

# KEEYASK PROJECT - July 2019 to December 2019



The 2019 construction season was a big year for the Keeyask Project. At the end of 2019, more than 98% of the total volume of concrete required for the project has been placed for a total volume of 328,000 m<sup>3</sup>.

By the end of 2019, approximately 90% of all earthworks has been completed including all of the permanent earth structures. These structures include the North Dyke, South Dyke, North Dam, Central Dam and South Dam. Cleaning of the Intake and Tailrace channels is ongoing in preparation for water-up in 2020.

In late 2019 Intake gate, guide and hoist installation was completed on all 7 units.

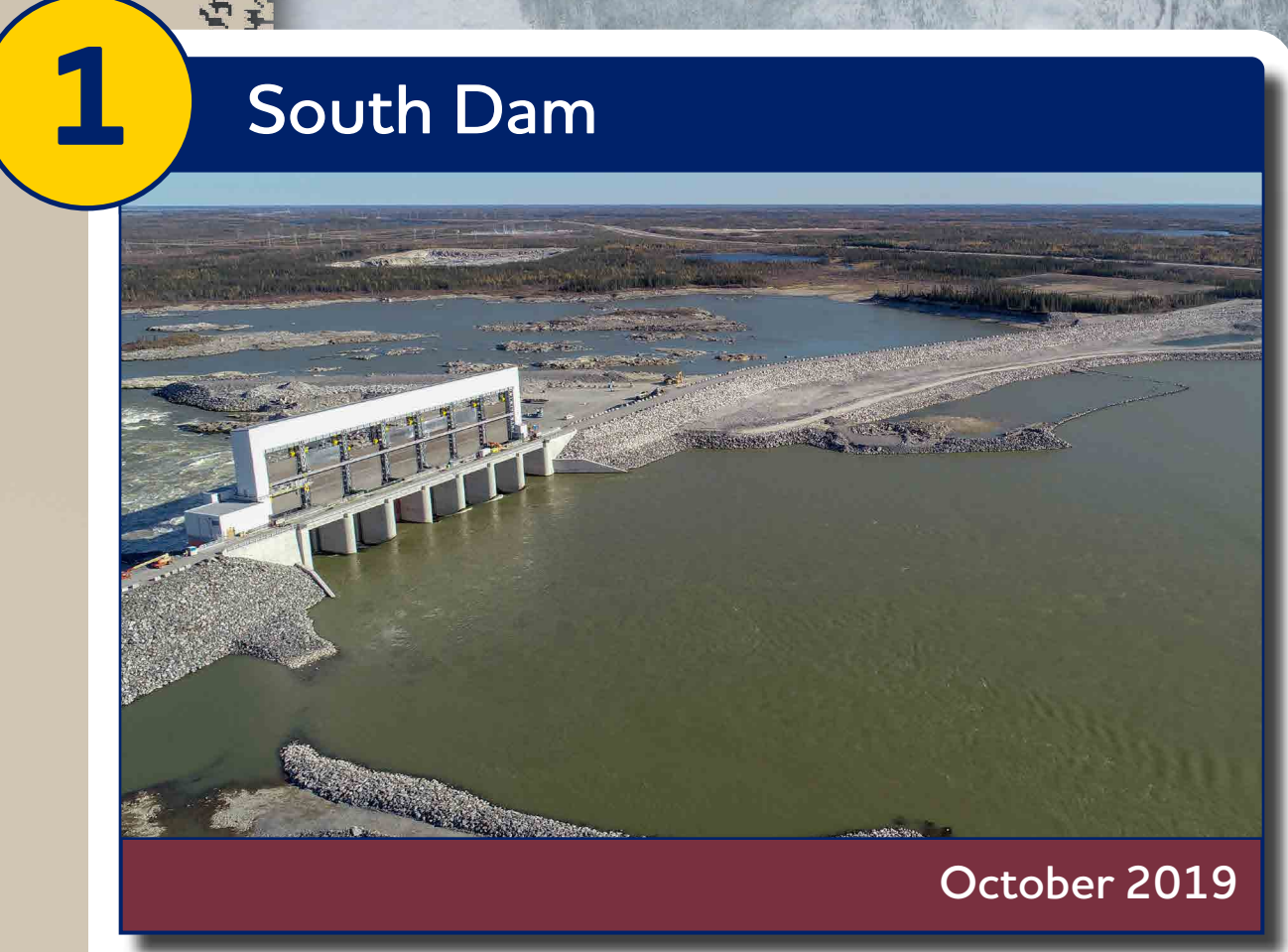
The Turbine & Generator (T&G) Contractor completed installation of the embedded components (draft tube liners and stay rings) on all 7 units and started the installation of the non-embedded components on 4 units. The Unit 1 tower assembly was lowered into place in October 2019 in preparation for installation of the rotor in early 2020.

Significant progress was made on the electrical and mechanical systems within the generating station. These supporting systems which are required to commission and operate the facility are referred to as the “balance of plant” systems and will continue to be installed over the next year.

In November 2019, key components of the Keeyask Transmission Project, including transmission lines KR2 & KR3, the Keeyask Switching Station, and the new bay at Radisson Converter Station, were energized marking the completion of one of the final steps prior to energizing Keeyask.

## Construction milestones:

- Intake and Tailrace concrete complete;
- Installation of the Intake gates, guides and hoists completed;
- All permanent earth structures complete;
- Installation of the embedded T&G components complete;
- Unit 1 tower assembly installed;
- The Keeyask transmission infrastructure was energized.



## - CONSTRUCTION TIMELINE DATES -

