

2016 Timeline

JANUARY onwards

- Tunnelling work continues at Boulder Creek and Upper Lillooet River portals
- Boulder Creek powerhouse mechanical and electrical installation

APRIL

- Recommence civil construction at Upper Lillooet River powerhouse and intake
- Start Upper Lillooet powerhouse mechanical and electrical installation, manifold completion by summer
- Recommence transmission line construction

MAY

- Recommence civil construction at Boulder Creek intake
- Start penstock crossing of Truckwash Creek

JULY

- Transformer deliveries for both facilities
- Penstock completed

AUGUST-SEPTEMBER

- Construction of the Alena Creek Fish Habitat Enhancement Project

OCTOBER

- Completion of ULHP transmission line

LATE FALL

- Upper Lillooet River and Boulder Creek diversion flips to their original channels

Titanium stretcher donation

Innergex has made a donation to Pemberton Search and Rescue to purchase a new light-weight titanium stretcher. "The thing is great! Makes a big difference in a carry," said Search and Rescue Manager Dave Steers.



LTMP *Continued from Page 1*

our operating hydroelectric facilities in the Fraser Valley Regional District, known as the Harrison Hydro Project (HHLP), located near the northern ends of Harrison Lake and Stave Lake. Currently, we are finalizing the reports of the results of the long-term monitoring programs at our Fitzsimmons, Rutherford and Ashlu hydroelectric facilities (all in the Sea-to-Sky region).

For hydroelectric facilities, the monitoring program typically focuses on fish, water (chemistry and temperature), aquatic insects, wildlife, and vegetation. The results of the HHLP long-term monitoring program are significant for Innergex, because they clearly demonstrate that operation of the six hydro facilities have not had a negative impact on any of the environmental values studied. In fact, the studies show that

fish density in the diversion reaches (the section of river between the headpond and the powerhouse from which water is temporarily diverted for electricity generation) is either similar, or in many cases, greater than before the facilities began to operate. Cases where fish density increased in the diversion reach are thought to be a result of more stable, slower water flows and lower water levels during some parts of the year.

The results of the mandatory studies, conducted by independent third-party consultants (primarily Ecofish Research Ltd.), are significant for the entire small hydro industry because they indicate that run-of-river facilities can be operated without harmful effects on fish and fish habitat. The monitoring results will contribute new data to a relatively sparse scientific understanding of aquatic biological effects of temporary water withdrawals from steep, cold,

mountain streams. Due to the similarity of the facilities and the type of streams, we expect the results of the long-term monitoring programs currently underway at other Innergex sites to be similar to the findings for the Harrison Hydro Projects.

Innergex is very proud of the results of our comprehensive monitoring program; they support the idea that run-of-river hydroelectric facilities can generate clean electricity without negative effects on fish and fish habitat. The long-term monitoring programs also demonstrate that economic activity that respects the environment is possible—we are doing it. Once construction is complete, the ULHP will undergo a similar comprehensive, multidisciplinary monitoring program, and we look forward to sharing the results. If you are interested in learning more about the program and viewing some of the final reports, feel free to stop by our office in Pemberton.



↑ Innergex's Liz Scroggins presenting a cheque to the Pemberton Firefighter's Association

Innergex Supports Pemberton Firefighters Cold Smoke Training Building

The Pemberton Firefighters Association (PFA) is a volunteer-run organization that provides fire protection to the Village of Pemberton, SLRD Area C and surrounding rural areas between the Pemberton Meadows, Mount Currie and Highway 99 south to Wedgewood Estates. The PFA covers an area of approximately 500 km² and responds to up to 250 calls per year. For more than six months now, the PFA has been raising funds for a new, two-storey 1,600 square foot smoke training building that will allow for a variety of training including fire suppression, ventilation techniques, rapid intervention, self-rescue training, and forcible entry. This new training facility will be able to assist neighboring communities train their volunteer firefighting crews as well, since the closest two-story facility is located in Squamish. The PFA secured donations from both Innergex and the Rotary Club of Pemberton that will cover the majority of costs for materials. This amazing crew of volunteer firefighters are talented builders and carpenters who will also be constructing the facility. Innergex believes that the work the PFA does is invaluable to the community and we are extremely proud to support a dedicated group of people who are so committed to helping their neighbours in times of need. We can't wait to see the new facility later this year.

Keep up to date on what's going on!

Interested in receiving regular updates on the project, including construction highlights, road closures, and events? Send us an email at: info@upperlillooethydro.com and we'll add you to our mailing list.

Don't forget to check our website regularly for updates:

www.upperlillooethydro.com/construction

2015 Sponsorships: Another busy year!

This past year, Innergex has once again proudly supported many local community groups and service organizations in and around Pemberton/Mt. Currie. Since 2010, we have been sponsoring popular community events such as: Winterfest, Lillooet Lake Rodeo, the Rotary /Chamber and Pemberton Health Care Golf Tournaments and, the Lion's Club Show and Shine events. Each year, we look forward to showing our support and are proud to support the volunteers that organize these impressive events.

In 2015, we contributed funds to a variety of amateur sports which support physical activity and healthy initiatives. Innergex donated funds to *Pemberton Secondary Schools* boys and girls basketball and soccer teams, who qualified for Provincial Championships this past year. We also sponsored youth soccer, ladies barrel racing, men's hockey, an annual karate tournament, and **Riverlands' Annual Fall Drag Fox Hunt**.

This year, we were very pleased to sponsor the first-ever **Pemberton Adaptive Paddling Program** run by *Whistler Adaptive Sports Program*. This program is the first time disabled athletes in Pemberton were able to experience an organized adaptive program at home instead of travelling to Whistler.

The **Pemberton BMX Society** underwent a large track upgrade this spring and Innergex donated funds to assist in the upgrade and became the sponsor of the "Innergex Race Shack" for 2015. The BMX Society is volunteer-run with over 200 members that compete at the track every night from May to October.

Similar to last year, in June we sponsored the **Sustainability in Action Award** at the fourth annual Whistler Excellence Awards ceremony and dinner. This award celebrates a Whistler business that has made a substantial and positive impact through incorporating sustainability in their business. Innergex was asked by the *Whistler Centre for Sustainability* to sponsor the award, which we co-presented to the award winner, Whistler Conference Centre.

This fall, we were happy to continue supporting *Stewardship Pemberton* with their innovative **Crabapple Tree Project**. We also helped to support the popular **River's Day** celebration organized by Stewardship Pemberton at their Nature Centre on September 27, 2015.

We ended the year by donating funds to both the Lil'wat Christmas Bureau and the Pemberton Food Bank to support their much needed Christmas Hamper Program.

We started off 2016 with a splash—literally! Innergex continued the tradition of participating as the Gold Sponsor for the **2016 Winterfest Polar Bear Plunge**. After an icy dip in One Mile Lake, we invited all participants into our heated tent for a warm cup of hot chocolate.

If you have an exciting community-based project in the works, please stop by our Pemberton office to discuss the possibility of sponsorship. Our priority sectors for sponsorship are:

- Environment and sustainable development
- Autonomy and economic development of local communities and First Nations
- Socio-community projects
- Amateur sports, physical activity and health
- Education and entrepreneurship

THE CURRENT

ISSUE SIX • SPRING 2016



Welcome to THE **CURRENT**'s first issue of 2016! In this issue of the community newsletter for our Upper Lillooet Hydro Project (ULHP), we are pleased to share some highlights from 2015, both on the construction site and in the community. The annual winter shut down of the construction site started on December 18, with a small crew left behind to maintain the camp and roads. Construction resumed in early January at all tunnels and the Boulder Creek powerhouse. We have had an extremely productive 2015, including meeting major milestones such as: the completion of the Boulder Creek facility's powerhouse, completing the diversion at the Boulder Creek intake and collaborating with community partners on initiatives such as helping fund the Pemberton Firefighters Association new training building (see page 4).

Also in this issue, we share some exciting news with you that not only touches Innergex, but possibly the entire renewable energy industry. We have recently completed a long-term environmental monitoring program at some of our run-of-river facilities, and the results conclude that these operating facilities do not have a negative impact on fish populations and fish habitat. In fact, the independent studies show that in some cases, we are witnessing an increase in fish populations. In other environmental news at the ULHP, we follow up with some positive results of the mountain goat monitoring program (see page 3), which we introduced in our very first issue.

With all of this good news to share with Pemberton and area residents, we can't help but feel optimistic for the year ahead—one that will see us meet more construction milestones safely and in a socially and environmentally conscious manner.

ABOUT INNERGEX

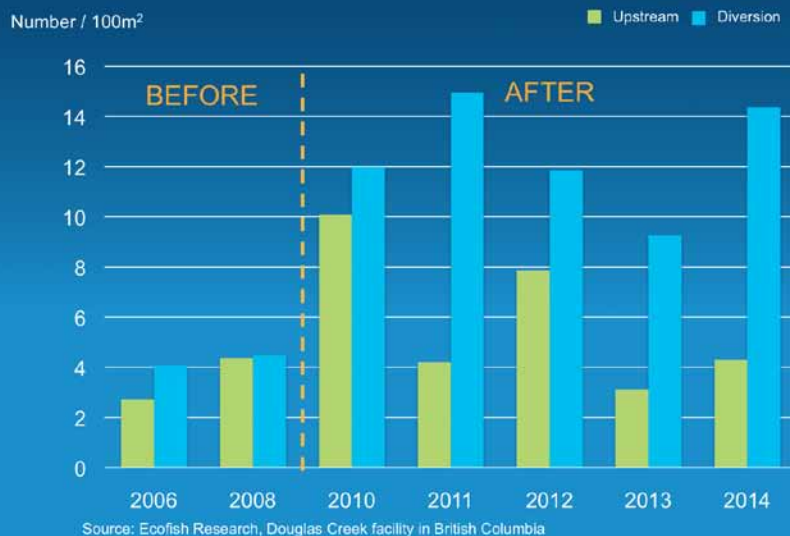
Innergex develops only renewable energy projects because we believe that the way to a cleaner future is through truly sustainable energy sources. We began developing, owning, and operating run-of-river hydroelectric facilities, wind farms, and solar photovoltaic farms in 1990. Today, we operate facilities in Québec, Ontario, British Columbia and Idaho, USA. From the very beginning, our mission has been to produce clean and renewable energy by developing and operating high quality facilities while respecting the environment and balancing the best interests of the host communities, our partners, and our investors. For more info please visit www.innergex.com.

Long Term Monitoring at Innergex Facilities

As we move closer towards the final phases of construction of the ULHP, the project team is starting to plan for long-term environmental monitoring of the facilities. For Innergex, keeping our environmental commitments involves comprehensive monitoring and reporting to confirm that any effects of our operating projects are in line with expectations when the project was first approved by government. By tracking and measuring our performance after construction is complete, we are able to refine our approach to monitoring and contribute to development of best practices in our industry. All of Innergex's facilities built within the last decade have implemented this type of comprehensive monitoring program. In 2014, we concluded a five-year monitoring program for six of

...continued on Page 2

FISH THRIVE NEAR RUN-OF-RIVER HYDRO



↑ Results of long-term monitoring program show an increase in fish population at Douglas Creek, one of our HHLF facilities.

2015 Construction Summary

Upper Lillooet River Hydroelectric Facility



↑ Upper Lillooet River penstock construction now 80% completed



↑ Upper Lillooet River intake construction



Upper Lillooet River powerhouse roof and cladding near completion →



↑ Upper Lillooet River powerhouse structure as of October 2015



Transmission Line

← View of transmission line looking west along the south side of the Lillooet River



↑ Boulder Creek powerhouse structure completed in Fall 2015

Boulder Creek Hydroelectric Facility

Boulder Creek generators installed →



↑ Boulder Creek intake diversion completed

Mountain Goat Monitoring

In our very first issue, we introduced our plans to protect mountain goats (listed as a priority species by the provincial government) and their critical habitats in the ULHP area during construction. As part of the requirements for the Environmental Assessment Certificate, a comprehensive Mountain Goat Management Plan was put into place to outline mitigation and best management practices required to avoid or minimize the potential effects from construction activities. We are now able to share some positive findings with you based on the IEM's diligent monitoring over the past two and a half years.

Methods

The Independent Environmental Monitor (IEM) has been monitoring mountain goat activity from three strategic observation locations and five track survey locations within 500 meters of clearing/ construction activities at the Upper Lillooet River Hydroelectric Facility (HEF) downstream tunnel portal during the critical winter (November 1- April 30) and kidding periods (May 1 – June 15). The IEM records and submits all sightings to the project team and the Ministry of Forests, Lands, and Natural Resource Operations within 48 hours of each survey. The primary objective of daily monitoring is to ensure we can temporarily stop construction if goats are observed within a 500 meter line of sight of a construction activity, and/or if they are moving towards the migration corridor. In addition to the surveys, there is also a noise monitoring program in place, which monitors for noise above an established threshold of 75 dBA; anything above this threshold requires us to implement noise reduction methods (such as blasting mats, delay of charge, etc.) to prevent disturbance to nearby mountain goats in sensitive areas and during critical periods. Construction-related noise levels remained below thresholds levels (75 dBA) for the vast majority of the noise monitoring period, with the exception of isolated events that varied between 2-17 seconds.



↑ Goat monitors Danita Abraham and Anne Sutherland

Q & A WITH A GOAT MONITOR

We asked one of the goat monitors at ULHP, Danita Abraham (pictured above) to tell us a bit about this unique job:

Q: What is the best part of the job?

A: I really enjoy learning about the goats and being outdoors. I love it up here. I'm grateful for the opportunity and experience.

Q: What is the most challenging aspect of the job?



Findings

Data collected through the monitoring provides evidence that mountain goats are continuing to use their normal winter ranges, both the higher elevations and the lower elevations near Keyhole Falls and within the vicinity of the Upper Lillooet River HEF downstream tunnel portal, during construction. In fact, mating was observed in early December 2014 within the Keyhole Falls ungulate winter range (UWR) while construction activities occurred nearby. Mountain goats also continued to use the UWR for kidding during construction (based on observations of young of the year in the late spring and fall of 2014 and 2015). Another positive finding was that roughly the same number of mountain goats were observed in the Keyhole Falls UWR in the fall of 2015 as in the fall of 2013 and 2014—indicating that construction activities at the downstream tunnel portal are not alienating mountain goats from migrating to and from this area.

Lastly, based on visual observations from the daily monitoring program, blasting and construction noise did not appear to impact the goats using their winter ranges. Overall, all of these observations tell us that when construction activities are done in compliance with required mitigation measures, they do not prevent mountain goats from accessing and using their winter ranges. Monitoring and mitigation measures will continue until construction has been completed.



A: Monitoring occurs no matter the weather – rain, snow, heat (unless it is unsafe). Right now, we are snowshoeing into the monitoring sites, but it's getting easier.

Q: What are some of the most interesting things you've seen while on the job?

A: There have been a few memorable moments. Once, we witnessed around 20 or more goats gathered at Sala! Another time, I saw a mama grizzly and two cubs feeding on an ungulate carcass at the base of Keyhole Falls. That was amazing.