



FAQ: Laramide Battery Storage Facility

As part of ongoing community engagement, Enfinite has prepared answers to Frequently Asked Questions (FAQ) about the Laramide Energy Storage project.

On February 29th, Enfinite hosted a public meeting to meet with community members and answer questions. Some of the questions detailed below were raised during the public meeting, while others came to us throughout the consultation process.

Enfinite is committed to transparency, and to working with the communities in which we operate. Enfinite believes in responsive engagement with landowners and community members interested in the project to help share accurate information and address concerns.

Who is Enfinite? Is it a foreign company?

We are a North American leader in energy storage and the largest battery storage operator in Canada. Headquartered in Calgary, we are 100% Canadian owned and funded. Enfinite specializes in developing and operating energy storage solutions with a focus on providing reliability and stability to Alberta's power grid and the communities it serves. Our projects are making a difference. For example, during this January's cold snap our nine operating storage facilities provided a total of 240MWs to help shore up Alberta's grid during the alert periods when other forms of generation weren't able to provide electricity. Our solutions helped to stabilize the electricity system and avoid blackouts in Alberta.

What are the main elements of the project?

Enfinite is proposing to build a 100-Megawatt battery storage facility in Foothills County. This project involves creating a lithium-ion battery storage facility to store electricity. The stored energy will be released into the Alberta grid when supplies of available electricity are low¹ – as they were in January.

This project aims to make Alberta's energy grid more reliable by reducing the need for power from other provinces when there's not enough electricity generated in Alberta. It will also help regulate the grid's frequency, which protects grid infrastructure which is paid for by Albertans' electricity bills. Enfinite's nine existing battery facilities in Alberta can respond to grid operator directives in less than 250 milliseconds, providing quick support for the provincial electrical system.

¹ Electricity will be released to the Alberta Interconnected Electric System (AIES) through the AltaLink Foothills 237S Substation (237S Substation).



Why was the proposed location selected??

Choosing a location for the battery storage facility was a rigorous process. Enfinite considered various factors including environmental impact, proximity to communities, and grid connectivity. We determined that the proposed site balanced our desire to minimize impacts on communities, reduce the amount of new infrastructure that would be needed, and maximize the amount of agriculturally productive land able to be farmed in the region.

Why is this project needed?

We've seen this winter that Alberta's electricity grid needs more capacity. This project helps make Alberta's electricity system more stable and reliable by storing electricity and dispensing it when the system needs it.

What is the size of the storage facility?

The project will occupy 10 acres on a 160-acre parcel of land. We deliberately selected a site for minimal impact on residents and other properties and to minimize the amount of new transmission infrastructure that would need to be built (and which Albertans pay for through transmission and distribution fees on their power bills). Our intention is to lease the remaining land for agricultural production.

Enfinite has two location options for the proposed battery storage facility. Following the first phase of engagement, further environmental feedback, and engineering analysis, Enfinite has identified a preferred and an alternate site on the same parcel of land. Both sites remain viable options for the proposed project. The proposed site in the northeast quadrant on the parcel has currently been identified as the preferred site.

Enfinite remains open to further engagement and discussion regarding the proposed siting of the project.

What safety measures are in place to protect residents in the area?

We have been operating battery storage facilities in Alberta for years without a single safety incident, so we expect minimal chance that an unsafe event will occur at this project site. We have taken care to provide above-world-class safety precautions for this and our other sites:

- Batteries will be stored in contained, leak-proof, stand-alone modules.
- We have prioritized extensive fire testing of our units.
- And we have doubled the required distance between modules to prevent fire spreading in the rare case it occurs.



How is Enfinite protecting against the risk of fire?

The likelihood of a fire at our facility is exceptionally low. However, as Albertans ourselves, we know all too well how devastating fires can be to homes and livelihoods. That's why we're going above and beyond to ensure the safety and security of the facility. Some of our measures include:

- 24/7 monitoring of the facility by real people, including two other third parties.
- Built-in, automatic fire control that meets or exceeds national and international standards.
- Working with local fire departments to ensure that they are equipped to respond in the very rare instance that an emergency takes place.

If there is a fire, what is Enfinite's emergency plan?

In the highly unlikely event of a fire, local fire departments are equipped and trained to manage the situation swiftly and effectively with standard response equipment. We are committed to continuing to work with local first responders to ensure that if a fire does occur the risks to surrounding residents, communities, and livestock are minimal and that they have the tools to manage it.

What is the risk of materials leaking into ground water?

Due to the nature of the batteries being a closed system, it is not anticipated there will be any potential leaching of materials into the ground water or soil.²

Are there any plans to expand the site or build renewable energy projects on the site?

No. Enfinite currently does not own or operate any solar or wind farms, nor does it have any development plans to do so. Enfinite's current assets are natural gas power generation or stand-alone energy storage focused on adding reliability to Alberta's electrical grid.

What standards and regulations govern the Laramide Battery Storage Facility?

Enfinite will have to apply to the Alberta Utilities Commission, and they will be the regulatory body that makes the decision for project approval. In considering the application, the AUC will review if other regulatory bodies have been properly consulted and their regulations have been met as part of the application.

² The units include built-in catch trays which will have a capacity 1.5 times the volume of cooling liquids used by the unit, and we have made other allowances to further reduce risk.



Enfinite will be adhering to and following the codes and standards under UL9540 (Energy Storage System Requirements), CSA C22.1(Canadian Electrical Code), AEUC (Alberta Electrical Utility Code), NFPA 855 (Standard for the Installation of Stationary Energy Storage Systems: 2020 Edition), and international fire codes such as UL9540A at the full system level.

Enfinite seeks to exceed industry standards and adheres to all relevant regulations and safety codes.

How will the facility impact the Frank Lake Bird Sanctuary?

Enfinite has taken extra precautions to protect the Frank Lake area and its biome. The facility will be sited outside the Important Bird Area. We are working with the Alberta Utilities Commission and Alberta Environment and Protected Areas to ensure that we don't just meet our obligations – but that we exceed them. Further, we do not believe there is any risk of materials leaching into the ground water or the soil that surrounds this important area.

We recognize the importance of Frank Lake and the Important Bird Area (IBA) and will continue to carefully consider their ecological significance throughout our project planning.

How big is the Laramide site, and how many megawatts will it generate?

The Laramide Battery Storage Facility will occupy 10 acres of land and will be capable of providing 400-Megawatthours (MWh) of electricity. This means at grid maximum capacity and demand; the battery could provide 100 MWs of electricity for up to four (4) hours.

Are you selling carbon credits generated by this project?

No, carbon credits are not generated by the Laramide Battery Storage Facility.

How will the site be secured during operation?

Site safety and security are front of mind for Enfinite.

The site will have secured fencing, motion sensing cameras, and proper lighting on the facility. Enfinite will also be able to monitor the site 24/7, and is equip with temperature monitors.

For further inquiries or concerns, please email laramideBSF@enfinite.com. We value community input and are committed to transparency throughout the project.