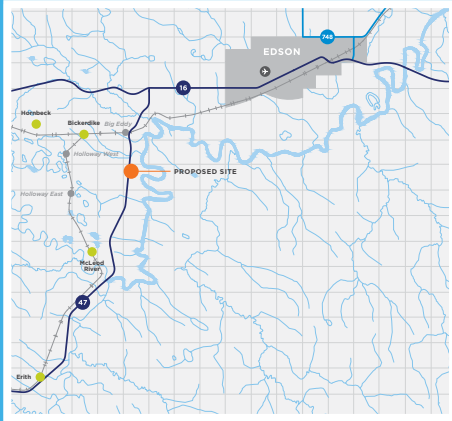


# CASCADE POWER PROJECT

SPRING 2022 NEWSLETTER



## Project Overview

**Cascade Power Project** (“Cascade”, or the “Project”) is a 900-megawatt (“MW”) combined-cycle power generation facility located in Yellowhead County, approximately 12 kilometres southwest of Edson, Alberta. Once in operation, Cascade will provide power to more than 900,000 homes in Alberta. The Project, managed by Kinetikor Resource Corp. (“Kinetikor”), started construction in the fall of 2020 and has made significant progress to date.



Erection of structural steel for generation building



Pouring of foundation for Powerhouse

## CASCADE POWER PROJECT AT A GLANCE:

- **Facility:** High-efficiency, combined cycle natural gas-fired generating facility
- **Capacity:** 900 MW
- **Work-hours to date:** Over 1 million man-hours (end of February 2022)
- **EPC Contractor:** BPC, a joint venture between Black & Veatch and PCL Industrial Management
- **Technology:** Two x Siemens SCC6-8000H Power Trains
- **Fuel:** Natural gas
- **Commercial Operation:** 2023
- **Total capital investment:** \$1.5 billion
- **Current Workforce numbers:** Approximately 450 personnel

## PROGRESS TO DATE

**The following significant activities have been achieved since the start of construction in September 2020:**

- Installation of all underground services and foundations
- Erection of structural steel for the generation building
- Substantial progress towards the completion of the operations centre
- Delivery and placement of the gas turbines
- Delivery and placement of one of the two generators
- Erection of the heat recovery steam generator (HRSG) major components
- Delivery of the steam turbines
- Erection of the water tanks
- Substantial progress towards the completion of the natural gas pipeline
- Initial construction of the high voltage transmission line

## EMPLOYMENT OPPORTUNITIES AT CASCADE

There will be multiple employment opportunities at Cascade for future operations and maintenance services. Kinetikor will be hiring a plant manager as well as other local, permanent, full-time staff members by mid-2023. Positions at the Project are expected to include:

- Plant Manager
- Operations Manager
- Maintenance Manager
- Compliance Coordinator
- Plant Administrator
- Control Room Operators
- Operations & Maintenance Technician
- Electrical Technician
- Instrumentation & Controls Technician
- Mechanical Maintenance Technician
- Warehouse/Purchasing Technician

Interested candidates can visit Kinetikor's [Careers](#) page for further information and to apply for positions. Job postings are expected to be available by mid-2022.

## GOING FORWARD

- In 2022, the following construction activities are planned at Cascade Power Project:
  - Completion of structural steel for the main buildings
  - Completion of cladding and roofing on the generation building
  - Installation of all major equipment including the HRSGs and the Air-Cooled Condensers ("ACCs")
- Finalization of the water storage tanks
- Assembly of piping and electrical work
- The anticipated work efforts in 2022 will include:
  - Approximately 500,000 to 750,000 man-hours
  - Up to 1,000 workers at the site (at peak)
- Edson and area residents may experience the following minor traffic delays due to the increase in construction-related activities and the arrival of major loads of equipment:
  - Localized delays on Highway #47 due to the transport of large loads, expected to be on site by summer 2022
  - Some anticipated increased traffic from the number of workers travelling to site daily

## INDIGENOUS PARTNERSHIPS

At Kinetikor, we believe partnerships and collaboration are key to success and we are committed to developing close, long-term relationships with Indigenous communities on whose traditional territories we live and work.

Kinetikor is proud to have partnered with the Indigenous Communities Syndicate LP ("ICS"), a consortium of six Alberta First Nations, owned by Alexis Nakota Sioux Nation, Enoch Cree Nation, Kehewin Cree Nation, O'Chiese First Nation, Paul First Nation and Whitefish Lake First Nation as [investors in Cascade](#).



As the provincial economy rebounds, Alberta's challenge to recruit skilled labour will increase. The Cascade Project has proven to show how including Indigenous Companies, like Alexis Nakota Sioux's Backwoods Energy, helps to solve skilled labour challenges in the short term and long term. We are proud to be a part of this regional economic driver with all stakeholders."

**Chief William 'Billy' Morin**



*Installation of burner casing panels on HRSG Unit 10*

**Kinetikor Whistleblower Hotline: 1-844-563-1236**





## SAFETY

Safety remains a priority at Cascade and we are focused on maintaining a safe and healthy work environment. There has been no lost time on the Project due to incidents and we will continue with the programs that minimize the potential for incidents.

## BEING A GOOD NEIGHBOUR IS IMPORTANT TO US!

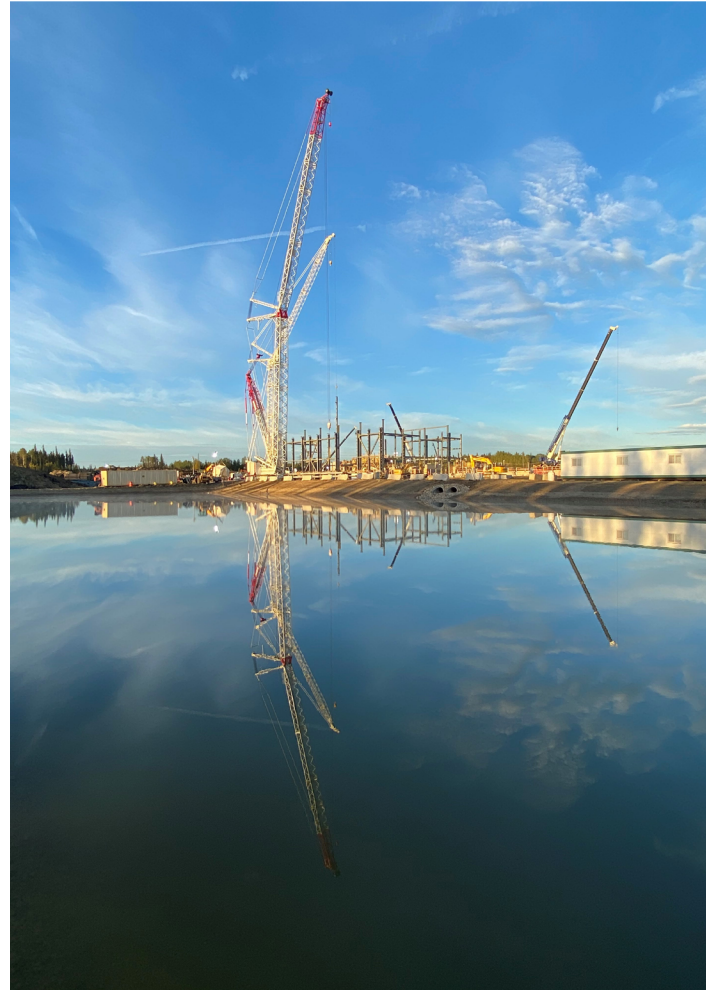
At Kinetikor, we believe continual engagement and support of local communities is imperative to create strong partnerships.

- Kinetikor has supported various local causes such as Edson's ShelterPod project for two years, and the Red Brick Arts Centre and Museum.
- BPC has donated to local charitable organizations in the Edson area throughout 2021, including the Edson Royal Canadian Legion #51, Edmonton Animal Rescue Society and the LEAP Program. BPC will more than double their contributions in 2022.



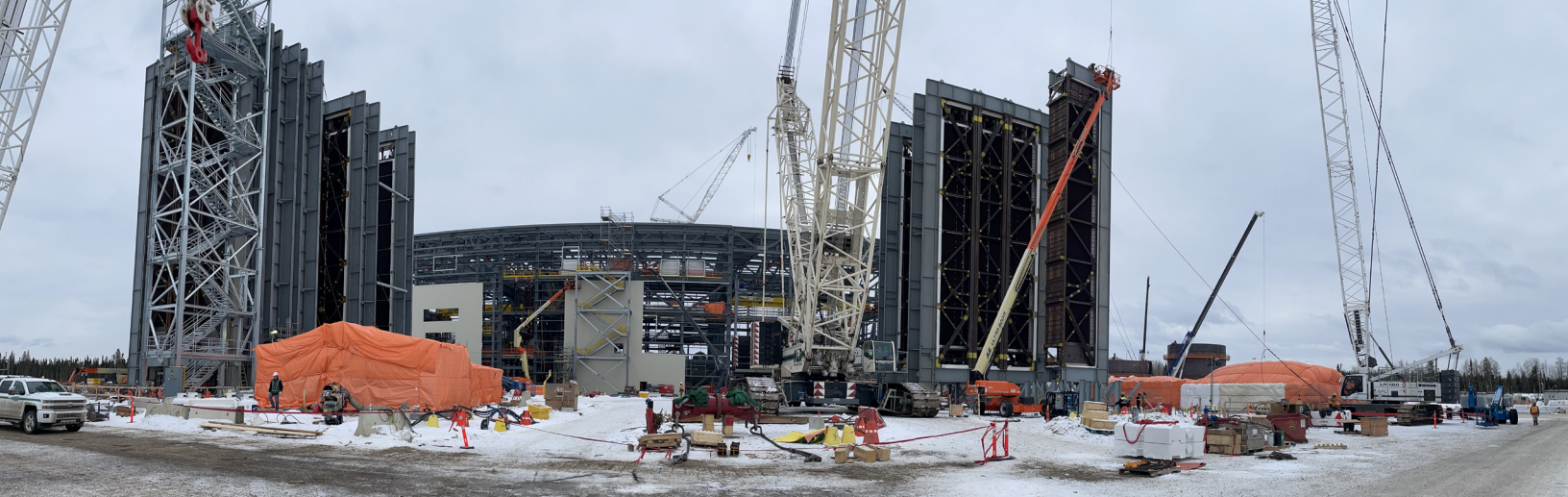
Working towards reconciliation means collaborating with Indigenous community members to find an approach that works for everyone. Back in 2020, we were pleased to highlight the investment of six First Nations into the Cascade Power Project near Edson. This is a massive project that prioritizes the well-being of not only members of Indigenous communities, but also the vast majority of Albertans whose livelihoods depend on a reliable source of electricity. As a government, we offer our full support to projects that involve Indigenous collaboration and promote economic growth. I'm proud of the work Kinetikor and the Alberta Indigenous Opportunities Corporation have been doing to bring jobs to the Edson area and attract business to our region. This project will give Indigenous Albertans and local communities the chance to grow their careers and create prosperity for future generations."

**Martin Long — MLA for West Yellowhead**



**Top:** Stormwater pond (foreground); erection of structural steel for generation building (background). **Above:** Delivery of Unit 20 generator to site





Looking south at the HRSG'S and generation building

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We're excited to have this innovative and sustainable natural gas power generation plant in Yellowhead County. With the construction well under way we have experienced a significant spike in growth of workers coming into the area and this project will provide several long-term jobs once it is completed. This project started at a time when things were so uncertain and it has really benefited the economies of Yellowhead County and our urban neighbors. It was great for the Developer of this low emissions power plant to choose Yellowhead County, especially as we're facing significant changes in the phasing out of older technologies that have supported our communities for generations. We have the resources and workforce already in place, it's a win-win for County residents and industry. This \$1.5 Billion dollar power project, located in the Bickerdike-Robb area of Yellowhead County, will be an important tax contributor for our County for years to come. We look forward to continued work with Cascade Power, now and well into the future.”

Wade Williams — Mayor of Yellowhead County

## Did you know?

The Cascade Power Project requires:

**+5,000 tons of steel** — equivalent to the weight of 750 elephants

**+30km of pipe** — enough to span from the Project site to the edge of Edson and back

**+500km of cable** — enough to get to the edge of Edmonton and back

**Materials and machinery from around the world, including:** Canada | USA | Mexico | South Korea | China | Vietnam | Egypt | Germany | Italy | Spain | India



Operations centre — structural steel and HVAC installation



Cascade Power site looking North

## CONTACT US

If you have any questions or concerns regarding the Cascade Power Project, do not hesitate to contact us at:  
Email: [info@cascadepower.ca](mailto:info@cascadepower.ca) | For more information about the Project, please visit: [www.cascadepower.ca](http://www.cascadepower.ca)