

Memorandum

Date: January 5, 2009
Telephone: (916) 654-4679

To: Commissioner Jeffrey Byron, Presiding Member
Commissioner James D. Boyd, Associate Member

From: California Energy Commission – John Kessler, Project Manager
1516 Ninth Street
Sacramento, CA 95814-5512

DOCKET	
07-AFC-5	
DATE	<u>01/05/10</u>
RECD.	<u>01/05/10</u>

Subject: **STAFF’S SUPPLEMENTAL TESTIMONY –
DECLARATIONS OF JAMES JEWELL AND SCOTT FLINT
IVANPAH SOLAR ELECTRIC GENERATING SYSTEM (07-AFC-5)
Exhibit 306**

Energy Commission staff is providing declarations and resumes for the following witness and agency representative:

James Jewell – Traffic and Transportation – Mr. Jewell’s declaration and resume were not available at the time the FSA/DEIS was published due to his extended travel out of the country.

Scott Flint of California Department of Fish and Game – Biological Resources – Mr. Flint will available to provide comments and to respond to questions regarding CDFG’s permit requirements as reflected in staff’s testimony.

Docket (07-AFC-5)
Webworks
POS

PROOF OF SERVICE (REVISED 11/23/09) FILED WITH
ORIGINAL MAILED FROM SACRAMENTO ON 1/5/10
MS

**DECLARATION OF
Scott Flint**

I, **Scott Flint**, declare as follows:

1. I am presently the Renewable Energy Program Manager for California Department of Fish and Game (CDFG) and routinely provide environmental technical assistance and CDFG permit requirements to the California Energy Commission for licensing of power plants.
2. A copy of my professional qualifications and experience is attached hereto and incorporated by reference herein.
3. I assisted Staff in the analysis of **Biological Resources** for the **Ivanpah Solar Electric Generating System (ISEGS)**, and am generally familiar with Energy Commission staff's testimony based on my independent analysis of the Application for Certification and supplements hereto, data from reliable documents and sources, and my professional experience and knowledge.
4. It is my professional opinion that the prepared testimony is valid and accurate with respect to the issues addressed therein.
5. I am personally familiar with CDFG's guidance to the Energy Commission 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: January 4, 2010

Signed: 

At: Sacramento, California

SCOTT A. FLINT

Professional Resume

FIELDS OF SPECIALTY:

- Program Administration and Management
- Natural Resource Conservation, Protection and Management
- Environmental Impact Assessment and Mitigation
- Grant Development, Evaluation and Management

WORK EXPERIENCE:

California Department of Fish and Game - Renewable Energy Program Manager, Ecosystem Conservation Division. Environmental Program Manager I (Managerial). December 2008 to Present.

- Plan, direct, and manage the Department's Renewable Energy Support Unit to achieve short- and long-term renewable energy environmental compliance, facility siting, and planning objectives. Identifies statewide opportunities and needs for planning and technical support for renewable energy projects and works closely with industry and partner state, federal, and private organizations to realize these opportunities. Prepares recommendations and proposals to the Deputy Director and senior leadership within partner organizations for maximizing renewable energy project assessment, evaluation, and permitting efficiency. Provides direct oversight of technical programs and conducts quality control and assessment reviews of these programs towards developing efficient and focused teams.
- Lead, advise and oversee the development and implementation of scientifically complex, multi-species Habitat Conservation Plans (HCPs) and CESA Incidental Take Permits (ITPs) for statewide projects, including energy generation and transmission infrastructure.
- Perform, advise and oversee scientific and technical consultations to CEC and project proponents on the interpretation and applicability of DFG Statutes and regulations to ensure consistency and compliance with State environmental laws related to the protection and management of fish, wildlife resources and their habitats. Assess project environmental effects; develop and recommend avoidance and mitigation measures as appropriate, pursuant to CESA, CEQA, F&G Code 1600 and other applicable law.

Acting Branch Chief/Environmental Program Manager I (Supervisory)/Senior Environmental Scientist California Department of Fish and Game, Habitat Conservation Planning Branch, Environmental Review and Permitting Program. December 2000 to December 2008.

- Lead development, evaluation and implementation of policies, goals and objectives, to promote consistent and fair application of laws governing the Department's Environmental Review (CEQA), CESA Permitting, Lake and Streambed Alteration (LSAA), and Timber Harvest Review Programs on a statewide basis. Coordinate team approach to program planning, implementation, and evaluation with Regional Habitat Conservation Program Managers.
- Lead and oversee the development and implementation of scientifically complex, multi-species Habitat Conservation Plans (HCPs) and CESA Incidental Take Permits (ITPs) for statewide projects, including a variety of energy and transportation infrastructure, local agency and private developments.
- Supervise and direct the work of a multidisciplinary staff of up to twelve scientific and administrative professionals (40 staff as acting Branch Chief) with statewide responsibility for environmental management programs regulating private development, local agency public works, transportation infrastructure, and energy generation and transmission projects to ensure appropriate environmental protections and mitigations.

- Develop and manage program budgets, develop budget concepts, legislative proposals, and bill analyses to support and refine program objectives and secure resources for implementation. Secured \$19 million in new funds for projects and staff for various Department programs. Represent Department position and program policy at high level policy meetings, public meetings, presentations and speaking engagements.

Environmental Specialist IV/Senior Biologist Specialist (Wildlife) California Department of Fish and Game, Environmental Services Division, Military Facilities Team. October 1995 to December 2000.

- Collaborate with State and Federal agencies to determine ecological risks to wildlife; conduct independent scientific research, investigations, and surveys to identify wildlife receptors which may be affected by contaminant releases; plan, review, and evaluate Ecological Risk Assessments (ERAs) with regard to impacts on State wildlife resources.
- Review and evaluate final remediation plans for DOD facilities. Identify and quantify potential environmental impacts, develop species and habitat conservation and protection strategies; avoidance, mitigation, and/or compensation measures. Develop, review, and evaluate long-term biological monitoring programs to assess remediation success. Recommend concurrence on alternatives or actions to the Division Chief.
- Provide scientific and technical consultations to DTSC and DOD on the interpretation and applicability of DFG Statutes and regulations to ensure consistency and compliance with State laws related to the protection and management of fish, wildlife resources and their habitats.
- Provide consultation as DFG expert with regard to the protection and conservation of wildlife on DOD facilities at project meetings, interagency work groups, public workshops, and administrative hearings.
- Perform Program Management duties for the Military Facilities Team, including work plan and budget preparation and tracking, grant and contract development, workload assessment and management, and supervision of scientific aid staff.

Associate Wildlife Biologist, California Department of Fish and Game, Natural Heritage Division, Lands and Natural Areas Program. November 1991 to October 1995.

- Perform lead person duties for the natural areas subprogram, including work plan and budget preparation and tracking, project administration, and supervision of scientific staff. Management of Statewide Wetland, Riparian and Vernal Pool Resource Assessment Projects.
- Provide biological expertise and technical assistance to regional staff and local regional planning entities for conservation and mitigation planning activities, such as identification of high priority sites for species protection and habitat mitigation, preserve design, and habitat conservation plan preparation and implementation.
- Develop, review and implement comprehensive plans, policies, and procedures for protection of state-listed threatened and endangered species and their habitats through project mitigation or direct land acquisition.

Environmental Specialist III, State Water Resources Control Board, Division of Water Quality, Basin Planning and Water Quality Units. April 1989 to November 1991.

- Provide technical assistance in the study and review of toxic effects of waterborne pollutants on aquatic biota and the regulatory interpretation of toxicity testing methods. Duties included analysis and interpretation of complex statistical, biological, chemical, and toxicological data.

- Coordinate with federal and State agencies on basin plan amendments, triennial reviews, and the development and implementation of new water quality standards. Formulate staff recommendations, technical reports, and agenda items for State Board action at meetings and public hearings.
- Project Manager for various water quality planning projects. Duties included: Evaluate Project Proposals for funding priority, assist project proponents in the development of comprehensive project work plans, prepare and manage contracts, serve as project technical advisor at technical advisory meetings with federal, State and local government representatives and at public meetings.

Hazardous Materials Specialist Range A/B, California Department of Health Services, Toxic Substances Control Division. June 1987 to April 1989.

- Evaluate and rank potential hazardous waste sites and recommend appropriate actions for protection of human health and the environment. Work involved the assessment of chemical, geological, hydrogeological, meteorological and biological data; land use, planning and demographics information.

EDUCATION:

- **September 1986 to May 1991** -- Completion of 39 Semester units of graduate and upper division courses in a master's degree program (M.Sc.) in Biological Conservation at California State University, Sacramento. Study emphasis in Plant Ecology and Evolution.
- **May 1986** -- Graduation from California State University, Sacramento with a Bachelor of Science (B.Sc.) degree in Biological Science. Concentration in Biological Conservation with study emphasis in resource conservation and management, plant ecology.
- Member: Golden Key National Honor Society

SPECIAL SKILLS:

- Twenty-two (22) years of collaboration on environmental management with stakeholders, NGO's, State, federal, and local agencies. This includes presentations to and interactions with Boards and Commissions, the regulated community, environmental groups, and the general public.
- Fifteen (15) years of experience supervising administrative and scientific staff.
- Twenty-two (22) years of experience with design and analysis of environmental sampling programs and ecological field studies.
- Fifteen (15) years of experience with set-up, use, and maintenance of IBM/compatible personal computer systems. Proficient in use of word processing, database, spreadsheet, and ArcView GIS software.

CONTACT INFORMATION:

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DECLARATION OF
JAMES EARL JEWELL

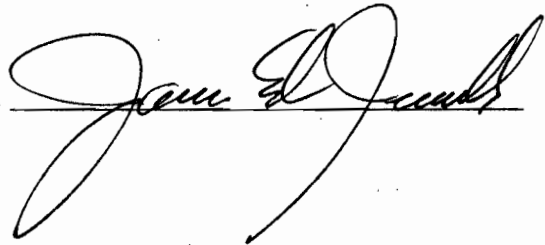
I, James Earl Jewell, declare as follows:

1. I am currently under contract with the Aspen Environmental Group to provide environmental technical assistance to the California Energy Commission. Under Contract No. 700-05-002 I am serving as an Illuminating Engineer to provide Peak Workload Support for the Energy Facility Siting Program and for the Energy Planning Program.
2. A copy of my professional qualifications and experience is attached hereto and incorporated herein.
3. I assisted in the preparation of the final staff testimony on Visual Resources for the Ivanpah Solar Electric Generating System Project based on my independent analysis of the Application for Certification and supplements thereto, data from reliable sources and documents, and my professional experience and knowledge.
4. It is my professional opinion that the prepared testimony is accurate and valid with respect to the issues addressed therein.
5. I am familiar personally with the facts and conclusions applicable to matters of intrusive light and glare and relative brightnesses, 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: 23 November, 2009

Signed: _____



At: San Francisco, California

JAMES EARL JEWELL



CONSULTANT IN LIGHTING

JAMES EARL JEWELL, LC, ATF, IES, CIES (Hon)

San Francisco lighting designer was educated in the theatre lighting programs of the College of the Pacific and the School of Drama, Yale University.

For 12 years he practiced in the field of theatre engineering and in 1969 went to the Pacific Gas and Electric Company as Lighting Services Administrator with responsibility for all lighting programs and research affecting customers, including oversight of a 400,000 light street lighting system.

Jewell served as a consultant in lighting energy management to the Electric Power Research Institute.

Following an early retirement in 1987, Jewell has practiced as a Consultant in Lighting. He and his partner, Alan Lindsley, AIA, IES, have been involved with numerous projects throughout the U. S. and in Paris, London, Sofia, and St. Petersburg. In forensic practice he has been admitted as an expert witness in the Superior Courts of Amador, Contra Costa, and San Francisco Counties.

He was the President of the Illuminating Engineering Society of North America and served two terms on the Board of Administration of the International Commission on Illumination (CIE). In the CIE he has been active in the committees for roadway and urban lighting. He was the Chairman of the Office Lighting and the Roadway Lighting Committees of the IES of North America. He was the founding Chairman of Lux Pacifica.

He is the editor of three books and the author or coauthor of more than fifty papers in the lighting field. He has lectured extensively, including at several meetings in China and Europe. He has been on the faculties of Smith College and the University of California.

He is a member of the College of Fellows of the American Theatre and holds the LC from the National Council for the Qualification of Lighting Professionals. He has the Louis B. Marks Award from the IES of North America and is the First Honourary Member of the China IES.

10 January 2006



**BEFORE THE ENERGY RESOURCES CONSERVATION AND DEVELOPMENT
COMMISSION OF THE STATE OF CALIFORNIA
1516 NINTH STREET, SACRAMENTO, CA 95814
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APPLICATION FOR CERTIFICATION
FOR THE *IVANPAH SOLAR ELECTRIC
GENERATING SYSTEM*

DOCKET No. 07-AFC-5
PROOF OF SERVICE
(Revised 11/23/09)

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DECLARATION OF SERVICE

I Maria Santourdjian, declare that on January 5, 2010, I served and filed copies of the attached, Exhibit 306. The original document, filed with the Docket Unit, is accompanied by a copy of the most recent Proof of Service list, located on the web page for this project at: [\[www.energy.ca.gov/sitingcases/ivanpah\]](http://www.energy.ca.gov/sitingcases/ivanpah).

The documents have been sent to both the other parties in this proceeding (as shown on the Proof of Service list) and to the Commission's Docket Unit, in the following manner:

(Check all that Apply)

FOR SERVICE TO ALL OTHER PARTIES:

sent electronically to all email addresses on the Proof of Service list;

by personal delivery or by depositing in the United States mail at Sacramento, California with first-class postage thereon fully prepaid and addressed as provided on the Proof of Service list above to those addresses NOT marked "email preferred."

AND

FOR FILING WITH THE ENERGY COMMISSION:

sending an original paper copy and one electronic copy, mailed and emailed respectively, to the address below (*preferred method*);

OR

depositing in the mail an original and 12 paper copies, as follows:

CALIFORNIA ENERGY COMMISSION

Attn: Docket No. 07-AFC-5
1516 Ninth Street, MS-4
Sacramento, CA 95814-5512
docket@energy.state.ca.us

I declare under penalty of perjury that the foregoing is true and correct.

Original Signature in Dockets
Maria Santoudjian