



December 17, 2008

Via Overnight Mail

Chief, Environmental Enforcement Section
Environment and Natural Resources Division
U.S. Department of Justice
601 D. Street, NW, Room 2121
Washington, D.C. 20004
DOJ# 90-5-2-1-07717

Director, Air Enforcement Division
Office of Enforcement and Compliance Assurance
U.S. Environmental Protection Agency
Ariel Rios Building [2242A]
1200 Pennsylvania Avenue, N.W.
Washington, DC 20460

And Via Email (r9.aeo@epa.gov)

U. S. EPA, Region 9
Director, Air Division (AIR-1)
U.S. Environmental Protection Agency
75 Hawthorne Street
San Francisco, CA 94105

Re: *United States v. Nevada Power Co.* –
Report Confirming Completion of Solar Array Installation

Dear Madam/Sir:

Nevada Power Company hereby submits the attached report under Section VI, paragraph 52 of the Consent Decree (“Decree”) in the case of *United States v. Nevada Power Co.*, Case No. 2:07-cv-00771.

Paragraph 52 of the Decree directs Nevada Power Company to provide information necessary to determine compliance with the Decree. Since entry of the Decree, Nevada Power Company has satisfied the following requirements as specified in Paragraph 52 of the Decree:

Requirement	
1.	within sixty (60) calendar days following the completion of the Project required under this Consent Decree, Nevada Power shall submit to the United States a report that documents the date that the Project was completed.
2.	(The report shall detail) results of implementing the Project, including Nevada Power's estimate of the emission reductions or other environmental benefits achieved.
3.	(The report shall detail) the Project Dollars expended by Nevada Power in implementing the Project.
4.	Nevada Power will post a copy of this report on the company's website.

Should you have any questions please contact me at (702) 402-5669 or Kim Williams at (702) 402-2184.

“This information was prepared either by me or under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my evaluation, or the direction and my inquiry of the persons(s) who manage the system, or the person(s) directly responsible for gathering the information, I hereby certify under penalty of law that, to the best of my knowledge and belief, this information is true, accurate, and complete. I understand that there are significant penalties for submitting false, inaccurate, or incomplete information to the United States.”

Sincerely,



Starla Lacy
Executive, Environmental, Health and Safety
Nevada Power Company d/b/a NV Energy

Atch.

Cc: K. Williams D. Rekowski A. Giannantonio Clark File

**Solar Panel Installation - Vegas PBS
Channel 10 - KLVX
Completion Report**

**Submitted to US EPA as per:
United States v. Nevada Power Co.
Case No. 2:07-cv-00771**



December 2008

Introduction

As per Section VI, and beginning at paragraph 46 of the Consent Decree (“Decree”) in the case of United States v. Nevada Power Co., Case No. 2:07-cv-00771, NV Energy d/b/a/ Nevada Power funded \$400,000 toward a project to install approximately 40 kW (AC output) photovoltaic arrays on the new Vegas PBS, KLVX Channel 10 building in Las Vegas, Nevada. The project is hereinafter referred to as Vegas PBS.

Associated with the construction of the new Channel 10 building, Vegas PBS opted to also put forward their own additional funding to increase the total generating output of the solar panel installation to just over 180 kW. Representatives from Nevada Power toured the construction site and verified the installation progress during a site visit which occurred on September 17, 2008. At that point, over 70 kW of the total installation was completed, which exceeded the Nevada Power portion of the required contribution.

Combined with the Nevada Power funding, the Vegas PBS project as installed consists of 181.7 KW (gross DC output), and was completed on October 21, 2008. The installed cost was approximately \$8.26 per watt; therefore the \$400,000 in funds put forward by Nevada Power represented an installation of approximately 48.5 kw gross of solar rooftop generating capacity.

Nevada Power hereby certifies that, as of the date of (the referenced) Consent Decree, Nevada Power is not otherwise required by law to perform the Project described in the Decree, that Nevada Power is unaware of any other person who is required by law to perform the Project, and that Nevada Power will not use the Project, or portion thereof, to satisfy any obligations that it may have under other applicable requirements of law.

The cost proposal direct to Vegas PBS for the total installation of 181.7 KW is presented in Appendix A. A copy of the \$400,000 check receipt from Nevada Power, dated October 22, 2008 is presented in Appendix B, along with two photographs taken during the September site visit. A close out letter from Bombard electric dated October 21, 2008, providing the specifics regarding the installation is presented in Appendix C.

BENEFITS AS A RESULT OF INSTALLATION

AC Energy & Cost Savings

The 40 kW (net) solar panel installation is projected to generate approximately 73,600 kWh/yr. Assuming the cost of electricity is 10.9 ¢/kWh, this would result in a savings offset of over \$8,022.00 per year.

Emission Offsets

The provided emissions data below is calculated in compliance with Nevada Administrative Code, NAC704.2785 and derived from actual Nevada Power reported emissions and regional averages to account for purchased power.

SPECIFIC POUNDS PER EMISSION TYPE/MWHr– reported July 2008

Sulfur Dioxide 0.75
Carbon Dioxide 1,378.75
Carbon Monoxide 0.69
Particulate Matter 0.07
Volatile Organic Compounds 0.02
Oxides of Nitrogen 1.75

Using the above factors for the Nevada Power system, the installed solar panels will offset the following quantities of air pollutants each year:

Sulfur Dioxide – 55.2 pounds
Carbon Dioxide - 101,476 pounds
Carbon Monoxide - 50.8 pounds
Particulate Matter – 5 pounds
Volatile Organic Compounds – 1.5 pounds
Oxides of Nitrogen - 128.8 pounds

Appendix A

09 May 2008

Martin Harris Construction
Janice Robbins
3030 South Highland Drive
Las Vegas, NV 89109
702-385-5257
jrobbins@martinharris.com

RE: Solar Photovoltaic Power System
PROJECT: CCSD Vegas PBS

ATTN: Janice Robbins,

Bombard Electric wishes to thank you for the opportunity to offer this response to your **request for proposal**. Bombard Electric is the largest electrical contractor in the State of Nevada with the largest and most experienced solar electric division. Bombard Electric's Renewable Energy division boasts Southern Nevada's only NABCEP (North American Board of Certified Energy Practitioners) certified PV Installers on staff and all of our installation crews meet the new standards for licensed "photovoltaic installer" as defined by NRS 618.922. We are able to offer turnkey solutions including design, equipment and installation.

Bombard Electric would like to take this opportunity to **provide a proposal** for two options of installation of a Solar Photovoltaic Power System for the CCSD Vegas PBS project. This is at the request of Paul Minto with JMA Architecture. Option one is for a 241.5 KW Solar PV Power System that will require all useable and available roof space. Option two is for a 181.7 KW Solar PV Power System that will take advantage of the best available roof space. Both options use the most efficient modules available on the market today. The SunPower SPR-230-WHT-U solar modules, which carry a 25 year manufacturers power production warranty. The racking system and inverter have 10 year manufacturer's warranties. The remainder of the PV system will carry a two year Bombard Electric Installation warranty. The ballasted racking system will not require roof penetrations. There will be a "sacrificial layer" of roofing material installed by Bombard Electric that will help protect the roof at all points of contact between the rubber feet of the racking system and the roof.

Option 1 - 241,500 watts STC rating

- See attached drawing "Bombard PV Layout 241.5KW"
- Provide and Install 1,050 SunPower SPR-230-WHT Solar Modules
- Provide and Install PowerTilt T-10, Ballasted Racking System (Max 5lbs / ft²)
- Provide and Install all related Inverters, Switchgear, Wire and Electrical Equipment
- Provide and Install Web-based Monitoring package (weather station option available)
- Estimated annual production of 380,000 KWh/yr
- Will require slight relocation of Walk Paths on roof
- Conduit from roof to electric room performed by others
- Permit and Engineering not included

For a Lump Sum Price of:

One Million Nine Hundred Thousand and 00/100 Dollars (\$ 1,900,000)

Option 2 – 181,700 watts STC rating

- See attached drawing "Bombard PV Layout 181.7KW"
- Provide and Install 790 SunPower SPR-230-WHT Solar Modules
- Provide and Install PowerTilt T-10, Ballasted Racking System (Max 5lbs / ft²)
- Provide and Install all related Inverters, Switchgear, Wire and Electrical Equipment
- Provide and Install Web-based Monitoring package (weather station option available)
- Estimated annual production of 300,000 KWh/yr
- Will require slight relocation of Walk Paths on roof
- Permit and Engineering not included

For a Lump Sum Price of:

One Million Five Hundred Thousand and 00/100 Dollars (\$ 1,500,000)

Thank you for the opportunity to provide a proposal for a Solar PV Power System to your firm. We look forward to working with you on the development of this project.

Bo Balzar

Bombard Electric

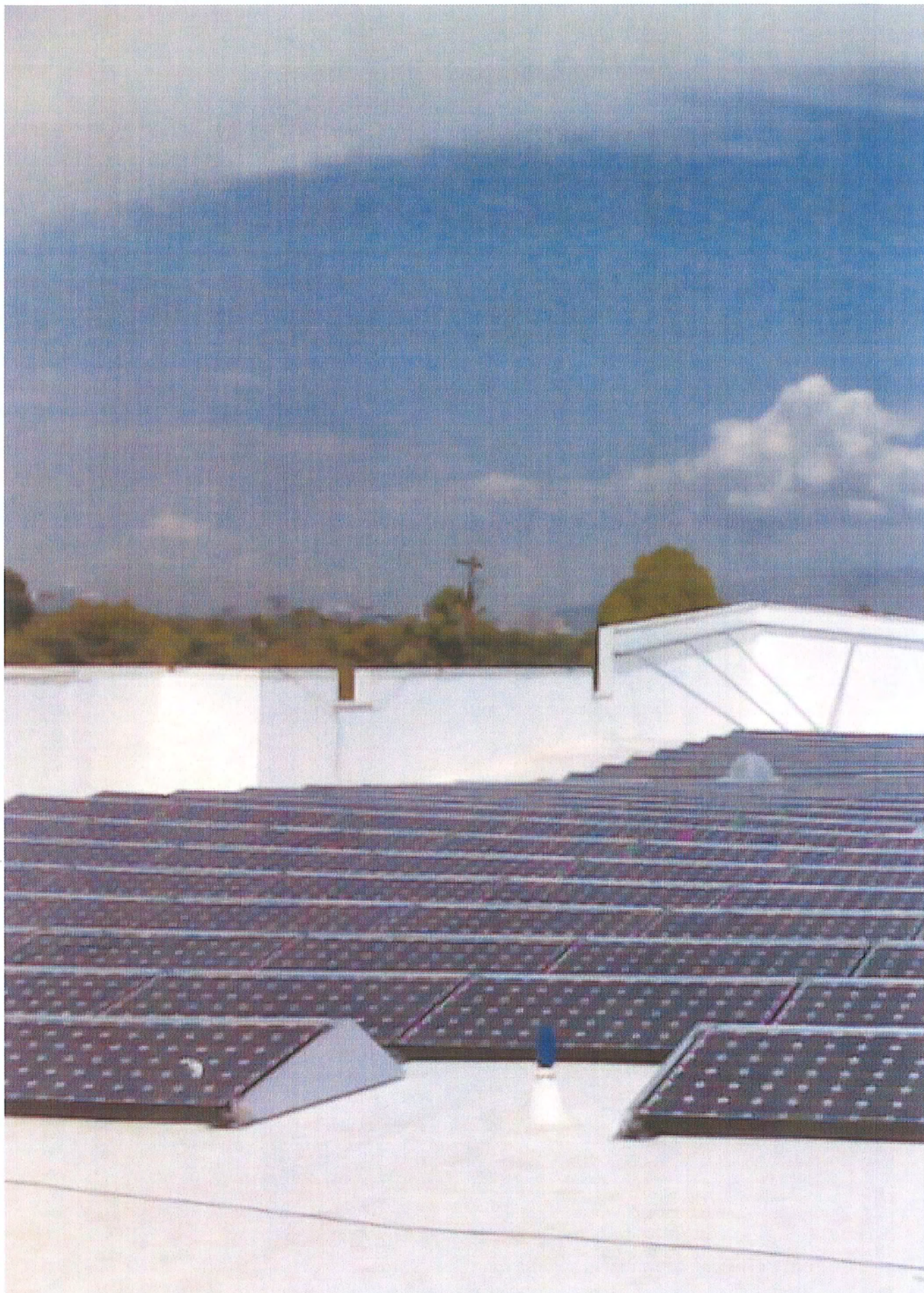
Appendix B

Check Date: Oct/22/2008

Check No. 1000189911

Invoice Number	Invoice Date	Voucher ID	Gross Amount	Discount Available	Paid Amount
ClarkConsentDecree STARLA LACY MS 30	Oct/20/2008	00411474	400,000.00	0.00	400,000.00

Vendor Number	Name		Total Discounts		
0000018054	Vegas PBS (KLVX Channel 10)		\$0.00		
Check Number	Date		Total Amount	Discounts Taken	Total Paid Amount
1000189911	Oct/22/2008		\$400,000.00	\$0.00	\$400,000.00





Appendix C

October 21, 2008

Tony Simmons
NV Energy
Metering Dept.

RE: PBS/DISTANCE LEARNING CENTER
159.388 KWAC PV system

Bombard Electric has installed a 181.7 KW DC system at PBS. The system consist of 790 each Sunpower SPR-230WHT solar modules with a STC (Standard Test Conditions) rating of 230 watts per module and a PTC & CEC rating of 213.5 watts per module. The combined modules are 181,700 watts STC and 168,665 watts PTC & CEC. The inverter is a Satcon AE-225-60-PV-A, 225 Kilowatts AC and is CEC rated at 94.5% efficient at 75% load. The AC output of this system is 159,388 or 159.388 KW AC using the NV Energy rating method (PTC module rating * inverter efficiency= KWAC).

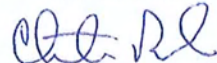
Respectfully,



Chris Brooks
Director Renewable Energy Division
Bombard Electric
cbrooks@bombardelec.com

CONTRACTOR

These plans are prepared and submitted by the contractor as an exemption to NRS 623.330 for work under contractor license category authorized under NRS 624

<u>BOMBARD ELECTRIC</u>	<u>Chris Brooks 2403</u>
Company Name	(Please Print)
<u>60327</u>	Contractor Representative OR
Contractor License Number	Master or Q I if Plumbing-
<u>CHRIS BROOKS</u>	Electrical and Number
Plans Prepared By	
	Signature