

A scenic view of a park with a pond, trees, and a lake in the background. The pond in the foreground reflects the sky and the surrounding greenery. In the middle ground, a paved path runs along the edge of the pond, with several people walking. The background features a large body of water, a bridge, and distant mountains under a clear blue sky with scattered clouds.

Kelowna's Water Utility

June 15, 2020

*We are fortunate to
share this precious
water source*



*Just like the health of our community
our water source must be viewed
an integral part of our system and life*

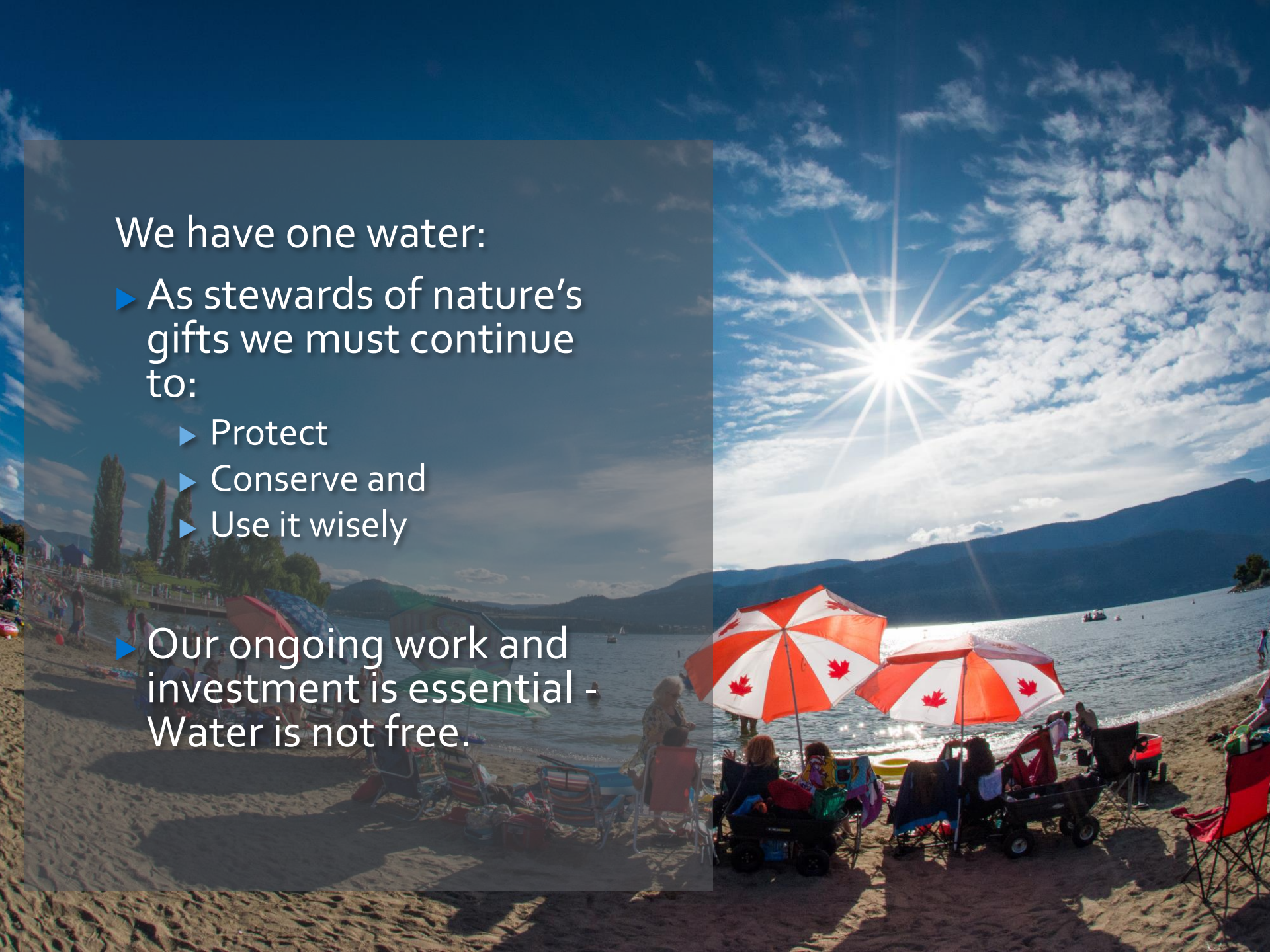


We have one water:

▶ As stewards of nature's gifts we must continue to:

- ▶ Protect
- ▶ Conserve and
- ▶ Use it wisely

▶ Our ongoing work and investment is essential -
Water is not free.





City of
Kelowna

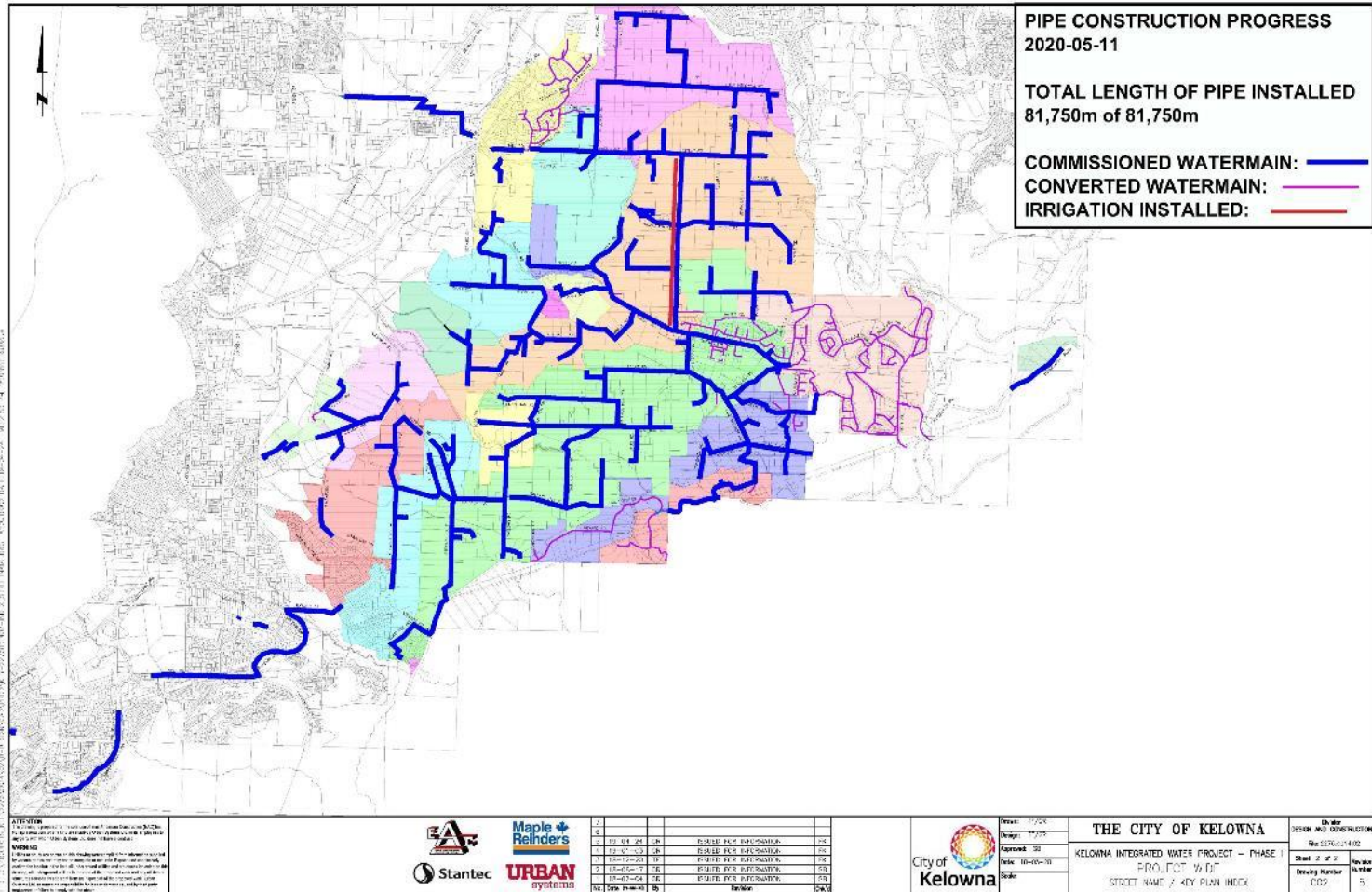
Water Utility 2020



2019-2020 Activities

- ▶ Water Integration
- ▶ Area Based Water Management
- ▶ Water Supply System and Operation
- ▶ Water Meter Replacement Program

Water Integration Project



Water Integration Project

- ▶ SEKID Dissolution June 4, 2018
- ▶ System Changes (\$98M: Phase 1 & 2)
 - ▶ Almost 82 km of pipe, 12 new PRV stations, New Storage Reservoirs and Pump Upgrades
 - ▶ 13 dams and upland storage
 - ▶ 6750 people served
 - ▶ 500 Agricultural customers
- ▶ Phase 2 will extend water transmission capabilities and provide interconnectivity



- ▶ Substantial bylaw work is taking place in 2020
 - ▶ Irrigation rate structure
 - ▶ Irrigation rate policy

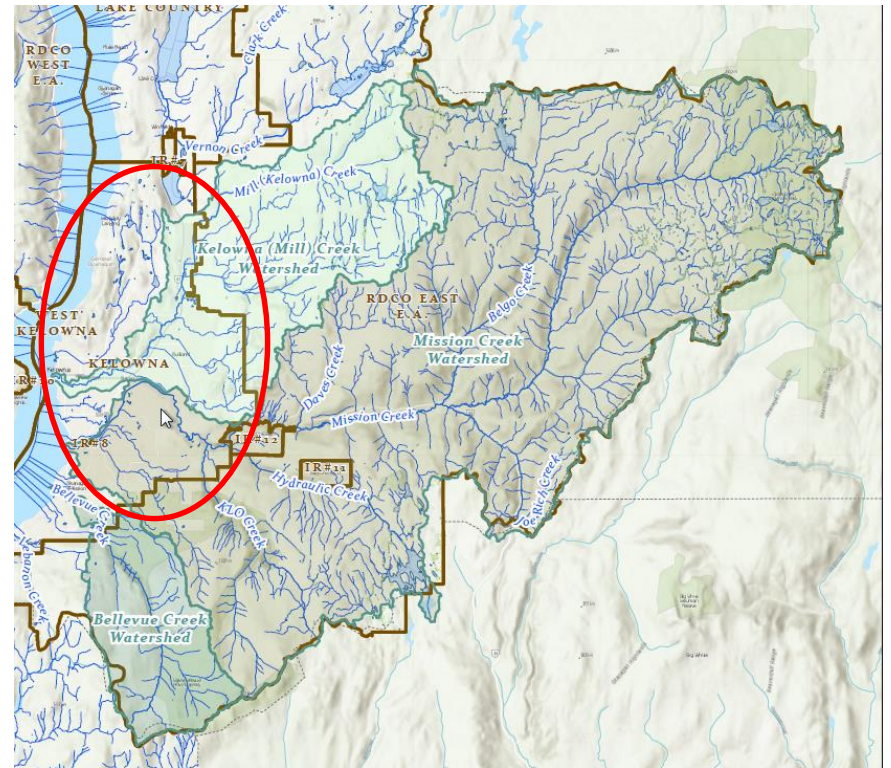
SOMID Work:

- ▶ In the final stages of Facility decommissioning



Area Based Water Management

- ▶ Collaborative approach to manage water resources
- ▶ Key external partners include: RDCO, OBWB and Province.
- ▶ a risk registry is being developed to improve water management in the region



System Renewal and Enhancement

- ▶ Pumping Stations
- ▶ Ultraviolet Light Disinfection reliability
- ▶ Operational Improvements
- ▶ Irrigation System Improvements

Water Supply & Distribution System

- 5 Pumping Stations
- 19 Booster Pumping Stations
- 3 UV Disinfection Systems
- # Chlorination Systems
- 26 Reservoirs
- 48 PRV Stations
- Irrigation Supply System
 - Watershed, Dams,
 - Reservoirs
 - Irrigation network
- 429 km of watermains
- 2231 Fire Hydrants
- 3600 Valves
- 19,100 Services
- Additional SEKID assets
 - 200 km watermains
 - 200 Blow offs and valves
 - 231 Fire Hydrants

Water Meter Program

- ▶ 17,000 water meters increasing to ~20,000 (2020)
- ▶ Over half >20 years old
- ▶ Transition to enhanced technology
 - ▶ Increased reliability, efficiency
 - ▶ Significant increase to customer service
- ▶ 2020 Start replacement and all SEKID
- ▶ There is opportunity in SEKID with service connections and leaks

Meters - Customer Benefits

- ▶ Leak detection
- ▶ Customer monitoring ability
 - ▶ understand water use and conserve





Questions?

For more information, visit kelowna.ca.