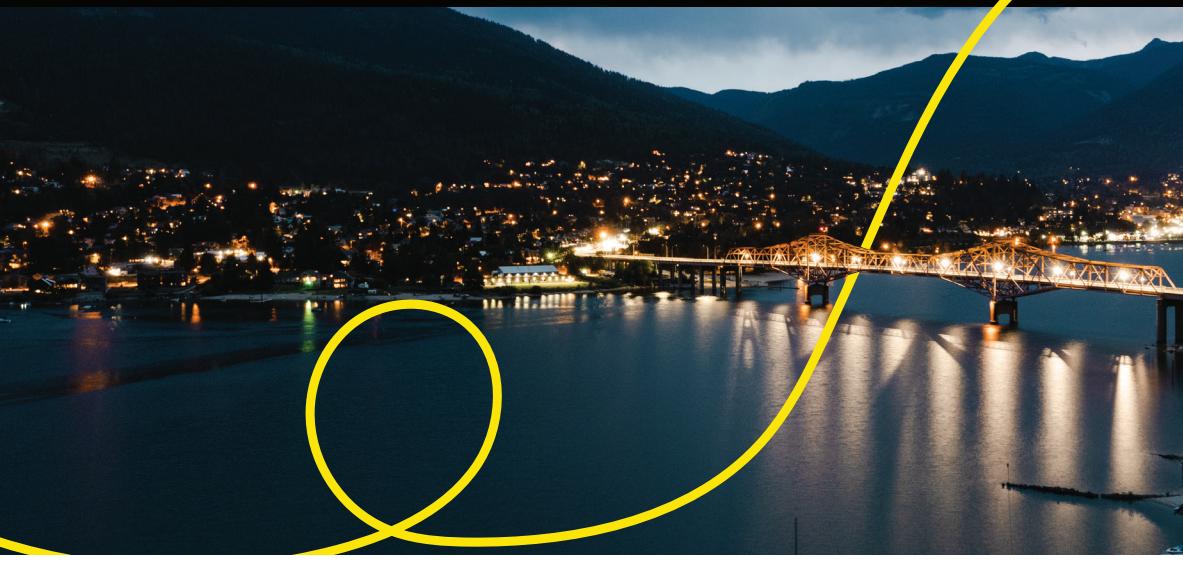




Newsletter

Issue 5 | Fall 2022



IN THIS ISSUE

Higher Power

A deep dive into the Kootenay River system

What's Happening

Projects in progress

Energy Saving Tips

Peak power demand

Voyent Alert!

Sign-up for Email Newsletter

Higher Power

How the region's wondrous mountain waterways bring light, heat and safe-keeping to every Nelson Hydro customer.

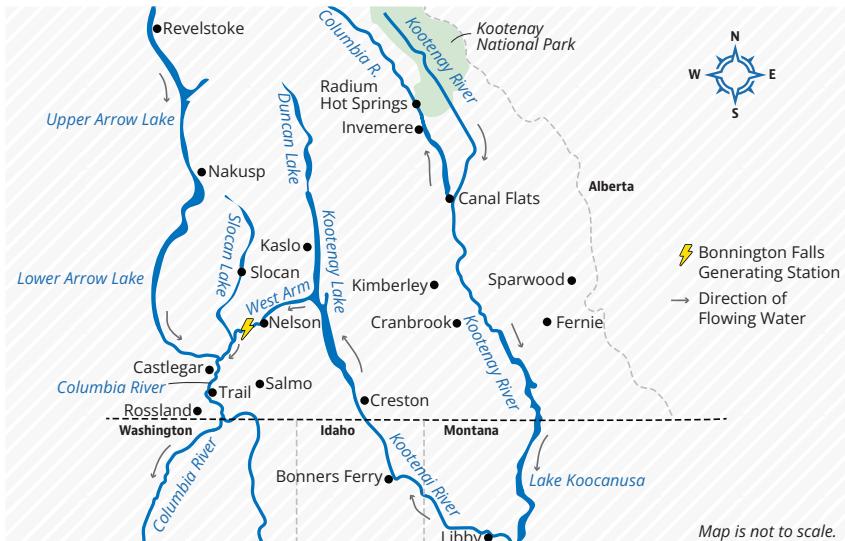
The Rockies, Purcells and Selkirks. The Kootenay, Duncan and Lardeau. For skiers, hikers and anglers, these natural monuments to the wilderness lifestyles we love are also the lifeblood of our communities and animal kingdoms that make Nelson home. But these peaks and waters also provide vital fresh-water fuel that powers the homes, businesses and historic industries of Nelson Hydro's over 11,000 customers.

It all starts in the colossal high country above us. And it ends with the flip of a tiny switch. Here's what happens in between.

The Kootenay River's origin is, as an osprey might fly, about 220 kilometres away to the northeast, and a little under 500 kilometres if that osprey happened to be in the car with you. The river, which begins in the Beaverfoot Range of Kootenay National Park, merges with three other rivers — the Vermillion, Palliser and White, before dropping into Canal Flats, in the East Kootenay. Interesting fact: It's there that the south-flowing Kootenay comes within about a soccer field's length of the north-flowing Columbia before the two legendary waterways meet again at their confluence in Castlegar.

From start to finish, the Kootenay flows 781 kilometres through the East Kootenay, to its southernmost tip in Libby, Montana before turning back north through Bonners Ferry, Idaho, taking in the waters of dozens of other tributaries, before emptying into the enormity of Kootenay Lake. The river changes directions, and names too. While we now spell it Kootenay here in Canada, it is referred to as Kootenai in the United States, and the Ktunaxa people originally called it aqkinmiluk, simply meaning "river".

The Kootenay's waters enter the West Arm, flowing past Nelson through to one of seven vital dams between Nelson and Castlegar — including the Upper Bonnington, home of Nelson Hydro's historic Bonnington Falls Generating Station.



NELSON HYDRO ON SOCIAL MEDIA

Nelson Hydro has launched new Facebook and Instagram accounts!

We encourage you to follow along to stay up to date on projects, initiatives, outages, stories, and more!

FOLLOW US!

[@nelsonbc.hydro](https://www.facebook.com/nelsonbc.hydro)
[@nelson.hydro](https://www.instagram.com/nelson.hydro)

What's Happening

Capital Projects — here is what Nelson Hydro has been working on.

MILL STREET SUBSTATION UPGRADE

Quick Stats

- ⚡ Project dates: 2022–2024
- ⚡ Project budget: \$4.5 million

Reasons for Project

In July 2021 transformer T41 failed and was subsequently deemed uneconomical to repair. This moved up the planned upgrade of the Mill St Substation, which is at end of its life, by one year.



Process

The majority of the construction work will be completed by contractors. Nelson Hydro is working with an engineering firm to design the new substation and plan the transition from the old equipment to the new without interrupting power to its customers.

G5 TURBINE OVERHAUL

Quick Stats

- ⚡ Project dates: September–December 2022
- ⚡ Project budget: \$600k

Reasons for Project

Our G5 Turbine has been in continuous service since 1995. This is the first major overhaul of its critical components since installation.



Process

Three millwrights will disassemble, refurbish or replace all components, re-assemble and re-commission the turbine and associated parts.

Energy Saving Tips



SEAL YOUR HOME

Preventing air leaks is one of the best ways to keep warm air out and cool air in. Simple caulking and weather-stripping can save up to 30 percent on heating and cooling costs. Sealing your home against these leaks is easy, effective, and relatively inexpensive.

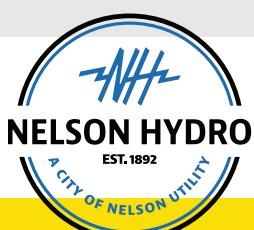
PEAK POWER DEMAND

Did you know peak power draw for Nelson Hydro customers is between 5:00pm–7:00pm?

Reducing our electrical consumption between peak hours will ultimately save all customers money by reducing the peak demand fees charged by FortisBC, our wholesale power supplier.

ECOSAVE

Interested in saving energy and money in your home? The Regional Energy Efficiency Program can help you find rebates, get a home energy evaluation, and figure out your next steps. Learn more at: nelson.ca/EcoSave



Want to receive these newsletters in your email inbox in the future? We're transitioning to e-newsletters. Scan the QR code or visit nelson.ca/hydronewsletter to sign up.



nelson.ca/hydro

Online Account Portal

SIGN UP TODAY!

You can now pay your hydro bills online through the online account portal.

nelson.ca/hydrobill

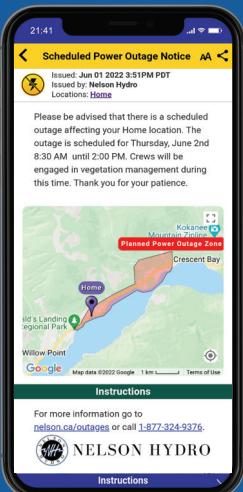
VOYENT ALERT!

Nelson Hydro is pleased to announce the launch the new Voyent Alert! notification service to communicate important information to our customers such as planned power outages.

Get the Voyent Alert app at the App store or Google Play.

For email, sms or phone registration get started here: nelson.ca/em_info

For more information please visit: voyent-alert.com/ca/community



CONTACT US

- Email Us nelsonhydro@nelson.ca
- General Inquiries 250-352-8240
- Account Inquiries 250-352-8206