

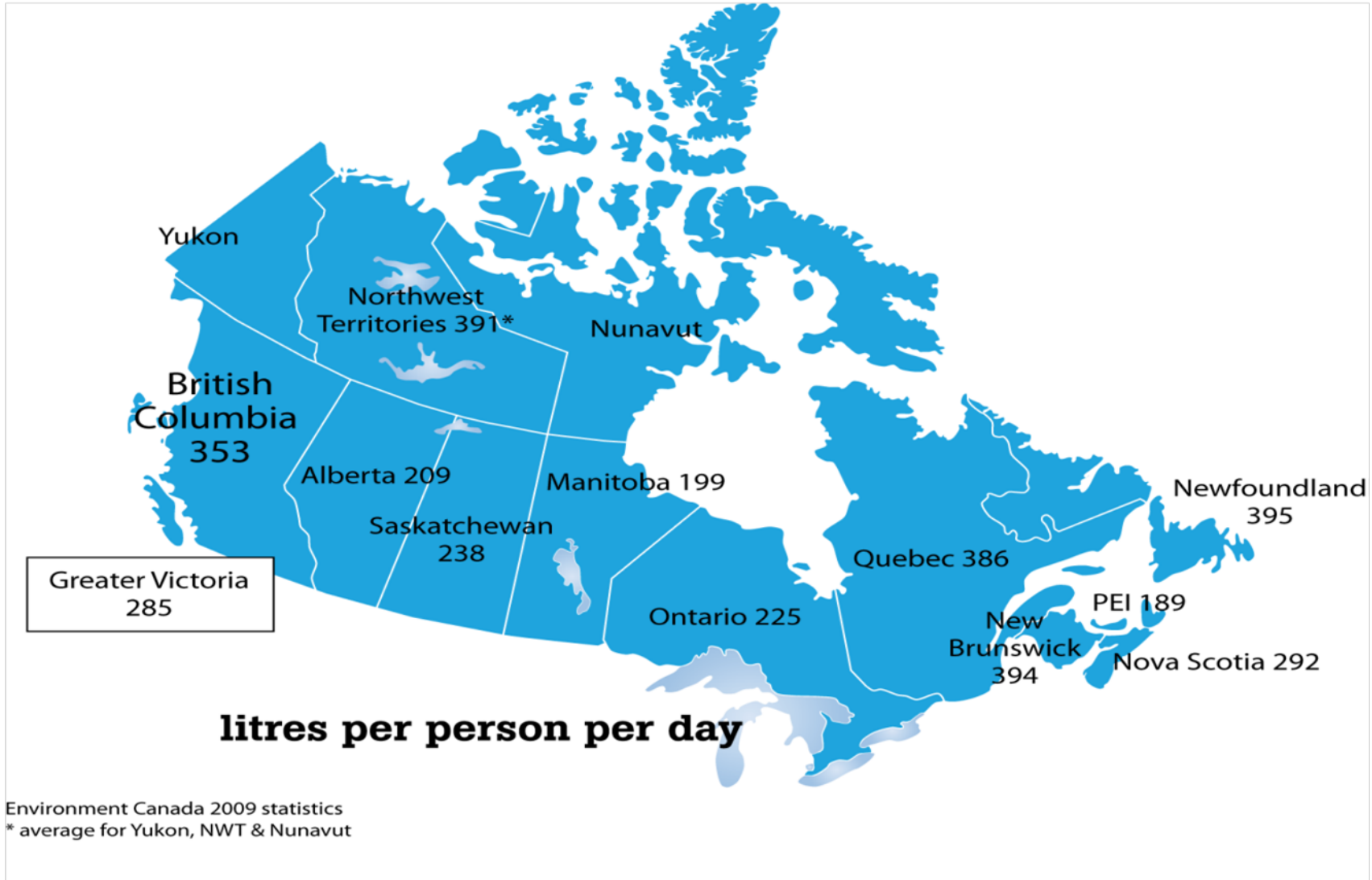


Capital Regional District Environmental Partnerships

Conservation Regulations and Enforcement Tools



How B.C. Compares in Water Use?





Role of Legislation in Water Conservation

Federally/Provincially

- Development of new laws / policies that integrate overarching water conservation principles.
- Update existing laws /policies
- Strengthen/update building and plumbing codes
- Best practices (with some teeth) for industry, irrigation professionals, builders, etc.

Locally

- Develop bylaws and policies that can be enacted under your jurisdiction that reflect the reality of your communities
- 



Examples of Common Water Conservation Bylaws and Regulations in Canada



Making a difference...together

Water Efficiency Regulation/Bylaw	Description	Jurisdiction
Lawn irrigation bylaws (year-round)	Most often Stages - 2 times per week, set hours for watering, exemptions allowed	CRD among many communities Region of Waterloo
Once through cooling Bylaw	Cooling water must be re-circulated or reused. new residential, industrial, commercial or institutional construction; or renovation project that requires a plumbing permit	Calgary, Edmonton, Region of Waterloo, City of Guelph, Black Diamond Alberta
Water efficient fixtures	Maximum flow rates for plumbing fixtures	BC Plumbing Code Spruce Grove, Town of Olds, Calgary
Water Wastage bylaw		CRD among many communities across Canada
Water Meter Bylaw	Legislates the mandatory metering of flat rate customers	City of Calgary, City of Kamloops , Dryden, On





Innovative Outdoor Bylaws/Regulations

- Water conservation plans
- Limitations on the amount of lawn area per property
- Permits to put in an in-ground irrigation system
- Micro-drip irrigation only for any new landscape installations
- Turf grass soil depth requirements
- Require installation of an irrigation controller
- Rain sensors for in-ground sprinkler systems
- Prohibition of in-ground sprinklers in specific areas (e.g., medians)
- Set percentage of plant material that must be native/drought species
- Landscape water budgets based on percentage of (ET)
- Landscaping / Irrigation audits
- Separate meters for landscape
- Landscape /Irrigation plans
- Minimum mulching requirements



Enforcement Tools



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Ordinance

- Lawn Watering Bylaws/Schedules
- Water Waste

- Rain sensors for in-ground sprinklers
- Prohibition of in-ground sprinklers in specific areas (e.g. medians)
- Water efficient fixtures
- Set percentage of plant material that must be native/drought species
- Require installation of controller

- Limitation on the amount of lawn area

- Landscaping/Irrigation audits
- Separate meters for landscaping

Enforcement Tools

- Combination of education/fines student patrols , enforcement by Bylaw Officers
- Hotlines for reporting of violations


Enforcement during building permit inspections.

Mandatory compliance, violation will result in lawn being torn out and replacement

No enforcement



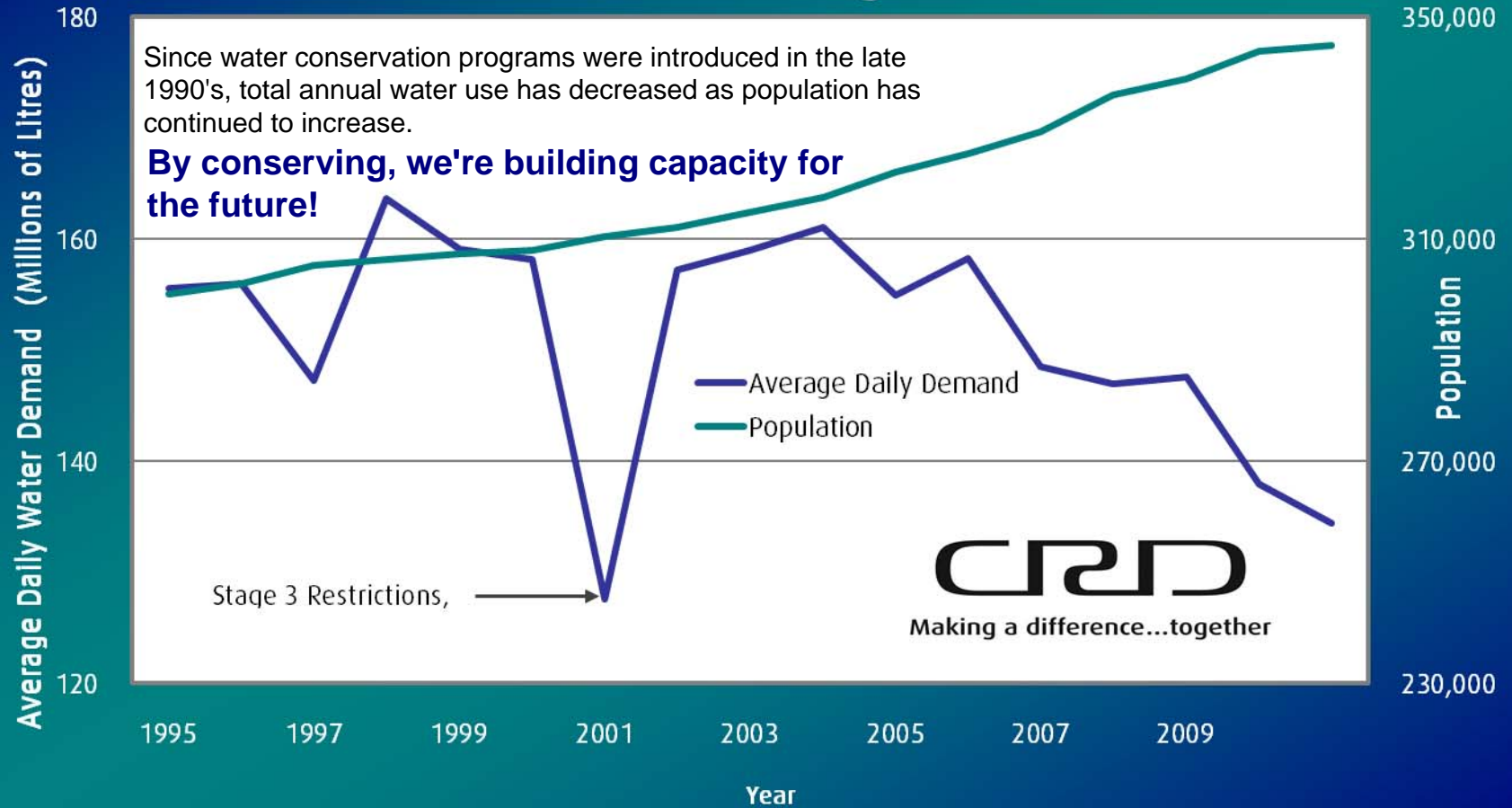
CRD Success In Bylaw Use

- Goal of 25 to 30 % reduction
 - Comprehensive and aggressive communications plan, along with the implementation of Stage 3 watering restrictions
 - Water demand was reduced by 27.8% between the months of April and September.
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- A decorative teal wave graphic with white highlights, located at the bottom right of the slide.



Population and Demand

Water Conservation is Working in Greater Victoria






Our Changing & Challenging World



Making a difference...together

- Consumer Demand for Sustainable Practices/Programs
 - Climate Change
 - Stressed Water Resources
 - Water Quality /Quantity
 - Population Growth
 - Reduced Budgets for Programs & Staff
 - Economic / Social Pressures
- 



Using our Water Wisely



If we all save a little, we can all save a lot!

474-9684

**Call Demand Management
Information Line**

