Docket Number:	09-AFC-07C
Project Title:	Palen Solar Power Project - Compliance
TN #:	202583
Document Title:	Email Re: Ivanpah Solar Power Plant Site Recon, dated May 9, 2014
Description:	N/A
Filer:	Alicia Campos
Organization:	California Department of Transportation/Gary Cathey
Submitter Role:	Public Agency
Submission Date:	6/24/2014 10:10:28 AM
Docketed Date:	6/24/2014

Adams, Jim@Energy

From:

Cathey, Gary C@DOT

Sent:

Friday, May 09, 2014 2:13 PM

To:

Adams, Jim@Energy

Cc:

Brown, Jeff R@DOT: Crimmins, Philip P@DOT

Subject:

Ivanpah Solar Power Plant site Recon

Attachments:

CLARR Two Arrival to LAS.pdf; CRESO Three STAR.pdf

Jim,

Attached is an updated itinerary (rounded to the nearest 15 minutes), based on our trip yesterday:

0745-0815

Preflight N20CA, load & go

0815-1030

Fly SAC - Apple Valley Airport (APV)

1030-1100

Refuel/Quick break

FIV APV-CLARR

1100-1145 1145-1215

Recon Ivanpah Power Plant (IPP) site

1215-1300

IPP-CLARR-APV

Lunch @ APV, refuel

1300-1345 1345-1600

FIV APV-SAC

1600-1630

Postflight, refuel, unload & go

I hope your photos and videos of IPP turn out well. I must say flying in the vicinity of the IPP facility generated the brightest, most extensive amount of glare that I've seen in my aviation career - and I have been flying since 1986. As you may have noticed, I had to shield my eyes with my hand as I was scanning for aircraft traffic while we flew eastbound on V-394 to the IPP site from the nearest waypoint (CLARR intersection). CLARR is part of the Standard Terminal Arrival (STAR) CLARR Two Arrival procedure to Mc Carran International Airport (LAS), North Las Vegas Airport (VGT), Henderson Executive Airport (HND), and Boulder City Municipal Airport (BVU) in or near Las Vegas, NV. Similarly, the CRESO Three STAR to LAS routes arriving aircraft directly over the IPP site at 12,000' MSL on V 21-283/V-587 at WHIGG waypoint. Standard Departure Procedures (DPs) also require aircraft departing LAS and surrounding airports to fly towards the IPP site. LAS has 9 STARs and 9 DPs that frequently channel aircraft west of Las Vegas - to or from the vicinity of the IPP site.

I attached a copy of the CLARR Two and CRESO Three STARs for your reference. I look forward to staying in touch with you and learning more about the proposed mitigation measures that will be recommended to minimize the amount of glare generated by IPP. The fact that it is located below and adjacent to heavily travelled airways definitely compounds the problem. I sincerely hope that if similar facilities are proposed in the future, the CEC will consider the "lessons learned" from the construction of this facility at this location to alleviate problems of similar magnitude at other locations.

Respectfully,

Gary

GARY CATHEY, Chief Division of Aeronautics (MS-40) California Department of Transportation 1120 N Street, Room 3300 PO Box 942874 Sacramento, CA 94274-0001

Office - (916) 654-5183

nie i nemy mid we godyk we (rem ir im massan solica er er enem er i jedy je keje relie re mid r

```
Let 4 Let 4 Li China thisher. F
                        化特殊性性性 化二甲基甲基
                        1.30 ( )
         and more than
            J. W. C. V. S. C.
THE PROPERTY OF THE WAR THE WAR TO SHE WAS
                        化氯化二甲基
             and Charles and States
                        6,750,000
```

turn i kategright all transformer beschlichtigtig, is a betreichte in eine beläter beitert beit in die begin d deut den unter den seine vermitten die beschspreichtigen betreicht in deutsche der deutsche des deutsche des d gehört wert der durch der die begreicht bereicht beschwer bereicht des till der beschieben delt genocht der de gehörte großeste deltab. Obe beitsbereicht bischtigte begreicht werden die des till de 1945 besche des deutsche Den aus der der der deutsche dem bescheichte staten die Westerneich der des Total 1945 beschausen der

ាស់ សមិន កាស់ ជួយប្រជាពលរបស់ ស្នើស្តី ប្រើប្រើប្រើក្រៅសេខបែកម៉ោង សើយសមិន អំពីការការការកំប្បារ ប្រើប្រែប សេខបែក បានសេខបានសមាន ប្រើប្រាស់ សេខបែក ប្រើប្រើប្រើប្រើសាស់ សេខបន្ទៅសេខបែក ក្រុមប្រសាធានប្រសាទិស ប្រើប្រើប្រឹក្សា ប្រ ការប្រជុំបន្ទាប់ បានសេខបន្ទាប់ការសេខបន្ទាប់ កាសសមានសេខសេខបន្ទាប់ សេខបន្ទាប់ បានសេខបន្ទាប់ បានសេខបន្ទាប់ ប្រឹងប្ប ការប្រជុំបន្ទាប់ បានសេខបន្ទាប់ សេខបន្ទាប់ សាស្តិសិស្តិសិស្តិសិស្តិសិស្តិសិស្តិសិស្តិសិស្តិសិស្តិសិស្តិសិស្តិសិស្តិសិស្តិសិស្តិសិស្តិសិស្តិសិស្

and the second provide the control of the providence of the providence of the second o

al or or a

that are the state