

## DOCKETED

<b>Docket Number:</b>	00-AFC-14C
<b>Project Title:</b>	El Segundo Power Redevelopment Project Compliance
<b>TN #:</b>	201379
<b>Document Title:</b>	Data Request Set 5
<b>Description:</b>	Plume Velocity Modeling Data
<b>Filer:</b>	Craig Hoffman
<b>Organization:</b>	California Energy Commission
<b>Submitter Role:</b>	Commission Staff
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**CALIFORNIA ENERGY COMMISSION**

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December 6, 2013

NRG Energy  
George L. Piantka  
Director, Environmental Business  
5790 Fleet Street, Suite 200  
Carlsbad, CA 92008

**RE: EL SEGUNDO ENERGY CENTER AMENDMENT, (00-AFC-14C)  
DATA REQUEST SET 5 (No. 94)**

Dear Mr. Piantka:

Energy Commission staff has reviewed the Petition to Amend (Petition) for the El Segundo Energy Center Amendment and requires additional information to supplement the environmental analysis, pursuant to Title 20, California Code of Regulations, Section 1769(a)(1)(E). The information requested is necessary to more fully understand the project. This data request (No. 94) is being made in the area of: Traffic and Transportation – Plume Velocity.

Staff requests that written responses to the enclosed data requests be provided on or before January 6, 2014. If you are unable to provide the information requested, need additional time, or you object to providing the requested information, please send a written notice to both the Siting Committee for the El Segundo Energy Center Amendment and me within 20 days of receipt of this information request. The notification must contain the reasons for not providing the information and the grounds for any objections. Section 1769(f).

If you have any questions, please call me at (916) 654-4781 or email me at [craig.hoffman@energy.ca.gov](mailto:craig.hoffman@energy.ca.gov).

Sincerely,

Craig Hoffman  
Compliance Project Manager

Enclosure

**Technical Area:** Traffic and Transportation  
**Author:** Wenjun Qian

## **BACKGROUND - Plume Velocity Modeling Data**

Staff will evaluate exhaust stack plume velocities at El Segundo Energy Center (ESEC). The facility owner provided exhaust stack parameters for gas turbines and the auxiliary boiler. Staff needs the exhaust stack parameters for the dry cooling tower.

## **DATA REQUEST**

94. Please provide the following information regarding the exhaust parameters for the dry cooling tower when operating at full load (maximum heat rejection).
- a) Heat Rejection Rate (MW/hr)
  - b) Total Air Flow Rate (lbs/hour)
  - c) Air Temperature Increase (Exhaust Temperature minus Ambient Temperature)