

## BrightSource Energy Ivanpah Solar Electric Generating System

**Toward a safe, clean energy future:** Ivanpah Solar Electric Generating System is the third solar energy project ever approved for construction on public lands and the first to use solar "power tower" technology.

### **VITALS:**

**Location:** San Bernardino County, CA

**Technology:** Solar Power Tower

**Electricity production capacity:** 370 megawatts

**Company:** BrightSource Energy (Oakland, CA)

### **BY THE NUMBERS - the project is expected to:**

- ✓ Generate enough electricity to power approximately 111,000 to 277,500 homes
- ✓ Create over 1,000 new jobs during peak construction and over 100 operations and maintenance jobs
- ✓ Generate an estimated \$8.2 million annually in tax benefits to San Bernardino County
- ✓ Secure approximately \$1.37 billion through DOE's Recovery Act loan guarantee program
- ✓ Be located on 3,471 acres. The BLM oversees more than 5.9 million acres in San Bernardino County, including over 3.8 million managed for conservation.



**A SMART, COLLABORATIVE PROCESS:** In April of 2009 the Bureau of Land Management (BLM) committed to helping the nation reach its clean energy future by guaranteeing coordinated processing, full environmental analysis and public review for specific renewable energy projects where the companies involved had demonstrated they were ready to advance to the formal environmental review and public participation process.

**A UNIQUE, INNOVATIVE PARTNERSHIP:** On October 12, 2009 Secretary Salazar and Governor Schwarzenegger signed an agreement directing Interior agencies and California State agencies to create a federal-state initiative to advance development of environmentally appropriate renewable energy on U.S. lands in California. The Ivanpah Solar Electric Generating System (ISEGS) is one of the projects jointly processed through the BLM and the California Energy Commission cooperative model. The California Energy Commission licensed ISEGS on September 22, 2010.

**STRONG ENVIRONMENTAL REVIEW AND MITIGATION:** The BLM worked closely with federal, state and local partners, members of the environmental and conservation community and interested stakeholders to advance environmentally sound projects.

- ✓ Smaller Footprint: To minimize impacts to biological resources, BLM selected an alternative plan which reduced the project size from 4,073 acres to 3,471 acres.
- ✓ A Net Benefit: To satisfy federal and state requirements, BrightSource will acquire more than 7,300 mitigation acres.
- ✓ Desert Tortoise: Pursuant to a Fish and Wildlife Service approved plan, tortoise onsite will be tested for disease, translocated to suitable, comparable habitat and monitored.
- ✓ Conservation: BLM has designated over 3 million acres of habitat in California primarily for the conservation of the threatened Desert Tortoise.

**ANOTHER RECOVERY ACT LEGACY:** The American Recovery and Reinvestment Act (ARRA) has served as an opportunity to transform the way we use energy, reducing our carbon emissions and create entire new industries based on American resources, ingenuity, and workers. Through the Recovery Act's payments in lieu of tax credits for specified energy program, BrightSource Energy can apply for payments of up to 30% of the eligible costs of the project. These payments are authorized by Section 1603 of the ARRA tax title.

**THE BIG PICTURE:** ISEGS is one of the projects that will help achieve the Administration and Interior initiative to make a rapid and responsible move to large-scale production of renewable energy on public lands. The State of California is working to achieve a 33% Renewable Portfolio Standard, which will require 15,000 – 20,000 MW of renewable energy by 2020.