

# Goldthwaite Energy Storage Project Overview

Mills County Commissioners Court  
September 25<sup>th</sup>, 2023





# Agenda

01. About VIP
02. Project Information
03. BESS Technology
04. Community Benefits
05. Development Process & Timeline



# About VIP

VIP was founded by three industry veterans with nearly 50 years combined experience developing 20+ GW of utility-scale renewable energy projects. With our partners, Pelion Green Future, we are a well financed, experienced development company committed to our core values of Integrity and Honesty.

- Established in October 2022
- Headquartered in Palm Beach Gardens, FL
- Partnership approach to developing and maintaining relationships
- Committed to core values – Integrity and Honesty
- Developing over 3.5 GW of energy storage in 4 states





# Who We Are



Two of VIP's founders are both industry and military veterans. The values they lived while serving are the cornerstones of our organization.

## Vision

- VIP is a team of thinkers and creative entrepreneurs
- We **operate collaboratively** to identify risks and then create plans to mitigate those risks

## Integrity

- The VIP team has **strong moral principles** and operates with transparency and honesty
- We maintain the **highest standards of professional character**

## Purpose

- VIP seeks to be **the catalyst for change** and continued innovation
- Proud to be part of the quest to decarbonize the planet

## Execution

- Our time spent to deliver results is precious – we value each other's time and that of our stakeholders
- We **emphasize responsiveness** to all parties by meeting or beating deadlines 100% of the time



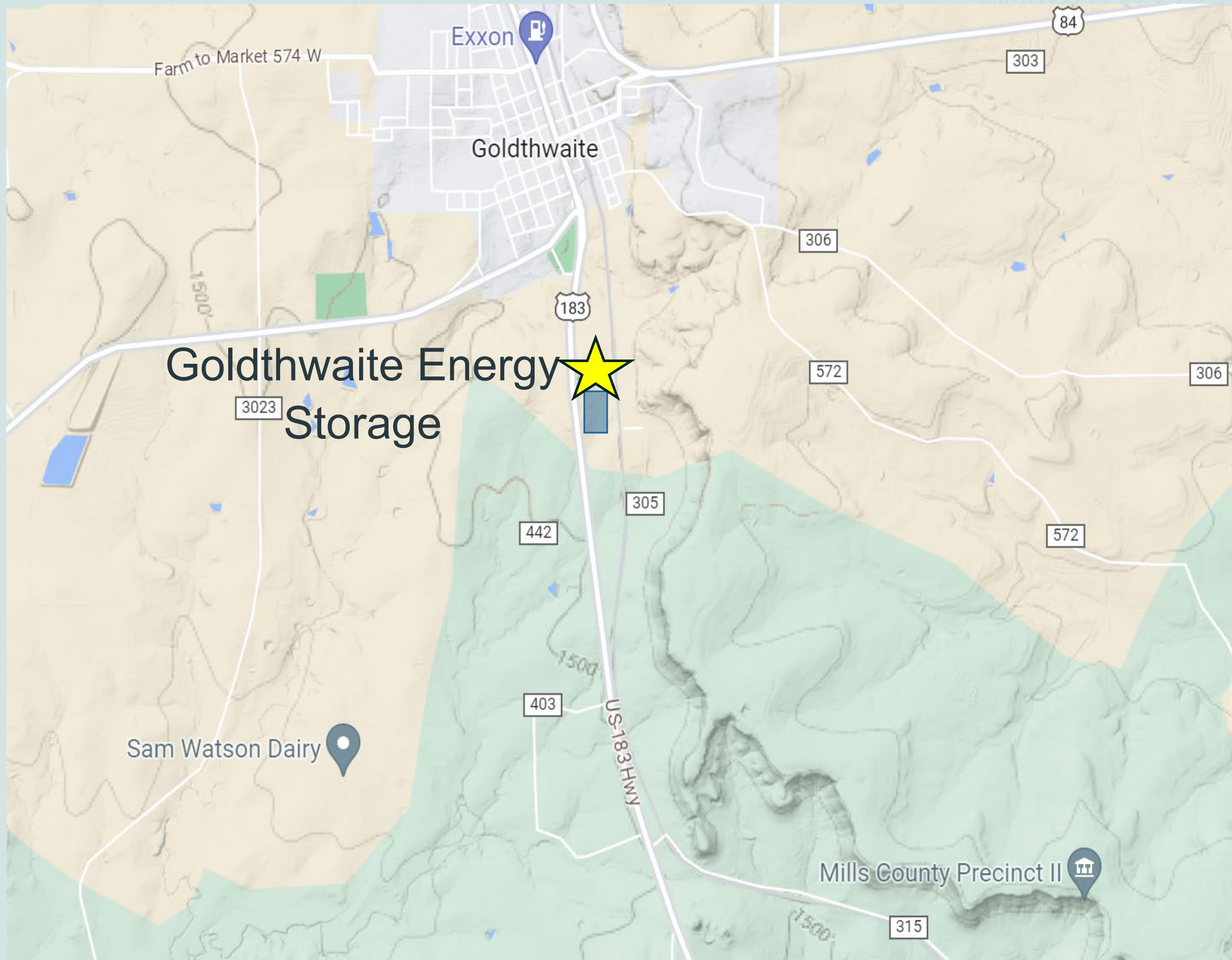
# Goldthwaite Energy Storage Project Information

- 200 MW, 2-hour duration battery, enough to power up to 60,000 homes for two hours
- Single landowner project with lease agreement signed
- Final footprint expected to be under 10 acres
- Extensive transmission and interconnection studies complete; currently in ERCOT's interconnection process
- Initial environmental site assessments, surveys and due diligence complete





# Goldthwaite Energy Storage Project Location



## Why this location?

- Proximity to substation
- Near renewable generation and heavy transmission
- Interested landowner as a partner
- Little impact to environment or viewshed





# Technology Overview

- Current project plan assumes Powin as the battery manufacturer
- State of the art Lithium-Ion\* Battery cells in self contained units
- Charges during periods of low-load when generation is high, discharges during times of peak demand
- Critical role in stabilizing the grid and preventing blackouts during times of peak demand
- Robust safety system and redundancies, including fire suppression and off-gas ventilation systems in each container and 24-hour remote monitoring and emergency response

\* Battery technology and manufacturer subject to change for final design





# System Breakdown– Powin

## Control Room

DC Disconnect Cabinet, AC Load Panel, HVAC Controls, Fire Detection, Hydrogen Detection, Comms and Controls

## Fire Suppression

Canisters strategically placed above each grouping of Stacks

## Cold HVAC

Air is ducted directly to the intake fans of each stack



## Wall-Mounted HVAC

One unit installed on each end of the enclosure

## Pre-integrated cable tray

Collects the DC cable, AC cable and Comms to each stack

## Deflagration

Vents installed on every enclosure



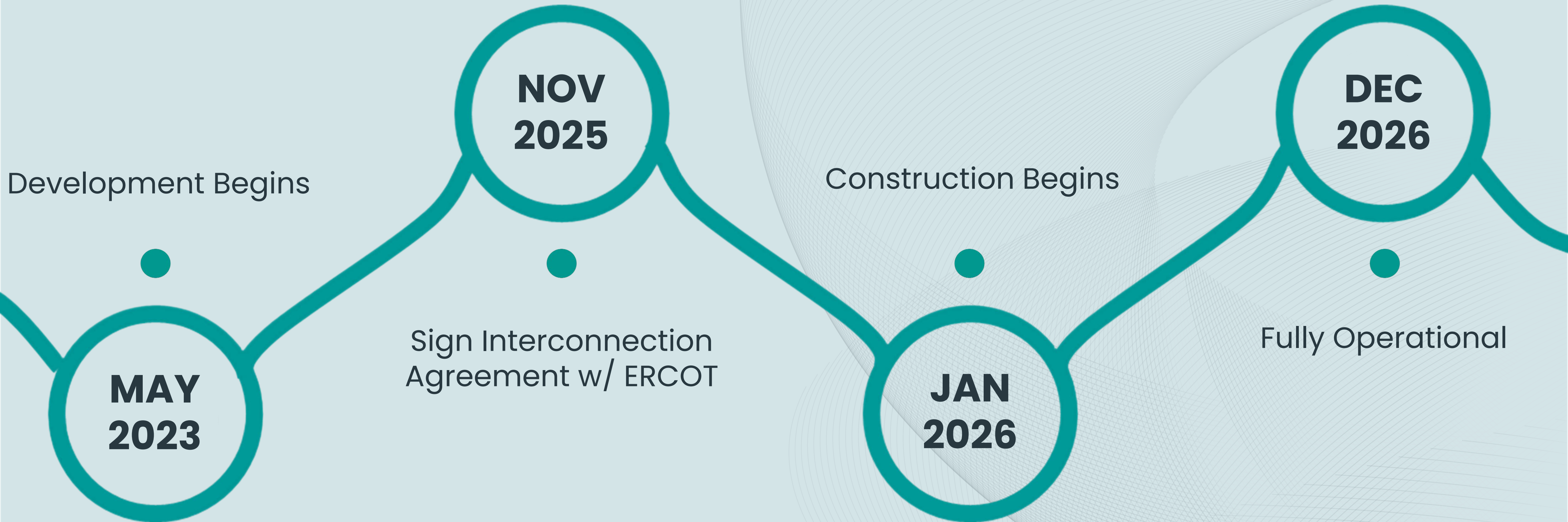
# Community Impacts & Benefits

- Increased county tax revenue without increasing spend on community services like police, schools, roads, etc.
- Sited next to an existing substation; continuation of existing infrastructure and viewshed
- Stabilization of the grid during extreme events (hot summers, cold winters)
- Utility-scale energy storage is widely utilized and extremely safe when designed, installed, and operated properly



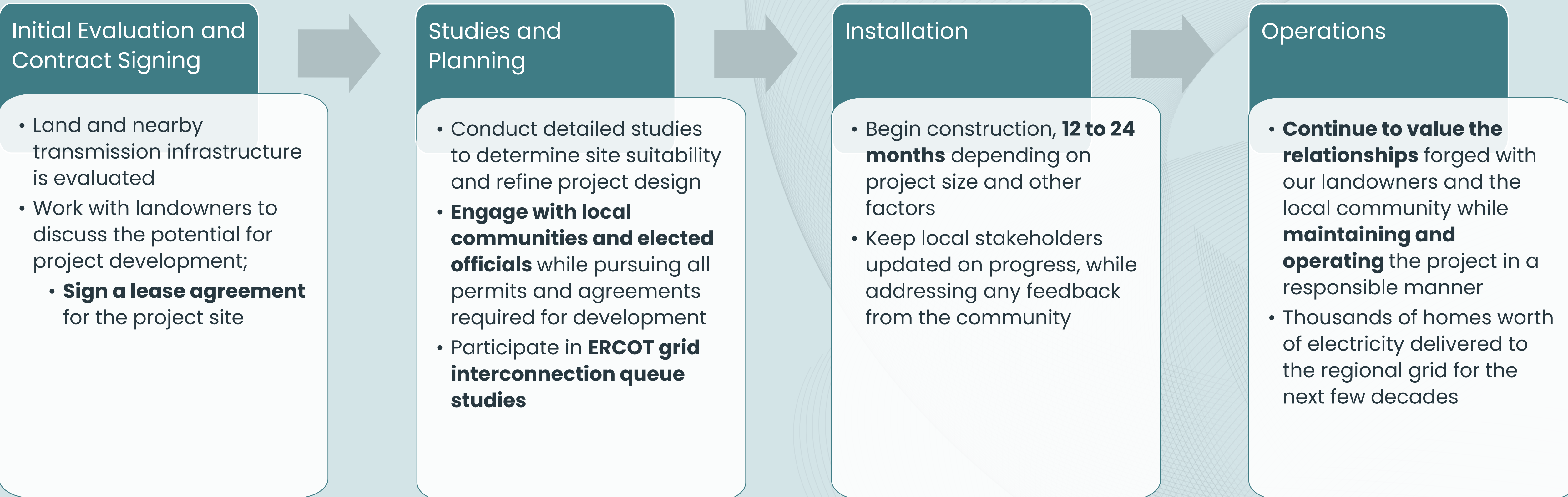


# Templated Timeline





# Our Development Process





# Contacts



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