

GOALS:

1. Protection of groundwater
2. Protection and conservation of water resources
3. Consideration of the true value of water

**CONTEXT**

With an arid climate, large agricultural sector, and significant growth in tourism and local population, ensuring the protection and sustainable use of our water resources will be critical for maintaining the economic and ecological health of our region for years to come.

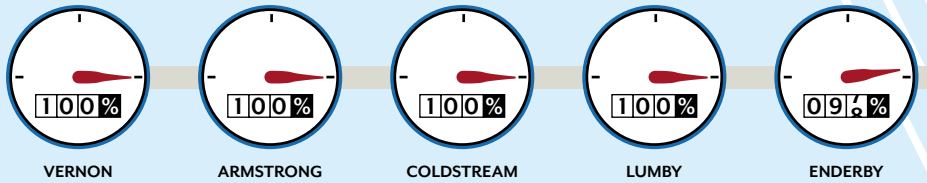
**HOW ARE WE DOING?**



Doing great

**INSTALLATION OF WATER METERS:**

100% OF HOUSEHOLDS, BUSINESSES AND AGRICULTURAL OPERATIONS IN COMMUNITIES WITH LOCAL GOVERNMENT WATER SYSTEMS SUCH AS VERNON, ARMSTRONG, COLDSTREAM AND LUMBY HAVE WATER METERS INSTALLED. IN ENDERBY, THAT NUMBER IS 97.4%. HOWEVER, MORE CAN BE DONE IN AREAS WITHOUT LOCAL GOVERNMENT WATER SYSTEMS WHERE VERY FEW SYSTEMS HAVE WATER METERS.



Source: RDNO. There is currently no data for Areas B, C, D, E or F.

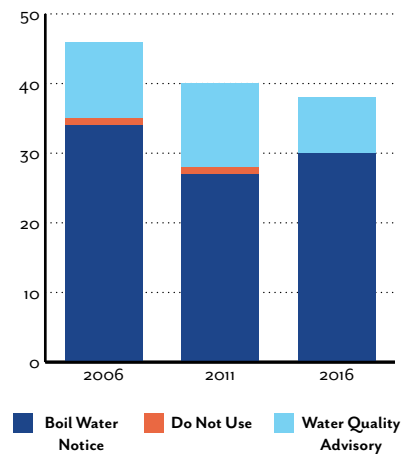


Doing well

**WATER QUALITY ALERTS:**

THE INTERIOR HEALTH AUTHORITY TRACKS BOIL WATER NOTICES, DO NOT USE, AND WATER QUALITY ADVISORIES FOR LARGE AND SMALL WATER UTILITIES ACROSS THE REGION. FROM 2006 – 2016, WATER QUALITY ALERTS DECREASED OVERALL. LARGE WATER UTILITIES SAW A SIGNIFICANT DECREASE (FROM 11 ADVISORIES TO 1), WHEREAS SMALL WATER UTILITIES SAW A SLIGHT INCREASE (35 TO 37 TOTAL ADVISORIES).

**TOTAL WATER QUALITY ALERTS**



Source: Interior Health Authority



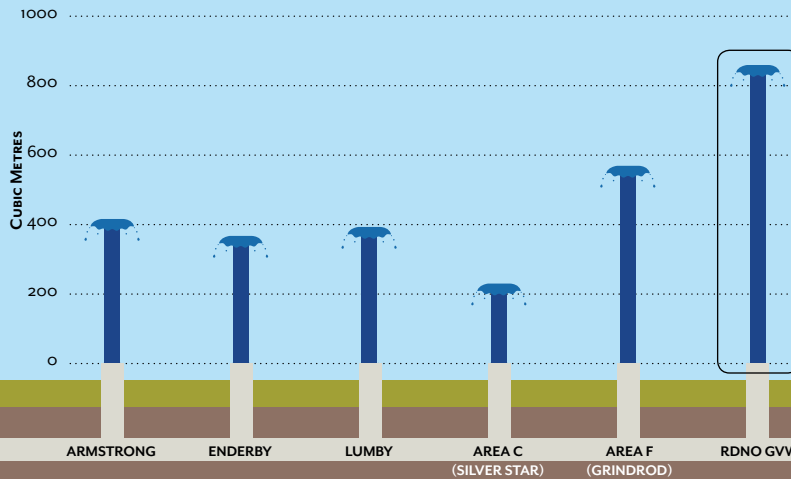


## WATER USE PER CONNECTION FOR MAJOR UTILITIES:

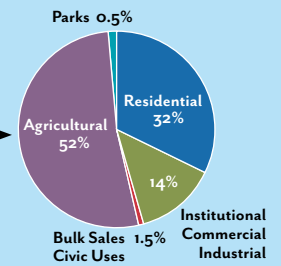
MUCH OF OUR REGIONAL POPULATION AND INDUSTRY RECEIVE WATER FROM A HANDFUL OF MAJOR UTILITIES. THE FOLLOWING DOES NOT INCLUDE CONSUMPTION OF WELL-WATER, SMALLER PRIVATE UTILITIES, ETC.

BASELINE DATA ONLY (2015)

Source: Utility reporting



## GREATER VERNON WATER CONSUMPTION BY CUSTOMER TYPE



Source: 2015 Greater Vernon Water Annual Report, 2015

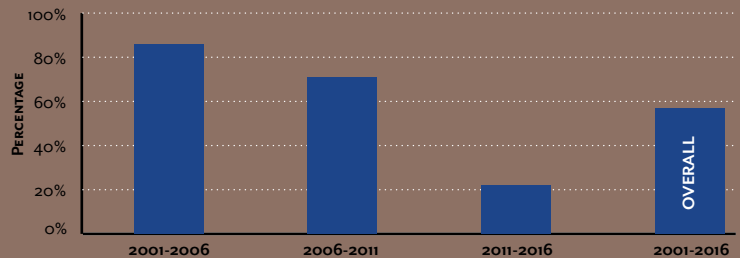


Possibly improving

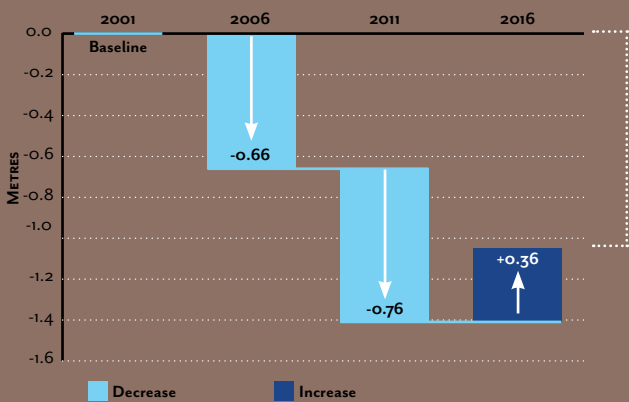
## GROUNDWATER LEVELS:

SINCE 2011, GROUNDWATER LEVELS HAVE INCREASED AN AVERAGE OF 0.4 METERS OVERALL WITH 7 OUT OF 9 (78%) SHOWING AN INCREASE IN MEASURED LEVELS. HOWEVER, THIS IS AFTER A LONGER PERIOD OF DECLINE, WITH AN AVERAGE DECREASE OF ABOUT 1 METER FROM 2001 TO 2016 DURING WHICH MOST WELLS SHOWED DECLINING LEVELS.

## PERCENTAGE OF OBSERVATION WELLS THAT SHOWED DECLINING LEVELS



## AVERAGE CHANGE ACROSS ALL WELLS (2001-2016)



## WELL LEVEL CHANGES IN METERS (2011-2016)

Overall down 1.06 meters from 2001 - 2016

