



Energy Facilities Siting and Environmental Protection Division	FILE: 11-AFC-4									
	Project Title: Rio Mesa Solar Electric Generating Facility									
<input checked="" type="checkbox"/> Telephone and Email:	<input type="checkbox"/> Meeting Location:									
Name: William Kanemoto	Date: 5-7-12	Time: 1:30 pm								
With: Todd Stewart, BrightSource Energy, Inc.										
Subject: Discussion of Data Request/Response 148.										
<p>On May 7, 2012, I spoke with Todd Stewart to follow up on BrightSource's response to Data Request 148. More specifically, I asked about the potential for night lighting to be reflected upward by mirrors in stow position, resulting in potential inadvertent light pollution. Mr. Stewart stated that he would provide a response as soon as possible.</p> <p>Mr. Stewart's response is reflected in the attached two emails, which in summary indicated that:</p> <ol style="list-style-type: none"> 1. Power block lighting does not extend beyond the protection berm and drainage ditch at the edge of the power block, where reflectors of the lighting fixtures are positioned to direct lighting downward; and 2. When heliostats are being washed, they are placed in a vertical position, thus practically eliminating the possibility that light will be reflected into the night sky. 										
<table border="1"> <tr> <td colspan="2">DOCKET</td> </tr> <tr> <td colspan="2">11-AFC-4</td> </tr> <tr> <td>DATE</td> <td><u>MAY 07 2012</u></td> </tr> <tr> <td>RECD.</td> <td><u>MAY 10 2012</u></td> </tr> </table>			DOCKET		11-AFC-4		DATE	<u>MAY 07 2012</u>	RECD.	<u>MAY 10 2012</u>
DOCKET										
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DATE	<u>MAY 07 2012</u>									
RECD.	<u>MAY 10 2012</u>									
cc:		Signed: wk								
		Name: William Kanemoto								

From: [Todd Stewart](#)
To: ["william kanemoto";](#)
cc: [Martinez, Pierre@Energy;](#)
Subject: RE: Night Sky Lighting at RMS
Date: Wednesday, May 09, 2012 6:38:49 AM
Attachments: [image001.png](#)

Bill,

Here is the answer to the second part of your question.

The heliostats which are been washed, are in vertical position – this practically eliminates the possibility that lights will be reflected skywards from them.

Have a great day!

Best Regards,



BrightSource

Todd Stewart P.E.

Senior Director - Project Development

Project Manager - Rio Mesa Solar

BrightSource Energy Inc.

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tstewart@BrightSourceEnergy.com

www.BrightSourceEnergy.com

From: Todd Stewart
Sent: Tuesday, May 08, 2012 5:25 PM
To: 'william.kanemoto@energy.ca.gov'; 'william kanemoto'
Cc: 'Martinez, Pierre@Energy'
Subject: Night Sky Lighting at RMS

Bill,

In response to your question yesterday concerning night sky pollution from RMS power block lights reflecting off of nearby mirrors in the stowed position. Danny Eytani from our engineering office in Jerusalem responds as follows;

The power block lighting does not extend beyond the protection berm and drainage ditch at the edge of the power block. The reflectors of the lighting fixtures are directional and positioned to aim at the surrounding ground below in the vicinity of the lighting pole, which they are mounted on. Therefore it is highly unlikely that light from the power block would be reflected skyward from the mirrors in the stowed position.

I am still awaiting the question concerning reflected light from mirror washing operations.

Best Regards,



BrightSource

Todd Stewart P.E.

Senior Director - Project Development

Project Manager - Rio Mesa Solar

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