

DOCKET

08-AFC-10

DATE DEC 21 2009

RECD. DEC 21 2009

December 21, 2009

California Energy Commission
Docket Unit
1516 Ninth Street
Sacramento, CA 95814-5512

Subject: **TABLE DR71-1**
DOCKET NO. (08-AFC-10)

Enclosed for filing with the California Energy Commission is the original of the **TABLE DR71-1**, for the Lodi Energy Center Docket No. (08-AFC-10)

Sincerely,



Ashley Y Garner

TABLE DR71-1

Cooling Tower Parameters

Parameter Cooling Tower Exhausts

Number of Cells

7 cells (1 by 7)

Cell Height

13.9 Meters (45.8 feet)

Cell Diameter

8.5 meters (~~28~~ feet)

Tower Housing Length

102.6 meters (336.7 feet)

Tower Housing Width

13 meters (42.7 feet)

Ambient Temperature

35°F	65°F	94.0°F
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Ambient Relative Humidity

74.0%	67.0%	27.5%
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Duct Firing

n/a	n/a	n/a
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Heat Load MMBtu/hr ⁽¹⁾

651.7	643.3	640.3
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Number of Cells in Operation

7	7	7
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Heat Rejection (MMBTU/hr) ⁽²⁾

738.3	724.5	714.15
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Exhaust Temperature (°F) ⁽³⁾

67.91	82.39	88.95
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Exhaust Flow Rate (lb/hr)

5182652	5008656	4904043
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Water Temperature In (°F)

52.43	68.04	75.4
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Water Temperature Out (°F)

73.83	89.04	96.1
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Water Flow (Gal/min)

69,000	69,000	69,000
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(1) Heat load associated with the steam cycle

(2) Heat rejection for the entire plant (includes BOP cooling loads)

(3) Wet Bulb and Dry Bulb are equal



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

APPLICATION FOR CERTIFICATION
FOR THE *Lodi Energy Center*

Docket No. 08-AFC-10

PROOF OF SERVICE
(Revised 2/17/09)

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DECLARATION OF SERVICE

I, Ashley Y Garner, declare that on December 21, 2009, I served and filed copies of the attached **TABLE DR71-1** dated **August 19, 2009**. 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:

[www.energy.ca.gov/sitingcases/lodi/index.html].

The document has 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:

(Check all that Apply)

For service to all other parties:

sent electronically to all email addresses on the Proof of Service list;

by personal delivery or by depositing in the United States mail at Sacramento, California with first-class postage thereon fully prepaid and addressed as provided on the Proof of Service list above to those addresses **NOT** marked "email preferred."

AND

For filing with the Energy Commission:

sending an original paper copy and one electronic copy, mailed and emailed respectively, to the address below (*preferred method*);

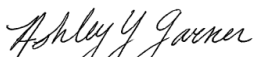
OR

depositing in the mail an original and 12 paper copies, as follows:

CALIFORNIA ENERGY COMMISSION

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

I declare under penalty of perjury that the foregoing is true and correct.



Ashley Y. Garner