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

**INPUT TO**
- CEC STAFF
- ISEGS
- CEC & BLM STAFF
- AGENCIES
- INTERVENORS
- INTERESTED PARTIES/PUBLIC

**EVENT**
- PRE-FILING
- PETITION ACCEPTED
- Start of Discovery DATA REQUESTS & IIR
- ANALYSIS Preliminary-SA/EIS & Final-SA/EIS
- HEARINGS
- PROPOSED DECISION
- FINAL DECISION

**APPROXIMATE SCHEDULE**
- Discussions on scope of the petition
  - Day 0
- Expected Decision
  - November 2008
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**

1. **Notice of Intent**
2. **Public Scoping Period**
3. **Alternative Formulation**
4. **Prep of Preliminary EIS**
5. **Notice of Availability PEIS**
   - 90-day comment period

6. **Prep of Final EIS**
7. **Notice of Availability of the FEIS**
8. **Record of Decision**
   - (30-days after FEIS)
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
  - Jack W. Caswell, Project Manager
    - (916) 653-0062 e-mail: jcaswell@energy.state.ca.us
    - Web page: www.energy.ca.gov/sitingcases/Ivanpah
  - Public Adviser’s Office
    - (916) 654-4489 or (800) 822-6228
    - e-mail: 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

- **BLM Web Page:**

- **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  (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

- **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/Ivanpah
  - 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
ANNOUNCEMENTS

The Informal Hearing/Scoping Hearing 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 Director's Office or Paul Kramer, the Hearing Officer, for questions on the project at 554-1007.

January 4, 2008
Notice of Staff Date 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

PROJECT DESCRIPTION

The proposed project includes three solar concentrating thermal power plants, based on distributed power tower and heliostat mirror technology, in which heliostats (mirror) focuses solar energy on inner tower receivers near the center of each heliostat array. Each heliostat array is approximately 80 acres, and each tower receiver is approximately 8 acres. Each of the three tower receivers and arrays, the 250-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...
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

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