Appendix 5.2D
Agency Consultation—Biological Resources

CH2MHILL PERSONAL COMMUNICATION RECORD

Personal Communication To: Kelly Schmoker, California Department of Fish and Game (CDFG)

Personal Communication From: Melissa Fowler, CH2M HILL

Date: August 9, 2012

Time: 11:39 AM

Subject: AES Redondo Beach Energy Project (RBEP)

This call was made for an initial consultation with CDFG regarding the proposed RBEP to determine if the agency had any special concerns about the project or if they needed any additional information for determining impacts. Kelly stated their concerns would be those typical to projects, which including surveying for nesting birds and bats before initiating any demolition or construction activities. In addition, I requested that Kelly send CH2M HILL a follow-up email regarding the conversation we had, so we could further document any concerns the agency has.

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From:	Fowler, Melissa/SCO
To:	"TDICKERSON@dfg.ca.gov"; "KSchmoker@dfg.ca.gov"
Cc:	Madams, Sarah/SAC; Brandt, Jessica/SAC; Madon, Sharook/SDO
Subject:	AES Redondo Beach Energy Project
Date:	Tuesday, July 03, 2012 10:28:00 AM
Attachments:	AES_RedondoBeachEnergyProject.pdf AES_RBEP_ProjectMaps.pdf

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We would like to initiate consultation with your agency to discuss the proposed Redondo Beach Energy Project (RBEP). The project's objectives and basic project description are include below for your review.

RBEP is a natural gas-fired, combined-cycle and air cooled electrical generating facility rated at a nominal generating capacity of 495 megawatts (MW) that will replace, and be constructed on the existing site of the AES Redondo Beach Generating Station. The following are the objectives for redevelopment:

- Help California achieve its clean energy and environmental goals
- Build a modernized power plant that will be smaller and reduce visual impacts, more efficient by producing more energy for the same amount of fuel, environmentally superior because it will be quieter, cleaner and eliminate the use of ocean water, and will continue to provide critical electrical grid support.
- The RBEP will operate to meet intermediate and peak demand, support renewable resources (like wind and solar), provide a local support of electricity, and help minimize consumer costs.
- RBEP would eliminate the use of ocean water at the existing power plant and air cooled condensers would be used instead.

In the attached PowerPoint file, we included two simulations of the proposed RBEP. The "landscaping" included in the second simulation is purely conceptual. There has been no decision or proposal made regarding perimeter landscaping or planting.

Rebuilding the RBEP in the existing site results in the lowest GHG and air emissions for the electrical grid, as well as demands on water, land, etc., because of how the electrical grid has evolved over the decades since the original plant was built. The electrical infrastructure of Los Angeles County has grown around the Redondo Beach plant and it is not possible to move the existing large generator at the end of a major transmission line.

Please let us know if you need additional information and when we could schedule a meeting to receive your consultation.

Thank you very much for your time.

Best regards,

Melissa Fowler, M.S.
Biologist
Environmental Services

CH2M HILL
6 Hutton Centre Drive, Suite 700
Santa Ana, CA 92707
Office 714.435.6262
Mobile 714.768.1173
www.ch2mhill.com

From:	Fowler, Melissa/SCO
To:	"Jonathan_D_Snyder@fws.gov"
Cc:	Madams, Sarah/SAC; Brandt, Jessica/SAC; Madon, Sharook/SDO
Subject:	AES Redondo Beach Energy Project
Date:	Tuesday, July 03, 2012 10:26:00 AM
Attachments:	AES_RedondoBeachEnergyProject.pdf AES_RBEP_ProjectMaps.pdf

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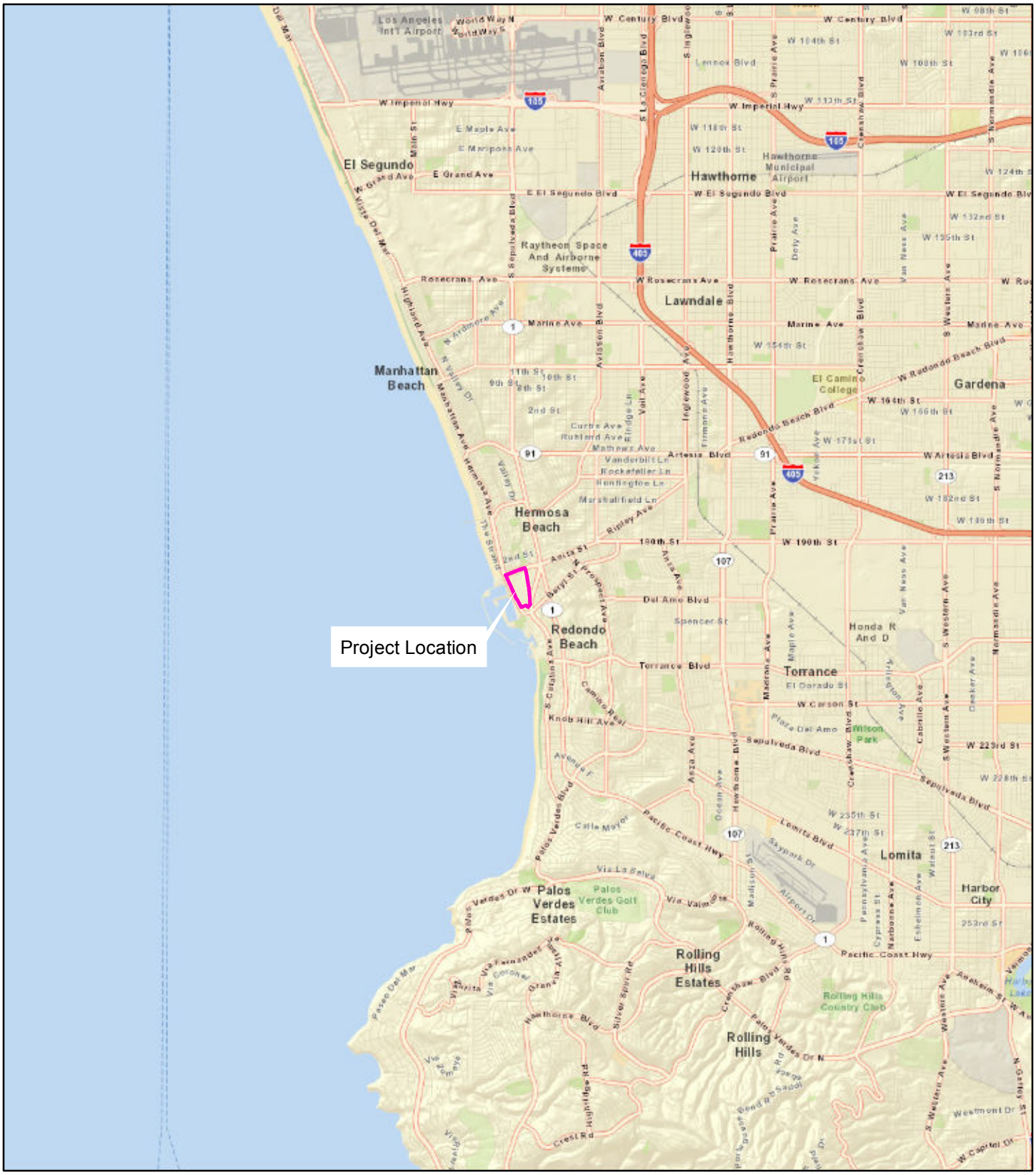

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Legend

Redondo Beach Energy Project

FIGURE 1.1-2
Regional Location Map
AES Redondo Beach Energy Project
Redondo Beach, CA

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Legend

Redondo Beach Energy Project

Parking and Laydown Area

FIGURE 1.1-3
Site Location Map
AES Redondo Beach Energy Project
Redondo Beach, CA

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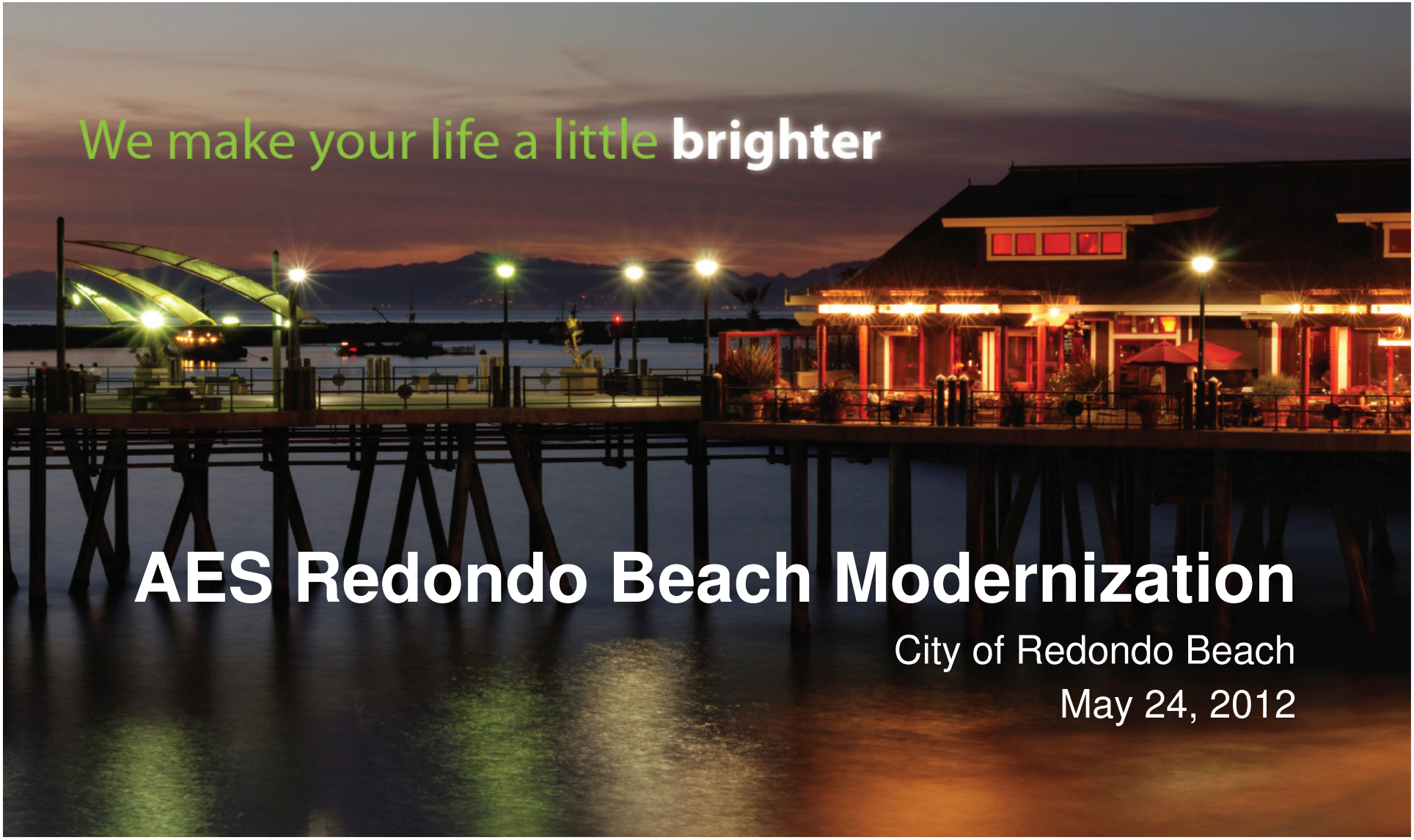


AES Redondo Beach Modernization

City of Redondo Beach

May 24, 2012

AES
Redondo Beach

Project Design Objectives

AES Redondo Beach

A More Compatible and Reliable Plant

- Smaller, lower and modernized
- At least 30% more efficient (50% more efficient at intermediate loads)
- Eliminate the use of ocean water
- Reduce fresh water consumption

Integral to California's Clean Energy Future

- More flexible with faster start up times and ramp speed
- Enable more renewable generation (solar and wind)
- Help meet future demand for electricity and support conversion to electric powered transportation.
- Lower emissions rates, cleaner electricity production, more efficient location

Employ Best Available Technology

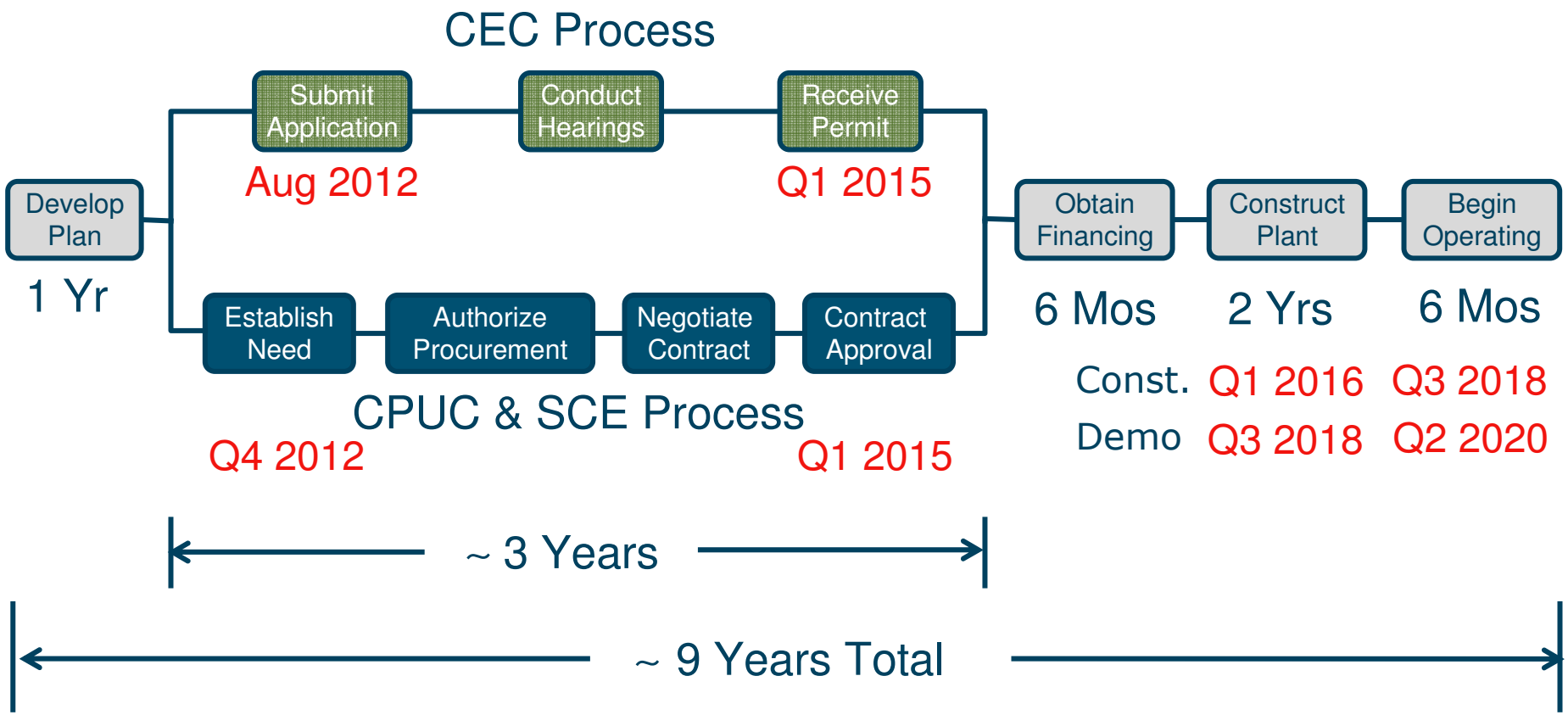
- Air emissions
- Water resources
- Noise

Consistent with Local Laws, Ordinances and Regulations

Project Components

- 3-on-1 Combined Cycle Gas Turbine (CCGT) power block
- Maximum 529 MW, nominal 495 MW
- Air cooled condenser, no cooling tower, no ocean water
- New gas metering and compression facilities
- Removal of the existing boilers, stacks and buildings
- No new offsite components. Entire project constructed within existing 50 acre RBGS site
- Continue to use City of Redondo Beach sewer connections
- 4 1/2 year total development schedule (construction and demolition)
- Construction parking and laydown area contained within existing site

Steps and Timeline



From: Christine_Medak@fws.gov
To: Fowler, Melissa/SCO
Subject: Fw: AES Redondo Beach Energy Project
Date: Friday, October 12, 2012 2:38:28 PM

Melissa,

We have reviewed the information provided regarding the proposed AES Redondo Beach Energy Project. The only federally listed species that occurs in the vicinity of the project is the western snowy plover (*Charadrius alexandrinus nivosus*). Plovers roost/forage along Hermosa Beach in the winter months. We do not have any additional comments/concerns at this time

Christine L. Medak
Fish and Wildlife Biologist
U.S. Fish and Wildlife Service
6010 Hidden Valley Road
Carlsbad, CA 92011
(760) 431-9440 ext. 298
http://www.fws.gov/carlsbad/

Follow us on Facebook at http://facebook.com/USFWSPacificSouthwest
Follow us on Twitter at http://twitter.com/USFWSPacSWest

"I'd like to offer a plug for actually having the natural processes instead of having to simulate them."
— Nadav Nur, PRBO Conservation Science

----- Forwarded by Christine Medak/CFWO/R1/FWS/DOI on 10/12/2012 02:30 PM -----

Jonathan D Snyder/CFWO/R1/FWS/DOI

08/07/2012 09:47 AM

To <Melissa.Fowler@CH2M.com>
cc Sarah.Madams@CH2M.com, Sharook.Madon@CH2M.com, Christine Medak/CFWO/R1/FWS/DOI@FWS
Subject RE: AES Redondo Beach Energy Project

Hi Melissa,
Thank you for your coordination on this project. I've provided the background information on the project to Chris Medak (cc'd on this e-mail; (760) 431-9440 x298); please coordinate with her to see if she has any specific based on the material you've provided.
Sincerely,
Jonathan

_____
Jonathan Snyder
U.S. Fish and Wildlife Service
6010 Hidden Valley Road, Suite 101
Carlsbad, CA 92011
(760) 431-9440 x307
jonathan_d_snyder@fws.gov
<Melissa.Fowler@CH2M.com>

<Melissa.Fowler@CH2M.com>

08/07/2012 05:52 AM

To<jonathan_d_snyder@fws.gov>
cc<Sharook.Madon@CH2M.com>, <Sarah.Madams@CH2M.com>
SubjectRE: AES Redondo Beach Energy Project

Jonathan,

We wanted to follow-up to see if you had any additional questions or information requests about the proposed Redondo Beach Energy Project. Please let me know if I can provide any further assistance.

Thank you for your time.

Best regards,
Melissa

From: Fowler, Melissa/SCO
Sent: Tuesday, July 03, 2012 10:26 AM
To: 'Jonathan_D_Snyder@fws.gov'
Cc: Madams, Sarah/SAC; Brandt, Jessica/SAC; Madon, Sharook/SDO
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