

DOCKETED

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TN #:	201924
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Description:	N/A
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March 26, 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 4 – Responses to CEC Staff Data Requests 72

Dear Ms. Kelly:

Attached please find the Redondo Beach Energy Project's Data Response Set 4, including responses to Data Request 72. This Data Response Set was prepared in response to California Energy Commission Staff Data Request 72 for the Application for Certification for the Redondo Beach Energy Project (12-AFC-03) dated February 24, 2014.

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 Responses, Set 4

(Responses to Data Request 72)

Submitted to
California Energy Commission

Prepared by
AES Southland Development, LLC

With Assistance from

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March 26, 2014

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Introduction

Attached are AES Southland Development, LLC's (AES or the Applicant) responses to the California Energy Commission (CEC) Data Request, Set 4 regarding the Redondo Beach Energy Project (RBEP) (12-AFC-03) Application for Certification (AFC). This submittal includes updated responses to the following data request: 72.

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.

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 72 would be numbered Table DR72-1. The first figure used in response to Data Request 72 would be Figure DR72-1, and so on. Figures or tables from the RBEP AFC that have been revised have "R1" following the original number, indicating revision 1.

Additional tables, figures, or documents submitted in response to a data request (for example, supporting data, stand-alone 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 (72)

BACKGROUND

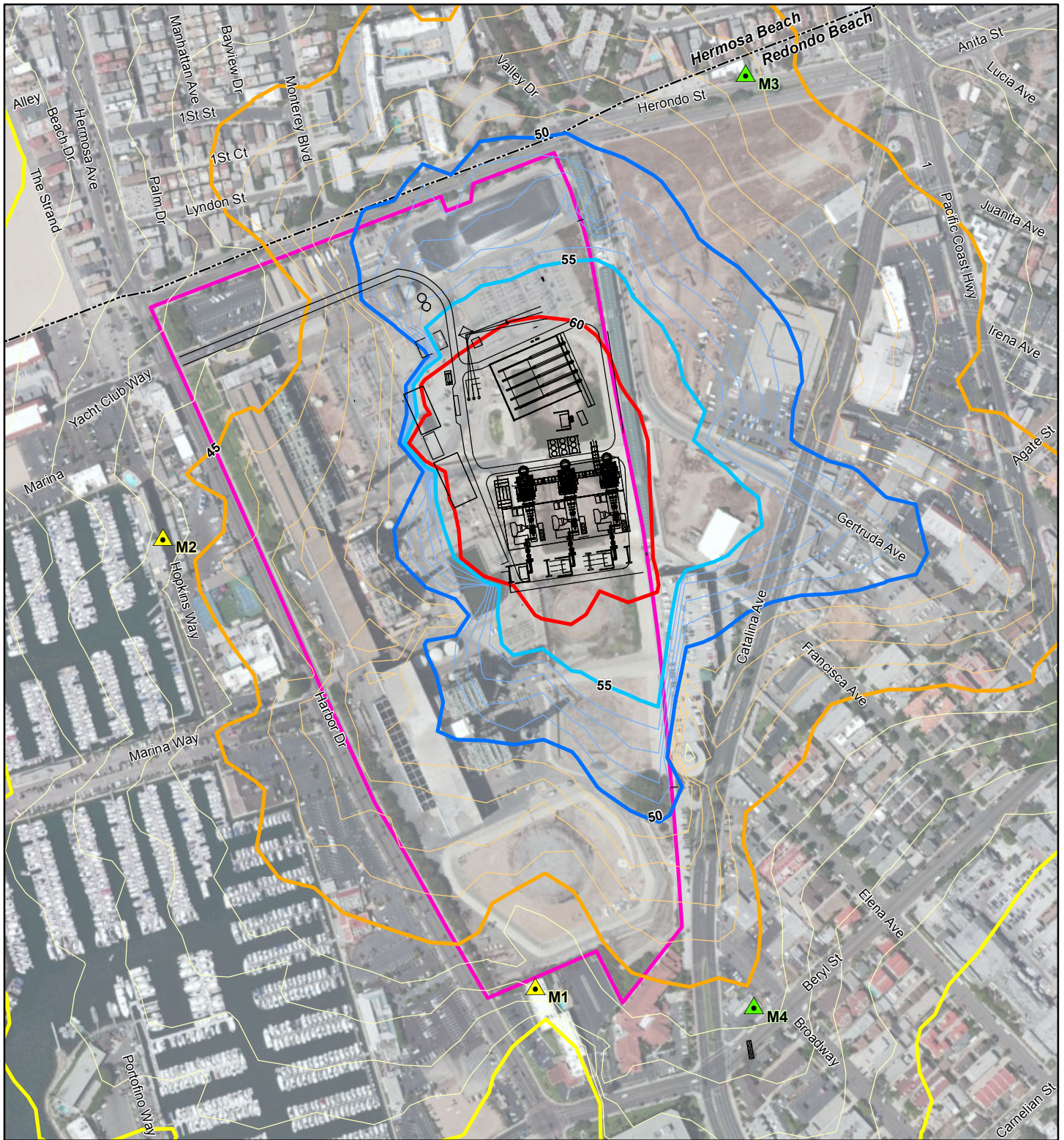
Staff requested in Data Requests 26R and 28R (TN No. 201267 dates 11/20/2013) that the applicant perform additional noise monitoring at northerly and easterly locations of the project site in order to more precisely establish the existing ambient noise levels at the residences located north and east of the project site. On February 3, 2014, the applicant responded in their Data Response Set 1C (TN No. 201628) that they would perform additional long-term monitoring at locations on Herondo Street equidistant between North Francesca Avenue and the Pacific Coast Highway (PCH) and that the intersection of Beryl Street and North Broadway. These locations are consistent with those described in Data Requests 26 R and 28R; they are labeled M3 and M4 (see Data Response Set 1C, TN No. 201628). In addition to this ambient noise monitoring data, staff needs to know the expected operational noise levels from the proposed project alone at M3 and M4 in order to fully analyze the project's noise impact at these locations.

DATA REQUEST

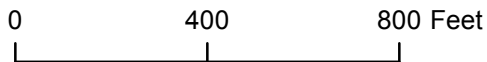
72. Please provide a sound level contour map that shows the expected operational noise levels from the proposed project alone at receptors M3 and M4.

Response: Figure DR72-1 identifies the expected noise level contours from the Redondo Beach Energy Project, based on current knowledge of the types, locations, and source levels of the equipment to be used during operations. The figure also shows the locations of the four noise monitoring locations. Noise levels at M1 and M2 were measured in 2011. Noise levels at M3 and M4 are currently being measured. The noise level contours in Figure DR72-1 represents only the noise from the RBEP and do not include non-RBEP noise or the barrier effect of buildings offsite. Therefore, the estimated noise levels for receptors farther away from the first row of buildings depicted in Figure DR 72-1 are conservatively high.

It should be noted that the contours in Figure DR72-1 represent the best estimate based on current information. The final design will incorporate all noise control measures required to ensure compliance with the applicable LORS.



Source: Department of Public Works's 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

- Estimated Sound Level Contours (dBA)**
- 40
 - 45
 - 50
 - 55
 - 60

Figure DR 72-1
Noise Model Results –
Estimated RBEP Noise Level
Contours (Existing Ambient
Noise not included)
 AES Redondo Beach Energy Project
 Redondo Beach, California