

## DOCKETED

<b>Docket Number:</b>	12-AFC-02
<b>Project Title:</b>	Huntington Beach Energy Project
<b>TN #:</b>	202608
<b>Document Title:</b>	Declaration of Sarah Madams in Support of Applicant's Opening Testimony
<b>Description:</b>	Declaration
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Declaration of  
**SARAH MADAMS**  
Huntington Beach Energy Project  
(12-AFC-02)

I, Sarah Madams, declare as follows:

1. I am presently employed by CH2M Hill, Inc. under contract with AES Southland Development, LLC to provide environmental consulting services for the Huntington Beach Energy Project (“HBEP”).
2. A copy of my professional qualifications and experience is attached hereto as Exhibit A and incorporated by reference herein.
3. I caused to be prepared or prepared information related to **Hazardous Materials Handling, Waste Management, and Worker Safety and Fire Protection** in support of the Application for Certification (“AFC”) for HBEP. Such information was either provided by me to consultants for incorporation of such data into documents or based on my independent analysis of data from reliable documents and sources, as well as my professional experience and knowledge. Specifically, I prepared or caused to be prepared the following:
  - a. Application for Certification, Sections 5.5, 5.14, 5.16 and related Appendices, dated and docketed June 27, 2012 (TN #66003).
  - b. Offsite Consequence Analysis for the HBEP, dated August 27, 2013 and docketed August 28, 2013 (TN #200363).
  - c. Responses to Staff’s Data Requests, Set 1A (#69-72), docketed November 2, 2012 TN #68366).
  - d. Applicant’s Comments on PSA, Part A (specific to Waste Management) dated and docketed November 7, 2013 (TN #201142).
  - e. Applicant’s Follow-Up to PSA Part A Workshop (Worker Safety and Fire Protection section) dated and docketed December 13, 2013 (TN #201437).
  - f. Applicant’s Opening Testimony (docketed with Applicant’s Opening Testimony on June 30, 2014 (TN # TBD)).
4. It is my professional opinion that the information provided to the California Energy Commission related to the HBEP AFC proceeding is valid and accurate with respect to the issues addressed herein.
5. I am personally familiar with the facts and conclusions related in the testimony with respect to the issues addressed herein.

I declare under penalty of perjury that the foregoing is true and correct to the best of my knowledge and belief.

June 25, 2014

\_\_\_\_\_  
Date



\_\_\_\_\_  
Sarah Madams

**EXHIBIT A**

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## Sarah Madams

Regulatory Compliance Specialist, Project Manager

### Education

B.S., Environmental Toxicology

### Relevant Experience

Ms. Madams has more than 16 years of professional experience including project management, regulatory compliance, permitting, public involvement/community relations, data collection and analysis, database management, compliance audits, document preparation, and technical writing. Ms. Madams has been the Deputy Project Manager for several power plant licensing projects performed by CH2M HILL, as well as the Project Manager for two natural-gas-fired power plants that are now operational. Her expertise includes working with multidisciplinary teams to assess the environmental impacts of power plant projects on the environment. These assessments include impacts to air, biological and cultural resources, land uses, noise, socioeconomics, public health, water and visual resources, soils and geology, and paleontology.

### Representative Projects

**Project Manager, Redondo Beach Energy Project, Redondo Beach, California.** Managed the preparation of the Redondo Beach Energy Project AFC for a 546-MW combined cycle repower of the existing Redondo Beach Generating Station located in a densely populated area of Redondo Beach, CA. The project is actively opposed by several public groups and the City of Redondo Beach. Managed a multidisciplinary team of scientists, planners, and engineers in preparing and filing the license application. The project is currently in the discovery phase with the California Energy Commission. Coordinated biological, cultural, paleontological, visual and noise surveys of the project area. Attended public workshops and hearings.

**Task Lead, Huntington Beach Energy Project, Huntington Beach, California.** Managed the preparation of the Hazardous Materials, Waste Management, and Worker Health & Safety sections of an AFC for a 1,185MW combined cycle repower of the existing Huntington Beach Generating Station located in Huntington Beach, CA. Tasks included response to state and local agency comments, preparation of offsite consequence analysis, and review of historic contamination at site.

**Deputy Project Manager; Application for Certification; Alamitos Energy Center; AES Southland Development LLC; Long Beach, California.** Deputy project manager for the licensing for a 1,950-MW combined cycle repower of the existing Alamitos Beach Generating Station located in Long Beach, CA. The project includes a 1,000-foot-long pipeline. Assisted with managing a team of planners and scientists preparing documents in support of the California Energy Commission Application for Certification. Addressed multidisciplinary issues received from state and local agencies.

**Project Manager; Almond 2 Power Plant; Pacific Gas and Electric Company; Stanislaus County, California.** Project Manager for the licensing and construction of this 174-megawatt simple-cycle power plant, including the construction and permitting of an 11.6-mile-long Pacific Gas and Electric Company natural gas pipeline, and 2.9-mile-long rerated transmission line. Managed a multidisciplinary team of scientists, planners, and engineers in preparing and filing the license application before the California Energy Commission and preconstruction and construction compliance documents including biological, cultural, paleontological, worker safety, stormwater, water resources, and waste management. Coordinated efforts between CEC project management, local and state agencies and CH2M HILL staff. The plant is currently in operation.

**Project Manager; Lodi Energy Center; Northern California Power Agency; San Joaquin County, California.** Project Manager for the licensing and construction of this 255-megawatt combined-cycle power plant including a 1.6-mile-long natural gas pipeline. Managed a multidisciplinary team of scientists, planners, and engineers in preparing and filing the license application and preconstruction and construction compliance

# Sarah Madams

documents before the California Energy Commission. The plant is currently in the final stages of construction and will be operational by fourth quarter 2012.

**Deputy Project Manager; Russell City Energy Center Amendment; Calpine; Alameda County, California.**

Deputy Project Manager for the Application for Certification before the California Energy Commission for a 600-megawatt power plant. Prepared and provided written testimony for the waste management, alternatives, worker health and safety and hazardous waste sections of the Application for Certification. Coordinated biological and cultural surveys of the project area. Addressed multidisciplinary issues received from state and local agencies. Attended public workshops and hearings. The plant is currently in construction.

**AFC for AES Highgrove Power Plant.** Project Coordinator for the AFC for a 100-MW power plant. She reviewed applications, coordinated multidisciplinary data requests and responses, and served as liaison and coordinated efforts between CEC project management and staff.

**Project Manager; Los Esteros Critical Energy Facility, Phase 2 Construction Calpine, San Jose, California.**

Project Manager for 180-megawatt conversion to combined cycle. The project required the preparation of numerous studies and documents to satisfy California Energy Commission Conditions of Certification. These studies/documents included the preparation of archaeological and paleontological survey reports, and biological resource protection permits. Assisted with the development and implementation of biological, cultural, and paleontological resource monitoring programs; risk management plan; and traffic and transportation management plan. The plant is currently in construction.

**Application for Certification, San Francisco Electric Reliability Project, San Francisco Public Utilities Commission, California.**

Project Coordinator for the AFC for a 145-MW simple-cycle power plant. She reviewed applications, coordinated multidisciplinary data requests and responses, attended public workshops, and prepared a site investigation report for the process water route. Assisted in preparation of Hazardous Materials and Hazardous Waste Sections for the AFC. In addition, she served as liaison and coordinated efforts between CEC project management and staff.

**Application for Certification, Walnut Energy Center, Turlock Irrigation District, California.** Project Coordinator for the AFC for a 250-MW combined cycle power plant. She reviewed applications, coordinated multidisciplinary data requests and responses, and coordinated efforts between CEC project management and CH2M HILL staff. Ms. Madams assisted with the development of the security plan and emergency response plan.

**Project Manager; Pahnamid Wind Energy Project; Confidential Client; Kern County, California.** Project manager for the environmental permitting and California Environmental Quality Act and National Environmental Policy Act processes for a 411-megawatt wind power project adjacent to the Tehachapi wind resource area. Project included conducting paleontological, cultural and biological resources surveys, evaluating potential project impacts and identifying mitigation measures through consultations with local, state and federal agencies including Kern County, California Department of Fish and Game and the U.S. Fish and Wildlife Service.

**Deputy Project Manager; Rice Solar Energy Project Licensing and Preconstruction Compliance;**

**SolarReserve, LLC; Riverside County, California.** Deputy project manager for licensing and preconstruction compliance for a 150-megawatt concentrating solar energy project featuring a mirror field of 17,500 heliostats, solar receiver tower, and integral thermal storage using a liquefied salt mixture. The project design includes a 1,410-acre project site, air-cooled condenser, steam turbine generator, hot and warm salt storage tanks, and 9.2-mile-long 230-kilovolt transmission line. Assisted with managing a team of planners and scientists preparing documents in support of the California Energy Commission Application for Certification. Managed preparation of preconstruction compliance documents under review by the CEC and other agencies, including Bureau of Land Management, Western Area Power Administration, U.S. Fish and Wildlife Service, California Department of Fish and Game, and other agencies.