

GOBIERNO DE PUERTO RICO
JUNTA REGULADORA DE SERVICIOS PÚBLICOS DE PUERTO RICO
NEGOCIADO DE ENERGÍA DE PUERTO RICO

NEPR

Received:

Dec 29, 2023

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IN RE: ENMIENDAS A CONTRATO DE
COMPRAVENTA DE ENERGÍA:
PROYECTO NO-OPERACIONAL
(XZERTA-TEC SOLAR, LLC).

NÚM. DE CASO: NEPR-AP-2021-0002

MOCIÓN PARA PRESENTAR INFORME DE PROGRESO MENSUAL
CORRESPONDIENTE AL MES DE NOVIEMBRE DE 2023

AL NEGOCIADO DE ENERGÍA DE PUERTO RICO

COMPARECE la Autoridad de Energía Eléctrica de Puerto Rico ("AEE") a través de su representación legal que suscribe, y muy respetuosamente expone y solicita:

1. Mediante la Resolución Final y Orden emitida por el Negociado de Energía de Puerto Rico (en adelante "NEPR") en el caso de epígrafe, se ordenó, entre otras cosas, que la AEE y Xzerta Tec Solar I, LLC (en adelante "Xzerta") presentaran informes de progresos mensuales sobre el estatus del proyecto.
2. En cumplimiento con las ordenes de este Honorable Negociado, la AEE somete el Informe de Progreso titulado *Xzerta-Tec Solar I, LLC November Progress Report*, el cual corresponde al mes de noviembre de 2023, según se desprende. Véase Anejo A.

POR TODO LO CUAL, la Autoridad solicita respetuosamente al Negociado de Energía que tome conocimiento de lo aquí informado, y acepte el Informe de Progreso de noviembre 2023.

RESPETUOSAMENTE PRESENTADO.

En San Juan, Puerto Rico, a 29 de diciembre de 2023.

CERTIFICO: Por la presente certificamos que este documento fue presentado ante la Oficina del Secretario de la Oficina de Energía utilizando su Sistema de Presentación Electrónica en <https://radicacion.energia.pr.gov/login>, el cual notificará a los abogados de récord.

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Anejo A



December 7, 2023

Mr. Josué Colón
Executive Director
Puerto Rico Electric Power Authority

RE: Xzerta-Tec Solar I, LLC November Progress Report

Dear Executive Director:

Herewith, we are providing our monthly progress and status report including project activities required for the project completion. In the upcoming months, our team will continue sustaining meetings with both PREPA and LUMA to refine the engineering design and the facility's interconnection to the grid. The following table will be used to identify the project activities, and any other issues with their respective status and progression for the proper implementation of this project.

#	Activity	Description	Status	Comments
1	Design			
	A. Power Design - Drawings	After the meeting of March 1, 2023, Xzerta requested a change of design and a field visit to all parties involved. Xzerta stated that the proposed underground installation of the 115KV transmission only within the premises of the Hatillo Substation is not a feasible solution. Documentation was later presented to demonstrate the issues around the proposed approach and further provided a conceptual design of an aerial approach in accordance with PREPA Std Design Codes for all parties for approval. On March 29, PREPA and Xzerta performed a site visit to evaluate options. PREPA agreed with all aerial approaches. There were several exchanged emails and calls regarding Xzerta's proposed approach and on April 26, all affected parties participated in a technical meeting to discuss details	Facility and interconnection study completed, and preliminary design is in compliance with MTRs. An approval of the proposed design changes is still pending, which will require a 2 nd interconnection study as stated by LUMA	The technical solution presented by LUMA is acceptable, but a resolution is needed for all commercial and legal issues. Xzerta hold the meeting with PREPA to discuss all commercial and contractual items in question that emerged from the meeting of July 28th. LUMA submitted a motion to the PREB on 11/06/2023 requesting to make a decision to force Xzerta to pay for their request for a 2nd study while they were

Disclosure: This report is provided for informational purposes only. By accepting this information, the recipient agrees that it will, and it will cause its employees, agents, and representatives, to treat the information as such. Any reference made herein to terms or conditions should be subject to the language of the power purchase and operation agreement. The Information supersedes all information contained in any prior report or presentation for this project and is subject to change.

		<p>of the 2 alternative approaches to maintain all lines, Aerial. An updated proposal conceptual design was submitted on April 27th to PREPA. The item is under evaluation of S&L, LUMA.</p> <p>On May 31st, LUMA requested a follow-up meeting and stated that they were still evaluating the proposed design change.</p> <p>On June 16th, Xzerta transmitted to LUMA a follow up email requesting an update on the approval of the requested design changes to ensure compliance with PREPA design standards. LUMA stated on June 26th that the design changes were still under review.</p> <p>Xzerta transmitted to PREPA/PREB a Notice of delay and request of extension of time letter on June 29th.</p> <p>Luma responded on July 21st with their proposed alternative solution and a meeting was held on July 28th. Luma presented their alternative solution to Xzerta and PREPA and their requirement for the interconnection that are in full compliance with the PPOA. Xzerta position is that technical solution is feasible, but it will not bear the cost for all proposed changes neither pay in full for the requested interconnection study by LUMA since it was others that did not comply with PREPA's design standards. Please refer to the minute's notes, Xzerta and PREPA positions.</p> <p>On Sept 6, PREPA and Xzerta held a meeting to commence the discussion of the items, but it was concluded that it will require the involvement of PREB.</p> <p>Xzerta has submitted on 11/21/23 a motion to PREB to request a prompt resolution of all commercial issues related to LUMA's proposed estimates, responsible party for the construction and renegotiate to</p>		<p>completing it. Xzerta submitted another motion to PREB on Nov 21st to escalate all commercial issues that have delayed the progress of the project including the request to have Luma carry out the cost of the unnecessary study they were requesting to do. While this is resolved, Xzerta is trying to close all contracts for procuring materials to be prepared to order once the new interconnection study including the agreed design changes is released by Luma.</p>
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		increase the amount approved under the remuneration clause, Article 4.6 as a response to LUMA's motion of 11/06/23.		
	B. Energy Yield Assessment and Relay Study	<p>Relay Study was submitted on Sept 21, 2022, and the Energy Yield Assessment was submitted for approval on Sept 30th, 2022.</p> <p>After the completion of the interconnection and facility study, Luma submitted on March 13, 2023, for the first-time comments of the submitted Energy Yield report of Sept 30th, 2022. Xzerta updated the report accordingly to the request for additional data. Rev 2 was submitted on March 24, 2023.</p> <p>On the follow-up meeting with LUMA hold on May 31st, LUMA stated that the energy yield assessment was acceptable. On June 2nd, LUMA transmitted a document stating that all values were accepted, and no further comments were necessary at the moment</p>	Closed	Closed on June 2 nd , 2023
	C. Products	<p>Proposed products and Models for the interconnection have been submitted to LUMA for approval.</p> <p>Documentation for the inverters, batteries, Transformer, Protective relays, GCBs, BESS and MV switchgear were transmitted for approval, but LUMA stated that they will not approve any Products related to the solar farm or facility but only the interconnection.</p> <p>The interconnection study and facility study were completed and both LUMA and S&L stated that Xzerta preliminary design is in compliance with the MTRs. Based on the outcome of the interconnection study, Xzerta understand that all suggested products have been approved but an official response has not been provided.</p> <p>On the follow-up meeting with Luma hold on May 31st, 2023, Xzerta stated</p>	in compliance with the MTRs but waiting for Design approval	In a recent response from LUMA of XZERTA June's 2023 report, LUMA stated that the products will not be approved until the final design has been submitted and approved. Without a resolution to all commercial and technical issues related to the interconnection, Xzerta will not be able to proceed with the completion of the final design. LUMA position is that a new interconnection study is required in order to proceed with their alternative technical aerial solution as stated in the meeting of July 28 th and that

		<p>LUMA that approval of products was necessary to avoid delays in our orders. That was the reason that Xzerta submitted all products for approval to limit the risks associated with ordering products that have not been properly vetted. To avoid any risks, Xzerta is forced to wait for the final acceptance of the design as stipulated in the PPOA. Furthermore, the commercial issue of the interconnection to determine which party will be responsible for constructing the PREPA interconnection including which party will provide the materials, needs a prompt resolution since the PPOA assigned the seller as the responsible party. This is important because if LUMA becomes the responsible party, it will have an impact on the contracts that Xzerta is currently working with different suppliers to purchase the materials and to provide implementation support.</p> <p>A prompt a resolution is required to avoid further financial and schedule impacts</p>		<p>Xzerta needs to pay for the study and for the interconnection in advance. LUMA submitted a Motion on 11/06 for such request and Xzerta followed with another motion in 11/21/23. At this point, the schedule has continued to be pushed down further with major delays affecting the COD due to the inability to proceed with the design and with the ordering of the products with long lead items identified as critical path. Ordering any products without proper approval is high risk.</p> <p>Refer to comment in item 1</p>
	D. SCADA list	<p>Our team is in receipt of the current SCADA list sample shared by LUMA. Based on this sample, our team will develop the preliminary SCADA Point list and will add all available alarms and events based on the final design. The list is pending on the completion of LUMA's analysis and study of our design and relay study to determine if additional protections, alarms or other necessary points are required to be included in our design.</p>	In progress	Under development
	E. Other Design	<p>Preliminary design for the transmission lines was submitted on 11/23/2022.</p> <p>Current proposed route was approved and LUMAs provided a 2nd draft of a conditional permit. Xzerta provided comments and proposed wording related to this letter as the terms and conditions required further modifications. Final permit will be</p>	Open	<p>Route is in compliance but there is a major issue with proposed approach for the final interconnection of the 115KV transmission line.</p> <p>Luma presented their proposed alternative</p>

		<p>released upon completing the 2nd interconnection study.</p> <p>Interconnection study proposed underground installation of the 115KV is not feasible and is not in compliance with PREPA's "Technical Communications of 2012" where partial underground installation for a 115 KV are not permitted. A proposed change of design was submitted by Xzerta on March 27, 2023, later discussed on the meeting held on April 26 followed by submittal of the updated approached on April 27th. The item was under discussion waiting for approval as informed by LUMA on May 31st, 2023 and updated status on June 26th 2023. On July 28th, LUMA presented their alternative solution. New interconnection study as required by LUMA is pending on a final resolution of all commercial issues.</p>		<p>design and changes on July 28th. All changes are pending on a resolution to all commercial and legal issues. See item 1 and c.</p>
	F. Dynamic Study	S&L confirmed that the PSSE and PSCAD or Dynamic Studies reports are in compliance with the MTR's	In compliance MTR's. Considered closed	Closed.
	G. Winds Conditions requirement	LUMA/PREPA winds conditions requirement of 160 MPH has become an issue. Several vendors have responded that they will be unable to meet this requirement. Currently, products meet 140 MPH. ASCE allows the 140 MPH criteria on the location that the farm will be built. It was requested an exemption and LUMA responded that the requirement is only applicable to equipment that will handled or owned by PREPA or them. Furthermore, LUMA will not provide any technical inputs to any equipment or products that are not within the interconnection.	Closed	LUMA stated that this particular requirement is not applicable, and they will not provide any technical input of products used outside of the interconnection. GCB which meets 140 Mph has been approved. 140 MPH meets ASCE requirements
	H. Transmission line design and Easement Usage / Permit	Xzerta has been working with LUMA Lands and permits to obtain the final permit for the usage of a PREPA ROW or Easement adjacent to the lands of the project, a route that minimize the environmental impacts and shorten	Open	The Item has not been resolved as of today. LUMA presented on July 28 th a feasible technical solution. Item is

		<p>the path to the Hatillo POI substation via an RFI. Xzerta has provided LUMA several responses and documentation requested in several letters.</p> <p>A Preliminary Transmission line design establishing the route as per appendix b of the PPOA was released on 11/23/2022 and another letter to request the use of the easement was sent to LUMA's Land Dept on the same date. On 01/23/2023, LUMA responded via RFI 015 that the permit was approved with the condition of providing steel monopoles with the configuration of dual lines for future installations.</p> <p>LUMA's provided a draft of the conditional permit and Xzerta provided comments regarding many of the terms established by LUMA. The current terms of usage have broad wording that unreasonably extends Xzerta's liabilities.</p> <p>Additional terms and conditions presented by LUMA under their draft letter for the conditional permit required further modifications as requested by Xzerta on the 2nd draft letter. Comments were provided back to LUMA. LUMA stated in a recent meeting that they could accept most of the language but not for the proposed duration. Xzerta proposed a new language to address LUMA concerns. LUMA is also requiring having sign of a new interconnection agreement with them when the PPOA has all requirements for the interconnection. Item is under evaluation due to possible impacts and consequential changes affecting the PPOA.</p>		<p>pending on the resolution of several commercial issues and the completion of the 2nd interconnection study as stated by LUMA on June 26th communication, July 28th and their latest response of Xzerta's June 2023 report. See item 1 and c.</p>
2	Commercial			
	A. Certifications	filed with the Puerto Rico Energy Bureau for Xzerta Tec's Electric Service Company Certification as required under Rule 8701	Completed	Approved
	B. Loans	Term Sheet was received	In Progress	Modifications received. Discussions

				<p>are undergoing awaiting new IRS rules regarding ITC's after the latest amendments to the inflation reduction Act.</p> <p>As of December 15, 2022, an evaluation on the percentage applicable to the project was being evaluated as location of the project and the use of made in USA equipment could increase the ITC's from 30% up to 50%. As of June 1, 2023, the Financial Due Diligence was completed. Final underwriting pending final design interconnection approval from Luma and construction permit.</p>
	C. Leases	Executed the extensions on the leases of the properties that required such extensions. Xzerta continue to maintain land control over all the proposed parcels, plus some additional lots have been added and surveyed to guarantee the necessary space for the increased capacity.	Completed	
	D. Mars CPA Report	Commissioned a report from our accounting firm Mars CPA regarding the possible incentives available to the project under the Puerto Rico Incentives Code, to review the prior decree granted to the project by the Department of Economic Development and to establish the final structure regarding the tax equity of the project.	Completed	
	E. LUMA request for payment for 2 nd interconnection Study	LUMA requested a second payment regarding the study and evaluation of the alternative aerial solution for the interconnection. The previous total amount to be paid as per LUMA		S&L has completed this item as of Feb 21, 2023, and both determined that the preliminary design is in

		letter was \$341k. Item is part of the commercial issues that requires a resolution.		compliance with all MTRs but the proposed underground interconnection is noncompliance with the PREPA MTRs. Due to the reason that an alternative aerial approach was agreed by the parties, LUMA is requesting Xzerta to bear for all costs for a 2 nd interconnection study that LUMA is requiring before proceeding with the changes. See item 1 for further information.
	F. LUMA Interconnection Agreement	On April 25 th , LUMA transmitted a non-project related document. Enclosed of the transmittal was LUMA Interconnection Agreement. Xzerta requested LUMA to provide the purpose of such document since Xzerta PPOA includes the interconnection agreement with PREPA. A second revision of the agreement was released by LUMA on Sept 25, 2023.	Open	Pending on LUMA approval on the design changes of the interconnection and 2 nd interconnection study as stated by LUMA on June 26 th and July 28 th . Xzerta is currently reviewing the latest revision.
3	Contracting			
	A. Land Survey and Topographic Survey	Geomatic Solutions and Surveying, PSC	Completed	
	B. Plant Design	CSA Architects and Engineers, LLP	In progress	
	C. Archaeological Study	Fernando Alvarado	In progress	
	D. Environmental Site Assessment Phase I-A Phase I-B	Tycroes group	Completed Delivered	Phase B received and under review
	E. Habitat Study	Alejandro Cubiña	Completed	
	F. Foundation Design	Carlos Rivera, P.E.	Completed	
	G. Anchoring	Solar Mounts	Completed	
	H. Electrical Design	Miguel Ortiz, P.E.	Completed	

		Lisaidyn Perez Enerzinx Ing Ronald Hopgood		
	I. SCADA Systems Design	Lisaidyn Perez	Completed	
	J. Modeling and Simulations	Enerzinx	Completed	S&L and LUMA stated that it is in compliance with all MTR's
	K. Relay Study	Enerzinx	Completed	Resubmitted to Luma incorporating comments on 10/28/2022. On Feb 21, 2023, S&L and LUMA's completed the Interconnection and Facility Studies determine that Preliminary design is in compliance with all MTRs. Xzerta considers this item closed and approved. Further adjustments may be required during installation.
	L. Transmission Lines	Xzerta have contracted DEA, an additional firm to perform the Sag and Tension Analysis and create the PLS-CADD files for this project. Analysis will be performed once the design change and new interconnection study have been approved.	Completed	
3	Construction			
	A. Permits	<p>Completed the following:</p> <ol style="list-style-type: none"> 1. Location 2. Environmental 3. Endorsements by <ul style="list-style-type: none"> - Highway and Transportation Authority - Puerto Rico Energy Bureau - Cultural Institute - Puerto Rico Telecommunications Bureau - Puerto Rico Aqueduct and Sewer Authority - Department of Agriculture <p>Pending</p> <ol style="list-style-type: none"> 1. NWP-14 	In progress	LUMA / PREPA approved the usage of ROW/ Easement, but final conditional permit is still pending

		<p>2. NPDES General Permit</p> <p>3. Permits Management Office (OGPe) - Calculations for construction square footage were completed to finalize permit. The permit will be updated with the new data.</p> <p>4. PREPA ROW / Easement Permit of usage</p>		
	B. Land Acquisition		Completed	
	C. Contractors	<p>No major changes, waiting for final drawings with Luma comments to be completed.</p> <p>Preliminary Scope of work was distributed to potential EPC, waiting for their updates of the quotes</p>	In progress	General Contractor (GC), subcontractors and consultants' agreements are in process.
4	Procurement			
	A. Material List	The material list has been generated but many long lead-time products are waiting for proper approval. S&L and LUMA's interconnection and facility studies have determined that Xzerta proposed design is in compliance with the MTR's. Xzerta is waiting for final acceptance of the Design because LUMA has not approved any products submitted in advance by Xzerta.	Waiting for approvals	Refer to Material List Annex 1 found below for further information.
	B. Orders	Waiting for LUMA's or PREPA's approval of proposed products and approval of final design as required by PPOA	In progress	lead time of equipment will impact final implementation of project and COD. Design approval is causing major schedule and financial impacts. A notice of delay has been transmitted.
5	Implementation			
	A. Installation	<p>Preliminary definition of scope of works have been created and shared with proponents.</p> <p>Contractors (BLDM, Aireko, Solar Mounts and Dynamic Solar) visited in December once again the premises in order to update their quotes, but final prices and contract are pending on the final approvals.</p>	In progress	Waiting for acceptance of proposed design changes and final design
	B. Testing	Master Plan to be generated after approval of the design and upon	Not started	LUMA submitted their test protocols. The

		receiving PREPA's approved testing protocols. Master plan and test procedures will be generated in accordance with PREPA/LUMA approved testing protocols and operations.		master plan will be based on this information and the final approval of design
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The following table shows the status of RFIs:

#	Number	Description	Status	Date Submitted	Comments
1	RFI-001	Transformer specs and interconnection requirements (Y-D, D-Y or D-D)	Closed	4/26/2022	1 item remained open but followed by RFI-002. Transformer should be YG to Delta on the side of interconnection of 115 KV with PREPA with an internal shift of 30
2	RFI-002	Transformer specs (Not responded under RFI-001)	Closed	5/23/2022	Specifications received. Issues with Wind Conditions requirement. It will be followed through RFI-006
3	RFI-003	SCADA Communication Protocol and Sample of Points	Closed	5/23/2022	Received List.
4	RFI-004	Amount of demand Energy of PR	Closed	5/23/2022	Calculated at 0.0003% or 0.001 %
5	RFI-005	Request of Permit to usage of PREPA's ROW	Closed	5/23/2022	RFI was closed but Item is still open. LUMA requested to submit request for usage of easement via another form since it is managed by their Dept of Land and Permits
6	RFI-006	Request for exemption to Wind Conditions requirements. Vendors unable to meet criteria of 160 MPH. Current design meets 120 to 140 MPH	Closed	6/2/2022	LUMA stated that the cited specification details the requirements for equipment to be owned, operated, and maintained by PREPA/LUMA. Knowing that this equipment will remain under the care, custody, and control of the proponent, LUMA will not provide technical input on alternate wind load criteria for transformer components, since it is not an evaluation factor to determine the Facility's capability to be interconnected to the grid. Current design meets ASCE req. Refer to PPOA sections 9.4(a) & (b).
7	RFI-007	Request for approval of GCB proposed product	Closed	6/2/2022	Hitachi GCB Breaker for 115 KV. It has been conditionally approved. LUMA requested to increase CC of GCB1 based on their current design, 145 KV @ 2000 A CC

8	RFI-008	Request for approval of MV Switchgear proposed product	Closed	6/30/2022	LUMA stated that the MV switchgear approval is not within responsibilities. This will remain under contractor decisions regarding the solar farm or facility design.
9	RFI-009	Request for approval of Protective Relays, Network Switch, Controller	Closed	2/21/2023	S&L and LUMA's completed the Interconnection and Facility Studies. Preliminary design is in compliance with MTRs. Xzerta considers this item closed and approved.
10	RFI-010	Request for approval of Dynamic Studies	Closed	2/21/2023	S&L and LUMA's completed the Interconnection and Facility Studies. Preliminary design is in compliance with MTRs. Xzerta considers this item approved.
11	RFI-011	Request for approval of 3P Main Step-Up Oil Transformer 34/115KV	Closed	7/11/2022	S&L and LUMA's completed the Interconnection and Facility Studies. Preliminary design is in compliance with MTRs. Xzerta considers this item closed and approved.
12	RFI-012	Request for Testing Protocols and operating procedures	Closed	8/1/2022	Delivered
13	RFI-013	Request for LUMA/ PREPA to confirm if the Seismic Design Category can remain in A instead D because there is no historical data that requires to consider inertial loads associated with earthquakes within the area	Closed	10/13/2022	LUMA will not evaluate the civil design aspects for the medium voltage switchgear, since this equip is located upstream from the Main Power Transformer, and thus lies beyond LUMA's evaluation responsibilities for privately-owned Renewables projects. It will comply with ASCE stds.
14	RFI-014	Request PLS-CADD files for Transmission line detailed design	Closed	12/6/2022	LUMA provided the requested information and files
15	RFI-015	Response for Letter for Request of Permit to usage of PREPAs ROW	Closed	1/24/2023	Xzerta submitted to LUMA's Lands & Permits team on Nov 23, 2022, a 2nd request for the usage of existing easement/right-of-way that was reserved for future work on previously existing 115kV transmission line 39100 spanning westbound from Hatillo TC to Mora TC, in Isabela. It has been approved with the condition of been prepared for dual lines. A draft letter of a conditional permit was released for Xzerta review, but T&C required to be modified as per Xzerta comments.

16	RFI-016	Request of Design Information for secondary circuit of 115KV transmission line	Closed	3/22/2023	LUMA provided the requested information and files
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The following table shows the status of Transmittals:

#	Number	Description	Status	Date Submitted	Comments
1	XTA-TRA-0001	Relay Study and Updated Preliminary design	Closed	9/21/2022	Interconnection and facility study completed by S&L and LUMA on Feb 21, 2023. It determined that Xzerta proposed design is in compliance with all MTR's. Xzerta assumes that all preliminary design is approved and can proceed with the detail design
2	XTA-TRA-0002	Energy Yield Assessment	Closed	05/31/2023	LUMA releases on June 2 nd , 2023, an acceptance of this document. A second assessment is required to be performed once the system is implemented and ready for operations.
3	XTA-TRA-0003	Relay Study and Updated Preliminary design based on LUMA's Comments of 10/3/2022	Open	10/28/2022	Interconnection and facility study completed by S&L and LUMA on Feb 21, 2023. It determined that Xzerta proposed design is in compliance with all MTR's. As of today, Xzerta have not received any additional comments of the Relay Study thus this item is considered open.
4	XTA-TRA-0004	Xzerta Ltr 2nd Request of Permit Use of ROW and Rev 14 SLD Preliminary Design	Open	11/23/2022	LUMA's team released on 2/21/2023 a 2 nd draft letter for a conditional permit for usage of the ROW but Xzerta provided their comments to many of the terms. It is currently under evaluation by LUMA's and waiting for a resolution of all commercial issues as well Xzerta acceptance of LUMA terms & Conditions of their interconnection agreement.

5	XTA-TRA-0005	RFI 016 Request of Design Information for secondary circuit of 115KV transmission line	Closed	3/22/2023	
6	XTA-TRA-0006	Energy Yield Assessment and comments of Conditioned Permit for use of the electrical lines' easement	Closed	6/02/2023	

We continue committed to providing PREPA and the people of Puerto Rico clean and efficient energy and to assist in achieving the targets established in the Integrated Resources Plan (IRP) and the Public Policy aimed by the Government of Puerto Rico.

Sincerely,



Fernando Molini-Vizcarrondo

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Attachments:

Equipment and Components – Materials Status List

Equipment	Company/Brand	Status	Comments
PV Modules	RFPs Submitted to vendors	Proposal Received from Talesun and Trina Solar.	Interconnection Study completed and compliance with MTRs
Inverters	Ingeteam	Refresh of Proposal Received from Ingeteam to proceed with PO	Interconnection Study completed and compliance with MTRs
Battery Equipment	Ingeteam	Refresh of Proposal Received from Ingeteam to proceed with PO	Interconnection Study completed and compliance with MTRs
Racks and Anchoring	Schletter/Solar Mounts	Provided latest preliminary design to prospects to have them Revised Proposal	Waiting for design approval
Main Switchgear	Eaton	Received proposal from Eaton and Submitted for approval	LUMA stated that Main Switchgear will remain under the contractor's prerogative. No approval necessary
GIS/GCB	Hitachi	Submitted for approval	LUMA approved it with comments. Changes incorporated to proceed with POs
Transformer 34.5/115K	Hitachi	Submitted for approval	Interconnection Study completed and compliance with MTRs
Meters	Eaton	Waiting to receive meters information from Eaton to submit product for approval	Interconnection Study completed and compliance with MTRs
Protective Relays	SEL	Submitted for approval	Interconnection Study completed and compliance with MTRs
Foundations	Pending Completion of design		
Posts & Towers	Generic	Preliminary Design submitted	
Cables & Miscellaneous	Caribe Sales	Revised proposal received. Final proposal will be delivered upon completing design	