

DOCKETED

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Description:	Redondo Beach Energy Project Data Request Set 1C 26R-28R-REVISED
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Submitter Role:	Applicant Consultant
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May 22, 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 –Revised 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 revised responses to Data Requests 26R-28R. This Data Response Set was prepared in response to California Energy Commission Staff Data Request 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 Revision 2)

Submitted to
California Energy Commission

Prepared by
AES Southland Development, LLC

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May 22, 2014

Contents

Section	Page
Contents	ii
Introduction.....	1
Noise (26R–28R)	2

Figures

Figure DR 26-1 Noise Monitoring Locations

Introduction

Attached are AES Southland Development, LLC's (AES-SLD or the Applicant) updated 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).

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 26 would be numbered Table DR26-1. The first figure used in response to Data Request 28 would be Figure DR28-1, 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 (26R–28R)

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 and that the data in the AFC do not appropriately represent the residential communities to the north and east of the project.

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.

Revised Response:

On April 7 and 8, 2014, the Applicant performed ambient noise measurements at the following locations: (1) near the residential areas in Hermosa Beach located north of the Redondo Beach Generating Station (M3), and (2) at 504 N. Broadway in Redondo Beach, immediately east of the project site (M4). These locations are described and depicted in Table DR26-1 and Figure DR26-1.

TABLE DR26-1

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

Tables DR 26-2 and DR 26-3 present the measured levels during the early-late afternoon and mid-late afternoon periods at M3 and M4. Table DR 26-4 present the measured levels for the nighttime periods (10 p.m. to 7 a.m.) on April 7, 2014 at M3 and M4.

TABLE DR26-2

AES RBEP Sound Measurement Data (dBA)*Early-late afternoon of: Monday, April 07, 2014*

Period start	M3						M4					
	Leq	L10	L50	L90	Lmin	Lmax	Leq	L10	L50	L90	Lmin	Lmax
14:30	63	68	59	53	51	76	58	60	57	53	49	75
14:45	64	68	61	54	52	74	59	61	56	52	50	73
15:00	63	67	60	53	50	74	57	60	55	51	48	72
15:15	69	68	60	53	50	93	58	61	56	52	49	68

TABLE DR26-3

AES RBEP Sound Measurement Data (dBA)*Mid-late morning of: Tuesday, April 08, 2014*

Period start	M3						M4					
	Leq	L10	L50	L90	Lmin	Lmax	Leq	L10	L50	L90	Lmin	Lmax
9:30	63	66	59	53	51	76	59	62	56	52	47	74
9:45	63	66	59	53	51	80	58	61	56	53	50	69
10:00	63	68	60	53	50	73	59	61	58	54	48	71
10:15	63	67	60	52	51	75	60	62	58	55	54	76

TABLE DR26-4
AES RBEP Sound Measurement Data (dBA)
Night of: Monday, April 07, 2014

Period start	M3						M4					
	Leq	L10	L50	L90	Lmin	Lmax	Leq	L10	L50	L90	Lmin	Lmax
22:00	61	63	54	51	49	85	59	56	50	46	43	86
23:00	58	61	52	50	49	77	52	54	48	44	42	71
0:00	55	57	50	48	46	73	49	51	44	43	42	64
1:00	53	53	50	49	48	69	46	48	42	41	40	62
2:00	53	52	50	49	48	71	44	46	42	41	40	60
3:00	53	52	50	49	48	74	45	46	42	42	41	64
4:00	55	57	52	50	49	76	49	50	44	43	42	66
5:00	59	62	55	53	51	76	53	56	49	45	43	69
6:00	61	64	57	54	52	81	56	60	54	50	47	72
7:00	62	66	59	55	53	76	58	62	56	52	49	69

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 response to Data Request #26R. Ambient noise measurements were performed at 504 N. Broadway in Redondo Beach, immediately east of the project site (M4).



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
-  Supplemental Noise Monitoring Locations
-  AES Redondo Beach Energy Project
-  City Boundary

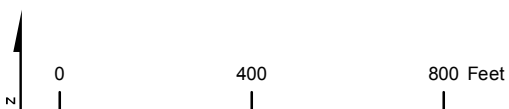


FIGURE DR26-1
Noise Monitoring Locations
 AES Redondo Beach Energy Project
 Redondo Beach, California