

# Rio Mesa Gen-Tie Project Public Information Workshop

September 13, 2012



# Meeting Schedule

|                 |            |
|-----------------|------------|
| Open House      | 30 minutes |
| Presentation    | 15 minutes |
| Public Comments | 60 minutes |
| Workshop        | 15 minutes |

# BLM's Purpose and Need

STANDARD FORM 298 (5/2009)  
 PREVIOUS EDITIONS ARE OBSOLETE  
 25 YEAR LIFE CYCLE  
 Register Number 1-22-85

**APPLICATION FOR TRANSPORTATION AND UTILITY SYSTEMS AND FACILITIES ON FEDERAL LANDS**

FORM APPROVED  
 OMB NO. 1004-0189  
 Expires April 30, 2012

**FOR AGENCY USE ONLY**

Application Number \_\_\_\_\_  
 Date filed \_\_\_\_\_  
 3. TELEPHONE (area code) \_\_\_\_\_  
 Applicant \_\_\_\_\_  
 Authorized Agent \_\_\_\_\_

NOTE: Before completing and filing the application, the applicant should completely review this package and schedule a preapplication meeting with representatives of the agency responsible for processing the application. Such agency may have specific and unique requirements to be met in preparing and processing the application. Many times, with the help of the agency representative, the application can be completed at the preapplication meeting.

1. Name and address of applicant (include zip code) \_\_\_\_\_

2. Name, title, and address of authorized agent if different from item 1 (include zip code) \_\_\_\_\_

3. Specify what application is for: (check one)

a.  New authorization  
 b.  Renewing existing authorization No. \_\_\_\_\_  
 c.  Amend existing authorization No. \_\_\_\_\_  
 d.  Assign existing authorization No. \_\_\_\_\_  
 e.  Existing use for which no authorization has been received\*  
 f.  Other\* \_\_\_\_\_

\*If checked, provide details under item 7

4. As applicant are you? (check one)

a.  Individual  
 b.  Corporation\*  
 c.  Partnership/Association\*  
 d.  State Government/State Agency  
 e.  Local Government  
 f.  Federal Agency

\*If checked, complete supplemental page

6. If an individual, or partnership are you a citizen(s) of the United States?  Yes  No

7. Project description (describe in detail): (a) Type of system or facility, (e.g., canal, pipeline, road); (b) related structures and facilities; (c) length, width, grading, etc.; (d) term of years needed; (e) time of year of use or operation; (f) Volume or amount of product to be transported; and (g) temporary work areas needed for construction (Attach additional sheets, if additional space is needed.) \_\_\_\_\_

8. Attach a map covering area and show location of project proposal  Attached  Applied for  Not required

9. State or local government approval:  Attached  Not required

10. Nontransferable application fee:  Attached  Not required

11. Does project cross international boundary or affect international waterways?  Yes  No

12. Give statement of your technical and financial capability to construct, operate, maintain, \_\_\_\_\_

(Continued on page 2)

**REPORT**

**RIO MESA SOLAR ELECTRIC GENERATING FACILITY PROJECT PLAN OF DEVELOPMENT**

Prepared for

United States Department of the Interior  
 Bureau of Land Management  
 Palm Springs South Coast Field Office  
 1201 Bird Center Drive  
 Palm Springs, CA 92262

URS Project No. 27651007.10040

August 21, 2012

**URS**

4225 Executive Square, Suite 1600  
 La Jolla, CA 92037  
 858.612.9292 Fax: 858.612.9293



# NEPA Process

1. Public Scoping
2. Develop draft Environmental Impact Statement (EIS)
3. Distribute and receive comments
4. Revise the EIS, based on comments
5. Release a final EIS
6. Protest Period for the Plan Amendment
7. Release a Record of Decision

# NEPA Environmental Issue Areas

- Air Quality
- Biological Resources
- Cultural Resources
- Noise
- Social Effects
- Land Use
- Special Designations
- Recreation
- Visual Resources
- Water Resources
- Other resources





BrightSource

**RIO MESA SOLAR  
ELECTRIC GENERATING FACILITY  
BLM SPONSORED MEETING**

September 13, 2012

# Company Overview

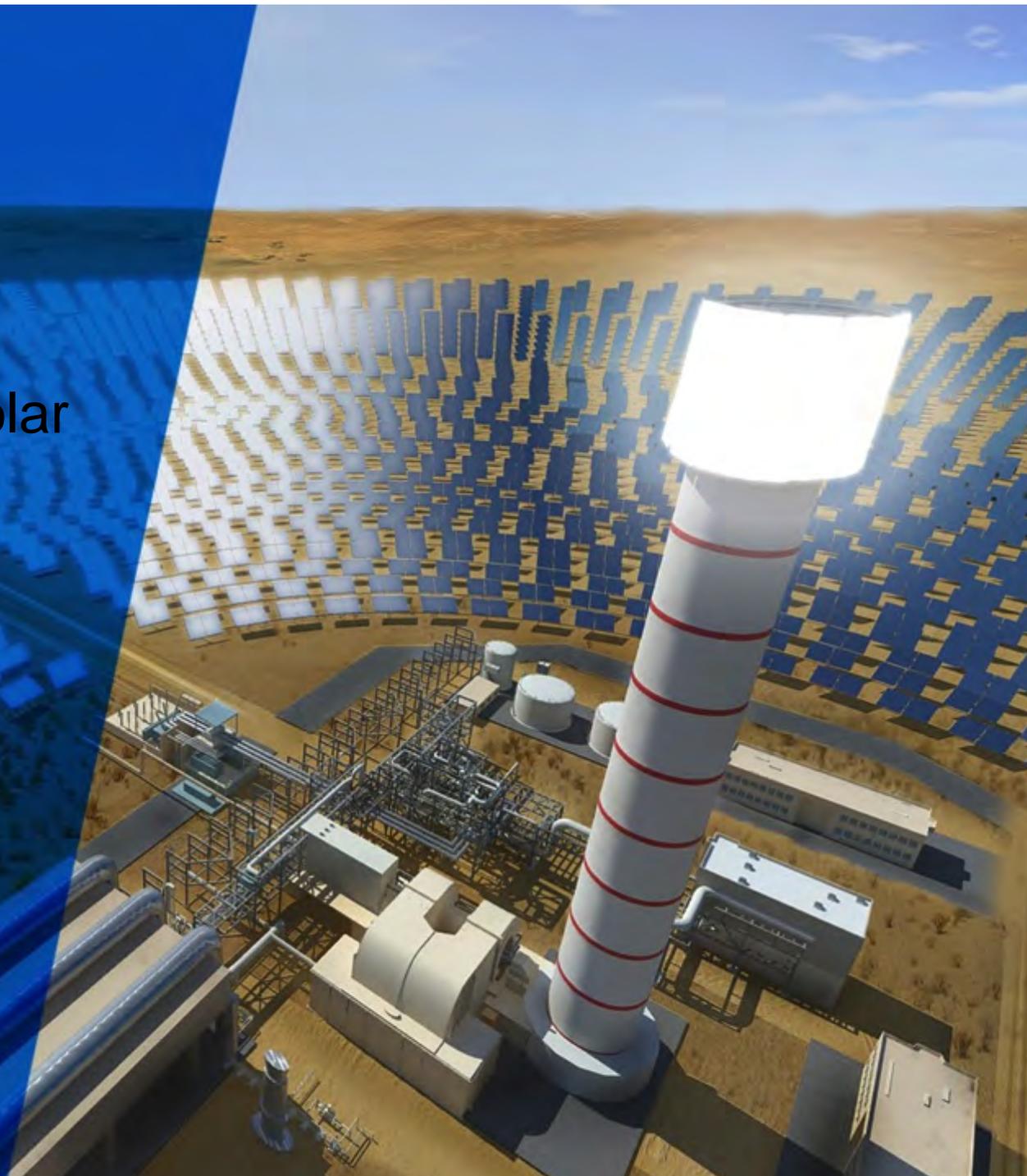
A Better Kind of Solar

September 2012



**BrightSource**  
*Limitless*

[brightsourceenergy.com](http://brightsourceenergy.com)





## Who We Are

BrightSource Energy designs, develops and deploys concentrating solar thermal technology to produce high-value steam for electric power, petroleum and industrial-process markets worldwide.



**BrightSource**  
*Limitless*





# Alignment with Key Strategic Partners & Customers

## Partners & Customers

### International Business Expansion



### Key Electricity Generation Customers



### Project Equity Investors



### Engineering, Procurement & Construction



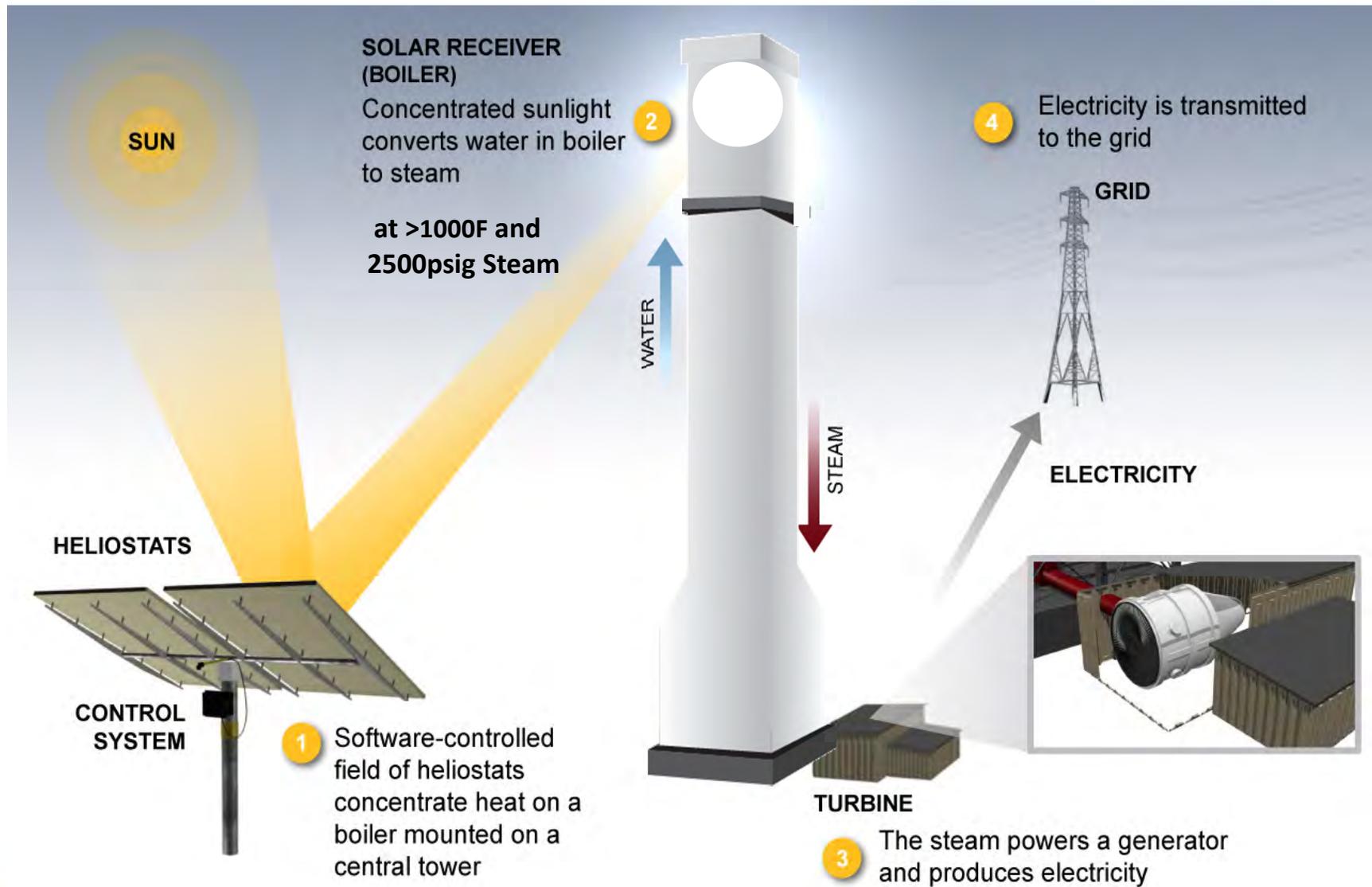
### Enhanced Oil Recovery Applications



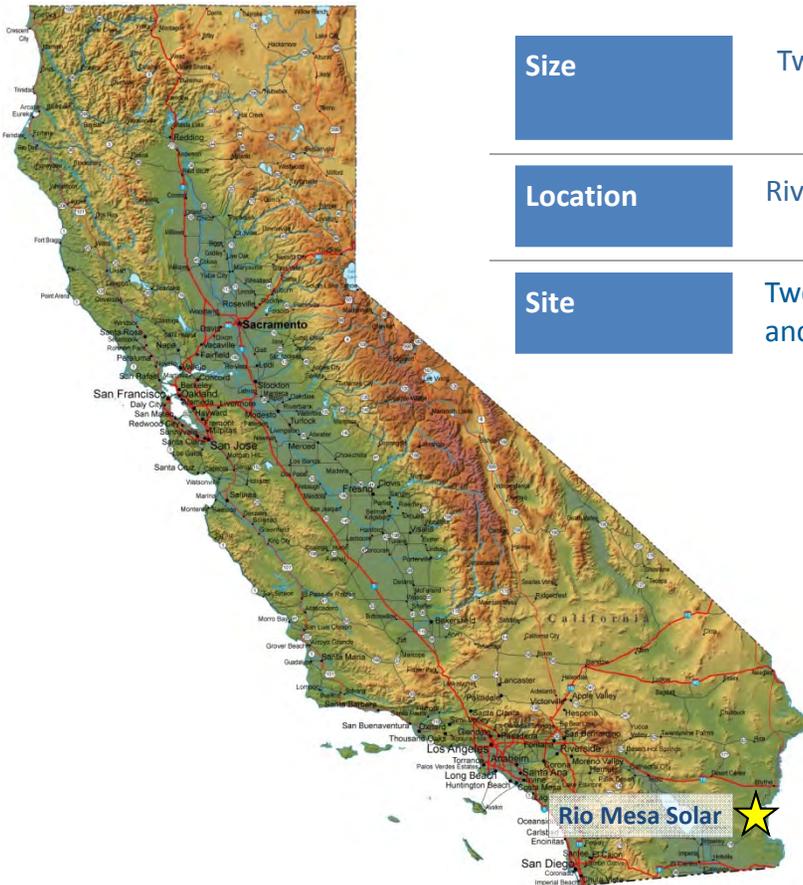
## Proven Access to Growth Capital



# Rio Mesa Solar –Technology Summary



# Rio Mesa Solar Summary



**Size** Two projects totaling 540MW  
➤ 2 x 270 MW design

**Location** Riverside County, CA

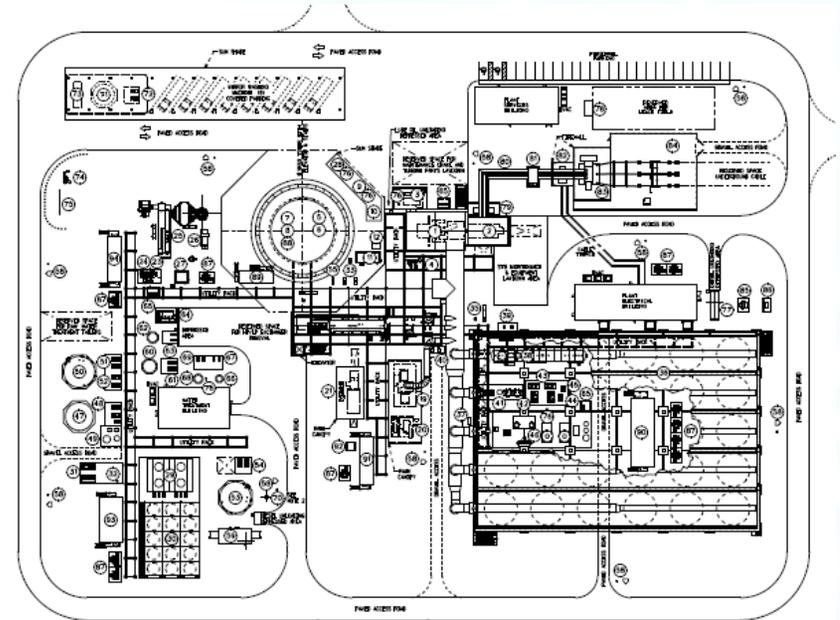
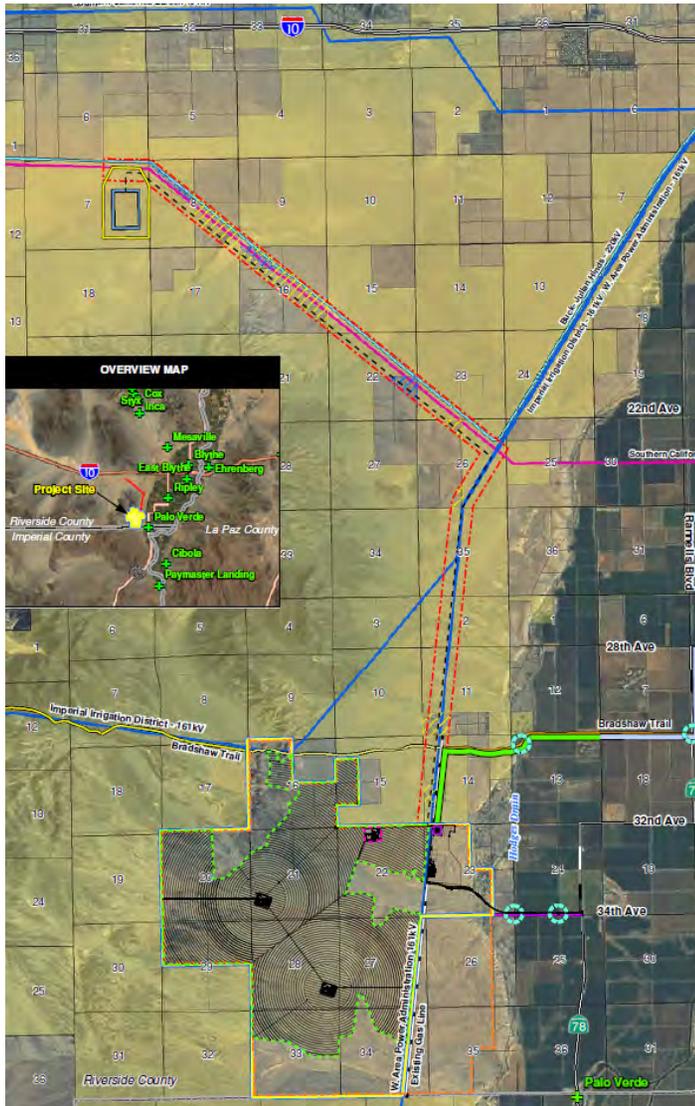
**Site** Two solar electric generating plants and ancillary facilities

**Technology** Concentrating Solar Thermal  
➤ Proprietary Luz Power Tower (“LPT”) technology supported by BrightSource’s demonstration facility in Israel

**Off-takers** Executed 20 -year power purchase agreements (“PPAs”) with Southern California Edison (“SCE”)

**Transmission** SCE and CAISO

# Rio Mesa Solar – Project Location and Layout



Power Block Layout for RMS 1 and 2

# Rio Mesa Solar – Economic & Environmental Benefits

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- Economic Impacts

- Construction Jobs: 2,500 at peak of construction, 1,000 average over 2+ years
- Operations and Maintenance Jobs: 100
- State & Local Tax Benefits: Over \$200 Million\*
- Total Construction Wages: Approximately \$440 Million (over 2+ year construction period)
- Total Operations & Maintenance Earnings: Approximately \$280 Million\*
  - *\*Based on the first 25 years, estimates not final*

- Environmental Advantages

- Rio Mesa SEGF to employ BrightSource's next generation plant design, the most land-efficient solar technology available
  - Typical trough solar plant uses 1.5 times more land per megawatt hour
  - Photovoltaic solar plants use nearly twice as much land per megawatt hour
- CO<sub>2</sub> Emissions Avoided: Nearly 20 million tons\*
- Water Use: Less than 175 acre feet annually for both plants (25 times less than competing technologies)
- Air Pollutants Reductions: 85% of a natural gas-fired plant
  - *\*Based on 25 year plant life, estimates not final*

# Rio Mesa Solar – Landscape

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# Rio Mesa Solar – Landscape



# Rio Mesa Solar – Landscape





**Thank you!**

# Public Comments

- Guidelines
  - State your name clearly
  - One person to speak at a time
  - Support everyone's participation
  - Respect others' opinions



# Comment Information

## Please send scoping comments to the BLM

- Address:

Attention: Lynnette Elser, NEPA Coordinator  
Bureau of Land Management  
California Desert Office  
22835 Calle San Juan de Los Lagos  
Moreno Valley, CA 92553-9046

- Or Email: [cariomesa@blm.gov](mailto:cariomesa@blm.gov)

## Other

- Project website:

[http://www.blm.gov/ca/st/en/fo/palmsprings/Solar\\_Projects/Rio\\_Mesa.html](http://www.blm.gov/ca/st/en/fo/palmsprings/Solar_Projects/Rio_Mesa.html)