

DOCKETED

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Project Title:	Huntington Beach Energy Project - Compliance
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Document Title:	Declaration of Melissa Fowler in Support of Project Owner's Opening Testimony
Description:	Declaration of Melissa Fowler in Support of Project Owner's Opening Testimony (Biological Resources)
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**Declaration of
MELISSA FOWLER
Huntington Beach Energy Project
(12-AFC-02C)**

I, **Melissa Fowler**, declare as follows:

1. I am presently employed by Butier Engineering, Inc., under contract with AES Huntington Beach Energy, 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 **Attachment A** and incorporated by reference herein.
3. I prepared or caused to be prepared information related to **Biological Resources** and other general topics, as identified below, in support of the Petition to Amend for HBEP. Such information was either provided by me to consultants for incorporation of such data into documents or was 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. Petition to Amend, Section 5.2 (Biological Resources) and the related Appendices (TN# 206087), docketed September 9, 2015
 - b. Project Owner’s Response to Comment Letter of Huntington Beach Wetlands Conservancy (TN# 211411), docketed May 9, 2016
 - c. Project Owner’s Comments on the Preliminary Staff Assessment (TN# 212379), docketed July 21, 2016
 - d. Project Owner’s Additional Response to Coastal Commission Comments (TN# 213478), docketed September 2, 2016
4. It is my professional opinion that the information provided to the California Energy Commission related to the HBEP’s Petition to Amend 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 presented by me and, if called as a witness, could testify competently thereto.

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

Dated: 10/24/2016


Melissa Fowler

Melissa Fowler

Small Mammal Ecologist/Wildlife Biologist

Education

M.S., Environmental Studies, Emphasis: Environmental Science, California State University, Fullerton, 2010

B.S., Biological Science, California State University, Fullerton, 2005

A.A., Liberal Studies, Fullerton College, Fullerton, 2001

Distinguishing Qualifications

- More than 10 years of experience conducting wildlife studies
- Experience conducting botanical surveys, wildlife surveys, habitat assessments, vegetation mapping, biological monitoring, rare plant surveys (primarily in the Mojave Desert), re-vegetation monitoring and wetland delineations

Relevant Experience

Ms. specializes in small mammal ecology, particularly desert species, and wildlife biology. She has more than 12 years of experience conducting a variety of wildlife studies in a range of California habitats, including aquatic (freshwater and marine) and terrestrial ecosystems, and has worked with a wide range of species that include large carnivores, small mammals, raptors and other avian species, reptiles, marine fishes and aquatic macroinvertebrates. Ms. Fowler has conducted a variety of surveys for commercial projects including botanical surveys, wildlife surveys, habitat assessments, vegetation mapping, biological monitoring, rare plant surveys (primarily in the Mojave Desert), re-vegetation monitoring and wetland delineations. She has a scientific collecting permit for mammals and reptiles in Kern, Los Angeles, Riverside and San Bernardino Counties and the coast horned lizard in Region 5 (SC-11611).

Representative Projects and Dates of Involvement

Biologist, AES Southland Development, Alamitos Energy Center (AEC), Los Angeles County, California. Prepared the biological resources section for an Application for Certification (AFC) for a natural gas-fired power plant, coordinated with resource agencies and conducted site reconnaissance survey.

Biologist, AES Southland Development, Redondo Beach Energy Project (RBEP), Los Angeles County, California. Prepared the biological resources section for an AFC for a natural gas-fired power plant, coordinated with resource agencies and conducted site reconnaissance survey. Responded to California Energy Commission (CEC) data requests and comments; participated in agency site tour.

Biologist, AES Southland Development, Huntington Beach Energy Project (HBEP), Orange County, California. Assisted with the preparation of the biological resources section for an AFC for a natural gas-fired power plant, coordinated with resource agencies, conducted initial site visit and supplemental botanical and wildlife survey, technical representative for public workshops, and responded to CEC data requests and comments.

Biologist; North Sky River Wind Energy Project; NextEra; Kern County, California. Conducted rare plants surveys along a transmission line corridor. Attended county planning meeting and participated in the renewable energy forum, which included multiple stakeholders. Assisted with biological monitoring during the construction phase.

Biologist; Confidential Client; Los Angeles County, California. Prepared the biological resources section for an Application for Certification (AFC), coordinated with resource agencies and conducted site reconnaissance survey.

Melissa Fowler

Biologist; Confidential Client; Saudi Arabia. Prepared baseline sections for terrestrial biological resources and marine ecology, impact assessments, and mitigation sections for an Environmental Impact Assessment (EIA) for a chemical plant.

Biologist; Union Pacific Railroad; Imperial County, California. Conducted preconstruction clearance surveys for burrowing owls, habitat assessments and construction monitoring for desert pupfish.

Biologist; Terra-Gen Power, LLC; Kern County, California. Supported multiple projects by conducting wetland delineations, habitat assessments, vegetation mapping, condor monitoring and multiple wildlife surveys, desert tortoise and Mohave ground squirrel monitoring, geotechnical escorting, potholing monitoring, assisted with protocol southwestern willow flycatcher surveys, supported project permitting, including multiple LSAs and Section 401 Waste Discharge Requirements (WDR), and prepared technical memos.

Biologist; Confidential Client; San Bernardino County; California and Mohave County, Arizona Assisted with wetland delineations and vegetation mapping for the updated project boundary.

Biologist; Confidential Client; Orange County, California. Assisted with the preparation of the biological resources section for an Application for Certification (AFC), coordinated with resource agencies, conducted initial site visit and supplemental botanical and wildlife survey, and responded to California Energy Commission (CEC) comments.

Biologist; Confidential Solar Energy Client; Kern County, California. Conducted raptor migration and raptor landscape use surveys throughout the proposed wind energy site.

Biologist; Confidential Client; Iraq. Prepared baseline ecology, impact assessment, and mitigation sections for an Environmental and Social Impact Assessment (ESIA) for a water treatment plant. Ecology baseline included terrestrial and wetland habitats.

Biologist; Confidential Wind Energy Client; San Bernardino County, California. Conducted delineation surveys of ephemeral washes for a potential mitigation site in the Mojave Desert. Prepared report for delineation surveys and analyzed the suitability of confidential location as a mitigation site for a solar project.

Biologist; San Timoteo Canyon Derailment; Union Pacific Railroad; Riverside County, California. Conducted re-vegetation monitoring of site restoration activities for derailment affected areas, replanting of native vegetation and establishment of weed management areas were conducted in accordance with U.S. Army Corps of Engineers (USACE) (USACE #2006-01654-JPL) and State Water Resources Control Board (State Water Board) (WDID #836C343929) requirements. Prepared annual re-vegetation monitoring report.

Biologist; Confidential Solar Energy Client; Inyo County, California. Prepared the Clean Water Act (CWA) Section 401 Water Quality Certification (WQC) for the Colorado River Basin Regional Water Quality Control Board (RWQCB).

Biologist; Confidential Wind Energy Client; Riverside County, California. Prepared application packages for a proposed wind energy project for a Lake and Streambed Alteration (LSA) Notification for California Department of Fish and Game (CDFG) and the CWA Section 401 WQC for the Colorado River Basin RWQCB.

Biologist; Confidential Solar Energy Client; Riverside County, California. Prepared the Evaporation Pond Plan and assisted with preparing the Biological Resources Mitigation Implementation and Monitoring Plan.

Biologist; TID Almond 2 Power Plant; Turlock Irrigation District; Stanislaus County, California.

Conducted construction and dewatering monitoring for the giant garter snake within areas of suitable habitat.

Biologist; Confidential Solar Energy Client; Imperial County, California; 2011. Prepared and revised

avian and bat protection plans for two proposed solar farms in Imperial County, California.