

Chinook Power Station Project

WATER USE

OUR WATER PLAN

The Chinook Power Station will be a critical part of our power generating fleet. In order to deliver reliable power to customers, we require a dedicated water supply – the equivalent of what 60 average rural homes use per year – to our Chinook Power Station.

We worked with the Saskatchewan Water Security Agency (WSA), SaskWater Corporation and our engineering partner to determine the most reliable, sustainable and cost-effective water source for our Chinook Power Station project.

We concluded purchasing treated water from the City of Swift Current was the best choice because it's:

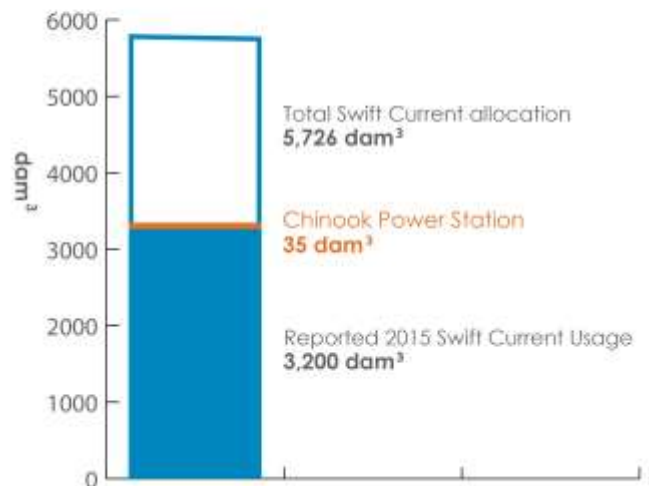
- reliable;
- minimizes waste water discharge;
- minimizes on-site water treatment facilities; and
- is cost-effective.

WSA has confirmed our water allocation request fits within the City of Swift Current's existing allocation and will not negatively affect the sustainability of local water resources.

HOW IS WATER USED?

The majority of the water will be used during our steam generating process. This process has strict water quality requirements. In fact, the treated water – pumped to the station – will be further demineralized before we use it. Using pre-treated water reduces on-site water treatment needs and the use of chemicals during normal operations.

The Chinook Power Station will require **35 dam³** of the water allocation provided to the City of Swift Current. A single irrigation pivot (1/4 section) requires **165 dam³**!

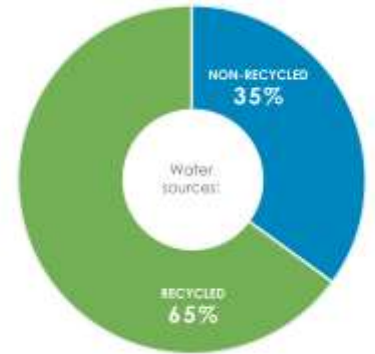


Our Chinook Power Station project will use approximately the same amount of water per year as 60 average rural homes use.

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We continually look for ways to reduce our environmental footprint. Approximately 65 per cent of the Chinook Power Station process water will be recycled. Once we've used the recycled water as much as we can, wastewater will be sent to the evaporation pond.



INFORMATION FOR EXISTING RURAL WATER USERS

A new, dedicated waterline will be constructed from the South Hill Reservoir in Swift Current to the Chinook Power Station. The existing rural water distribution system will not be utilized and therefore the Chinook Power Station will not increase demand on the existing distribution system.

We understand that water flow restrictors have been installed to ensure adequate water flow for all users and to ensure sustainability of the distribution system.

We've asked the City of Swift Current to look into whether our water line construction plans could support any rural system improvements. Unfortunately, no feasible options have been found.

FROM THE CITY OF SWIFT CURRENT

The City of Swift Current assumed all responsibility for the rural water pipelines in October 2016. It is the intention of the City of Swift Current to evaluate the current performance and future requirements of the rural water pipelines to ensure these systems perform as designed and provide adequate water supply for existing and future users.

For further information on the water distribution system, please contact the City of Swift Current

- eng@swiftcurrent.ca
- 306-778-2748

There's more to our story: saskpower.com/chinook

For additional information on the Chinook Power Station, please contact SaskPower's Stakeholder Engagement department:

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- 1-855-566-1008