

## DOCKETED

<b>Docket Number:</b>	09-AFC-07C
<b>Project Title:</b>	Palen Solar Power Project - Compliance
<b>TN #:</b>	202746
<b>Document Title:</b>	Ex.1187 - Traffic and Transportation Rebuttal Testimony â€œ Glint and Glare â€œ Pilot Opinion
<b>Description:</b>	N/A
<b>Filer:</b>	Marie Fleming
<b>Organization:</b>	Galati   Blek LLP
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<b>Docketed Date:</b>	7/18/2014

STATE OF CALIFORNIA

Energy Resources  
Conservation and Development Commission

In the Matter of:

Petition For Amendment for the  
**PALEN SOLAR ELECTRIC  
GENERATING SYSTEM**

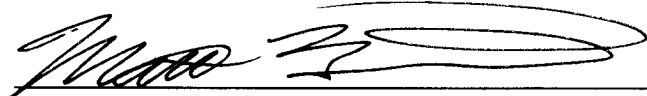
**DOCKET NO. 09-AFC-07C**

**DECLARATION OF MATT BINNER**

I, Matt Binner, declare as follows:

1. I am presently employed by Airwork Las Vegas.
2. A copy of my professional qualifications and experience is included with my Supplemental Rebuttal Testimony.
3. I prepared the attached supplemental rebuttal testimony relating to Traffic and Transportation for the Petition for Amendment for the Palen Solar Electric Generating System (California Energy Commission Docket Number 09-AFC-07C).
4. It is my professional opinion that the attached prepared testimony is valid and accurate with respect to issues that it addresses.
5. I am personally familiar with the facts and conclusions related in the attached prepared testimony and if called as a witness could testify competently thereto.

I declare under penalty of perjury, under the laws of the State of California, that the foregoing is true and correct to the best of my knowledge and that this declaration was executed on July 16<sup>th</sup> 2014.



Matt Binner

7-17-14

**PALEN SOLAR ELECTRIC GENERATING SYSTEM  
TRAFFIC AND TRANSPORTATION  
SUPPLEMENTAL REBUTTAL TESTIMONY  
GLINT AND GLARE – PILOT OPINION**

I. **Name:** Matt Binner

II. **Purpose:**

I provide this Supplemental Rebuttal Testimony to address the issues relating to glint and glare raised by the CEC Staff in its Supplemental Staff Assessment and Opening Testimony for the Palen Solar Electric Generating System (PSEGS) (09-AFC-7C).

III. **Qualifications:**

I have over eight years of experience as a pilot. My qualifications are detailed in my attached resume. To the best of my knowledge all referenced documents and all of the facts contained in this testimony are true and correct. To the extent this testimony contains opinions, such opinions are my own. I make these statements and provide these opinions freely and under oath for the purpose of constituting sworn testimony in this proceeding.

IV. **Opinions and Conclusions:**

Between October 2010 and February 2014, my company pilots and I flew over the Ivanpah project a total of at least eight times. All of our flights were in a helicopter (Schweizer 300C, Robinson R- 22 or R-44). Here are some of the known specific flight dates:

6/5/12  
10/27/12  
3/19/13  
6/25/13  
9/5/13  
11/4/13  
5/9/14

We have flown over the site during all phases of the project, from initial construction through commissioning and full operations. My flights originated from the North Las Vegas airport with the Jean airport often used for refueling.

Each time, I flew over the Ivanpah site and extensively around the desert basin that also contains Interstate 15, Primm, etc. My altitude ranged from 500 to 6000 feet above the site.

We flew at dawn, sunrise, midday, late afternoon and dusk. Since September 2013, during most of my flights we witnessed flux testing or power production at the Ivanpah site. Never, during any of these flights, did I experience unsafe flying conditions because of reflections, glint or glare, from Ivanpah, heliostats or towers. The rule for all of my flights was and is safety first.

That said, I treated the site with respect following common sense rules to avoid looking at the sun or its reflection directly - rules which all experienced pilots should be familiar with and should follow.

# Matthew F. Binner

3308 W Colton Ave  
North Las Vegas, NV 89032  
(702) 355-7707 [matt\\_binner@yahoo.com](mailto:matt_binner@yahoo.com)

## **OBJECTIVE**

I am seeking a challenging and rewarding position as a Director of Operations to display my integrity, professionalism and sound judgment.

## **SUMMARY OF QUALIFICATIONS**

- Four years of FAR Part 135 experience flying Grand Canyon Tours
- Commercial Rotorcraft with Instrument Rating
- Private Single-Engine Land Fixed-Wing
- 4,381 Total hrs; 4,204 PIC Rotorcraft; 2,271 Turbine; 1,699 as flight instructor:
  - Experience in AS350B2, EC130B4, R44, R22, Schweizer 300C, Bell 206 L4, FH1100, Piper Arrow PA28/R and Cessna 172N
  - 1,242 hours in high-altitude environment (over 5000 ft density altitude)
  - 177 hours night
  - 113 hours simulated instrument
- 1835 hours PIC in the A-Star AS350
- Second Class Medical in October 2013; 6'1" tall, 200 lbs
- CFI in 1/07, CFII in 3/07 – Gold Seal Instructor Certificate 3/09

## **WORK EXPERIENCE**

1/2014- present	Designated Pilot Examiner - Helicopter Federal Aviation Administration
6/2013-present	Sunshine Helicopters Chief Pilot Las Vegas, NV (702) 763-9480
6/2009-6/2013	Sundance Helicopters Tour / Charter Pilot Las Vegas, NV (702) 736-0606
4/2009 – present	Airwork Las Vegas Inc President / Director / Chief Pilot Las Vegas, NV (702) 355-7707
4/2008 – 1/2012	702 Helicopters Chief Flight Instructor Las Vegas, NV (702) 338-9393
4/2007 – 2/2008	Silver State Helicopters Chief Flight Instructor, promoted from CFII 500 W Cheyenne Ave North Las Vegas, NV 89039
2003 – 2007	Eagle Satellite Bozeman, MT (800) 525-7093 Operations Manager, promoted from sales and installation.

## **EDUCATION**

2005 – 2008	Utah Valley University - A.A.S. Aviation Science Degree Orem, UT
2005 – 2007	Silver State Helicopters - CFII Butte, MT and Ogden, UT
1997 – 2000	Minnesota State College-Southeast Technical A.A.S. Sales Management & A.A.S. Retail Management Degrees Winona, MN

## **REFERENCES**

<u>Name</u>	<u>Contact</u>	<u>Relationship</u>
Peter Herchik	(702) 526-7966	FAA Practical Examiner Previous co-worker
Kurt Barton	(702) 289-0530	Previous Director of Operations
Tony Ferrari	(702) 348-8245	Previous co-worker, Pilot
Owen Park	(702) 528-3903	Previous co-worker, Pilot
Brad Bateman	(702) 339-6107	Previous Chief Pilot and GM, Pilot
Sean Moretz	(702) 696-8444	FAA Practical Examiner
Dave Fuqua	(701) 690-1182	Previous Employer
Steve Ritter	(406) 580-2851	Previous Employer

I have many more references available upon request.

## **SUMMARY**

Date of Availability: Immediately

Work Status: Authorized to work anywhere in the U.S.

Target Job: Full-time helicopter pilot.  
Willing to work anytime when needed, including overtime and weekends.

Target Company: A Quality company with safety as their #1 priority

Target Locations: Las Vegas, NV