



## INFORMATIONAL NEWSLETTER – JULY 2017 Peachland's New Water Treatment Plant

### QUICK NOTE FROM THE MAYOR

We have some good news for the community of Peachland. By March 2020, annual boil water advisories will be a thing of the past with a new Water Treatment Plant that will service the residents of Peachland. You asked for it through community surveys and engagement activities when we updated our Official Community Plan, and we've been planning for it for many years through infrastructure upgrades and financial planning. This is a huge milestone for the community and we are proud to improve our delivery of water services to residents and visitors alike.

This newsletter and the subsequent newsletter in October that will arrive with your utility bill will outline the nuts and bolts of the new Water Treatment Facility, including the funding.

If you have any questions, please don't hesitate to call the District at 250.767.2647.

Mayor Cindy Fortin  
District of Peachland

### The Nuts and Bolts of Peachland's New Water Treatment Plant

- Safe, reliable, affordable water supply for the community of Peachland will eliminate the need for seasonal boil water advisories.
- Peachland needs a Water Treatment Plant to meet the provisions of the provincial *Drinking Water Treatment Objectives for Surface Water Supplies in BC*.
- The construction of the Peachland Water Treatment Plant will allow the District to continue to move forward with improving service levels by providing safe, reliable, and clean drinking water to the community.
- Engineering design is underway and the Plant is slated to be constructed by March 2020.
- The District and Peachland residents have been planning for the Water Treatment Plant for over 10 years.
- Water will be taken from Peachland Lake and will undergo filtration and ultra-violet (UV) and chlorine disinfection.

### THE CURRENT SYSTEM

In the early 1980's, the District of Peachland acquired three Irrigation Districts – Peachland, Trepanier, and Ponderosa – which were originally built to service the tree fruit industry. Now, each water system services a different Peachland neighborhood where the Peachland Irrigation District uses Peachland Creek, the Trepanier Irrigation District utilizes Trepanier Creek, and the Ponderosa Irrigation District (formerly used wells) is now connected to the Peachland Creek water system.

All water supplies are currently treated with chlorine for disinfection only, which still results in high turbidity and annual boil water advisories during every spring freshet. Our community objective is to consolidate Peachland's current water distribution system and provide our residents with safe, clean water where regular boil water advisories will be a thing of the past.

### THE SOLUTION

The new Water Treatment Plant will provide safe water for the community, adequate pressures and fire flows, and will service the planned future growth areas of Ponderosa-Pincushion and New Monaco. The Trepanier Creek source will eventually be abandoned and the Okanagan Lake source will be retained for back-up supply. The new system will have the added component of filtration, which will remove turbidity in water and eliminate the need for residents to boil their water. Without filtration, microorganisms can use debris to hide from disinfection.

The current water distribution network will be modified to supply Peachland residents from a single filtered water source with provisions for emergency supply from Okanagan Lake.

#### ALTERNATIVE APPROVAL PROCESS FOR FINANCING



## A COMMUNITY PROJECT – THANK-YOU!

The delivery of safe, reliable water to Peachland residents was only made possible by you. The new Peachland Water Treatment Plant will be a true community effort that's been in the making for over 10 years. Thank-you for making Peachland safer, stronger, and more environmentally and economically resilient.

### Here's how you helped

- **Official Community Plan Engagement** – In 2016, we engaged with residents of Peachland as part of the Official Community Plan Update. A water treatment plant for improving water quality was a key theme that emerged from community surveys and engagement activities. Your input helped to support grant applications.
- **Water Parcel Tax** – Since 2007, residents have been paying a water parcel tax to fund a portion of the project.

### Here's how we planned ahead

- **2007 Water Master Plan** – To meet provincial drinking water objectives, a Water Master Plan was written in 2006 and approved in 2007. Recommendations were made to integrate the water systems and have one filtration plant. We've been planning ever since.
- **Infrastructure Updates** – A number of community infrastructure updates have been completed including: built gravity trunk (Turner to Gladstone), completion of the Downtown Interconnect and Ponderosa Interconnect, improvements to Peachland Lake

## WHY NOW?

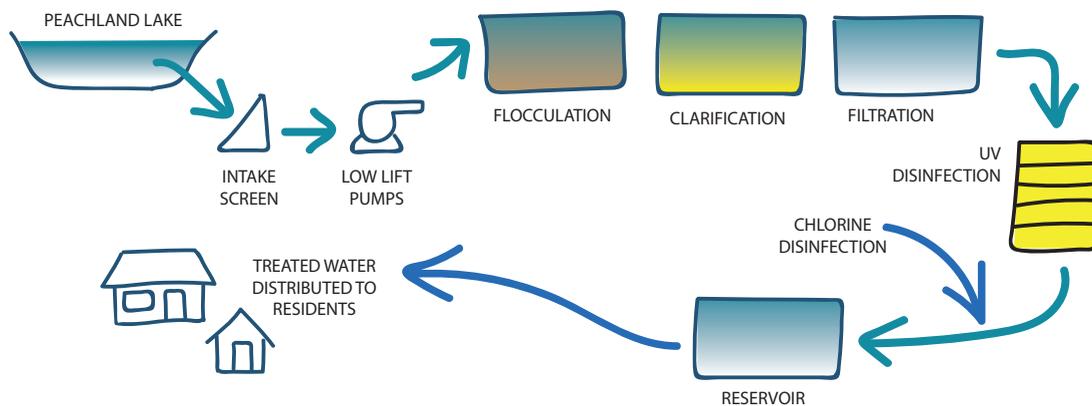
Earlier this year, Peachland successfully received senior government grant funding for the design and construction of a conventional Water Treatment Plant at the Peachland Creek Source. Once constructed, this system in combination with the Trepanier Interconnect, will deliver clean, safe, and reliable potable water to the residents of Peachland.

## WHY CAN'T WE TAKE WATER FROM OKANAGAN LAKE?

Much of Peachland is located on a hillside adjacent to the lake. It's not economically nor environmentally viable for water to be pumped uphill to serve all hillside residents. Instead, water is gravity-fed downhill as the Peachland Creek water source is located above the majority of Peachland residents.

The new Water Treatment Plant will give Peachland residents access to clean, safe drinking water.

## HOW WILL WATER BE TREATED?

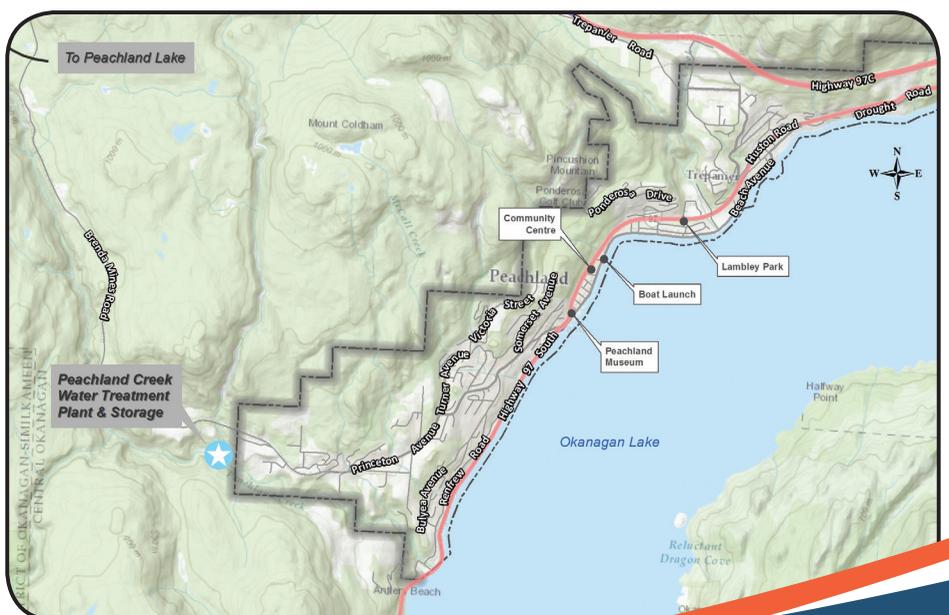


Water will be drawn from Peachland Lake and transmitted to the Water Treatment Plant site. Here, water will undergo flocculation, clarification, filtration, and UV and chlorine disinfection. The treated water will be transported to an on-site reservoir and then distributed to Peachland residents.

## WHERE WILL THE WATER TREATMENT PLANT BE LOCATED?

The Water Treatment Plant will be located at the current Peachland Creek water intake site, high in the hills off of Princeton Avenue.

**FOR MORE INFORMATION, CONTACT THE DISTRICT OF PEACHLAND AT 250.767.2647**



Your next utility bill in October will contain a 2nd newsletter on the Water Treatment Plant. There, we will dig further into the financials of the project and talk about the Alternative Approval Process.