Proposed Genesee Energy Campus (East) Project

NOVEMBER 2026

Positioning Genesee to Potentially Host a Data Centre in the Future

In recent newsletters, we shared information about a proposed project at Genesee. No data centre customer has been confirmed, and Capital Power must address a range of commercial and regulatory matters before the proposed project could proceed.

Capital Power is proposing to develop up to 250 megawatts ("MW") of new power generation on a parcel of uncertified reclaimed land within the Genesee Mine, which was previously assigned for coal mining activities. The intent of the Genesee Energy Campus (East) development is to help attract and prepare for the potential co-location of a data centre at Genesee in the future. Although no data centre proponent or project has been confirmed, the proposed new generation could support future development on Capital Power-owned lands.

The proposed generation of up to 250 MW represents the first phase of development, with potential for future phases and additional development on Capital Power-owned lands, subject to further planning, commercial considerations, and applicable regulatory and municipal approvals.

Our approach proposes up to a 250 MW dedicated source of power that could serve a potential future data centre, without relying on electricity from Alberta's grid. The proposed Genesee Energy Campus (East) Project is expected to be fully off-grid with no tie to the current Alberta Interconnected Electric System.

Capital Power anticipates submitting a regulatory application for up to 250 MW of new generation to the Alberta Utilities Commission ("AUC") before the end of 2026. The Genesee Energy Campus (East) Project also requires an Industrial Approval issued by Alberta Environment and Protected Areas ("AEPA"), which would be filed in early 2027. Pending regulatory approval from both the AUC and AEPA, construction of the new generation could tentatively begin in early Q2 2027 and be completed by the end of 2027.

To learn more about the AUC application review process and how to participate, please consult the enclosed brochure or visit www.auc.ab.ca

Responsible Development by Design

The proposed Genesee Energy Campus (East) infrastructure would be located on previously disturbed land within the Genesee Mine, and is more than 3.5 kilometres from the nearest residence. The project's remote location aims to minimize any potential adverse construction and visual impacts. The project would not be connected to the Alberta electric grid, therefore a potential data centre project powered by the infrastructure would not affect electricity prices for ratepayers. Additionally the new generation would not need any water for cooling.

About us

Capital Power (TSX: CPX) is a leading North American independent power producer with approximately 12 GW of generation capacity across 35 facilities. Our portfolio includes natural gas, renewable energy and battery energy storage. Through a flexible, resilient fleet, we deliver utility-scale power to help meet growing electricity demand. With deep expertise and an investment-grade credit rating, we provide safe, reliable energy that communities can count on.



Project Overview

The proposed Genesee Energy Campus (East) Project, if it proceeds, would consist of up to 131, 1.9 MW Cat® XGC1900 trailer-mounted reciprocating engines ("recips") fuelled by natural gas coupled with a generator. Each unit is enclosed in a sound-attenuated container to dampen noise, and each unit is approximately 12.2 metres long x 2.4 metres wide x 2.9 metres high with a stack extending to a total height of up to 10.7 metres. The units would be located behind the perimeter fence at the Genesee Mine, which is regularly patrolled by on-site security.

With extended lead times due to unprecedented demand for new natural gas turbines and associated equipment, developing this type of generation would provide a faster path to bringing new power online while longer-term options, including a potential expansion of the existing Genesee Generating Station, could be evaluated.



The proposed Cat® trailer-mounted reciprocating engines will resemble the example shown; however, the final configuration may differ.

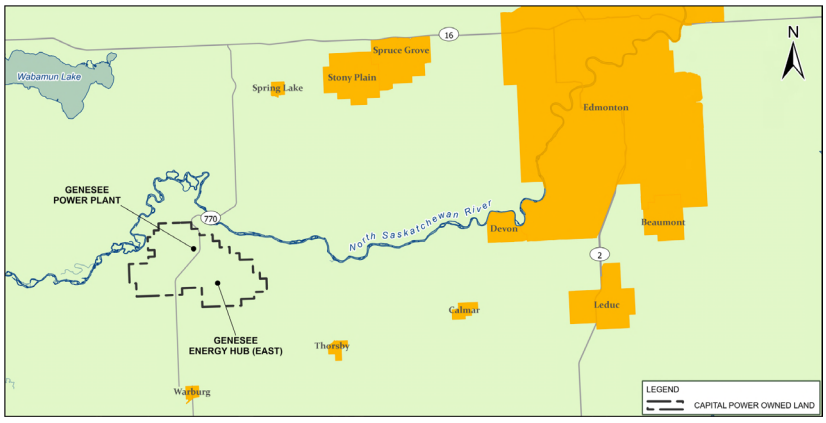
The Genesee Site is Strategically Located for Data Centre Development

At this stage, the proposed up to 250 MW of new generation is focused on planning for potential future opportunities. **No** data centre project has been confirmed, and any future data centre specific development would be subject to further planning and additional applicable regulatory and municipal approvals.



New Generation Site Location

The proposed new generation project would be located on approximately 55 acres of uncertified reclaimed land previously disturbed by strip mining activities in the Genesee Mine. The site is in the northwest of Section 8, Township 50, Range 2, west of the 5th Meridian in Leduc County. It is approximately 4.5 km southeast of the existing Genesee Generating Station and 6.5 km northwest of the Hamlet of Telfordville. The site would be accessed from Secondary Highway 770 using existing heavy-haul roads within the Genesee Mine, minimizing construction traffic on public roads.



Electricity Line

Four new 34.5 kilovolt (“kV”) overhead medium-voltage lines would connect the proposed Genesee Energy Campus (East) Project to Capital Power-owned land located to the east, in an area within the southern half of Section 10 and the north half of Section 3. The 3,200-metre three phase distribution system would run in parallel and would all be located on Capital Power-owned land within the Genesee Mine. Until it is potentially connected to a future data centre, the lines would terminate in the southwest quarter of Section 10, Township 50, Range 2, west of the 5th Meridian, in Leduc County. The lines would not be grid-connected.

Natural Gas Pipeline

A new underground steel natural gas pipeline would supply fuel gas to the proposed recips. The pipeline would be located entirely on Capital Power-owned land and use the company’s existing natural gas supply. There are two routes currently being evaluated, and the pipeline would be tied into existing natural gas transportation.

A separate Pipeline Licence application will be submitted to the Alberta Energy Regulator (“AER”) for the construction, operation, and reclamation of the natural gas pipeline. For more information, visit **www.aer.ca.**

If the proposed project proceeds, a future project notification would provide more details about the proposed natural gas pipeline, including the selected route.

Pending the AER’s approval, construction of the natural gas pipeline would begin in Q2 2027 and be completed in Q3 2027.

Environmental Commitment

Capital Power has retained SLR Consulting to complete the required wildlife, wetlands, soils, and vegetation surveys and other environmental studies. Their work includes an air dispersion modelling study that will assess any potential effects of the new reciprocating engines’ emissions on air quality within the area.

> The proposed Genesee Energy Campus (East) Project infrastructure would be located on previously disturbed land, minimizing land use and any adverse environmental impacts.

SLR is also preparing a Noise Impact Assessment (NIA) according to the requirements of *AUC Rule 012 - Noise Control* that will be submitted as part of Capital Power’s application to the AUC. Based on preliminary noise modelling, the NIA is expected to demonstrate that the proposed project complies with regulatory noise limits. The proposed Genesee Energy Campus (East) Project would require an *Environmental Protection and Enhancement Act (EPEA)* Approval from Alberta Environment and Protected Areas (“AEPA”).

Genesee Generating Station

Capital Power’s Genesee Generating Station has been a cornerstone of Alberta’s energy infrastructure for more than 35 years. Today, Genesee is Canada’s most efficient natural gas combined cycle facility. In total, the facility provides 1,857 MW of reliable base load electricity to Alberta’s grid.







Proposed Project Timeline

Activity	Timing[1]
Stakeholder and Indigenous engagement	Ongoing throughout the life of the project
Project notification	November 2026
Regulatory application submitted to the Alberta Utilities Commission (“AUC”) for Genesee Energy Campus (East)	Late Q4 2026
Regulatory application submitted to the Alberta Energy Regulator (“AER”) for the natural gas pipeline	Early Q1 2027
Regulatory application submitted to Alberta Environment and Protected Areas (“AEPA”) for an industrial approval under the *Environmental Protection and Enhancement Act (“EPEA”)*	Early Q1 2027
Anticipated AUC decision	Early Q2 2027
Anticipated AER decision	Q2 2027
Anticipated AEPA decision	Q2 2027
Generation, pipeline, and distribution line construction mobilization	Early Q2 2027
Generation, pipeline, and distribution line construction commissioning	Second half of 2027
Anticipated commercial operations date	Q4 2027

[1]Anticipated schedule, pending regulatory and municipal approvals

As our plans progress, we will keep the community informed as new, relevant information becomes available. For more information, or if you have any questions, comments, or concerns, we want to hear from you.

Contact Us

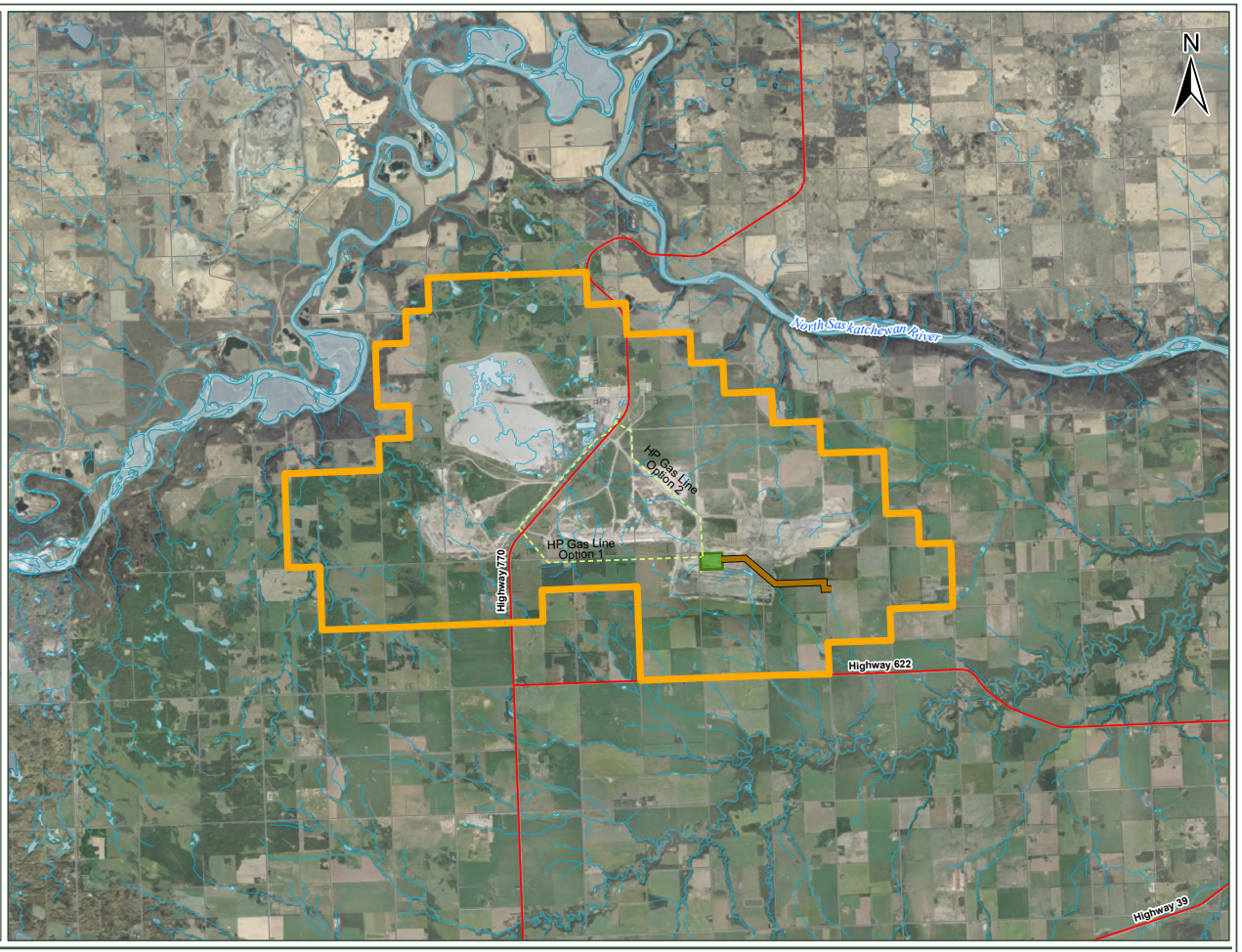
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LEGEND:

- CAPITAL POWER PROPERTY BOUNDARY
- RICE (RECIPROCATING INTERNAL COMBUSTION ENGINE) FOOTPRINT
- 34.5 KV OVERHEAD DISTRIBUTION LINE
- NATURAL GAS PIPELINE
- WATER BODY
- WATERCOURSE
- HIGHWAYS
- ROADS

0 2.5 5 km

SCALE 1:125,000
PAGE SIZE: 11 x 17
NAD 1983 UTM Zone 11N
THIS MAP IS FOR CONCEPTUAL PURPOSES ONLY AND SHOULD NOT BE USED FOR NAVIGATION

CAPITAL POWER CORPORATION
WARBURG, ALBERTA

CONSULTATION AND NOTIFICATION

SITE LOCATION MAP

SLR

FIGURE NO:
2

DATE: October 21, 2026

PROJECT NO: 233.065889.00001

Last Saved: October 20, 2026 2:56 PM by tgraham
GIS PATH: G:_Projects\203\203_060540_Cardinal\1_Workspace\1_Maps\202608_NotificationConsultation\CP_Atlas_233_065889__ConsulationNotification.aprx || 233_065889_CN_GEH_02_SiteLocation

AUC
Alberta Utilities Commission



Participating in the AUC's independent review process to consider facility applications

www.auc.ab.ca

The AUC regulatory review process to consider facility applications for utility projects

The AUC uses an established process to review social, economic and environmental impacts of facility projects to decide if approval of a project is in the public interest.

The AUC considers applications requesting approval of the need for transmission development and facilities applications seeking approval to construct, operate, alter and decommission electric and natural gas facilities. Applications, as specified in AUC Rule 007, are required for:

- The need for transmission upgrades.
- The route and location of transmission facilities.
- The siting of power plants.
- The construction of a battery storage system.
- The designation of an industrial system.
- The need for and siting of natural gas utility pipelines.

Sometimes the Alberta Electric System Operator's needs identification document application is considered together with a facility application in a single proceeding; sometimes separate proceedings are held to consider each application.

Application review process

Step 1: Public consultation prior to applying to the AUC

Step 2: Application filed to the AUC

Step 3: Public notice

Step 4: Public submissions to the AUC

Step 5: Consultation and negotiation

Step 6: The public hearing process

Step 7: The decision

Step 8: Opportunity to appeal

Step 9: Construction, operation and compliance

Application review process

Step 1: Public consultation prior to applying to the AUC

An applicant seeking approval of a proposed utility development project is required to engage in a participant involvement program prior to filing an application with the AUC. The public involvement program involves consultation with persons whose rights may be directly and adversely affected by the proposed project so that concerns may be raised, addressed and, if possible, resolved.

The application guidelines and requirements for facility applications can be found in AUC Rule 007: *Facility Applications*.

Potentially affected parties are strongly encouraged to participate in the public consultation, also called a participant involvement program. Early, active and ongoing discussions with an applicant may lead to greater influence on project planning and what is submitted to the AUC for approval.

Step 2: Application filed to the AUC

When the applicant has concluded its consultation with potentially affected parties and the participant involvement requirements have been completed, the applicant files its application through the AUC online public filing system, called the eFiling System.

AUC staff members review each application submitted to verify that all of the application requirements in Rule 007 have been met before an application is deemed complete. If all of the required information is not provided, the application may be closed or missing information will be requested of the applicant. Rule 007 specifies, among other requirements, that applicants must submit the results of a public involvement program in its application that includes information about how applicants consulted and notified stakeholders and Indigenous groups and identifies any unresolved objections and concerns about the project.

Step 3: Public notice

When the AUC receives an application it is assigned a proceeding number and the AUC generally mails a notice of application directly to those who live, operate a business or occupy land in the project area who may be directly and adversely affected if the AUC approves the application. The notice initiates the opportunity for formal intervention in the proceeding to consider an application or applications. The notice of application will also set out important dates and information about where to find the application and other items being considered. The five-digit eFiling System proceeding number in the notice is the most efficient way to find information about a proposed project through the AUC website.

Step 4: Public submissions to the AUC

Prior to the submission deadline provided in the notice, formal submissions of outstanding concerns and unresolved objections about a project may be submitted to the AUC. To submit a concern, participants will need to register to participate in the proceeding, which involves providing a brief written statement called a statement of intent to participate. Submissions are filed electronically through the eFiling System. The information filed becomes part of the public record and is an important part of the process to ensure that outstanding concerns are heard, understood and considered.

The AUC uses the information gathered through statement of intent to participate submissions to decide whether to hold a hearing on the application(s). The AUC must hold a hearing if a concerned person can demonstrate that they have rights that may be directly or adversely affected by the AUC's decision on the application. Such a person is said to have standing before the AUC. If the AUC decides to hold a hearing, the AUC will provide further opportunities for participants with standing to ask the applicant questions on the public record and present their position on the application either in writing or in person. Hearings may be held in writing, in person or virtually through web-conference software.

AUC eFiling System

The eFiling System is the online tool that the AUC uses to manage applications and submissions in its proceeding-based review. The eFiling System gives access to all public documents associated with an application. The system is also used to submit your concerns and provide input to the AUC and can be used to monitor related proceeding filings. Those who do not have access to the internet can send submissions, evidence and other material by mail and the AUC will upload the submission on their behalf.

Step 5: Consultation and negotiation (if applicable)

The AUC supports efforts to reach a mutually agreeable outcome among the applicant and affected parties. The AUC encourages the applicant and those who have filed a statement of intent to participate to continue to attempt to resolve any outstanding issues. If all concerns can be satisfactorily resolved this may eliminate the need for a formal hearing. However, if there continues to be unresolved issues, those matters will typically be addressed in an AUC hearing.

Step 6: The public hearing process

The AUC will issue a notice of hearing if a person with standing continues to have legitimate unresolved concerns with the application. The notice of hearing will provide a hearing date and location, or specify if the hearing will be held in writing or virtually. When the AUC holds a public hearing, registered parties are given the opportunity to express their views directly to a panel of Commission members. Any member of the public can listen to an in-person or virtual oral hearing. An oral public hearing operates similar to a court proceeding.

Participants in a hearing can either represent themselves or be represented by a lawyer. In addition, participants may hire experts to assist in preparing and presenting evidence to support their position.

Cost assistance

A person determined by the AUC to have standing or a local intervener can apply for reimbursement of reasonable costs. Those who hire a lawyer or experts/consultants must be aware that while reimbursement for the costs of legal and technical assistance is available under AUC Rule 009: *Rules on Intervener Costs*, recovery of costs is subject to the AUC's assessment of the value of the contribution provided by the lawyer and or experts/consultants in assisting the AUC to understand the specifics of the case. It is also subject to the AUC's published scale of costs.

People with similar interests and positions are expected and encouraged to work together to ensure that expenditures for legal or experts/consultants are minimized and costs are not duplicated.

Step 7: The decision

The AUC's goal is to issue its written decision no more than 90 days after the close of record. The AUC can approve, or deny an application and can also make its approval conditional upon terms or conditions. AUC decisions are publicly available through the AUC website at www.auc.ab.ca.

Step 8: Opportunity to appeal

An applicant or participant in a proceeding may formally ask the Court of Appeal of Alberta for permission to appeal an AUC decision. An application for permission to appeal must be filed within 30 days from the date the decision is issued.

An applicant or participant in a proceeding can also ask the AUC to review its decision. An application to review a decision must be filed within 30 days from the date the decision is issued and satisfy the limited grounds described in AUC Rule 016: *Review of Commission Decisions*.

Step 9: Construction, operation and compliance

An applicant that receives approval to build and operate a facility from the AUC is expected to follow through on any commitments it has made to parties and must adhere to any conditions that were set out in that approval. If concerns about compliance with approval conditions and post-construction operations cannot be resolved with the applicant, they can be brought to the AUC's attention for consideration. The AUC has significant compliance and enforcement powers for all approved applications. Additional information is available on the AUC website.

Updated November 2025

The Alberta Utilities Commission is an independent, quasi-judicial agency of the government of Alberta that ensures the delivery of Alberta's utility services take place in a manner that is fair, responsible and in the public interest.

We are committed to ensuring that Albertans whose rights may be directly and adversely affected by a utility development project are informed of the application and have the opportunity to have their concerns heard, understood and considered.

AUC
Alberta Utilities Commission

Contact us

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