

AGREEMENT

34936

THIS AGREEMENT is made and entered, in duplicate, as of April 18, 2018, for reference purposes only, pursuant to Resolution No. RES-18-0056 adopted by the City Council of the City of Long Beach at its meeting on April 17, 2018, by and between ENVISION SOLAR INTERNATIONAL, INC., a Nevada corporation ("Contractor"), with a place of business located at 5660 EASTGATE DRIVE, SAN DIEGO, CA 92121, and the CITY OF LONG BEACH ("City"), a municipal corporation.

WHEREAS, Section 1802 of the Long Beach City Charter permits the City to make purchases under the purchasing contracts of other governmental agencies when authorized to do so by a resolution; and

WHEREAS, the City desires to purchase Two Solar-Powered Electric Vehicle Charging Stations ("Charging Stations"); and

WHEREAS, the STATE OF CALIFORNIA has a contract with ENVISION SOLAR INTERNATIONAL, INC., for the purchase of these Charging Stations, Contract No. #1-15-61-16 ("State Contract"); and

WHEREAS, the City's participation in the State Contract will facilitate acquisition of these Charging Stations as well as provide considerable cost benefits to the City; and

WHEREAS, Resolution No. RES-18-0056 authorizes the City to purchase Charging Stations by virtue of the State Contract;

NOW, THEREFORE, in consideration of the terms and conditions contained in this Agreement, the parties agree as follows:

1. The State Contract with Contractor, attached hereto as Exhibit "A", is incorporated by this reference as if fully set forth, and the same terms and conditions contained in the State Contract shall be applicable here except as follows:

A. Wherever the State Contract refers to the STATE OF CALIFORNIA, it shall be deemed to refer to the City of Long Beach;

1 B. Contractor shall sell, furnish and deliver to the City Charging
2 Stations of substantially the same type and kind purchased under the STATE OF
3 CALIFORNIA, except as modified by Exhibit "B" attached hereto and incorporated
4 by this reference, in an annual amount not to exceed One Hundred Fifty-Two
5 Thousand Fifty-Five Dollars (\$152,055), including tax and fees. To the extent that
6 the State Contract and this Agreement are inconsistent, the following priority shall
7 govern: (1) this Agreement and (2) the State Contract.

8 C. Payment for the Charging Stations purchased from Contractor
9 by the City shall be made by the City on delivery to and acceptance of the custodial
10 supplies by the City and submittal of an invoice to the City. Payment is due thirty
11 (30) days after the date of the invoice.

12 D. All warranties shall accrue to the City of Long Beach.

13 2. Neither this Agreement nor any money that becomes due to
14 Contractor under this Agreement may be assigned by Contractor without the prior written
15 consent of the City Manager or his designee.

16 3. Any notice given under this Agreement shall be in writing and
17 personally delivered or deposited in the U.S. Postal Service, return receipt, and shall be
18 delivered or mailed to Contractor at the relevant address first stated above, and to the City
19 at 333 West Ocean Boulevard, Long Beach, California 90802 Attn: City Manager. Notice
20 shall be deemed given three days after deposit in the mail.

21 4. The terms appearing on the State Contract are incorporated in this
22 Agreement.

23 5. Contractor shall cooperate with the City in all matters relating to self-
24 accrual of use tax. Contractor shall contact the City Treasurer for additional information
25 regarding self-accrual.

26 6. This Agreement and all documents which are incorporated by
27 reference in this Agreement constitute the entire understanding between the parties and
28 supersede all other agreements, oral or written, with respect to the subject matter of this

1 Agreement.

2 IN WITNESS WHEREOF, the parties have caused this document to be duly
3 executed with all formalities required by law as of the date first stated above.

4 ENVISION SOLAR INTERNATIONAL,
5 INC., a Nevada corporation

6 April 27, 2018

7 By [Signature]
8 Name Chris Carlson
9 Title CFO

10 May 3, 2018

11 By [Signature]
12 Name DEMOND WHITMAN
13 Title CEO

14 Tom Modica
15 Assistant City Manager

16 "Contractor"

17 EXECUTED PURSUANT
18 TO SECTION 301 OF
19 THE CITY CHARTER

20 CITY OF LONG BEACH, a municipal
21 corporation

22 May 14, 2018

23 By [Signature]
24 City Manager

25 "City"

26 This Agreement is approved as to form on May 9, 2018.

27 CHARLES PARKIN, City Attorney

28 By [Signature]
Deputy

OFFICE OF THE CITY ATTORNEY
CHARLES PARKIN, City Attorney
333 West Ocean Boulevard, 11th Floor
Lona Beach, CA 90802-4664

EXHIBIT "A"

City of
San Francisco
Department of
Public Works
Engineering Division
1001 Market Street
San Francisco, CA 94102



City of Long Beach – Fleet Services Bureau
Detailed Quote – Two (2) EV ARC™ with options

Description	Quantity	Unit Price	Extended
EV ARC™ [Attachment A2_Option 2 CLIN# 2C] <ul style="list-style-type: none"> • Twelve (12) 360-watt high quality solar modules • 24 kWh on-board battery storage (Standard) • Steel canopy and column • Steel high-traction ballast pad • Exclusive and Patented EnvisionTrak™ Sun Tracking • GRP thermal electronics enclosure • Integrated, timed LED lighting • 4G wireless WAN or Wi-Fi LAN connectivity • Remote System Monitoring (*) • 4G wireless WAN and Wi-Fi LAN connectivity 	2	\$56,350	\$112,700
Envision Charge <ul style="list-style-type: none"> • Three (3) J1772 couplers (a) 4.3kW maximum output delivered individually or (b) 1.4kW fixed maximum output per coupler. 	6	\$1,789	\$10,734
Storage Upgrade [Attachment A1_Option 1 CLIN# 10] <ul style="list-style-type: none"> • 32 kWh lithium ion storage per EV ARC™ 	2	\$4,911	\$9,822
E-Power Emergency Panel for HP <ul style="list-style-type: none"> • Installed on each EV ARC™ HP station • 6kW output with single and multi-phase outlets 	2	\$1,965	\$3,930
Bumper Stops (3) <ul style="list-style-type: none"> • Prevent collision with upright column 	2	\$365	\$730
Custom Paint and Branding <ul style="list-style-type: none"> • Choose custom paint scheme, logo and signage 	2	As Quoted	
System Subtotal			\$137,916
Tax 10.25%			\$14,136
Shipping			N/C
System Total			\$152,052
GRAND TOTAL			\$152,052

(*) Access DGS contract: <https://www.bidsync.com/DPX?ac=agencycontview&contid=115616>
 (*) Includes 1-year subscription



CITY OF LONG BEACH

PROPOSAL

Two (2) EV ARC™ Electric Vehicle Autonomous Renewable Charging Stations

Envision Solar thanks you for the opportunity to provide the EV ARC™ solar charging stations to the City of Long Beach. Please find below a product description and pricing. This pricing is valid for 30 days from the date below.

Proposal Date: March 14, 2018

DGS Contract #1-15-61-16*

Product Description:

The patented EV ARC™ is the world's first and only fully autonomous, transportable solar-powered electric vehicle charging station. Designed, engineered and manufactured in the US, the EV ARC™ measures 8' X 18' at the base pad and fits inside a standard parking space without reducing available parking. It is ADA compliant.

The EV ARC™ is deployed in minutes and does not require a building permit in most jurisdictions. It does not require civil or electrical engineering, foundations, trenching, electrical connections or upgrades. It will produce energy reliably and consistently but will not generate a utility bill.

Your EV ARC™ is American made product and will be fabricated in our San Diego, California facility.

BUYER:

City of Long Beach
Fleet Services Bureau
2600 Temple Avenue
Long Beach, CA 90806
Attn: John SeEVERS
Superintendent of Acquisitions

State Contract:
#1-15-61-16
DGS Contact Mgr. – Rudolph Jimenez

SELLER:

Envision Solar International, Inc.
5660 Eastgate Drive
San Diego, CA 92121
Attn: David Greenfader
Tel: 858.799.4585
Alt: 310. 961.4669

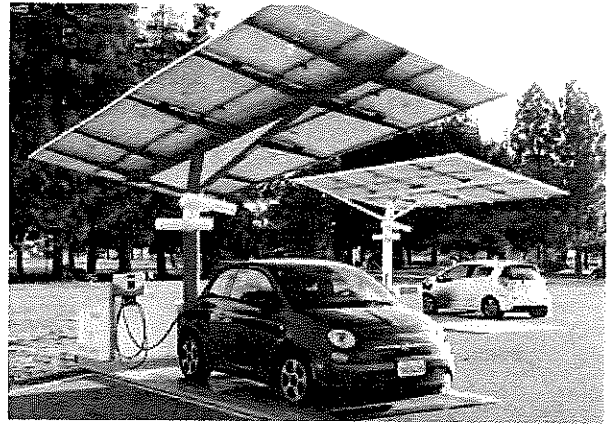


EXHIBIT “B”

Envision Solar International Inc.
Attachment F

STATE OF CALIFORNIA-DEPARTMENT OF FINANCE

PAYEE DATA RECORD

(Required when receiving payment from the State of California in lieu of IRS W-9)
STD. 224 (Rev. 8-2003)

1	<p>INSTRUCTIONS: Complete all information on this form. Sign, date, and return to the State agency (department/office) address shown at the bottom of this page. Prompt return of this fully completed form will prevent delays when processing payments. Information provided in this form will be used by State agencies to prepare Information Returns (1099). See reverse side for more information and Privacy Statement.</p> <p>NOTE: Governmental entities, federal, State, and local (including school districts), are not required to submit this form.</p>								
2	<p>PAYEE'S LEGAL BUSINESS NAME (Type or Print) Envision Solar International Inc.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">SOLE PROPRIETOR - ENTER NAME AS SHOWN ON SSN (Last, First, M.I.)</td> <td>E-MAIL ADDRESS info@envisionsolar.com</td> </tr> <tr> <td>MAILING ADDRESS 9270 Trade Place</td> <td>BUSINESS ADDRESS 9270 Trade Place</td> </tr> <tr> <td>CITY, STATE, ZIP CODE San Diego, CA 92126</td> <td>CITY, STATE, ZIP CODE San Diego, CA 92126</td> </tr> </table>			SOLE PROPRIETOR - ENTER NAME AS SHOWN ON SSN (Last, First, M.I.)	E-MAIL ADDRESS info@envisionsolar.com	MAILING ADDRESS 9270 Trade Place	BUSINESS ADDRESS 9270 Trade Place	CITY, STATE, ZIP CODE San Diego, CA 92126	CITY, STATE, ZIP CODE San Diego, CA 92126
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MAILING ADDRESS 9270 Trade Place	BUSINESS ADDRESS 9270 Trade Place								
CITY, STATE, ZIP CODE San Diego, CA 92126	CITY, STATE, ZIP CODE San Diego, CA 92126								
3	<p>ENTER FEDERAL EMPLOYER IDENTIFICATION NUMBER (FEIN): XXXXXXXXXX</p> <table style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p><input type="checkbox"/> PARTNERSHIP</p> <p><input type="checkbox"/> ESTATE OR TRUST</p> <p><input type="checkbox"/> INDIVIDUAL OR SOLE PROPRIETOR ENTER SOCIAL SECURITY NUMBER: </p> </td> <td style="width: 50%; vertical-align: top;"> <p>CORPORATION:</p> <p><input type="checkbox"/> MEDICAL (e.g., dentistry, psychotherapy, chiropractic, etc.)</p> <p><input type="checkbox"/> LEGAL (e.g., attorney services)</p> <p><input type="checkbox"/> EXEMPT (nonprofit)</p> <p><input checked="" type="checkbox"/> ALL OTHERS</p> </td> </tr> </table> <p style="text-align: right; font-size: small;">(SSN required by authority of California Revenue and Tax Code Section 18845)</p>	<p><input type="checkbox"/> PARTNERSHIP</p> <p><input type="checkbox"/> ESTATE OR TRUST</p> <p><input type="checkbox"/> INDIVIDUAL OR SOLE PROPRIETOR ENTER SOCIAL SECURITY NUMBER: </p>	<p>CORPORATION:</p> <p><input type="checkbox"/> MEDICAL (e.g., dentistry, psychotherapy, chiropractic, etc.)</p> <p><input type="checkbox"/> LEGAL (e.g., attorney services)</p> <p><input type="checkbox"/> EXEMPT (nonprofit)</p> <p><input checked="" type="checkbox"/> ALL OTHERS</p>	<p>NOTE: Payment will not be processed without an accompanying taxpayer I.D. number.</p>					
<p><input type="checkbox"/> PARTNERSHIP</p> <p><input type="checkbox"/> ESTATE OR TRUST</p> <p><input type="checkbox"/> INDIVIDUAL OR SOLE PROPRIETOR ENTER SOCIAL SECURITY NUMBER: </p>	<p>CORPORATION:</p> <p><input type="checkbox"/> MEDICAL (e.g., dentistry, psychotherapy, chiropractic, etc.)</p> <p><input type="checkbox"/> LEGAL (e.g., attorney services)</p> <p><input type="checkbox"/> EXEMPT (nonprofit)</p> <p><input checked="" type="checkbox"/> ALL OTHERS</p>								
4	<p>PAYEE RESIDENCY STATUS</p> <p><input checked="" type="checkbox"/> California resident - Qualified to do business in California or maintains a permanent place of business in California.</p> <p><input type="checkbox"/> California nonresident (see reverse side) - Payments to nonresidents for services may be subject to State income tax withholding.</p> <p style="margin-left: 20px;"> <input type="checkbox"/> No services performed in California. <input type="checkbox"/> Copy of Franchise Tax Board waiver of State withholding attached. </p>								
5	<p>I hereby certify under penalty of perjury that the information provided on this document is true and correct. Should my residency status change, I will promptly notify the State agency below.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">AUTHORIZED PAYEE REPRESENTATIVE'S NAME (Type or Print) David Greenfader</td> <td>TITLE VP - Strategic Business Development</td> </tr> <tr> <td>SIGNATURE </td> <td>DATE 06/01/2015</td> </tr> <tr> <td></td> <td>TELEPHONE (310) 961-4669</td> </tr> </table>			AUTHORIZED PAYEE REPRESENTATIVE'S NAME (Type or Print) David Greenfader	TITLE VP - Strategic Business Development	SIGNATURE 	DATE 06/01/2015		TELEPHONE (310) 961-4669
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SIGNATURE 	DATE 06/01/2015								
	TELEPHONE (310) 961-4669								
6	<p>Please return completed form to:</p> <p>Department/Office: _____</p> <p>Unit/Section: _____</p> <p>Mailing Address: _____</p> <p>City/State/Zip: _____</p> <p>Telephone: (____) _____ Fax: (____) _____</p> <p>E-mail Address: _____</p>								

ATTACHMENT E SUPPLIER PERFORMANCE REPORT

GENERAL INFORMATION																								
NAME:				TELEPHONE #:				EMAIL:						DATE:										
DEPARTMENT NAME:										AGENCY ORDER #:														
CONTRACTOR NAME:										LEVERAGED PROCUREMENT AGREEMENT #:														
<i>(check all applicable boxes)</i>																								
DELIVERY DATE(S)		DELIVERY							SPECIFICATION						CONSEQUENCES			ACTIONS						
Purchase Order Required Delivery Date(s)	Actual Delivery Date(s)	Compliant	Late	Early	Partial	Short	Over	Non-Delivery	Other <i>(explain in comments)</i>	Compliant	Poor Quality	Wrong Brand	Wrong Product	Marking/Packaging	Palletization	Other <i>(explain in comments)</i>	Operational Changes	Unscheduled Overtime	Emergency Purchase(s)	Excessive Admin. Time	Other <i>(explain in comments)</i>	Accepted	Rejected	Other <i>(explain in comments)</i>
COMMENTS: <i>Include all applicable information (issue, event, date, time)</i>																								

Return completed form with any applicable attachments to the DGS Buyer/Contract Administrator:

DGS - Procurement Division
 Acquisitions & Contracts Section
 707 3rd Street, 2nd Floor, MS 201
 West Sacramento, CA 95605
 Facsimile: (916) 375-4613

Attachment D

Non-Core Catalog

Optional Feature	Value	MSRP	10% Discount	DGS PRICE
Column Mounted Color Status Lights	highly visible LEDs which show EV ARC™ readiness, in use etc.	\$2,002.00	\$200.00	\$1,802.00
Grid Connect [Requires 240V grid Input]	Connects EV ARC to the grid to enabled interactive features based on customer requirements. Features include selling excess solar power, topping off internal storage, and backing up EV charging	\$1,430.00	\$143.00	\$1,287.00
Timer Controlled Charging	allows customer to place time limits on charging	\$715.00	\$72.00	\$643.00
Additional Battery Pack	increases energy storage from 24 kWh to 30 kWh	\$4,851.00	\$485.00	\$4,366.00
Individual Battery Monitoring	shows health of individual batteries as well as total storage system	\$1,859.00	\$186.00	\$1,673.00
120v and USB Outlets	allows users to charge 120v and USB device e.g. cell phone, laptop, wheelchair	\$644.00	\$64.00	\$580.00
47" Outdoor Digital Screen	allows user to deliver digital content wirelessly to an outdoor screen	\$14,976.00	\$1,498.00	\$13,478.00
60" Outdoor Digital Screen	allows user to deliver digital content wirelessly to an outdoor screen	\$16,976.00	\$1,698.00	\$15,278.00
Bench Seating	creates a comfortable, shaded bench for EV ARC™ users or passersby	\$1,496.00	\$150.00	\$1,346.00
Standard Branding package	select one of several color schemes and add logos and branding on enclosure and or column	\$1,875.00	\$188.00	\$1,688.00
Deluxe Branding package	customized color scheme, glass branding valance with multi-color lighting, ballast pad branding and other enhancements	As Quoted	As Quoted	As Quoted



COMPONENT MANUFACTURER WARRANTY

UL / ETL listed components:

- **OUTBACK** Inverter
5-year limited warranty
 - http://www.outbackpower.com/downloads/warranty_and_safety/900-0142-10-00_REV_C_PART.pdf
- **SOLAR WORLD** PV Modules (**EV ARC™ 2 & 3**)
25-year linear warranty with a maximum performance degradation of 0.7%/yr in course of 25 years.
 - <http://www.solarworld-usa.com/technical-downloads/warranties-certifications>
- **SUNPOWER** PV Modules (**EV ARC™ 4**)
25-year warranty with a maximum performance degradation of 0.25%/yr in course of 25 years.
 - <http://us.sunpower.com/sites/sunpower/files/media-library/data-sheets/ds-x21-series-335-345-residential-solar-panels-datasheet.pdf>
- Envision ARC™ Power Storage
2-year warranty. Expected lifespan 5000 cycles. Lithium ion.
- Wireless Communications – 3-year product warranty
- EnvisionTrak™ Slew Drives – 1-year limited warranty (non-transferable; we assume this under our product warranty)
- EnvisionTrak™ Motors – 1-year limited warranty
- EnvisionTrak™ Tracking Controls – 1-year limited warranty
- EnvisionTrak™ Lighting – 1-year limited warranty
- DC-DC Converter – 2-year limited warranty



PRODUCT WARRANTY

EV ARC™ 2, 3, 4 station with EnvisionTrak™

STATE OF CALIFORNIA
Department of General Services - Procurement Division



Envision Solar hereby warrants EV ARC™, models 2, 3 and 4 transportable solar EV charging stations sold by it, to be free from defects in material and workmanship. Standard warranty for EV ARC™ 2, 3 and 4 is **12 months (1 year)**. Additionally all major component manufacturer's warranties are passed through to customer.

Envision Solar's Responsibilities: If a defect in material or workmanship is found during the standard warranty period or extended warranty if applicable, Envision Solar will repair or replace our Work.

Limitations: Envision Solar is not responsible for - failures resulting from any use or installation which Envision Solar judges improper. Failures resulting from attachments, accessory items and parts not sold or approved by Envision Solar - failures resulting from abuse, neglect and/or improper repair. Failures resulting from user's delay in making the product unavailable after being notified of a potential product problem. Failures resulting from unauthorized repairs or adjustments. Damage to parts, fixtures, housings, attachments, and accessory items, which are not part of the offering.

Envision Solar further agrees, after being given timely notice of a warrantable failure and promptly making the product available for repair will respond in a reasonable period of time and commence with due diligence all Work necessary to fulfill the terms of this warranty and to complete the Work within a period of time stipulated in writing.

Date: June 1, 2015

Signed:

A handwritten signature in black ink, appearing to be "D. Wheatley", written over a horizontal line.

Desmond Wheatley, CEO
Envision Solar International, Inc.



EV ARC™

Autonomous Renewable Charger

EV ARC™ Models:

EV ARC™ 2

EV ARC™ 3

EV ARC™ 4

PRODUCT SPECIFICATIONS

Electrical

Solar Capacity	W	2565 / 3420 / 4140
Total Battery Capacity	kWh	24 (Optional upgrade to 30 kWh)
Usable EV Charging Capacity	kWh	18
Max EV Charger (EVCS) Output	kW	3.8*

**EVCS output is de-rated from factory setting of 7.2kW*

Performance

EV Percent Battery Charge	%	100 / 94 (2012 Volt / 2012 Leaf)
EV Hours to Percent Charge	hr	4 / 6.5 (2012 Volt / 2012 Leaf)
User Outputs	AC	1x 240V, 16A SAE J1772
Internal Buses	AC	2x 120V, 25A
	AC	1x 120/240V, 25A
	DC	1x 24V, 25A (Regulated)
	DC	1x 42-58.8V, 175A (Unregulated)
User Input*	AC	1x 120V, 30A 2P3W Shore Power Inlet

Communications 3G CDMA/EVDO

Environmental

Operating Ambient Temperature °F (°C) -40 to 122 (-40 to 50)

**Internal neutral to ground bond switching within inverters*

SECTION 3 – PARKING AREA PREP (To Be Completed by CUSTOMER At Least 24 HOURS Prior to Delivery)

Initial each blank to confirm item is complete and email a photo of the prepped location with a copy of this sheet to support@envisionsolar.com.

1. Spray paint an X on the chosen parking space. Please use a light or flourecent colored construction paint. Cones have a tendency to move on their own, so please use a semi-permanent alternative if paint is not an option. _____
2. Block off the surrounding parking spaces according to cones (triangles) shown in *Figure 4*. _____

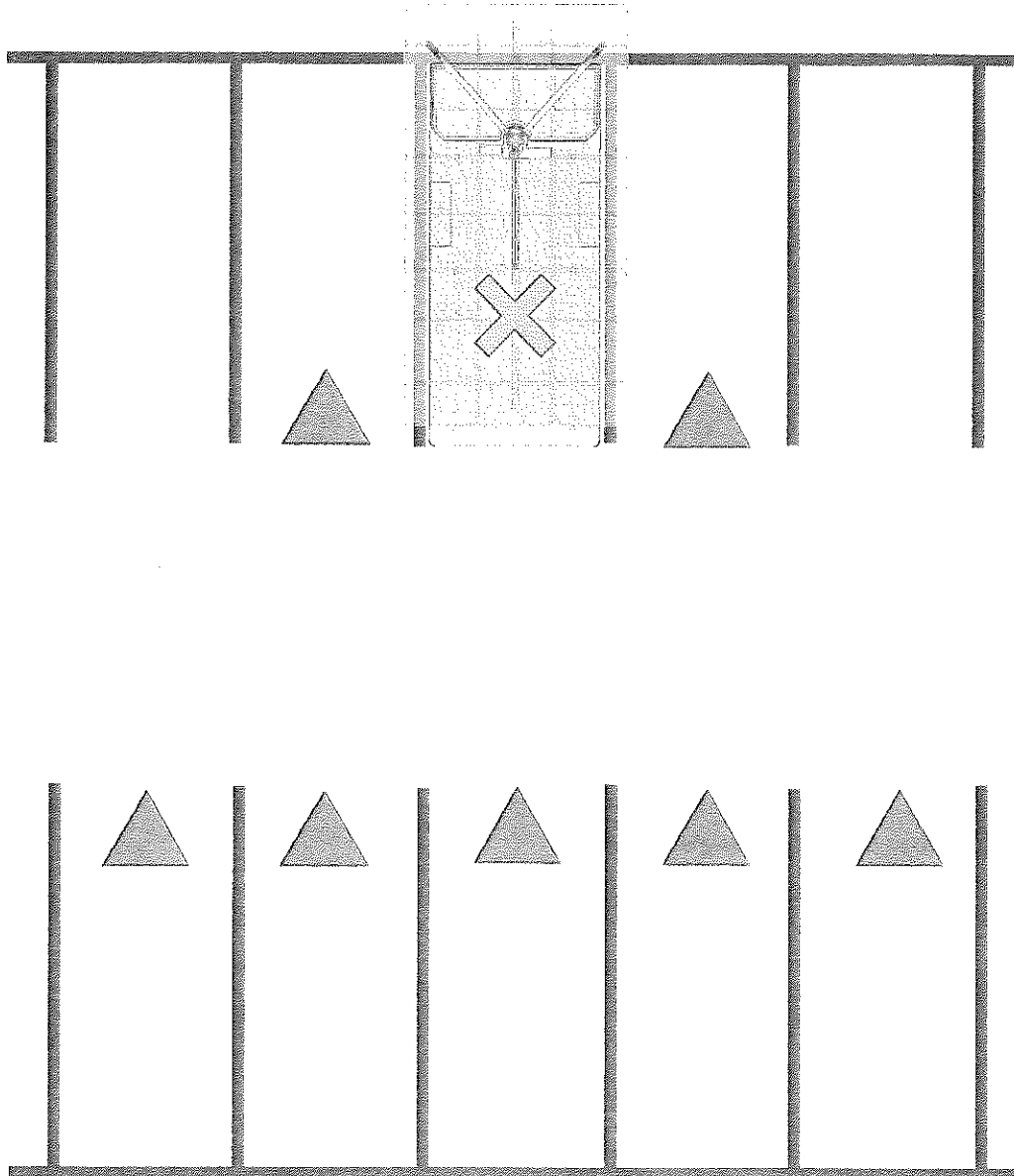


Figure 4 – Top View Parking Area Preparation Detail

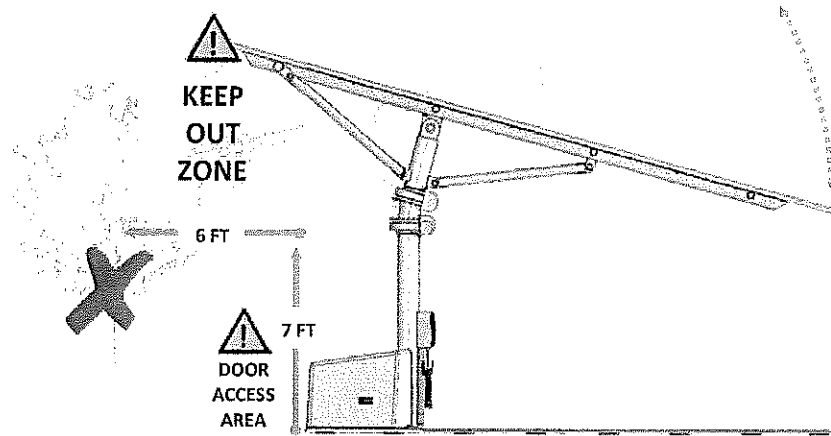


Figure 1 (Side View) – Aft Keep Out Detail (Fore and Aft Tracking Range)

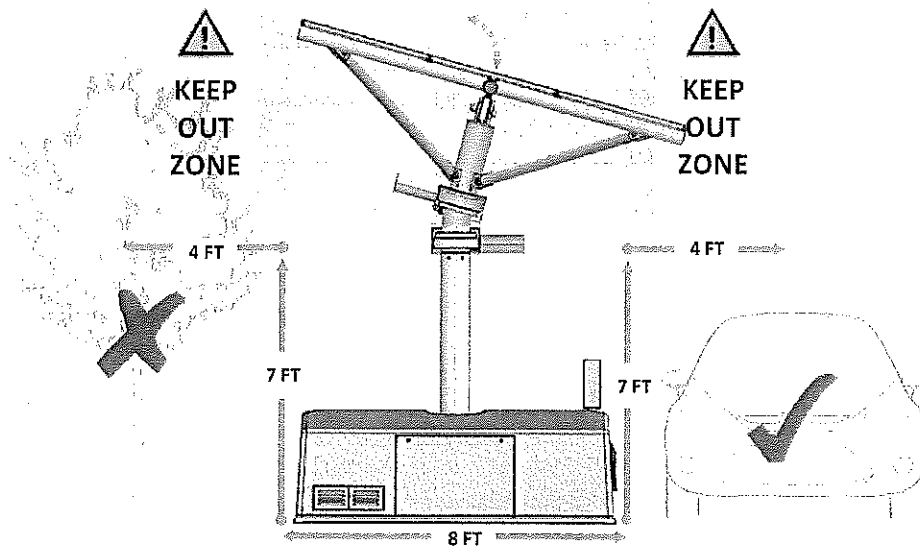


Figure 2 (Back View) – Side Keep Out Detail (Fore and Side Tracking Range)

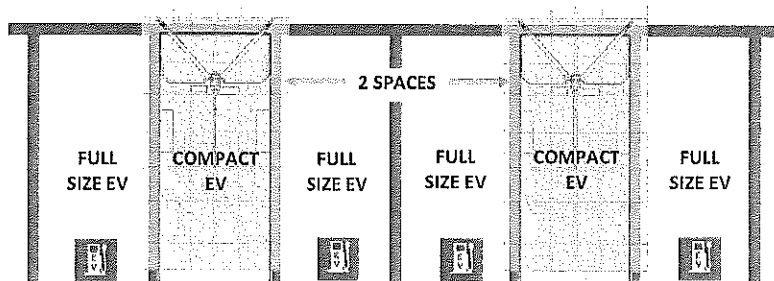


Figure 3 (Top View) – Multi-Unit Positioning and Suggested Space Designation

OVERVIEW

An EV ARC™ station complete with EnvisionTrak® will follow the sun through the day. This means the solar array will move to maintain the best incidence angle with the sun. As a result, there are spatial requirements around a parking space that must be met to guarantee uninterrupted operation at peak performance. Additionally the delivery truck and ARC Mobility trailer require space to maneuver during deployment. Therefore it is important to ensure the surrounding area also provides enough space for delivery.

This document is meant to confirm the final location is compatible with the EV ARC™ station's operation and deployment. Google Maps does not always provide the most up to date imaging of a location so we rely on an in person survey of the parking space and surrounding area. **You, as the CUSTOMER are responsible for Sections 1 and 3.** Envision Solar will complete Section 2.

SECTION 1 – PARKING SPACE INITIAL EVALUATION (To Be Completed by CUSTOMER At Least 30 DAYS Prior to Delivery)

Potential parking spaces must pass all of the following requirements. Initial in each blank to confirm item is met or completed. Email all required information and a copy of this sheet to support@envisionsolar.com.

1. Use **Figures 1 through 3** to confirm there are no PERMANENT stationary objects (i.e. trees, walls, fences, light posts) within the required **KEEP OUT ZONES** at each potential parking space. _____
2. Confirm enclosure door access area (**Figure 1**) will not be not blocked by a barrier (i.e. wall, fence, or tall plant). Curbs and small plants are OKAY. Door access requires at least 2 feet of space. _____
3. Provide photos of each potential parking space and the immediate surrounding area. _____
4. Provide descriptions and photos of any nearby permanent stationary objects above 13ft that are outside of the **KEEP OUT ZONES**. If area is clear please write NONE. If more space is required please detail in your email.

5. Provide North oriented Google Maps image(s) of parking area(s) and label the exact potential space position(s). _____
6. Note any clearance issues at parking lot entrances. Minimum required clearance is 14.5ft. _____

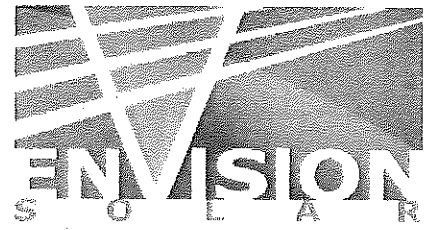
7. Ensure wheel stops are removed from the potential parking space. _____
8. Sign below to confirm all requirements and tasks have been met or completed.

Location Address	Signature	Date
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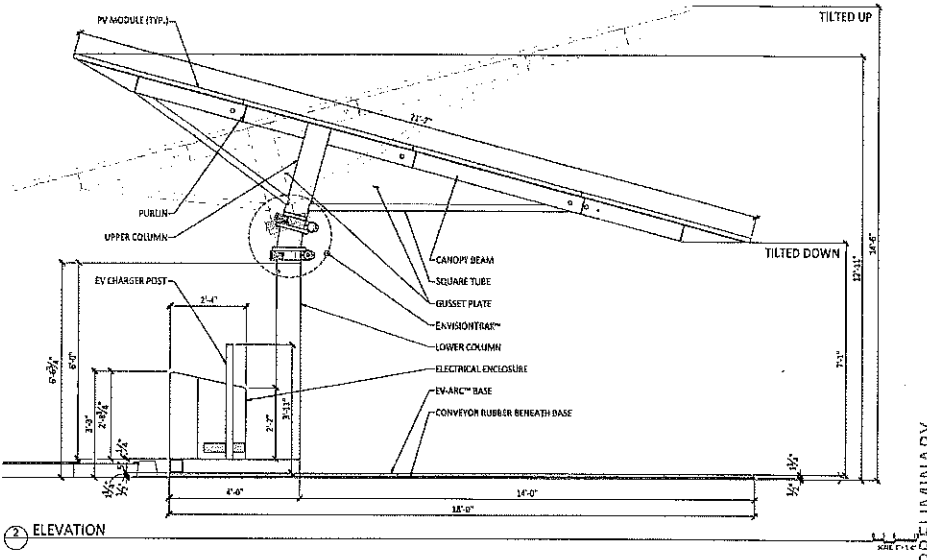
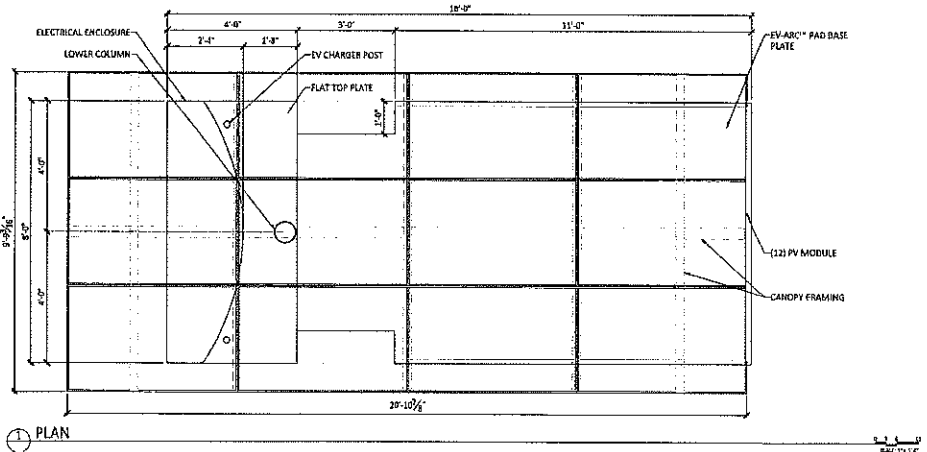
SECTION 2 – PARKING SPACE REVIEW AND ACCEPTANCE (To Be Completed By ENVISION SOLAR)

1. Review all provided photos to confirm space is free of any possible interferences. _____
2. Complete shading study if required based on locations of objects above 13ft and Google Maps images. _____
3. Confirm parking area will be navigable for truck and trailer. _____
4. Sign below to confirm parking space is acceptable.

Signature	Date
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EV ARC™ LOCATION SELECTION AND PREP GUIDE

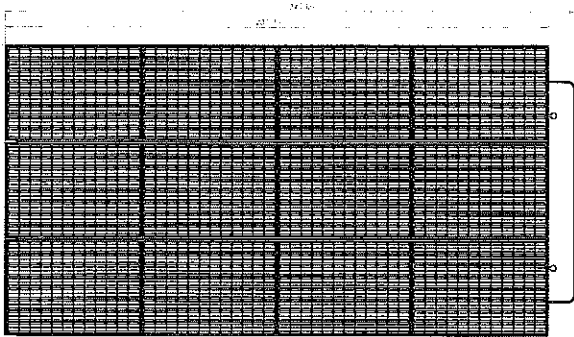


09-12-13
 PRELIMINARY

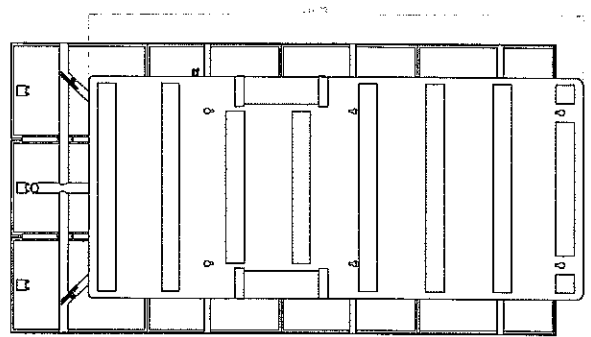
CM
 OVERALL
 12 PV MODULE
 EV-ARC™

PRELIMINARY

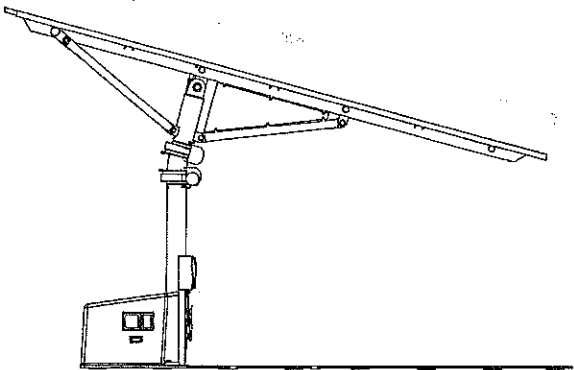
A1.1



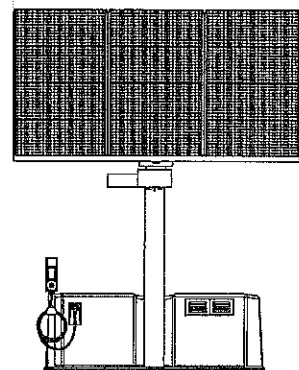
TOP VIEW
SCALE 1:100



BOTTOM VIEW
SCALE 1:100



LEFT SIDE VIEW
SCALE 1:50



FRONT VIEW
SCALE 1:100

DATE: 06-26-2018		PROJECT: [REDACTED]	
BY: [REDACTED]		DRAWN: [REDACTED]	
 VISION ADVANCED SOLAR TECHNOLOGICAL, INC. 100 INDUSTRIAL PARKWAY SUITE 1000 LITTLE ROCK, AR 72205 (501) 261-1111 www.visionar.com			
<small> ALL RIGHTS RESERVED. THIS DRAWING IS THE PROPERTY OF VISION. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. ANY REUSE OR MODIFICATION OF THIS DRAWING WITHOUT THE WRITTEN PERMISSION OF VISION IS STRICTLY PROHIBITED. </small>			
NO. 001	DATE: 06-26-2018	FABRICATION DRAWING	
REV. 001	DATE: 06-26-2018	(PRINTED ON SMALL PAPERWORK)	
DATE: 06-26-2018	DATE: 06-26-2018	BY: [REDACTED]	
DATE: 06-26-2018	DATE: 06-26-2018	IN: [REDACTED]	
DATE: 06-26-2018	DATE: 06-26-2018	BY: [REDACTED]	
DATE: 06-26-2018	DATE: 06-26-2018	IN: [REDACTED]	
DATE: 06-26-2018	DATE: 06-26-2018	BY: [REDACTED]	
DATE: 06-26-2018	DATE: 06-26-2018	IN: [REDACTED]	

A smart charger is:

- Network ready with all required hardware/software included
- Compliant to Open Charge Point Protocol (OCPP 1.5 or later) to communicate with a network management system (NMS)
- Available as a gateway or non-gateway

3.0 Optional Services

3.1 Network Services

When required by the State, Envision can configure and activate (minimum 12 months) the smart charger to connect to a State selected network provider (i.e. Chargepoint, EV Connect, OP Connect, etc.) available on a statewide contract.

3.2 Point of Sale (POS) and Payment Processing Services

When required by the State, Envision can provision the smart charger to provide POS capability that accepts payment by credit card, debit card and/or smartphone. The POS would be certified to one or both of the State's EPAY Master Service Agreement contractors for card processing.

When required by the State, Envision can also configure and activate (minimum 12 months) the smart charger payment processing to utilize a State selected contractor from the State's EPAY Master Service Agreement.

3.3 Wireless Telemetry

When required by the State, Envision can configure and activate (minimum 12 months) the EV ARC wireless telemetry capability to allow the State to monitor, access and control the system remotely via the web. Capabilities can include:

- monitoring of the battery charging system
- Monitoring/controlling the canopy system
- Standard reporting

4.0 Miscellaneous Requirements

4.1 Manual

Envision includes a User/Operator manual with each unit delivered.

4.2 Basic Training

Envision provides a basic operational training with each unit delivered.



STATE OF CALIFORNIA

Bid Description

6116-3098

Envision - EV Autonomous Renewal Charger ATTACHMENT B

1.0 SCOPE

This bid description is for a turn-key Envision EV Autonomous Renewal Charger (EV ARC), a fully self-contained, transportable solar-powered (photovoltaic), EV charging station.

2.0 DESCRIPTIONS

The EV ARC includes all hardware and software required for a fully functional, portable, solar-powered EV charging system.

2.1 Standard Functions/Features

- a. Ballasted Pad (no foundation or trenching)
- b. Fits into a single parking space 9'x18' in dimensions
- c. Rated to survive 110mph winds
- d. Sun tracking technology for maximum power
- e. Photovoltaic Array Module
- f. 7.5' standard minimum clearance
- g. On board battery storage
- h. Level 1, Level 2, and/or Level 1/2 EV charger(s) options
- i. ADA compliant

2.2 Photovoltaic Array system

The photovoltaic (PV*) array consists of:

- a. Photovoltaic (solar) panels - to absorb and directly convert sunlight into electricity
- b. Solar inverter - to change the electrical current from DC to AC
- c. Solar tracking system - to improve the system's overall performance
- d. Integrated battery solution - 22kWh
- e. Mounting, cabling and other electrical accessories

*PV systems convert light directly into electricity unlike other technologies, such as concentrated solar power (CSP) and solar thermal used for heating and cooling.

2.3 Charging Stations

The EV ARC charging station can be provided by Envision or provided by the State. If State provided, the charging station would be purchased from one of the current statewide contracts and shipped to Envision for install into the EV ARC for a turnkey solution.

The charging stations:

- Include a cord management system (cord hanger, automatic retraction, etc.)
- Are Level 1, Level 2, or Level 1/Level 2 combination
- Are Basic (not-networked) or smart (networked)

CORE ITEMS - SOLAR SYSTEMS "EV ARC 2,3 & 4" WITHOUT CHARGERS						
Contract Line Item # (CLIN)	Item Description	UNSPSC	Manufacturer Name	SKU or Item No.	Unit of Measure	Contract Unit Price
2A	EV ARC 2- 2.5 kW DC -9 PV Panels- Solar System	72153701	Envision Solar	2	Each	\$ 41,650.00
2B	EV ARC 3- 3.3 kW DC-12 PV Panels Solar System	72153701	Envision Solar	3	Each	\$ 46,550.00
2C	EV ARC 4- 4.1 kW DC-12 PV Panels Solar System	72153701	Envision Solar	4	Each	\$ 56,350.00
CORE ITEMS - NETWORK SERVICES						
Contract Line Item # (CLIN)	Item Description	UNSPSC	Manufacturer Name		Unit of Measure	Contract Unit Price
2D	Remote monitoring and management system (Envision) EV ARC Services. Each EV ARC unit is equipped with Wireless communications & 24/7 State-of-Health monitoring. Each EV ARC™ unit is equipped with a wireless 3G CDMA/EVDO router on the cellular network. The Inverter is networked and can be accessed remotely over the web. This provides "state of health" monitoring of the battery charging system, providing real-time status of PV, battery charge, and inverter operation. EnvisionTrak™: Exclusive & Patented Sun-Tracking Technology is a networked system and can be accessed and controlled remotely over the web. Upon purchase, client will be provided with a log in and instructions for how to use the solar tracking controls. This system will allow purchaser to view or manage information about the tracking system remotely, and allow us to see the canopy's position in real time, send commands to the controller, and generates warnings, alerts, and notifications of system operation. Nearly all troubleshooting (if needed) can be done remotely. (Service is included in the unit price for the first twelve (12) months)	72153701	Envision Solar		Annually	\$ 360.00
CORE - ITEM OPERATIONS, MAINTENANCE & REPAIR SERVICES						
Contract Line Item # (CLIN)	Item Description	UNSPSC	Manufacturer Name		Unit of Measure	Contract Unit Price (Qty. 1-5)
2E	During Weekend, Holidays, and After Regular Business Hours	72153701	Envision Solar		Hourly	\$ 216.00
2F	During Regular Business Hours (M-F 8:00AM - 5:00PM)	72153701	Envision Solar		Hourly	\$ 144.00
2G	Operations & Maintenance: Plan includes PV Panel Cleaning, Grease Slow drives, Check Calibration of Envision Trak, Check Battery Charging Systems, Settings, Performance of Inverter, Overall Condition of Structure and Inspect & Confirm Operation of EV Charger. (Service is included for the 1st twelve months)	72153701	Envision Solar		Annually	\$ 582.75
2H	Relocation Transportation Services: Services include relocating unit from original destination to another location. NOTE: An hourly relocation timeline charges begins from Envision Solar in San Diego CA to pickup and new destination location.	72153701	Envision Solar		Hourly	\$ 225.00

OPTION 1

ATTACHMENT A

1S	Network Services for Blink enabled smart charging equipment (EVSE). First 12 months of service included in EV ARC purchase price. Annual subscription cost per plug.	7E+07	Envision Solar	Annually (per plug)	1	\$270.00	0.00%	\$ 270.00
CORE - ITEM OPERATIONS, MAINTENANCE & REPAIR SERVICES								
Contract Line Item # (CLIN)	Item Description	UNSPSC	Manufacturer Name	Unit of Measure	Qty in Unit of Measure	List Price/M SRP	Contract Discount	Contract Unit Price
IT	During Weekend, Holidays, and After Regular Business Hours	7E+07	Envision Solar	Hourly	1	\$240.00	10.00%	\$216.00
1U	During Regular Business Hours (M-F 8:00AM - 5:00PM)	7E+07	Envision Solar	Hourly	1	\$160.00	10.00%	\$144.00
1V	Slew drives, Check Calibration of Envision Trak, Check Battery Charging Systems, Settings, Performance of Inverter, Overall Condition of Structure and Inspect & Confirm Operation of EV Charger. (Service is included for the 1st twelve months)	7E+07	Envision Solar	Annually	1	\$647.50	10.00%	\$582.75
1W	Relocation/transportation services. Services include relocating unit from original destination to another location. NOTE: An hourly relocation timeline charges begins from Envision Solar in San Diego CA to pickup and new destination location.	7E+07	Envision Solar	Hourly	1	\$250.00	10.00%	\$225.00
NON-CORE ITEM CATALOG DISCOUNTS								
Item Description		Contract Discount %						
Contractor's Catalog - Non-Core Items		10%						

OPTION 1

ATTACHMENT A

1L	EV ARC 4 - 4.1 kW DC - 12 PV panel Solar System with Blink Pedestal single level-2 smart/networked charging station.	7E+07	Envision Solar	EV ARC 4 (Blink L2 Pedestal)	Each	1	\$60,950.00	2.00%	\$ 59,731.00
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CORE ITEM - ACCESSORIES

Contract Line Item # (CLIN)	Item Description	UNSPSC	Manufacturer Name	Manufacturer Model No.	Unit of Measure	Qty in Unit of Measure	List Price/MSRP	Contract Discount	Contract Unit Price
1M	standard truck with 11k pd. Ball mount towing capacity. (recommended for in town transportation)	7E+07	Envision Solar	AM-1	Each	1	\$22,375.00	2.00%	\$ 21,927.00
1N	system for gooseneck bed mounted ball hitch. (recommended for highway transportation)	7E+07	Envision Solar	AM-2	Each	1	\$25,035.00	2.00%	\$ 24,534.00
1O	30kWh	7E+07	Envision Solar	ABP	Each	1	\$5,011.00	2.00%	\$ 4,911.00
1P	AC and USB Outlets- allows users to charge 120V and USB device e.g. cell phone, laptop, wheelchair	7E+07	Envision Solar	GB1	Each	1	\$644.00	10.09%	\$ 579.00

CORE - ITEM NETWORK SERVICES

Contract Line Item # (CLIN)	Item Description	UNSPSC	Manufacturer Name	Unit of Measure	Qty in Unit of Measure	List Price/MSRP	Contract Discount	Contract Unit Price
1Q	Remote Monitoring and Management System (RMMS)- EV ARC Services. Each EV ARC™ unit is equipped with Wireless communications & 24/7 State-of-Health monitoring. Each EV ARC™ unit is equipped with a wireless 3G CDMA/EVDO router on the cellular network. The Inverter is networked and can be accessed remotely over the web. This provides "state of health" monitoring of the battery charging system, providing real-time status of PV, battery charge, and inverter operation. EnvisionTrak™: Exclusive & Patented Sun-Tracking Technology is a networked system and can be accessed and controlled remotely over the web. Upon purchase, client will be provided with a log in and instructions for how to use the solar tracking controls. This system will allow purchaser to view or manage information about the tracking system remotely, and allow us to see the canopy's position in real time, send commands to the controller, and generates warnings, alerts, and	7E+07	Envision Solar	Annually	1	\$360.00	0.00%	\$ 360.00
1R	Network Services for Chargepoint enabled smart charging equipment (EVSE). First 12 months of service is included in EV ARC purchase price. Annual subscription cost per plug.	7E+07	Envision Solar	Annually (per plug)	1	\$270.00	0.00%	\$ 270.00

OPTION 1

ATTACHMENT A

CORE ITEMS - Solar Systems "EV ARC 2, 3 & 4" with Smart Chargers									
Contract Line Item # (CLIN)	Item Description	UNSPSC	Manufacturer Name	Manufacturer Model No.	Unit of Measure	Qty in Unit of Measure	List Price/MSRP	Contract Discount	Contract Unit Price
1A	EV ARC 2 - 2.5 kW DC - 9 PV Panels - Solar System with Chargepoint CT4013-GW1, single level-2 smart/networked charging station.	7E+07	Envision Solar	EV ARC 2 (CP CT4013-GW1)	Each	1	\$47,571.00	2.00%	\$ 46,620.00
1B	EV ARC 3 - 3.3 kW DC - 12 PV Panels - Solar System with Chargepoint CT4013-GW1, single level-2 smart/networked charging station.	7E+07	Envision Solar	EV ARC 3 (CP CT4013-GW1)	Each	1	\$52,571.00	2.00%	\$ 51,520.00
1C	EV ARC 4 - 4.1 kW DC - 12 PV Panels Solar System with Chargepoint CT4013-GW1, single level-2 smart/networked charging station.	7E+07	Envision Solar	EV ARC 4 (CP CT4013-GW1)	Each	1	\$62,571.00	2.00%	\$ 61,320.00
1D	EV ARC 2 - 2.5 kW DC - 9 PV Panels - Solar System with Chargepoint CT4023-GW1, dual-plug derated level-2 smart/networked charging station.	7E+07	Envision Solar	EV ARC 2 (CP CT4023-GW1)	Each	1	\$49,449.00	2.00%	\$ 48,460.00
1E	EV ARC 3 - 3.3 kW DC - 12 PV Panels - Solar System with Chargepoint CT4023-GW1, dual-plug derated level-2 smart/networked charging station.	7E+07	Envision Solar	EV ARC 3 (CP CT4023-GW1)	Each	1	\$54,449.00	2.00%	\$ 53,360.00
1F	EV ARC 4 - 4.1 kW DC - 12 PV Panels Solar System with Chargepoint CT4023-GW1, dual-plug derated level-2 smart/networked charging station.	7E+07	Envision Solar	EV ARC 4 (CP CT4023-GW1)	Each	1	\$64,449.00	2.00%	\$ 63,160.00
1G	EV ARC 2 - 2.5 kW DC - 9 PV Panels - Solar System with Schneider Evlink dual-plug derated level-2 smart/networked charging station.	7E+07	Envision Solar	EV ARC 2 (EVLink dual L1)	Each	1	\$48,250.00	2.00%	\$ 47,285.00
1H	EV ARC 3 - 3.3 kW DC - 12 PV Panels - Solar System with Schneider Evlink dual-plug derated level-2 smart/networked charging station.	7E+07	Envision Solar	EV ARC 3 (EV Link dual L1)	Each	1	\$49,950.00	2.00%	\$ 48,951.00
1I	EV ARC 4 - 4.1 kW DC - 12 PV Panels Solar System with Schneider Evlink dual-plug derated level-2 smart/networked charging station.	7E+07	Envision Solar	EV ARC 4 (EV Link dual L1)	Each	1	\$59,950.00	2.00%	\$ 58,751.00
1J	EV ARC 2 - 2.5 kW DC - 9 PV panel Solar System with Blink Pedestal single level-2 smart/networked charging station.	7E+07	Envision Solar	EV ARC 2 Blink L2 Pedestal	Each	1	\$45,950.00	2.00%	\$ 45,031.00
1K	EV ARC 3 - 3.3 kW DC - 12 PV panel Solar System with Blink Pedestal single level-2 smart/networked charging station.	7E+07	Envision Solar	EV ARC 3 (Blink L2 Pedestal)	Each	1	\$50,950.00	2.00%	\$ 49,931.00

6/1/2017

Email

David Greenfader
Envision Solar Int'l Inc.
5660 Eastgate Drive
San Diego, CA 92121

Subject: Contract Number 1-15-61-16, Contract Extension Inquiry

Dear Mr. Greenfader:

This letter is in regards to Contract Number 1-15-61-16 for Envision Solar Int'l Inc. which expires on 6/12/2017. The language in the solicitation provided for extension options. We are offering your company a possible extension on this contract through 6/23/2018. As part of the extension, the State will reserve the right to terminate this contract upon thirty (30) days written notice.

Please sign the acknowledgment below and return via email by close of business 6/7/2017.

Check the appropriate box below:

- I AGREE** to the additional extension under the same prices, terms, and conditions. I further understand that this acknowledgement is just an offer and may not be accepted by the State.
- I DO NOT AGREE** to the extension.

COMPANY NAME: Envision Solar International, Inc. **DATE:** 6.3.17

PRINT NAME: David Greenfader **SIGNATURE:** 

Failure to respond by the date specified above will be considered non-agreement to the extension option. This offer is not a legally binding agreement to an extension and might not be accepted by the State. This is not a legally binding agreement until a Supplement to the contract is issued.

If you have any questions, please contact me at (916) 375-4390.

Sincerely,

Original Signature on File

Rudolph Jimenez
Contract Administrator
Contracts Management Unit