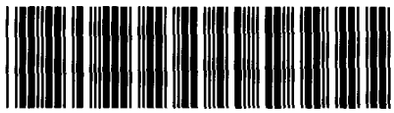

Control Number: 35077

Item Number: 851

Addendum StartPage: 0

Project No. 35077

Amendment No. 1

ERCOT Standard Generation Interconnection Agreement

Between

LCRA Transmission Services Corporation

and

Emerald Grove Solar, LLC

Dated
June 27, 2018

851

FIRST AMENDMENT TO
ERCOT STANDARD GENERATION INTERCONNECTION AGREEMENT

This First Amendment ("Amendment") is made and entered into this 27th day of JUNE 2018, by and among LCRA Transmission Services Corporation ("Transmission Service Provider" or "TSP") and Emerald Grove Solar, LLC ("Generator"), collectively referred to hereinafter as the Parties.

WHEREAS, the Transmission Service Provider and Bobcat Hills Solar, LLC entered into that certain ERCOT Standard Generation Interconnection Agreement executed December 4, 2017 (the "Agreement");

WHEREAS, Emerald Grove Solar, LLC is a successor in interest to Bobcat Hills Solar, LLC;

WHEREAS, the Generator notified TSP and ERCOT of a delay in the Commercial Operation date as originally contemplated in the Agreement; and

WHEREAS, the Generator notified TSP of a change in the proposed plant design as originally contemplated in the Agreement including a change in the quantity and type of solar inverters.

NOW, THEREFORE, in consideration of the mutual promises and undertakings herein set forth, the Parties agree to amend the Agreement as follows:

1. Exhibits "B", "C", "C2", "D" and "E" are deleted in their entirety and the Exhibits "B", "C", "C2", "D" and "E" attached to this First Amendment are hereby added to the Agreement in lieu thereof.

2. Exhibits "B", "C", "C2", "D" and "E" attached to this First Amendment will become effective upon execution of this First Amendment by the Parties.

Except as otherwise expressly provided for herein, the Agreement will continue in full force and effect in accordance with its terms.

– Remainder of page has intentionally been left blank. –

IN WITNESS WHEREOF, the Parties have caused this First Amendment to be executed in several counterparts, each of which shall be deemed an original but all shall constitute one and the same instrument.

Emerald Grove Solar, LLC

By: Chris Norqual

Signature: DocuSigned by: Chris Norqual 4003F68E1CEC40D...

Title: Authorized Person

Date: June 26, 2018

LCRA Transmission Services Corporation

By: Sergio Garza, P.E.

Signature:

Title: Vice President, LCRA Transmission Design and Protection

Date: 06/27/2018

Exhibit "B"
Time Schedule

Interconnection Option chosen by Generator (check one): _X_ Section 4.1.A. or ____ Section 4.1.B

If Section 4.1.B is chosen by Generator, the In-Service Date(s) was determined by (check one): (1) _N/A_ good faith negotiations, or (2) _N/A_ Designated by Generator upon failure to agree.

Date by which Generator must provide written notice to proceed with design and procurement and provide security, as specified in Section 4.2, so that TSP may maintain schedule to meet the In-Service Date: **December 5, 2017 – Completed prior to First Amendment**

Date by which Generator must provide written notice to commence construction and provide security, as specified in Section 4.3, so that TSP may maintain schedule to meet the In-Service Date: **September 3, 2018**

In - Service Date(s): **August 1, 2019**

Scheduled Trial Operation Date: **September 1, 2019**

Scheduled Commercial Operation Date: **December 1, 2019**

Due to the nature of the subject of this Agreement, the Parties may mutually agree to change the dates and times of this Exhibit B.

Exhibit "C"
Interconnection Details

1. Name: Emerald Grove Solar

2. Point of Interconnection location: The Point of Interconnection will be at the new LCRA TSC Horse Crossing Substation ("TSP Substation") located in Crane County, TX at the end of the new LCRA TSC 138-kV transmission line T682, at the approximate location shown in Exhibit "C3". The Point of Interconnection, shown on Exhibit "C1" and Exhibit "C2" shall be the physical point where the LCRA TSC Horse Crossing Substation facilities are connected to the GIF. This point is more specifically defined as being located at the 4-hole pad terminals on the dead-end assembly where the Generator's 138-kV line connects to the Generator's interconnect structure.

3. Delivery Voltage: 138-kV

4. Number and size of Generating Units ("The Plant"): The Plant is a solar generation facility with one Point of Interconnection to the grid. The nameplate Plant rating will be approximately 124.250 MVA of AC power (with a maximum rated Plant output of 108-MW) at the Point of Interconnection.

5. Type of Generating Unit: The Plant will be comprised of 35 Power Electronics Model HEM FS3225MU photovoltaic inverters rated at 3.550 MW/MVA at 25°C and 3.225 MW/MVA at 50°C each.

6. Metering and Telemetry Equipment:

A). TSP's ERCOT polled settlement ("EPS") metering will be located at the TSP Substation as part of the TIF. Three 138-kV extended range, metering current transformers will be used to accurately read the generation energy and power delivered to the grid and the auxiliary energy and power consumed through the Point of Interconnection. Three 138-kV metering accuracy voltage transformers will also be installed by the TSP for the ERCOT settlement metering. The ERCOT settlement metering panel furnished by the TSP will be located in the TSP Substation.

B). A remote terminal unit ("RTU") will be furnished by the TSP at the TSP Substation as part of the TIF and will have a dedicated communication port available to provide applicable breaker status and other telemetry data to ERCOT as required by the ERCOT Nodal Operating Guides.

C). Multi-ported RTU(s) will be furnished by the Generator at the Generator's interconnection substation(s) as part of the GIF and will have dedicated communication port(s) available to provide breaker status and other telemetered data to TSP and ERCOT

as required by the ERCOT Nodal Operating Guides. The Generator is responsible for determining and providing all their RTU communications needs.

7. Generator Interconnection Facilities: The Generator will provide as a minimum, the following major equipment for the Generator Interconnection Facilities:

A). One 138-kV generator tie line approximately 0.10 mile(s) in length consisting of 795-kcmil ACSR phase conductors rated at 235-MVA with necessary material to dead-end and connect to Generator's interconnecting dead-end structure outside the TSP Substation;

B). A full tension, dead-end, 138-kV generator tie line structure (Generator's interconnect structure) located near the TSP Substation (Generator shall coordinate the height of this structure, the arrangement of the phases, and the exact location of the structure with LCRA TSC) **NOTE:** Generator shall provide any necessary jumper post insulators for this structure in coordination with LCRA TSC's jumpers mentioned in item 8. E) below;

C). Fiber optic cable (Corning SMF-28e or equivalent 48 fiber, single-mode, fiber optic OPGW) from Generator's interconnection substation control building to the Generator's OPGW cable splice box on the Generator's interconnecting structure at the Point of Interconnection;

D). Generator's interconnection substation(s) including control building(s), 138-kV step-up transformer(s), transformer protection package(s), 138-kV circuit breaker(s), 138-kV generator tie line disconnect switch(es), and protective relaying panels for the Generator's portion of the 138-kV line (i.e., generator tie line) that will coordinate with the line protection panel(s) at AEP's Rio Pecos Substation as well as the future line protection panel(s) at the TSP Substation;

E). Multi-ported RTU(s) and panels to provide breaker status, telemetry and energy data from the Generator's interconnection substation(s) to the Plant, the TSP, Generator and ERCOT; and

F). Associated structures, bus work, conductor, connectors, grounding, conduit, control cable, foundation work, perimeter fencing, grading/dirt work and any appurtenances necessary for construction and operation of Generator Interconnection Facilities.

8. Transmission Interconnection Facilities: The TIF shall consist of the following:

A). Modifications to the TSP's existing 138-kV transmission line T451 to facilitate the installation of a new second 0.9-mile radial 138-kV circuit T682 from AEP's Rio Pecos Substation to LCRA TSC's Horse Crossing Substation;

B). Five (5) new transmission structures to facilitate the installation of the new radial 138-kV circuit T682 from AEP's Rio Pecos Substation to LCRA TSC's Horse Crossing Substation;

C). One (1) new 138-kV Horse Crossing Substation containing the following:

1) Two (2) substation A-frame structures (including 1 substation A-frame for TSP's span of conductors interconnecting with Generator's 138-kV line termination) within TSP Substation;

2) One (1) 138-kV span of conductors, shield wire, and OPGW from the Generator's interconnect structure to the TSP Substation A-frame structure along with the jumpers between the TSP conductors and the Generator's 138-kV line conductors at the Generator's interconnect structure

3) One (1) 138-kV bus including bus supports and foundations;

4) Two (2) 138-kV, 3000A three-pole switches with tubular stands and foundations;

5) Four (4) 84-kV MCOV surge arresters;

6) One (1) 138-kV power voltage transformer;

7) Three (3) 138-kV extended range metering CT's;

8) Three (3) 138-kV metering class voltage transformers;

9) One RTU and associated panels to provide breaker status, telemetry and energy data to the TSP and ERCOT;

10) ERCOT settlement metering panel; and

11) Two (2) EPS meters (one primary meter and one backup meter)

The above lists are not intended to be complete lists of all facilities that are part of the TIF.

D). If either party makes equipment changes or additions at the TIF or the GIF, whether specified in this Exhibit "C" or not, and which may affect the operation or performance of the other Party's System, each Party agrees to notify the other Party, in writing, of such changes as soon as practicable. Such changes shall be made in accordance with Good Utility Practice, ERCOT Requirements, the National Electrical Safety Code, other applicable codes, and standards in effect at the time of construction, and coordinated between the Parties.

9. Communications Facilities: Generator shall, in accordance with ERCOT Requirements and Good Utility Practice, provide communications facilities that are, or may in the future be, necessary for effective interconnected operation of the Plant and Generator Interconnection Facilities with the transmission system. The Generator shall own, and be responsible for installation, operation, and maintenance of fiber optic communication facilities between the Generator's transmission voltage substations and the Generator's interconnecting structure at the Point of Interconnection. Generator will complete its OPGW termination and dress out in a manner acceptable to TSP inside the Generator provided fiber splice box on Generator's interconnecting structure. Generator shall accommodate a water-tight entry for the TSP OPGW into the Generator provided fiber splice box. TSP will provide the splicing of fibers within the splice box at the Point of Interconnection. The Generator shall provide the dedicated channels or fiber pairs for necessary items including Generator's 138-kV line protective relaying and special protection system communications. Voice communications provided by the Generator shall at a minimum include one POTS (plain old telephone service) voice circuit in the Generator's substation control buildings.

10. System Protection Equipment:

A). AEP will install a new line protective relay package and relay settings at AEP's Rio Pecos substation to accommodate the TSP's new 138-kV radial circuit to the TSP Substation and the tap of the Generator's new 138-kV generator tie line. The Generator shall coordinate any necessary pilot relaying with AEP for the initial TSP Substation configuration.

B). Generator shall provide a line protection panel for Generator's 138-kV line at the Generator's facilities, which will coordinate with the AEP line protection panel(s) at AEP's Rio Pecos Substation.

C). Generator will be responsible for the proper synchronization of its facilities with the LCRA TSC transmission system, in accordance with ERCOT guidelines.

D). The Plant and the Generator Interconnection Facilities shall be designed to isolate any fault, or to disconnect from or isolate any abnormality that would negatively affect the ERCOT system. The Generator shall be responsible for protection of its facilities. In particular, Generator shall provide relays, circuit breakers, and all other devices necessary to promptly remove any fault contribution of the generation equipment to any short circuit occurring on the TSP system. Such protective equipment shall include, without limitation, a disconnect device or switch with the appropriate interrupting capability to be located within the Generator Interconnection Facilities. In addition to faults within the Plant and the Generator Interconnection Facilities, Generator shall be responsible for protection of such facilities from such conditions as negative sequence currents, over or under frequency, sudden load rejection, over or under voltage, generator loss of field, inadvertent energization (reverse power) and uncleared transmission system faults.

E). The Plant and the Generator Interconnection Facilities shall have protective relaying that is consistent with the protective relaying criteria described in the ERCOT Requirements and NERC standards. If reasonably requested by the TSP, Generator shall, at its expense,

provide corrections or additions to existing control and protective equipment required to protect the ERCOT system or to comply with government, industry regulations, or standard changes.

F). The Generator's protective relay design shall incorporate the necessary test switches to enable complete functional testing. The required test switches will be placed such that they allow operation of lockout relays while preventing breaker failure schemes from operating and causing unnecessary breaker operations and tripping generator units.

G). Generator shall install sufficient disturbance and fault monitoring equipment to thoroughly analyze all system disturbances of the generation system. This equipment shall monitor the voltages at major nodes of the system, current at major branches, breaker and switch positions, and enough of the dc logic in the relay control scheme to analyze a system disturbance. The TSP and AEP shall provide for disturbance and fault monitoring equipment in both the TSP Substation and Rio Pecos Substation respectively. The disturbance and fault monitoring for both Generator and TSP shall be consistent with the disturbance monitoring requirements described in the ERCOT Requirements and NERC standard.

H). Prior to modifying any relay protection system design or relay setting involving the connecting facilities between the two Parties, Generator shall submit the proposed changes to the TSP for review and approval. TSP's review and approval shall be for the limited purpose of determining whether such proposed changes are compatible with the ERCOT transmission system.

I). In accordance with Good Utility Practice and ERCOT and NERC standards, the TSP shall determine requirements for protection of the Point of Interconnection and the zone of protection around the Point of Interconnection and shall specify and implement protection and control schemes as necessary to meet such requirements. Generator shall have the right to review and comment on the necessary protection requirements, and such comments shall not be unreasonably refused by the TSP when determining such requirements. The TSP shall coordinate the relay system protection between Generator and the ERCOT system.

J). The Generator shall provide in PSSE or Aspen One-Liner format the short circuit model for the Generator Interconnection Facilities, the generators and collector facilities prior to the protective relays settings being calculated and in no case later than 60 days prior to the initial actual in-service date. Generator data submitted in accordance with Section 7.3 of Exhibit "A" shall include, but not be limited to, (1) a detailed one-line diagram of the proposed Plant and Generator Interconnection Facilities showing the collector buses and their voltages, (2) conductor types and lengths of all lines connecting the collector buses to the TSP Substation, (3) the total number of solar inverters to be served by each collector bus, (4) size, make and model of solar inverters, (5) capacitor bank sizes, locations (electrical) and control settings, and (6) the impedance and rating data of each transmission voltage line, GSU and/or autotransformer that will be installed to get power from the Plant and onto the transmission grid.

11. Inputs to Telemetry Equipment: GIF disconnect devices status, Generator's 138-kV line protection/relay status, and Generator's 138-kV line MegaWatts, MegaVars, KiloVolts and Amperes.

12. Supplemental Terms and Conditions:

A). Device Numbers, Switching and Clearance:

(a) Generator shall obtain prior approval of the TSP before operating any transmission voltage circuit switching apparatus (e.g. switches, circuit breakers, etc.) at the Generator Interconnection Facilities, whether for testing or for operations of the Plant, which approval shall not be unreasonably withheld, conditioned or delayed.

(b) The TSP shall coordinate switching at the Point of Interconnection. Each Party shall be responsible for operation of their facilities.

(c) In the event the Generator desires to have the ability to operate any directly connected TSP facilities for emergency operations switching, the TSP will provide transmission switching training to Generator personnel along with a copy of the TSP's transmission operations procedure manual ("Red Book") and any subsequent amendments thereto. Generator personnel or their designated agents that are to perform switching of the directly connected TSP facilities must be on the TSP authorized switching list. Generator and the TSP agree to conduct all switching operations of any directly connected TSP facilities in accordance with the Red Book, as it may be changed by the TSP from time to time.

(d) Generator and TSP will collaborate and reach mutual agreement on the establishment of: i) unique name(s) for the Generator's substations, unit main transformers and switching station(s) connected at transmission voltage; ii) device numbers for all transmission voltage switches and breakers which will be owned by Generator; and iii) unique names for Generator's generating units, in accordance with ERCOT Requirements. Generator will submit to TSP, within thirty (30) days after execution of this Agreement, its proposed name(s), as referenced in this paragraph. Generator will register the name(s) of the facilities specified in this paragraph and Generator-owned device numbers at ERCOT, in accordance with ERCOT Requirements, and such names and device numbers will be consistent with the names and numbers mutually agreed upon pursuant to this paragraph. Generator will not change any of the names or device numbers, established pursuant to this paragraph, without written approval of TSP. Generator will label the devices, referenced in item (ii) above, with the numbers assigned to such devices.

(e) Each Party will keep records of maintenance and switching operations of control and protective equipment associated with this interconnection and will allow the other Party reasonable access to inspect such records.

B). No Retail Sale of Electricity to Generator by TSP: TSP considers the energy and power that the Plant and Generator Interconnection Facilities may from time to time consume from the 138-kV ERCOT grid through the Point of Interconnection to be a retail transaction and as such, the TSP does not intend to be the provider of this retail service. Generator shall make necessary arrangements with the appropriate retail supplier for the energy and power that the Plant and Generator Interconnection Facilities may consume from the 138-kV ERCOT grid through the Point of Interconnection.

C). Notification:

(a) Generator shall supply notification to the TSP identifying its Qualified Scheduling Entity (QSE) 120 days prior to the In-Service Date and Generator shall supply notification to the TSP 60 days prior to any changes in QSE, thereafter.

(b) Upon written request from TSP, Generator shall supply notification to the TSP identifying their retail service provider 120 days prior to the In-Service Date and Generator shall supply notification to the TSP 60 days prior to any changes in retail service provider, thereafter.

(c) In the event of any interruption of service, TSP shall provide prompt notice to Generator of cause of such interruption and an estimation of when the Plant may be re-connected to the TSP.

D). Substation Land, Easements and Access Road Provisions

(a) The proposed site for the TSP Horse Crossing Substation ("Substation Site") is generally described as an area of approximately 3.3 acres of land near U.S. Highway 67 located approximately 8.5 miles southwest of the city of McCamey, Texas and along the TSP's existing 138-kV T451 transmission line as shown in Exhibit "C3". If TSP finds the Substation Site acceptable, TSP shall request in writing, by no later than **July 2, 2018**, that the Generator acquire fee title to the Substation Site with a deed substantially in the form approved by TSP. TSP shall then acquire from the Generator (using TSP's standard form of deed) the Substation Site property as generally depicted in Exhibit "C3". Said acquisition shall be subject to TSP's reasonable review and acceptance of a field survey, legal documentation, title commitment and title policy acquired on behalf of TSP, archeological research, and an environmental assessment of the Substation Site. In no event shall the Substation Site be subject to any lien or any other encumbrance unacceptable to TSP. Upon acquisition, TSP shall pay the Generator an amount for the Substation Site equal to its market value as reasonably determined by TSP.

(b) Generator shall also acquire easements (using TSP's standard form of easement and where TSP must approve easement language before completion of landowner negotiation), for the benefit and use of TSP, providing good and adequate rights of vehicular ingress and egress to and from a public road and for access rights for necessary overhead and underground utility services and communication services to TSP's Substation Site as generally depicted in Exhibit "C3" ("Access Easements"). The Access Easements acquired by Generator shall provide TSP non-exclusive rights to use the same in common with Generator, to the extent such serve or provide access to Generator's facilities. The applicable Access Easements shall provide that Generator shall, in a manner reasonably acceptable to TSP, build and maintain the access road from U.S. Highway 67 to Generator's step-up substation as generally depicted in Exhibit "C3" ("Generator's Plant Access Road") for the benefit and use of TSP and Generator. TSP shall build and maintain the TSP's Substation Site access road from the Generator's Plant Access Road to the TSP Substation Site, as shown on Exhibit "C3". TSP shall pay the Generator an amount for the TSP's Access Easements equal to its market value as reasonably determined by TSP. The Access Easements shall be stand-alone easement agreements and shall survive termination of this Agreement and shall be properly recorded in a manner reasonably acceptable to TSP.

(c) Generator shall also acquire and convey to TSP, a separate stand-alone transmission easement, in a form approved by TSP, including access rights for the portion of the TIF previously described in item 8. (C)(2) above and as generally depicted in Exhibit "C3" ("Transmission Easement"). TSP shall pay the Generator an amount for the TSP's Transmission Easement equal to its market value as reasonably determined by TSP. The Transmission Easement shall be a stand-alone easement agreement and shall survive termination of this Agreement and shall be properly recorded in a manner reasonably acceptable to TSP.

(d) These necessary real property rights described in (a), (b) and (c) above are required before TSP can commence construction, as contemplated in Exhibit A, Section 4.3. Therefore, if TSP does not accept the Substation Site, Transmission Easement, and Access Easements or is unable to acquire the Substation Site, Transmission Easement, and Access Easements by **September 3, 2018**, TSP and Generator will work toward finding a site that does meet TSP's approval and will amend this Agreement, including TSP's In-Service Date, as necessary.

(e) Generator shall, at no cost to TSP, release any encumbrance that Generator may have that is unacceptable to TSP on the acquired Substation Site, the Transmission Easement Area, or TSP's interest in the Access Easements between the Substation Site and the public roadway. Any encumbrance on TSP's interest in the Substation Site, Transmission Easement Area, or Access Easements associated with Generator's financing shall be subordinate to the TSP's rights described in (a), (b), and (c) above.

(f) Generator, at no cost to TSP, agrees to prepare by **July 2, 2018**, the surveys, per TSP surveying specifications (including topographical design survey with minimum of one foot contours of the Substation Site), plats and legal descriptions of the tracts necessary in (a), (b), and (c) above.

13. Special Operating Conditions:

A). Quality of Power. Generator shall provide a quality of power into the TSP system consistent with the applicable ERCOT Requirements and NERC guidelines.

B). Harmonics. The Generator's alternating current generating system must have a frequency of 60 Hz, be designed for balanced three-phase operation, not cause unreasonable imbalance on the ERCOT system or the TSP Switchyard equipment, and adhere to the recommendations in Institute of Electrical and Electronic Engineers Recommended Practices and Requirements for Harmonic Control in Electrical Power Systems (IEEE 519), or its successor.

C). Voltage, Frequency and Reactive Support.

(a) Generator shall have and maintain the reactive capability as required in the ERCOT Requirements.

(b) Generator shall be able to remain online during voltage disturbances up to the time periods and associated voltage levels set forth in the ERCOT requirements for Voltage Ride Through (VRT) capability.

(c) The Generator shall be equipped with both frequency and voltage controls and shall be operated in synchronism with the TSP's system with such controls in

service. Generator shall notify the TSP at any such time that such controls are out of service.

D). ERCOT Operating Arrangements. A special ERCOT-approved operating arrangement such as a Remedial Action Plan or Special Protection System may be required either prior to, or after, Commercial Operation. The terms "Remedial Action Plan" and "Special Protection System" shall have the meanings as set forth in the ERCOT Requirements. TSP and ERCOT will examine the need and feasibility of these arrangements in cooperation with the Generator. In the event that ERCOT determines that such an arrangement is required, then TSP, ERCOT, and Generator will cooperate to design and install the necessary facilities, to be operational for the duration of the period where such Remedial Action Plan or Special Protection System may be necessary.

E). Back-up Power during Point of Interconnection Outage. The Generator acknowledges that this Point of Interconnection may not always be available due to maintenance or other outage activities and at these times of unavailability the loss of both generator output and power delivery to the Generator will not be the responsibility of the TSP. The Generator is responsible for providing any back-up power sources that it may require due to the unavailability of this Point of Interconnection for any period of time.

F). Sub-synchronous Resonance (SSR) Study. Generator has requested that this Agreement be signed prior to completion of the SSR study associated with this interconnection request. Pursuant to Section 5.4.5.1 of the current ERCOT Planning Guide, the SSR study shall be completed prior to initial synchronization of the plant. The findings of the SSR study may dictate that the Generator and/or TSP install additional facilities to mitigate this vulnerability in conjunction with this interconnection request. ERCOT and TSP shall approve all mitigation plans. Such mitigation may require additional time for the TSP to meet its In-Service Date and/or it may increase the dollar amount of the Security Instrument required of Generator. If mitigation is required, this Agreement shall be amended to include any additional facilities, additional time, and additional amount of Security. However, Generator may provide ERCOT and TSP documentation that conclusively establishes that the Plant will not be subject to sub-synchronous resonance problems with series compensation on the ERCOT system. ERCOT and TSP shall reasonably determine if such documentation is sufficient to preclude the need for TSP to perform the SSR study. Such documentation shall be supplied by Generator to ERCOT and TSP no later than ninety (90) days prior to initial synchronization of the plant. In the event that the generator vendor advises Generator that it cannot supply generators for the Plant that are compatible with the transmission system series compensation, the Generator shall notify TSP of such event, which shall be deemed a Default under Section 10.6 of the Agreement.

Exhibit "C2"

One Line Diagram – TSP Interconnection Facilities, Generation Interconnection Facilities and the Plant

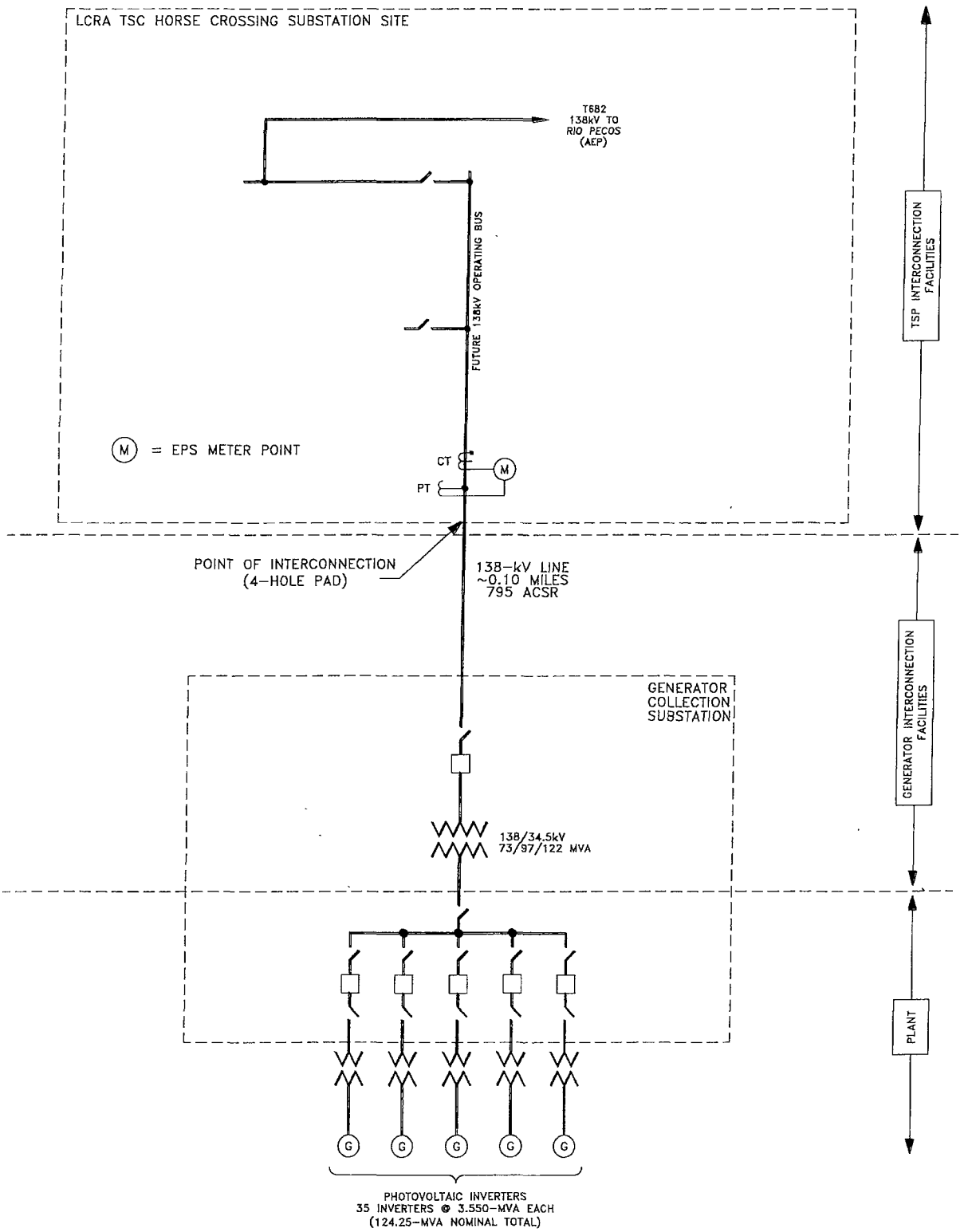

Exhibit "D"
Notice and EFT Information of the ERCOT Standard Generation Interconnection Agreement

(a) All notices of an operational nature shall be in writing and/or may be sent between the Parties via electronic means including facsimile as follows:

If to Transmission Service Provider:	If to Generator:
LCRA Transmission Services Corporation	Cypress Creek O&M, LLC
Attn: VP, Transmission System Operations	Attn: Don Nista
Address: P.O. Box 220	Address: 601 W. Main St. Suite A
City, State, Zip: Austin, TX 78767	City, State, Zip: Carrboro, NC 27510
Operational/Confirmation Fax (512) 730-6311	Operational/Confirmation Fax:
24 Hour Telephone (800) 223-7622	24 Hour Telephone: 888-851-1420
E-mail: john.warren@lcra.org	E-mail: service@ccrenew.com

(b) Notices of an administrative nature:

If to Transmission Service Provider:	If to Generator:
LCRA Transmission Services Corporation	Cypress Creek Renewables, LLC
Attn: VP, LCRA Transmission Design & Protection	Attn: Asset Management
Address: P.O. Box 220	Address: 3250 Ocean Park Blvd. Suite 355
City, State, Zip: Austin, TX 78767	City, State, Zip: Santa Monica, CA 90405
Fax: (512) 578-4193	Fax:
Phone: (512) 578-4149	Phone: 800-854-5922
E-mail: sergio.garza@lcra.org	E-mail: assetmanagment@ccrenew.com

(c) Notice for statement and billing purposes:

If to Transmission Service Provider:	If to Generator:
Company Name (Same as (b) above)	Cypress Creek Renewables, LLC
Attn:	Attn: Accounts Payable
Address	Address: 3250 Ocean Park Blvd. Suite 355
City, State, Zip	City, State, Zip: Santa Monica, CA 90405
Phone: _____	Phone:
E-mail _____	E-mail: ap@ccrenew.com

(d) Information concerning Electronic Funds Transfers:

If to Transmission Service Provider:	If to Generator:
Bank Information: - To be supplied later	Bank Information: Wells Fargo Bank, N.A.
City, State	City, State: San Francisco, CA 94104
ABA No	ABA No. 121000248
for credit to	for credit to
Account Name:	Account Name: Cypress Creek Renewables Development LLC
Account No.	Account No. 4542782578

Exhibit "E"
Security Arrangement Details

In accordance with the dates in Exhibit "B" Generator shall cause to be established pursuant to Section 8.3 of Exhibit "A", and shall at all times through the earlier of (i) five (5) Business Days after the date upon which TSP receives written notification from Generator that Commercial Operation has been achieved or (ii) ninety (90) days after the termination of the Agreement in accordance with its terms (the earlier of which shall be the "Final Expiration Date"), cause to be maintained in full force and effect a cash deposit or other security reasonably acceptable to TSP("Security Instrument") for the benefit of TSP in a commercially acceptable form consistent with this Exhibit "E" and otherwise acceptable to TSP and Generator, which acceptance shall not be unreasonably withheld, in the amounts and for the periods set forth below.

In accordance with Section 8.3 of Exhibit "A", any repayment or return of such cash deposit shall include interest at a rate applicable to customer deposits as established from time to time by the PUCT.

Business Day means any day other than a Saturday, a Sunday, or a holiday on which national banking associations in the State of Texas are permitted or required to be closed.

Generator may replace a cash deposit with a Letter of Credit after review and acceptance of a Letter of Credit from a bank acceptable to TSP. TSP shall return the cash deposit to Generator in exchange for the Letter of Credit once the Letter of Credit is fully acceptable to TSP. The Generator may also elect, from time to time, to replace the Letter of Credit with a cash deposit or a replacement Letter of Credit. TSP agrees that upon receipt of replacement security in the form of a cash deposit or a Letter of Credit, the TSP will promptly return existing security such that the total amount of posted security does not exceed the Maximum Stated Amounts specified below.

Notwithstanding the Expiration Dates there shall be no obligation by Generator to establish or maintain the Security Instrument after the Final Expiration Date and any Security Instrument outstanding as of the Final Expiration Date shall be immediately surrendered by TSP.

The maximum stated amounts, Effective Dates, and Expiration Dates of the Security Instrument(s) shall be as follows:

Maximum Stated Amount	Effective Date	Expiration Date
Initial amount of $4,083,000 for Design and Procurement	November 30, 2017	March 1, 2021
Additional Amount of $1,017,000 for Construction to bring Total to $5,100,000	September 3, 2018	March 1, 2021

Failure to deliver or maintain the Security Instruments in the amounts and for the periods set forth above shall be deemed a Default under Section 10.6 of the Agreement, notwithstanding any cure period otherwise provided for in Section 10.6.