

## DOCKETED

<b>Docket Number:</b>	09-AFC-07C
<b>Project Title:</b>	Palen Solar Power Project - Compliance
<b>TN #:</b>	200991
<b>Document Title:</b>	Exhibit 4000-Impacts to Visual Resources from the Palen Solar Energy Power Project
<b>Description:</b>	N/A
<b>Filer:</b>	Kevin Emmerich
<b>Organization:</b>	Basin and Range Watch
<b>Submitter Role:</b>	Intervenor
<b>Submission Date:</b>	10/22/2013 1:34:52 PM
<b>Docketed Date:</b>	10/22/2013

**Exhibit: 4000**

**Title of Document (from Docket Log) Subject Areas: Impacts to Visual Resources from the Palen Solar Energy Power Project.**

**Subject Areas: Visual Resources**

Basin and Range Watch

Exhibit 4000, Photographic Impacts to Visual Resources from the Palen Solar Energy Power Project.

Below are eleven photos representing some of the visual resources that would be impacted by the Palen Solar Project. Photos were taken with a digital Nikon Cool pix P500 36 X optical zoom by Basin and Range Watch. These photos are concerning visual resource impacts that have been discussed extensively in the Final Staff Assessment. These photos could be helpful to parties in determining visual impacts.



^Desert sand verbena (*Abronia villosa*) on Palen Solar Project site, April, 2010



^Palen-McCoy Wilderness Area seen from the project site, June, 2010



^Palen Mountains/ palo verde tree from project site, June 2010



Desert lily (*Hesperocallis undulate*) on project site, April, 2010



^Wildflowers on project site. Aril, 2010



^Mojave fringe-toed lizard (*Uma scoparia*) on the project site, April, 2010



^Project site seen from the Palen Dunes, April, 2010



^Wildflowers, April, 2010, project site



^Sunset over the project site



^Sidewinder rattlesnake (*Crotalus cerastes*) on project site



^View of project site from the Corn Springs road

Below are five photos of the visual impacts to Ivanpah Valley caused by the Ivanpah Solar Electric generating system.

Photos were taken with a digital Canon Powershot SX50 Optical Zoom. The photos show the intense glare and visibility that the project has on adjacent national parks and wilderness areas. All photos taken by Basin and Range Watch.



^Ivanpah Project during a test of Unit One seen from the Mojave National Preserve, June, 2013



^Unit One being tested with the Mesquite Mountains Wilderness Area in the background, June, 2013





^Ivanpah Unit One being tested looking north into Ivanpah Valley, Nevada, June 2013



^Ivanpah Unit One being tested with Clark Mountain, Mojave National Preserve in the distance. Solar heat flux is highly visible, September, 2013



Glare from tower and lake effect from the Ivanpah Project, September, 2013