

CONNECTING TO OPPORTUNITIES

Taltson Hydroelectricity Expansion Project



The Taltson Hydroelectric Project will expand the existing Taltson generating station and connect the NWT's hydroelectric systems to provide clean energy to the mineral-rich Slave Geological Province.

Government of
Northwest Territories



CONNECTING TO OPPORTUNITIES

FAST FACTS

- The Taltson River system has 200 MW of electrical generation potential.
- A 60 MW expansion of Taltson could remove 240,000 tonnes of GHG emissions annually.
- 270 km of transmission lines will connect Taltson to the North Slave Hydro System.

PROJECT PHASES

1. Connect the Taltson Hydro System to the North Slave Hydro System and add 60 MW of capacity
2. Provide clean energy to the Slave Geological Province and resource sector
3. Connect the NWT electrical grid to the Southern electrical grid

PROJECT HIGHLIGHTS

- The project is part of a full service infrastructure corridor concept (transportation/energy/communications) that would provide clean energy to the mineral-rich Slave Geological Province.
- Initial expansion will add 60 MW of capacity next to the existing 18 MW facility.
- Increased generation capacity would help stabilize electricity rates for NWT residents and businesses.
- The project would provide partnership opportunities for Indigenous governments and job opportunities for Northerners.
- The 60 MW run-of-the-river expansion project would have no new flooding, minimizing environmental impacts.



CURRENT STATUS

- Approximately \$2 million in federal funding was secured in late 2018 to review and update past feasibility work, and support partnerships with Indigenous governments.
- The Government of Canada committed \$18 million over three years to the project in the 2019 federal budget (March).
- Work is underway to develop transmission and hydro plans, fulfill environmental responsibilities, engage stakeholders, and establish strong Indigenous partner relationships.
- Electricity markets and project timing are being defined with northern industry and southern stakeholders.

