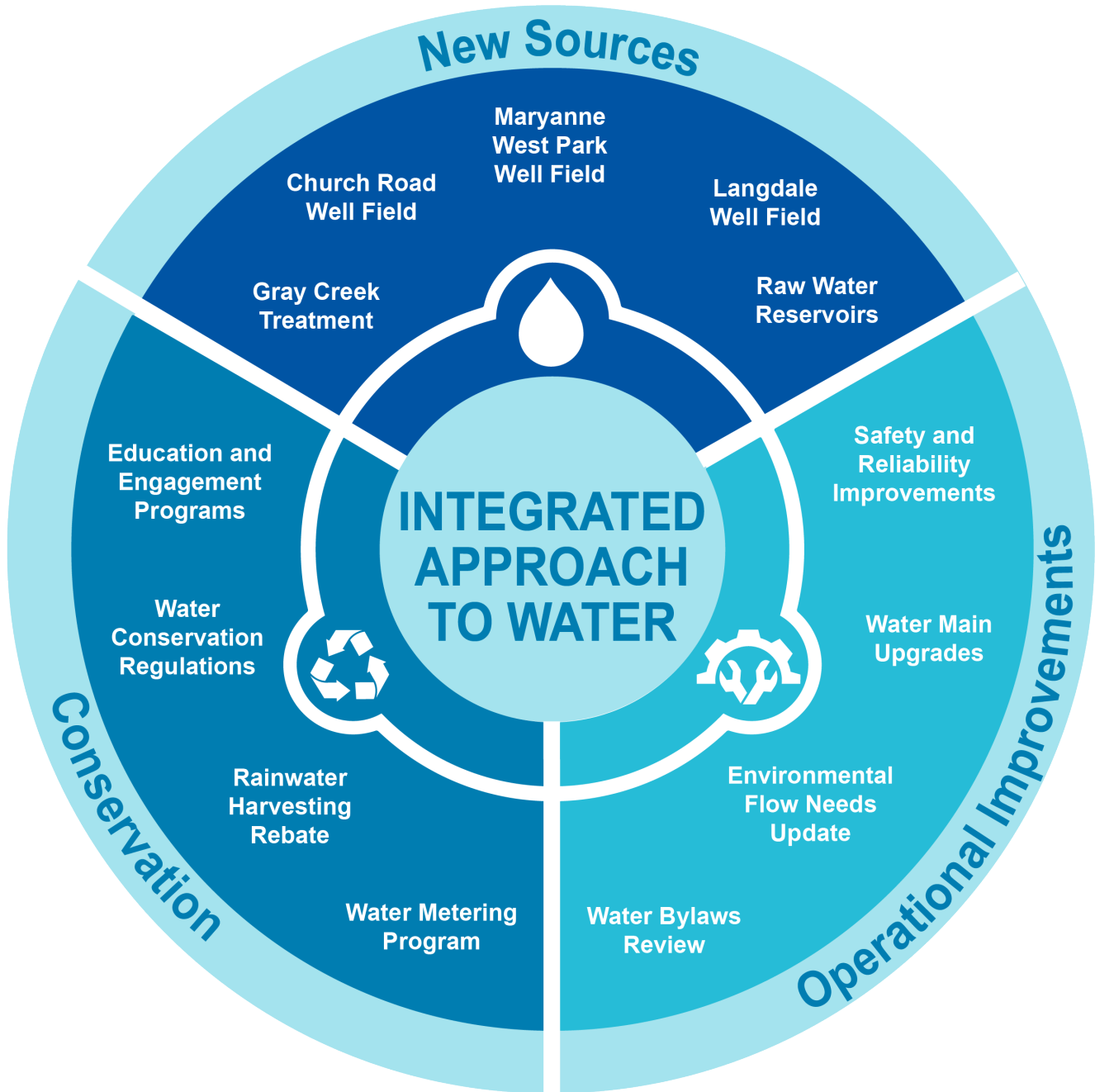




The Sunshine Coast Regional District is working to ensure a safe and sustainable water supply, now and in the future.

Our water planning strategy uses multiple approaches. It includes expanding new sources and conservation programs, and optimizing the way we manage our water supply.



To learn more, visit:
www.scrd.ca/water

NEW SOURCES

GRAY CREEK TREATMENT

After two rounds of exploratory drilling for groundwater near Gray Creek, it was determined that upgrading the treatment systems for the existing surface water infrastructure was a better option. Treating surface water will ensure Gray Creek can be used throughout the summer. Initial design work and watershed modelling will begin in 2021, with potential project completion by 2025.

CHURCH ROAD WELL FIELD

The Church Road well field in Granthams Landing consists of two production wells to recover drinking water, and one monitoring well to measure aquifer sustainability. The well field will provide water to the Granthams, Soames and Chapman water systems. Once the water licence is obtained, construction of the pump station, treatment plant, water mains, and an additional monitoring well can begin, with anticipated completion in 2022.

www.scrd.ca/church-road-well

LANGDALE WELL FIELD

In Langdale, there is currently one refurbished well, and in 2020, the potential to pump up more groundwater in a sustainable manner was identified. In 2021, the SCRDR will drill two additional production wells, complete the engineering design to connect the Langdale and Chapman water systems and submit a water licence application. Project completion could be as soon as 2024.

www.scrd.ca/ground-water-investigation.

MARYANNE WEST PARK WELL FIELD

A 2020 test well at Maryanne West Park indicated it is a suitable site for a well field. This aquifer in this area is currently being used by the SCRDR on Chaster well and Church Road well field, and also by the Town of Gibsons' wells. Further monitoring will determine whether a new well field at this site can be developed in a sustainable manner.

RAW WATER RESERVOIRS

Raw water reservoirs allow the SCRDR to store water when it rains for use during periods of drought. The SCRDR identified a preferred site for a raw water reservoir through a feasibility study of the entire Chapman watershed. Geotechnical drilling in 2021 will support the reservoir design and updated project cost estimates. The excavated material may have potential resale value. www.scrd.ca/reservoir.

OPERATIONAL IMPROVEMENTS

WATER BYLAWS REVIEW

The Water Rates and Regulations Bylaw is scheduled for review as it is outdated. The proposed bylaw amendments will aim to reduce the impacts on water demand from new developments and promote conservation and will be presented to the public for input.

ENVIRONMENTAL FLOW NEEDS UPDATE

Chapman Creek Environmental Flow Needs protects the ecosystem. In the summer, the SCRDR releases water from Chapman and Edwards Lakes to ensure Chapman Creek flows beyond a minimum rate. A study is underway to determine if reduced creek flow can sustain the natural ecosystem.

WATER MAIN UPGRADES

Each year, the SCRDR plans, designs and constructs water mains. These projects replace old and undersized water mains and increase efficiency. The project goals are to improve water quality and access to water for fire protection, and reduce the risk of leaks.

SAFETY AND RELIABILITY IMPROVEMENTS

Continuous water system improvements include dam safety and communication upgrades, replacing gaseous chlorine treatment with safer and simpler salt-based treatment, and implementing new tools for identifying water main leaks to enhance existing monitoring.

CONSERVATION

EDUCATION AND ENGAGEMENT PROGRAMS

Throughout the year, the SCRDR carries out education and engagement programs about water conservation. In 2021, this includes several "Let's Talk Water" public engagement events and educational video series, the "Pledge to Reduce Your Use" campaign for the accommodation sector, and resources like the "Water-wise Plant Guide".

WATER CONSERVATION REGULATIONS

Water conservation regulations are part of the SCRDR's Drought Response Plan. They are the primary tool for minimizing impacts to our water supply caused by summer drought. The regulations prioritize water for human health, fire protection, and Environmental Flow Needs.

www.scrd.ca/sprinkling-regulations.

RAINWATER HARVESTING REBATE

The SCRDR offers rebates to SCRDR water users installing rainwater harvesting systems. Two rebates are available for 4,500 litres (\$500) or for 9,000 litres (\$1,000) of storage capacity. Pre-application is required. www.scrd.ca/rainwater

WATER METERING PROGRAM

Water metering promotes water conservation, helps with early leak detection, can offset new infrastructure costs, and offers opportunities for fairer billing. Properties with water meters can access their monthly water use data through the SCRDR's online portal. Water meters have been installed on all properties serviced by the SCRDR, with the exception of most properties in the Sechelt area where installations are scheduled to begin in 2022. www.scrd.ca/water-metering