

Water Sustainability Action Plan

2008 Review

2009 Plans

Presented by Neal Klassen

City of Kelowna Water Smart Program

H2Okanagan Water Conservation



WATER SUSTAINABILITY ACTION PLAN

1. Demand Side Management Programs
2. Customer Education
3. Link Water Conservation to Development Approvals
4. Ensure Effective Full Cost Pricing
5. Reduce Water System Leakage
6. Ensure the Use of Efficient Fixtures
7. Explore and Develop Water Reuse

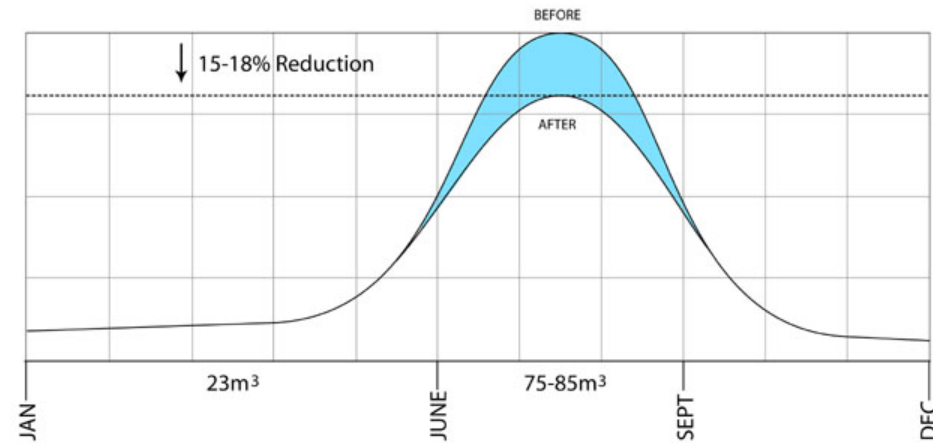


1. Demand Side Management Programs

Using Consumption Data to Identify Conservation Priorities

- Parks Department
- Bare Land Stratas
- Single Family Residential

Primary focus continues to be reducing water used for landscape irrigation



2. Customer Education

2008:

Tests/experiments concluded:

- Compost Tea
- Soil Amendment
- Drought tolerant grass
- Odd/Even Watering Restrictions
- Irrigation audits of 45 parks

2009:

- Developing rebate programs
- Implementing test results in neighborhood parks



3. Link Water Conservation to Development Approvals

75 – 80% of summer consumption is used for landscape irrigation

2008:

Worked with stakeholders to develop draft standards and bylaws to ensure water efficient landscaping in new construction

2009:

Information report to council in early 2009, with final report for council approval in spring, 2009.



4. Ensure Effective Full Cost Pricing

2008:

No rate changes in 2008. Comprehensive rate review identified certain customer groups do not pay their share for the water they use.

2009:

Recommendations on rate adjustments will be brought to council in spring 2009.

This will help ensure equitable distribution of costs among the various customer classes.



5. Reduce Water System Leakage

To ensure that the water distribution system itself is as efficient as possible.

2008:

Completed a comprehensive water audit and leak detection survey for water distribution system.

Early indications suggest that leakage in Kelowna's system is minimal by industry standards.

2009:

Develop recommendations and actions based on report.



6. Ensure the Use of Efficient Fixtures

- Plumbing Fixture Bylaw has not been reviewed since 1993.
- Significant improvements in low flow technology since then.

2008:

Studied Plumbing Fixture Bylaws and toilet rebate programs in other Canadian/U.S. Cities.

2009:

Will recommend changes to bylaw and pilot toilet rebate program.



7. Explore and Develop Water Reuse

- Water re-use is popular in some other jurisdictions.
- City of Penticton uses treated waste water to irrigate parks.
- Exploring water re-use opportunities in Kelowna such as:
 - 1) Use drainage from detention ponds for parks irrigation.
 - 2) Construct localized holding tanks to capture drainage for irrigation purposes.



Water Sustainability Action Plan

2008 Review

2009 Plans

QUESTIONS?

