

# CALIFORNIA ENERGY COMMISSION and BUREAU OF LAND MANAGEMENT

Ivanpah Soar Electric Generating System  
Application for Certification  
**Solar Partners I, II, IV, VIII, LLC**  
**07-AFC-5**

INFORMATIONAL HEARING  
&  
SCOPING MEETING

**January 25, 2008**

Jack W. Caswell, CEC Project Manager  
Tom Hurshman, BLM Project Manager



# Energy Commission's Role

- **Energy Commission permitting authority**
  - ❖ **Thermal power plants 50 megawatts or greater**
  - ❖ **Related facilities**
    - **transmission lines**
    - **substations**
    - **water supply systems**
    - **natural gas pipelines**
    - **waste disposal facilities**
    - **access roads**
  - ❖ **Lead state agency for California Environmental Quality Act (CEQA)**



# Local, State and Federal Coordination

- **Staff works closely with local, state and federal agencies, for example:**
  - **Local: City or Township, if any**
  - **Regional: San Bernardino County**
  - **State: Department of Fish and Game, Regional Water Quality Control Board, Office of Historic Preservation, Native American Heritage Commission**
  - **Federal: Bureau of Land Management, Environmental Protection Agency, Fish and Wildlife Service, and National Parks Service**



# Overview of Licensing Process

## 1. Data Adequacy

- Minimum requirements to accept application

## 2. Staff Discovery and Analyses

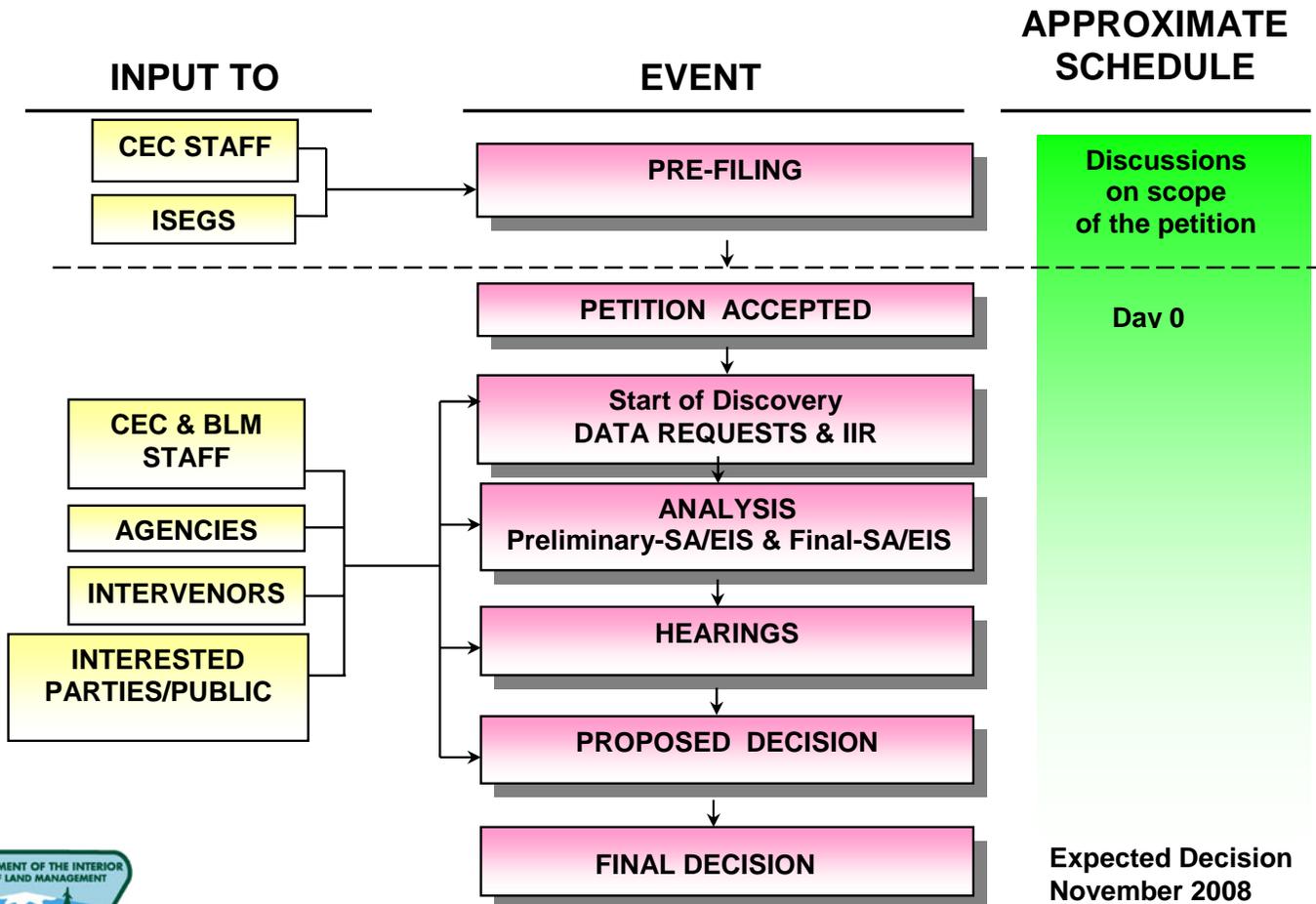
- Data requests
- Issues Identification
- Public Workshops
- Preliminary and Final Staff Assessments

## 3. Committee Evidentiary Hearing and Decision

- Evidentiary Hearings on FSA and other information
- Presiding Member's Proposed Decision (PMPD)
- PMPD hearing and Commission decision



# California Energy Commission Process



# Discovery and Analysis Process

- **Determine if proposal complies with Laws, Ordinances, Regulations, Standards (LORS)**
- **Conduct engineering and environmental analysis**
  - identify issues
  - evaluate alternatives
  - identify mitigation measures
  - recommend conditions of certification
- **Facilitate public and agency participation**
- **Staff products: Preliminary Staff Assessment (PSA) and Final Staff Assessment (FSA)**
- **Make recommendations to the Committee**

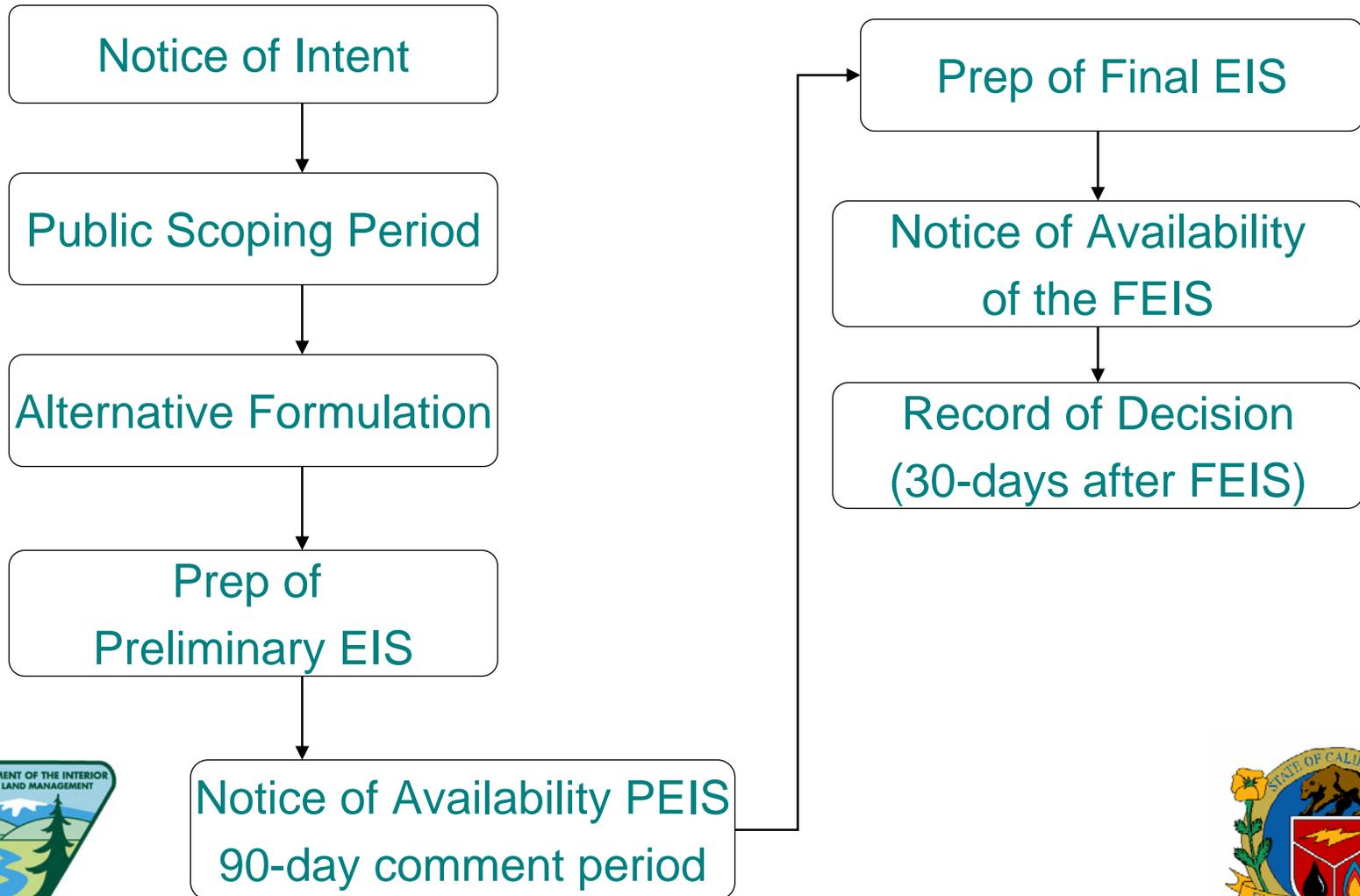


# Evidentiary Hearing & Decision Process

- **Committee conducts hearings on all information**
  - Issues Presiding Member's Proposed Decision (PMPD)
  - PMPD contains findings relating to:
    - Environmental impacts, public health, engineering
    - Project's compliance with LORS
    - Recommends conditions of certification
    - Recommends whether or not to approve the project
- **Full Commission makes decision**
- **Energy Commission monitors compliance with all conditions of certification, for the life of the project and closure**



# BLM NEPA EIS Process



# Energy Commission Contacts and Web Site

## ■ Committee Assigned

- **Jeffery Byron, Commissioner**, Presiding Member
- **James D. Boyd, Vice Chairman**, Associate Member

## ■ California Energy Commission Staff

- **Paul Kramer**, Commission's Hearing Officer
  - (916) 654-5103, e-mail: [pkramer@energy.state.ca.us](mailto:pkramer@energy.state.ca.us)
- **Jack W. Caswell**, Project Manager
  - (916) 653-0062 e-mail: [jcaswell@energy.state.ca.us](mailto:jcaswell@energy.state.ca.us)
  - Web page: [www.energy.ca.gov/sitingcases/lvanpah](http://www.energy.ca.gov/sitingcases/lvanpah)
- **Public Adviser's Office**
  - (916) 654-4489 or (800) 822-6228
  - e-mail: [PAO@energy.state.ca.us](mailto:PAO@energy.state.ca.us)



# BLM Contacts and Web Site

- **Tom Hurshman, Project Manager**
  - Phone: (970) 240-5345
  - e-mail: [tom\\_hurshman@co.blm.gov](mailto:tom_hurshman@co.blm.gov)
- **BLM Web Page:**  
[http://www.blm.gov/ca/st/en/fo/cdd/alternative\\_energy.html](http://www.blm.gov/ca/st/en/fo/cdd/alternative_energy.html)
- **Scoping comments to:**  
Needles Field Office  
Attn: George Meckfessel, P&EC  
1303 South Highway 95  
Needles, CA 92363-4228  
  
Or email comments to:  
[CA690@ca.blm.gov](mailto:CA690@ca.blm.gov) (attention ISEGS)



# Public Participation Information

## ■ Open Public Process

- Workshops and Hearings noticed at least 10 days in advance
- Mailing lists
- List Server: [www.energy.ca.gov/listservers](http://www.energy.ca.gov/listservers)

## ■ Documents are available for public review at:

- Public Libraries in Riverside County, Eureka, Sacramento, San Francisco, Fresno, Los Angeles and San Diego
- Energy Commission Library in Sacramento
- Energy Commission Web site:  
[www.energy.ca.gov/sitingcases/lvanpah](http://www.energy.ca.gov/sitingcases/lvanpah)
- Dockets Unit at the Energy Commission  
1516 9th Street, MS - 4  
Sacramento, CA 95814-5512



# Public Participation Opportunities

- **Submit written comments or statements to the Commission**
- **Provide oral comments at public meetings**
- **Participate in workshops**
- **Become a formal intervenor (Contact Public Advisor's Office)**
- **Provide written comments on the PSA/DEIS, FSA/FEIS and PMPD**



# Energy Commission Project Web Page

Ivanpah Solar Electric Generating System 07-AFC-05

Welcome to the *California Energy Commission*

WWW.ENERGY.CA.GOV / SITINGCASES / IVANPAH

## Ivanpah Solar Electric Generating System # 07-AFC-05

[Commission Homepage](#)  
[Siting Cases Main Page](#)

**Project Information**

[Project Fact Sheet](#)

**Project Proceeding**

[Notices & Announcements](#)  
(Updated: 12/18/07)

[Documents and Reports](#)  
(Updated: 1/3/08)

[Docket Log](#)  
07-AFC-05

[Proof of Service List](#)  
(PDF file. Rev: 12/5/2007)

**Participation**

[Public Adviser's Office](#)

[Guide to Public Participation In Siting Cases](#)

[Commission Siting Division](#)

[Overview of Siting Process](#)

[Title 20 Calif. Code of Regulations](#)

[Acronyms Used in Siting Cases](#)

**List Server**

To subscribe to this proceeding's e-mail ListServer, enter your e-mail address completely:

Note: Your e-mail address must be exact and complete. Incorrect or incomplete addresses will not work. You will receive a welcoming e-mail to confirm your subscription.

**Docket Number:** 07-AFC-05  
(Application For Certification)

Committee Overseeing This Case:

Jeffrey Byron, Commissioner  
Presiding Member

James D. Boyd, Vice Chairbr> Associate Member

Hearing Officer: Paul Kramer

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**Key Dates**

- October 31, 2007 - Commission accepts Application as complete and "data adequate."
- August 31, 2007 - Application for Certification (AFC) filed with California Energy Commission

**General Description of Project**

On August 31, 2007, Solar Partners I, LLC, Solar Partners II, LLC, Solar Partners IV, LLC and Solar Partners VIII, LLC (Solar Partners) submitted a single Application for Certification (AFC) to the California Energy Commission to develop three solar thermal power plants and shared facilities in close proximity to the Ivanpah Dry Lake, in San Bernardino County, California on federal land managed by the Bureau of Land Management (BLM). The proposed project would be constructed in three phases: two 100-megawatt (MW) phases (known as Ivanpah 1 and Ivanpah 2) and a 200-MW phase (Ivanpah 3). The three plants are collectively referred to as the Ivanpah Solar Electric Generating System (ISEGS) and would be located in:

- Southern California's Mojave Desert, near the Nevada border, to the west of Ivanpah Dry Lake
- San Bernardino County 4.5 miles southwest of Primm, Nevada, 3.1 miles west of the California-Nevada border
- Township 17N, Range 14E, and Township 16N, Range 14E

**PROJECT DESCRIPTION**

The proposed project includes three solar concentrating thermal power plants, based on distributed power tower and heliostat mirror technology, in which heliostat (mirror) fields focus solar energy on power tower receivers near the center of each heliostat array. Each 100-MW site would require approximately 850-acres (or 1.3 square miles) and would have three tower receivers and arrays; the 200-MW site would require approximately 1,500-acres (or 2.5 square miles) and would have 4 tower receivers and arrays. The total area required

**ANNOUNCEMENTS**

The Informational Hearing / Scoping Meeting scheduled to take place at 2:30 today, January 4, 2008 has been canceled due to weather.

The Committee will issue a legal notice as soon as possible notifying the public and all interested parties of the rescheduled date. At this time, the site visit scheduled for 1:30 p. m., will happen as scheduled. Please contact the Hearing Adviser's Office, or Paul Kramer, the Hearing Officer, for questions related to this project at 654-3893.

**January 4, 2008**  
Notice of Staff Data Request and Issues Workshop

**January 4, 2008**  
Notice of Public Site Visit and informational Hearing And Bureau of Land Management Scoping Hearing

Also see our Energy Calendar



<http://www.energy.ca.gov/sitingcases/ivanpah/index.html> (1 of 2) 1/7/2008 3:59:18 PM



# BLM California Desert District Web Page Alternative Energy Information

U.S. DEPARTMENT OF THE INTERIOR  
**BUREAU OF LAND MANAGEMENT**



California

BLM

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California Desert District

## Alternative Energy



Geothermal, wind, and solar production within the desert currently supply power to thousands of southern Californians.



# STAFF ISSUES IDENTIFICATION REPORT

## ■ Purpose

- Inform Participants of Potential Issues
- Early Focus
- Not Limiting

## ■ Criteria

- Amendment Petition
- Data Requests
- Information provided by Agencies or other Participants at this point in the process



# Potential Issue Areas

## Ivanpah Solar Electric Generating System

- **Air Quality**
- **Land Use**
- **Soils and Water**
- **Visual Resources**
- **Cumulative Effects and Alternatives**



# Air Quality Potential Issues

- **Undetermined air quality emission impacts**
- **Applicants underlying assumptions**
- **Unenforceable displacement**
- **Data Requests and workshops**



# Land Use Potential Issues

- Exclusive use of 3,400 acres of public land could eliminate other authorized land uses e.g. BLM grazing permittee, OHV use and permitted race events
- Understanding of request for 7,040 acre right-of way for property boundary
- Cumulative Impacts
- Data Requests and workshops



# Soils and Water Resources Potential Issues

- A draft Drainage, Erosion and Sediment Control Plan (DESCP) was requested (data requests). Draft Plan will be reviewed by CEC , BLM, RWRCB and other responsible agencies
- Requested a schedule for submitting a plan and review of the plan by others (data requests)
- Dust control plans would be required
- Develop and evaluate grading plans and affects on surrounding ephemeral drainages leading off site
- Potential for runoff impacts to Ivanpah Dry Lake Bed



# Visual Resources Potential Issues

- **New intrusions on the landscape**
- **Review of current submitted key observation points**
- **Development of VRM classification**
- **Identification of additional key observation points, wilderness, Ivanpah Dry Lake Bed**
- **Data Requests and workshops**



# Cumulative Effects and Alternatives Issues

- **NEPA and CEQA requirements for analysis of the environmental impacts of the proposed project and other proposed projects in the desert would include a cumulative effects review of all proposed projects.**
- **Alternatives to a proposed project including no action.**



# PROPOSED SCHEDULE

DATE	MILESTONE / EVENT
31-Oct-2007	Commission determined AFC is complete
12-Dec-2007	Staff filed Data Requests
27-Dec-2008	Staff filed Issues Identification Report
4-Jan-2008	Data Request and Issue Resolution Workshop
11-Jan-2008	Applicant Files Data Responses Part 1
25-Jan-2008	Informational Hearing and Site Visit
11-Feb-2008	Applicant Files Data Responses Part 2
11-Mar-2008	Applicant Files Data Responses Part 3
25-Mar-2008	Data Response Workshop
14-Apr-2008	Staff files Preliminary Staff Assessment (PSA)/DEIS
3-Jul-2008	Preliminary Staff Assessment Workshop
21-Jul-2008	Agencies Comment on PSA/DEIS
10-Sep-2008	Staff files Final Staff Assessment (FSA)/EIS
TBD	Committee conducts Evidentiary Hearing
TBD	Presiding Member's Proposed Decision (PMPD)
TBD	Committee Hearing on the PMPD
TBD	Committee files revised PMPD
TBD	Commission Decision



# Staff's Proposed Schedule

- **Meeting this schedule will depend on:**
  - Applicant's timely response to staff's data requests
  - Determinations by other local, state, and federal agencies
  - Other factors not yet known

