237, 4. Wastewater, change to read as follows:**

The evidence indicates that the project will discharge up to ~~225-189~~ gpm of nonhazardous process wastewater to an on-site Class I injection well. Presently, NCPA owns and operates a Class I injection well for wastewater injection at the STIG facility. NCPA has ~~submitted a new~~ received an Underground Injection Control (UIC) permit ~~application to from~~ the USEPA Region IX for the combined STIG-LEC facility. (Ex. 15.) The receipt of the permit was based on the application submitted by NCPA (Exhibit 43) which contains the initial .... (Ex. 300, p. 4.9-6.)

**Seond paragraph, change maximum rate as follows:**

. . . injection at a maximum rate of ~~225 189~~ gpm. . .

**CULTURAL RESOURCES**

**29. Page 261, CUL-2, Verification, first sentence:**

At least 40 days prior to the start of ground disturbance, the project owner shall provide copies of the AFC, data responses, confidential cultural resources documents, all supplements, and the Energy Commission SA to the CRS (if needed) and copies of the subject maps and drawings to the ~~PG~~, CRS, and CPM.

## **GEOLOGY AND PALEONTOLOGY**

**30. Page 275, PAL-4, first sentence, change to read as follows:**

If after review of the plans provided pursuant to **PAL-2**, the PRS determines that materials with moderate or high, ~~or unknown~~ paleontological sensitivity could be....

**31. Page 276, PAL-4 Verification, first sentence, change to read:**

Not more than 5 days ~~prior to ground disturbance~~, after implementation . . . .

## **LAND USE**

**32. Page 281, Section 1. The Site, first sentence, change as follows:**

The 4.4-acre LEC site and the ~~5.4-acre~~9.8-acre temporary laydown and parking areas are located on land owned . . .

## **NOISE AND VIBRATION**

**33. Page 312, second paragraph, change to read as follows:**

New off-site linear facilities include a ~~2.7~~ 2.5-mile-long natural gas pipeline. The Applicant intends to ~~use an existing~~ construct a new water supply pipeline from the WPCF and use existing transmission lines . . .

## **VISUAL RESOURCES**

**34. Page 327, Section a. Construction Impacts, first sentence:**

“Construction activities will occur over approximately ~~27~~ 24 months”

**35. Page 329, first paragraph, change to read:**

Three transmission poles and the turning pole and lines will be installed on the east side of the property. Two ~~Five~~ transmission poles and lines will be installed on the north . . . to cooling water and sewer connections. A new gas pipeline, which will extend beyond the project site, and recycled water pipeline, will be constructed below ground.

36. **Pages 342, Section 2. Visible Vapor Plumes, first two paragraphs, change to read as follows:**

The record indicates that the combustion turbine generators (CTGs) include a ~~plume abated~~ cooling tower . . .

A visible plume frequency of 20 percent of seasonal (November through April) daylight clear hours was used as a plume impact study threshold trigger. . . .

See **Visible Plume Figure Table 1:**

37. **Page 343, insert the following paragraph after Visible Fume Table 1:**

Subsequent to the preparation of this table, Applicant revised the turbine design to one that will not include duct firing. The evidence indicates that this new turbine selection will not change the impact determination for the HRSG visible plumes, as the impact remains less than significant due to low visible plume frequency potential for the turbine/HRSG exhaust.

38. **Page 344, Section 4. Cumulative Impacts and Mitigation, first paragraph, last sentence, change to read as follows:**

According to the City of Lodi Public Works Department, the improvements to the White Slough WPCF, are scheduled to begin in 2010 ~~and last between 18 to 24 months, will accommodate the increased water flow needed by the LEC.~~

39. **Page 345, Findings of Fact 1, change to read:**

. . . approximately 27 to 24 months.

40. **Page 345, Findings of Fact 9, change to read:**

The combustion turbine generators (CTGs) include a ~~plume abated~~ cooling tower which . . .

41. **Page 345, delete Findings of Fact 10.**

Dated: April 20, 2010, at Sacramento, California.



KAREN DOUGLAS  
Chairman and Presiding Member  
Lodi Energy Center AFC Committee



JEFFREY D. BYRON  
Commissioner and Associate Member  
Lodi Energy Center AFC Committee



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**APPLICATION FOR CERTIFICATION  
FOR THE *Lodi Energy Center***

**DOCKET No. 08-AFC-10**

**PROOF OF SERVICE  
(Revised 2/8/10)**

**APPLICANT**

Ken Speer  
Assistant General Manager  
Northern California  
Power Agency  
651 Commerce Drive  
Roseville, CA 95678  
[ken.speer@ncpagen.com](mailto:ken.speer@ncpagen.com)

Ed Warner  
Project Manager  
Northern California  
Power Agency  
P.O. Box 1478  
Lodi, CA 95241  
[ed.warner@ncpagen.com](mailto:ed.warner@ncpagen.com)

**APPLICANT'S COUNSEL**

Scott Galati  
Galati Blek  
455 Capitol Avenue, Ste. 350  
Sacramento, CA 95814  
[sgalati@gb-llp.com](mailto:sgalati@gb-llp.com)

**APPLICANT'S CONSULTANT**

Andrea Grenier  
Grenier & Associates, Inc.  
1420 E. Roseville Pkwy,  
Ste. 140-377  
Roseville, CA 95661  
[andrea@agrenier.com](mailto:andrea@agrenier.com)

Sarah Madams  
CH2MHILL  
2485 Natomas Park Drive,  
Ste. 600  
Sacramento, CA 95833  
[smadams@ch2m.com](mailto:smadams@ch2m.com)

**APPLICANT'S ENGINEER**

Steven Blue  
Project Manager  
Worley Parsons  
2330 E. Bidwell, Ste. 150  
Folsom, CA 95630  
[Steven.Blue@WorleyParsons.com](mailto:Steven.Blue@WorleyParsons.com)

**INTERESTED AGENCIES**

California ISO  
[e-recipient@caiso.com](mailto:e-recipient@caiso.com)

**INTERVENORS**

**ENERGY COMMISSION**

KAREN DOUGLAS  
Chairman and Presiding  
Member  
[kldougl@energy.state.ca.us](mailto:kldougl@energy.state.ca.us)

JEFFREY D. BYRON  
Commissioner and Associate  
Member  
[jbyron@energy.state.ca.us](mailto:jbyron@energy.state.ca.us)

Kenneth Celli  
Hearing Officer  
[kcelli@energy.state.ca.us](mailto:kcelli@energy.state.ca.us)

Kristy Chew, Adviser to  
Commissioner Byron  
[kchew@energy.state.ca.us](mailto:kchew@energy.state.ca.us)

Rod Jones  
Project Manager  
[rjones@energy.state.ca.us](mailto:rjones@energy.state.ca.us)

Melanie Moultry  
Staff Counsel  
[MMoultry@energy.state.ca.us](mailto:MMoultry@energy.state.ca.us)

Jennifer Jennings  
Public Adviser  
[publicadviser@energy.state.ca.us](mailto:publicadviser@energy.state.ca.us)

DECLARATION OF SERVICE

I, Katherine Nicholls, declare that on April 20, 2010, I served and filed copies of the Errata to the Presiding Member's Proposed Decision for the **LODI ENERGY CENTER**. The original document, filed with the Docket Unit, is accompanied by a copy of the most recent Proof of Service list, located on the web page for this project at: [\[http://www.energy.ca.gov/sitingcases/loDI\]](http://www.energy.ca.gov/sitingcases/loDI).

The documents have been sent to both the other parties in this proceeding (as shown on the Proof of Service list) and to the Commission's Docket Unit, in the following manner:

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**CALIFORNIA ENERGY COMMISSION**

Attn: Docket No. 08-AFC-10  
1516 Ninth Street, MS-4  
Sacramento, CA 95814-5512  
[docket@energy.state.ca.us](mailto:docket@energy.state.ca.us)

I declare under penalty of perjury that the foregoing is true and correct, that I am employed in the county where this mailing occurred, and that I am over the age of 18 years and not a party to the proceeding.

*Original Signed By:*  
**Katherine Nicholls**