



WYNNDEL IRRIGATION DISTRICT

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2023 Strategic Plan – Approved (Motion 09-2023)

1.0 Introduction

The 2023 Strategic Plan is a stepping forward point to creating a sustainable, manageable plan for action for Wynndel Irrigation District and its Community.

With the development of an Asset Management plan, fiscal priority can be given to critical components and best practices within the Wynndel Irrigation water supply and conveyance system.

2.0 History

Wynndel Irrigation District (WID) - Overview

Wynndel is an unincorporated community adjacent to Duck Creek, east of the Kootenay River, in the Central Kootenay region of southeastern British Columbia. The locality, on BC Highway 3A, is by road about 11 kilometres (7 mi) north of Creston and 128 kilometres (80 mi) southeast of Nelson.

Annual Water Consumption Information

(TBD)

Size and number of connections

The system services 337 active connections and provides hydrant firefighting connections for the area of Wynndel.

The system also provides water to over 62 users on the Creston Diking District water system on a per cubic meter basis.

Location

The system is located in the Wynndel district on Duck Creek Road in RDCK Electoral Area A.

Source

Wynndel Irrigation District's main source of water comes from Duck Creek which originates in the Purcell Mountain and is part of the utilities 5700 hectares watershed of which 690 hectares are owned by Wynndel Irrigation District. The elevation of the highest point of the water shed is approximately 2135 metres and drops to 725 metres at the intake.

Huggard Creek provides a secondary emergency source of water. Wynndel Irrigation District operates and maintains a hydro electric power generation station located on Huggard Creek which provided power for the reservoir and treatment facilities located at the north end of Duck Creek Road..

System history

The system was first developed in 1932

Storage

The WID constructed a closed concrete reservoir tank 2016-2017 with a capacity of 456,000 litres (120,462 US gallons)

Treatment

The treatment process includes screening for turbidity reduction, and chlorination disinfection of bacteria and viruses.

A System Control and Data Acquisition (SCADA) unit allows for remote plant monitoring and operation.

Distribution System

Wynndel Irrigation District maintains approximately 22.5 km of water mains, that range in size from 19mm to 350mm in a variety of materials such as ductile iron, PVC, asbestos cement, steel and drill pipe.

Fire-fighting

20 Fire Hydrants

Storage and pressure Wynndel Irrigation system meets standardized requirements for fire protection in most areas.

Water Quality Monitoring

Bacteriological sampling is performed on a weekly basis. A sample is collected and sent away to a certified laboratory for analysis of Total Coliform and Fecal Coliform.

Pressure Reducing Valves (PRVs)

There are five PRVs controlling pressure throughout the system.

Governance

This system is currently owned and operated by the Wynndel Irrigation District (WID).

An elected board of five Trustees provide policy and direction to part-time staff.

3.0 Vision, Mission and Values

3.1 Vision Statement

Empowering our community with water.

The Board's vision should provide a long-term picture of where or what the region wishes to be or become. The vision also indicates what makes the Irrigation District unique from other similar organizations.

3.2 Mission Statement

To Provide a secure, long-term water supply to the Community.

The Board's mission should answer a question about what business the Commission is in. It lets readers know what the Commission does and who benefits from the work of the Commission.

3.3 Core Values

Customer focus ... WID will focus on enhancing our level of service to our Customers.

Communication ... WID will endeavour to provide consistent communication options.

Continuous improvement ... WID will strive to improve using best practise as our fiscal strength allows.

Teamwork ... WID will embrace the strength of our community through openness in Team Work.

The values expressed here are the guiding principles that help determine how the Board will operate, both in public and privately.

4.0 Environmental Factors

4.1 Current Environment

Wynndel Irrigation District is navigating between providing safe drinking water, maintaining our decades old water transmission system and protecting our watershed. While in the business of producing and transmitting safe drinking water, Wynndel Irrigation District only controls a small portion of our Watershed. Maintaining and conveying safe drinking water is Wynndel Irrigation's primary responsibility.

Wynndel Irrigation as an Improvement District does not have the same resources available in terms of grant funding as do Regional Districts and Municipalities. Wynndel Irrigation relies on creating and maintaining partner relationships with organizations like to leverage communications and opportunities in protecting our watershed and also relies heavily on the Wynndel Community to reach out (advocate) to Government Ministries to champion watershed protection and preservation.

Current working environment and environmental issues facing the business today. Review of current business and political climate as it pertains to this business. Could discuss issues and trends affecting this business. E.g. population growth, growth in demand for services, new/changing government regulations, changes in funding picture.

4.2 Critical Issues facing the business today

Limited fiscal resources and personnel resources.

Cost of goods and services.

Provincial policy on logging in Watersheds on Private and Crown lease lands.

5.0 Key Strategic Direction starting 2023

5.1 Identifying previous approved capital projects (from past Board approvals) that did not emerge to completion due to pandemic, personnel resource and / or fiscal challenges and re-prioritize into an Asset management plan for 3, 5 and 10 year intervals. For example:

- True Consultant and Mould Engineering report recommendations.
- Pressure Reducer Value (PRV) relocation or construction and installing SCADA flow meters.
- Leak detection the first step in pipeline infrastructure assessment and replacement.
- Revenue expansion opportunities.

5.2 Creation of Policies and Procedures that ensure best practises and continuity for employees and governance.

5.3 The Board will be committed to supporting Wynndel Irrigation staff to achieve key strategic direction outcomes.

6.0 Plan Review and Management

Business cases can be developed for Capital Projects to determine resources and allow for prioritization and capitalization.

It is Policy adopted for 2023 that a Budget be approved within the first quarter each year to validate fiscal spending and reserves performance.

Budget performance will be reviewed monthly and measured in December of each year to determine allocation to the following year's budget.

Capital spending projections through Asset Management Assessment will be reviewed as updated every second and third quarter.

There should be an indication of the specified review period for the plan, such as quarterly, at mid-year, or annually. This focuses attention on fine-tuning, and reacting to new variables. The entire plan need not be modified in most cases, but may require adjustment in some areas.

7.0 Strategic Plan Yearly Review

The Strategic Plan will be reviewed and debated each November by the Board of Trustees to be ratified in January of the following year.

Wynndel Irrigation District Board of Trustees