

# Genesee Generating Station *Environmental Protection and Enhancement Act Approval*



NOVEMBER 2024

## Renewal Notification

Capital Power Generation Services Inc. (Capital Power) plans to submit a renewal application to Alberta Environment and Protected Areas (AEPA) in January 2025 for its existing *Environmental Protection and Enhancement Act* (EPEA) Approvals for the continued safe and reliable operation of the Genesee Generating Station (GGS), located approximately 50 km west of Edmonton within Leduc County, AB.

An EPEA Approval is required to operate industrial facilities in Alberta. They provide strict conditions which a facility must meet to operate and are intended to minimize any potential impact to the environment and the public.

The current EPEA Approvals (No. 773-03-00 and No. 773-03-01) for the GGS are scheduled to expire on February 1, 2026. To reflect the GGS being off coal and now 100% natural gas-fueled as of June 2024, the two existing EPEA Approvals will be combined into a single EPEA Approval (No. 773-04-00).

Capital Power intends to request another 10-year EPEA Approval with no material changes. Most of the requested changes in the renewal application will reflect the change in fuel type and corresponding changes in operations. They will include requests to:

- Remove monitoring parameters related to coal fuel
- Remove coal fuel related equipment
- Remove coal fuel related analytical requirements
- Remove coal fuel related waste management requirements
- Update groundwater monitoring program from annual to biennial as approved by AEPA in August 2024.

## Genesee Generating Station

Genesee 1 and 2 have been repowered to natural gas and are currently undergoing commissioning activities for combined-cycle operation. Once complete later this year, Genesee 1 & 2 will be the most efficient natural gas combined cycle facility in Canada. Genesee 3 has also been converted to natural gas.



The repowered units have improved emission intensity, performance, and competitiveness and when in full operation will immediately reduce emissions at Genesee by 3.4 million tonnes annually.

The power generation facility has provided reliable and affordable baseload electricity to Alberta for more than 30 years.

## Contact us

If you have any questions, comments, or concerns about the EPEA renewal, or operations at the Genesee Generating Station, please contact us at:

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