Scope of Work

ReDewable_Enerzinx_SOW_05152025

This Scope of Work is pursuant to the Service Agreement between Enerzinx, LLC, and ReDewable Energy Company, LLC ("CLIENT"). This document is marked confidential and shall not be circulated outside the organization of the intended recipient under no circumstances.

*This Scope of Work must be approved before work commences.

Project Scope: Injection study [JG1]and general project design in ERCOT region.

Technology Type: BESS

Utility: ERCOT

Project Size: TBD

Location: TBD

Est. Start Date: TBD (Upon receipt of signed SOW and all input data)

Estimated End Date*: 3 - 4 weeks from the start date
**The project timeline will commence upon receipt of complete and accurate data from the Client. Any delays or incomplete data the client provides that hinder the start of a project will result in an adjustment of the estimated end date. The Client will be notified of the new end date upon the start of the project.*

Terms of Compensation: (T&M, Fixed, Other: define): Fixed.

Estimated Labor Cost: See the cost breakdown in Table 1

Scope of Service:

ReDewable Energy (The Client) proposes to build a BESS project at Sparks, Texas (32.78835278, -99.92151667) under the ERCOT footprint. The Client has requested Enerzinx to conduct an injection/feasibility study for a standalone BESS project. The study will focus on assessing the available/feasible capacity on the nearby [JG2][GK3]substation/transmission line.

For this, Enerzinx will perform feasibility study at the project POI on the nearby substation/transmission line under the ERCOT footprint and following it based on the feasibility of the project and client's confirmation Enerzinx will develop the application package (not part of this scope) for the project. The primary objective of the Feasibility Study is to perform the capacity analysis for the substation[JG4] / Transmission line by considering the new queue projects and network upgrades which take place near to the proposed COD of the project. Specifically, through the injection study, any thermal overload or voltage limit violations resulting from the interconnection would be assessed. Standard NERC/ERCOT requirements for post-contingency facility loading would be used to evaluate the results of the contingency analysis. Enerzinx will also provide general project design and support for this project at the client's request.

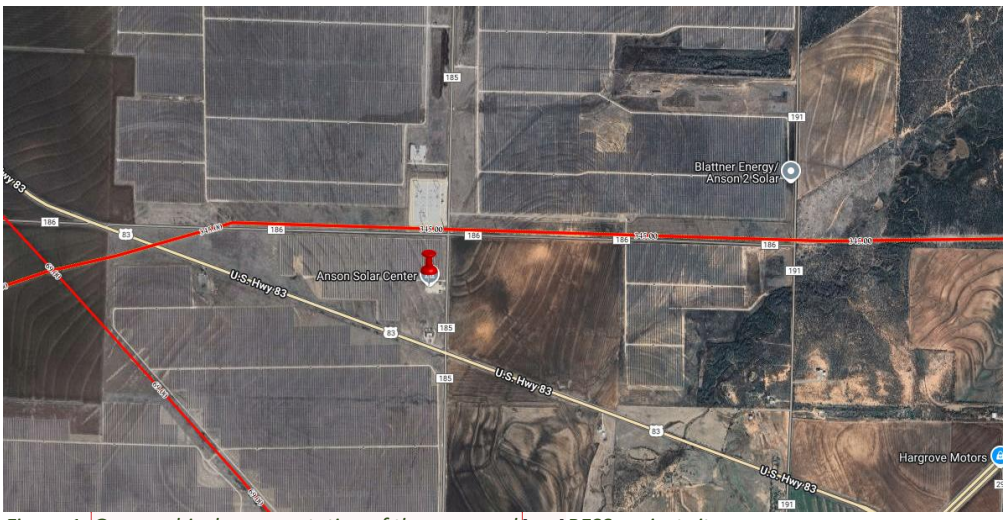

Figure 1: Geographical representation of the proposed [JG5]*BESS project site*

The study will be performed in phases as described below.

Phase 1 – Data Gathering

In the data collection phase, a "Base Case" using the latest approved Summer cases developed by the ERCOT Steady State Working Group (SSWG)/FERC-CEII would be evaluated for the given COD year. The client will be informed of the available capacity at the Point of Interconnection as per the base case. Upon receiving confirmation to proceed, the load flow case will be updated to reflect new generations, retirements, and transmission upgrades. Data regarding the planned upgrades will be sourced from publicly available resources, such as interconnection queues, transmission planning reports, and interconnection studies.

Only those upgrades would be considered that are deemed to have an appreciable impact on the deliverability of the proposed facility in question. In addition, a generation with a signed IA and that meets ERCOT'S planning guide section 6.9 only would be considered.

Assumption: Enerzinx and the client will have a collaborative discussion to establish the key assumptions for the studies. These assumptions involve various elements, such as but not limited to filtering interconnection queues, prioritizing dispatch queues, considering sensitivity scenarios, and evaluating major upgrades.

Phase 2 - Load Flow Update

The load flow case would be updated with the filtered list of upgrades (generation and transmission) obtained from Phase 1 – Data Gathering. All the network upgrades pertinent to the projects would be factored into the load flow. Load flow of summer representing extreme loading conditions would be utilized for this analysis. According to the COD, the load flow case would be updated to represent the expected system condition.

Phase 3 - Contingency Evaluation and Short Circuit Ratio Evaluation

Assuming there are no overflows on any of the transmission lines due to the addition of this new generation facility, NERC TPL-001-4 and the ERCOT Planning guide contingencies (an N-1 AC contingency) based on the study area and Distribution Factor (DF) would be performed with and without the proposed facility. Any transmission overload caused by the addition of this new facility would be identified and reported.

Approach Overview: [JG6]

After updating the load flow case with necessary updates, an FCITC analysis will be performed to evaluate the maximum generation that can be injected at proposed POI without triggering any transmission upgrades. The Summer Peak forecasting scenario will be utilized for this analysis. The analysis is performed by increasing the MW generation in steps of 5-10 MW and performing an exhaustive N-1 contingency (P1) analysis at each increment. The increment in MW generation will be done until a thermal/voltage violation is reported under the contingency condition. At this point, the generation level and the associated thermal/voltage violation will be recorded. This process will be conducted at the potential interconnection point in the study area. Enerzinx will utilize its proprietary scripts to perform this analysis. Once the proposed bus in the area has been analysed, a formal report will be delivered to the client.
If the client wants to execute N-2 contingency (P2 to P7) /utility's pre-determined contingency, etc., this can easily be integrated into the study with additional cost.

Further, to assess any potential voltage stability issues, the Short Circuit Ratio at the proposed point of interconnection would be evaluated.

The proposed approach is currently at a high level. Once Enerzinx is engaged for the work, the approach can be tailored to align with the client's specific requirements, depending on the level of detail they wish to explore.

Prerequisites:

The following prerequisites are required:

1. Confirmation from the client on the year of study (COD: 2028/2029).
2. Intended Point of Interconnection for the proposed facility.- *Received*
3. Meeting with the client to shortlist interconnection queues.

Note: Additional pre-requisites may be requested as needed by the project lead on commencement of project.

Deliverables:

The following are the deliverables:

1. A report outlining the results of the feasibility study will be delivered upon completion of the study.

Cost Breakdown

Table 1 below shows the cost breakdown for each task.

Table 1: Schedule and Cost Breakdown

Task #	Description	Cost Estimation ($)	Estimated Timeline
1	Data Gathering	$1,000	3-4 weeks
2	Base Case Development and Load Flow Update	$3,000	
3	Contingency Evaluation and Short Circuit Ratio Evaluation for a POI	$5,000/POI	
4	Report Generation	$1,000	
Total Cost (USD)		$10,000*	3-4 Weeks
General Project design and support		T & M: NTE $5,000	

**The above-mentioned cost is to study on one POI option. If we need to study multiple options for POI, Pricing will differ*

accordingly. If for any project efficiency is gained due to usage of previous deliverables, then a 10% discount will be applicable.

Request for Additional Services:

CLIENT authorization to proceed with additional requested services may be verbal or written. Verbal authorization will be documented in writing within a reasonable time following the CLIENT's request and should sufficiently describe the scope of work requested.

Reimbursable Expenses:

CLIENT shall reimburse Enerzinx for reasonable and ordinary expenses at cost. Coach class airfare will be used for domestic travel and Business class for international travel.

Purchase Orders:

Client Purchase Orders issued under this Agreement, if any, will include a reference to this Scope of Work that is substantively similar to the following: "This Purchase Order is subject to the Terms and Conditions of the Enerzinx scope of work "ReDewable_Enerzinx_SOW_05152025".

Invoicing Information

The invoice will be emailed after the deliverables are met. Payment Terms: Net 30.

Enerzinx, LLC
Proposal prepared by: Gokula krishnan S / Bhaskar Vamsi
Reviewed by: Jigar Gorasiya / Saloni Tikku
Date: 05/15/2025
Proposal Expiry Date: 06/15/2025
Regional Expert: Dr Vikramjit Singh & Bhaskar Vamsi

IN WITNESS WHEREOF, authorized representatives of both *Enerzinx, LLC,* and *CLIENT* have executed. this agreement as of the date set forth above.

Enerzinx, LLC.	***CLIENT***
By:	**By:**
Name:	**Name:** Talor Byington
Position:	**Position:** Owner
Date Executed:	**Date Executed:** 7/25/2025