

DOCKETED

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February 3, 2014

Ms. Patricia Kelly
Project Manager
California Energy Commission
1516 Ninth Street
Sacramento, CA 95814-5512

Subject: Redondo Beach Energy Project (12-AFC-03)
Data Response Set 1C – Responses to CEC Staff Data Requests 26R-28R

Dear Ms. Kelly:

Attached please find the Redondo Beach Energy Project's Data Response Set 1C, including responses to Staff revised Data Requests 26R-28R. This Data Response Set was prepared in response to California Energy Commission Staff Revised Data Requests 26R-28R for the Application for Certification for the Redondo Beach Energy Project (12-AFC-03) dated November 20, 2013. If you have any questions about this matter, please contact me at (916) 286-0249 or Mr. Jerry Salamy at (916) 286-0207.

Sincerely,

CH2M HILL

A handwritten signature in black ink, appearing to read "Sarah Madams".

Sarah Madams
AFC Project Manager

Attachment

cc: S. O'Kane, AES
G. Wheatland, ESH
J. Salamy, CH2M HILL

Redondo Beach Energy Project

(12-AFC-03)

Data Request, Set 1R (Responses to Data Requests 26–28 Revised)

Submitted to
California Energy Commission

Prepared by
AES Southland Development, LLC

With Assistance from
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February 3, 2014

Contents

Section	Page
Contents	ii
Introduction.....	1
Data Requests (26–28)	2

Attachments (provided at the end of their respective sections)

Attachment DR 26R-1 Redondo Beach Energy Project Supplemental Noise Monitoring Plan

Introduction

Attached are AES Southland Development, LLC's (AES-SLD or the Applicant) responses to the California Energy Commission (CEC) Data Request, Set 1R (numbers 26-28) regarding the Redondo Beach Energy Project (RBEP) (12-AFC-03) Application for Certification (AFC).

The responses are grouped by individual discipline or topic area. Within each discipline area, the responses are presented in the same order as the CEC presented them and are keyed to the Data Request numbers (26 through 28).

New or revised graphics or tables are numbered in reference to the Data Request number. For example, the first table used in response to Data Request 36 would be numbered Table DR36-1. The first figure used in response to Data Request 42 would be Figure DR42-1, and so on. Figures or tables from the RBEP AFC that have been revised have "R" following the original number, indicating revision.

Additional tables, figures, or documents submitted in response to a data request (for example, supporting data, standalone documents such as plans, folding graphics, etc.) are found at the end of each discipline-specific section and are not sequentially page-numbered consistently with the remainder of the document, though they may have their own internal page numbering system.

Noise (26–28)

BACKGROUND

In its objection to Staffs Data Requests (DRs) 26-28, the Applicant states that the noise measurements presented in the Application For Certification (AFC) for the monitoring locations to the west and south of the project site also represent the existing ambient noise environments at the noise-sensitive receptors located to the east and north of the project site, those described in DRs 26-28. Staff believes that the noise environments in the already monitored locations west and south of the project site differ from those proposed monitoring locations north and east of the site. The data in the AFC do not appropriately represent the residential communities to the north and east of the project site. Note that the proposed project is located to the east and north of the existing site.

In order to complete its noise analysis and to determine the project's noise impacts at all of the project's noise sensitive receptors, Staff needs additional ambient noise level measurements.

The minimum monitoring required for Staff to conduct its noise analysis would be monitoring at one location to the north and one location to the east of the project site. To provide flexibility in conducting the surveys, Staff is willing to combine DRs 26 and 27; the measurements can alternatively be taken near only one of the locations described in DRs 26 and 27 (i.e.; any location between the single-family and multi-family residences described in these DRs).

Currently, the monitoring described in DRs 26-28 consists of 25-hour continuous measurements. To provide further flexibility, at the discretion of the Applicant, this monitoring can consist of the above 25-hour continuous measurements or, alternatively, a set of shorter-term measurements. If the Applicant chooses to conduct the shorter-term survey, it needs to consist of one set of continuous measurements from 10 p.m. to 7 a.m. and two 15-minute (at the minimum) daytime measurements, taken once in mid-late morning and another in early-late afternoon. In addition, the Applicant does not need to calculate the four quietest consecutive hours of the nighttime, as requested in DRs 26R, 27R and 28R.

The ambient noise data collected at the two measurement locations to the west and south of the project site show that the operational activities of the existing AES Redondo Beach Generating Station (AES RBGS) do not necessarily relate to the changes in the ambient noise levels in the vicinity of the project site (AFC Table 5.7A). Therefore, to provide even more flexibility in conducting the requested surveys, these surveys can be conducted with or without AES RBGS in operation.

DATA REQUEST

26R. Please perform, either a set of 25-hour continuous ambient noise measurements, or a set of shorter-term ambient noise measurements, at or near the residential areas in Hermosa Beach located north of the of the AES Redondo Beach Generating Station (AES RBGS) along Herondo Street. The location of this survey can be anywhere along Herondo Street between the multifamily residences located immediately northeast of the intersection of Valley Drive and Herondo Street and the single family residences located between Hermosa Avenue and Monterey Blvd. The shorter-term measurement alternative must consist of one set of continuous measurements from 10 p.m. to 7 a.m. and two 15-minute (at the minimum) daytime measurements, taken once in mid-late morning and another in early-late afternoon. Please provide the results of these measurements in terms of L_{eq} , L_{10} , L_{50} , L_{90} , L_{min} and L_{max} . This survey can be conducted with or without AES RBGS in operation.

Response: Attachment DR 26R-1 is Applicant's plan to perform additional ambient noise measurements at two additional locations, one northeast of the plant and one southeast of the plant. It is anticipated that monitoring data will be available in Summer 2014.

27. Deleted.

28R. Please perform, either the 25-hour continuous ambient noise measurements, or a set of shorter-term ambient noise measurements, at or near the residential areas in Redondo Beach east of North Catalina Avenue bounded by Beryl Street, North Elena Avenue, and North Broadway (AFC Figure 2.1-1) and provide the results in terms of L_{eq} , L_{10} , L_{50} , L_{90} , L_{min} and L_{max} . The shorter-term measurement alternative must consist of one set of continuous measurements from 10 p.m. to 7 a.m. and two 15-minute (at the minimum) daytime measurements, taken once in mid-late morning and another in early-late afternoon. This survey can be conducted with or without AES RBGS in operation.

Response: Please see our response to Data Request #26R.

Attachment DR 26R-1
RBEP Supplemental Noise Monitoring Plan

Redondo Beach Energy Project Supplemental Noise Monitoring Plan

PREPARED FOR: Stephen O’Kane/AES
 COPY TO: Sarah Madams/CH2M HILL
 Jerry Salamy/CH2M HILL
 PREPARED BY: Mark Bastasch, P.E., INCE/CH2M HILL
 DATE: February 3, 2014

Additional ambient noise monitoring is being requested by CEC Staff in Data Requests 26R – 28R, at a location north and at a location east of the site. To complete this activity, the Applicant proposes to install an American National Standards Institute (ANSI) S1.4 Type 1 (precision) sound level meter at each of two monitoring locations. The sound level meters will be field calibrated before and after the survey and will have been factory calibrated within the previous 12 months prior to this monitoring effort.

The goal of the monitoring is to document the existing ambient sound levels when the Redondo Beach Generating Station is operating. The monitoring will consist of either 25-hour continuous measurements or, alternatively, a set of shorter-term measurements. If necessary, shorter-term surveys will consist of one set of continuous unattended measurements from 10 p.m. to 7 a.m. and two 15-minute daytime measurements, taken once in mid-late morning and another in the afternoon. It is anticipated that A-weighted 10 to 15-minute statistical (L_{eq} , L_{10} , L_{50} , L_{90} , L_{min} and L_{max}) sound levels will be collected at both monitoring locations.

Table 1 and Figure 1 identify the selected monitoring locations. These locations are located proximate to residential areas identified by CEC Staff and provide a secure location that can be accessed with minimal advance coordination.





TABLE 1
Supplemental Noise Monitoring Locations

Map ID	Location Description	Address
M3	Business Office	201 Herondo St, Redondo Beach
M4	Retail Shop	504 N. Broadway, Redondo Beach



Source: Department of Public Works Water Resources Division (2004).
 Esri, i-cubed, USDA, USGS, AEX, GeoEye, Getmapping, Aerogrid, IGN, IGP, and the GIS User Community

Legend

-  AFC Noise Monitoring Locations
-  Proposed Noise Monitoring Locations
-  AES Redondo Beach Energy Project
-  City Boundary

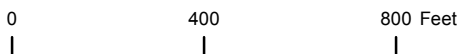


FIGURE 1
Noise Monitoring Locations
 AES Redondo Beach Energy Project
 Redondo Beach, California