Abstract

Final Staff Assessment/Draft Environmental Impact Statement
Ivanpah Solar Electric Generating System (07-AFC-5)

Lead Agency:	**(Federal)**	**United States Department of the Interior Bureau of Land Management Needles Field Office**
	(State)	**The California Energy Commission Siting, Transmission and Environmental Protection Division**
Project Location:		**San Bernardino County, California**
Address Comments on this EIS to both of the following:		**Bureau of Land Management Needles Field Office Attention: George R. Meckfessel, Planning and Environmental Coordinator 1303 South U.S. Highway 95 Needles, CA 92363**
Or email:		**CA690@ca.blm.gov**
		California Energy Commission Attention: John Kessler, Project Manager 1516 Ninth Street, MS-15 Sacramento, CA 95814
Or email:		**jkessler@energy.state.ca.us**
Comment Due Date:		**Comments related to the project are due to BLM and the Energy Commission by close of business on February __, 2010.**

Project Summary: The Ivanpah Solar Electric Generating System (ISEGS) project is a proposal to construct a 400- megawatt concentrated solar power tower, thermal-electric power plant. The ISEGS project would be located on approximately 4, 073 acres of public land approximately 5 miles southwest of Primm, NV in San Bernardino County, California. The project would be constructed as three individual power plants that share a common administration building, and a shared construction logistics area. The solar power tower project would include seven 469-foot tall power towers and installation of 214,000 heliostats (mirrors) surrounding the power towers. Each of the three power plants would contain a power block with a steam turbine generator. The applicant's power tower technology uses dry cooling to minimize use of groundwater required for the project. Generator interconnection lines would tie each power plant into a new substation and the Southern California Edison transmission lines passing through the project boundary.