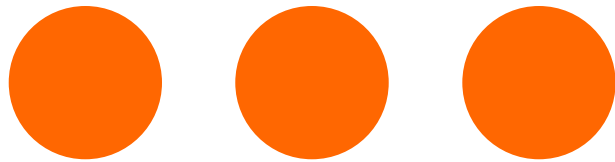


Let's Create a Sustainable Future Together . . .



www.futureok.ca
City Of Kelowna



Background

- **Kelowna embraces the need for corporate and community sustainability**
- **FutureOK workshop held in mid 2006 to gain public feedback**
- **Priorities identified include preservation of open space, GHG reduction, transportation demand management and water sustainability**

Council Direction

- **Develop Sustainability “definition”**
- **Develop principles to guide actions**
- **Develop an inventory of existing sustainable policies and initiatives**
- **Take a two phase approach: corporate and then community**
- **Provide information on possible governance models**
- **Make recommendations**



What is Sustainability?

Definition:

Providing services and infrastructure to our community in a way that improves the capacity of future generations and other species/people/places to meet their own needs.



Principles



- 1. Promote health, safety and respect in the workplace**
- 2. Seek opportunities to collaborate with external groups in transparent relationships**
- 3. Strengthen a shared corporate culture that demonstrates sustainability in policy and action**

Principles continued . . .



- 4. Protect biodiversity**
- 5. Conserve resources and reduce pollution**
- 6. Help restore the environment from harm already done**

Principles continued . . .



- 7. Maintain and enhance existing assets**
- 8. Maximize use of physical infrastructure**
- 9. Take a long-term, life-cycle, and triple bottom line view for financial planning**

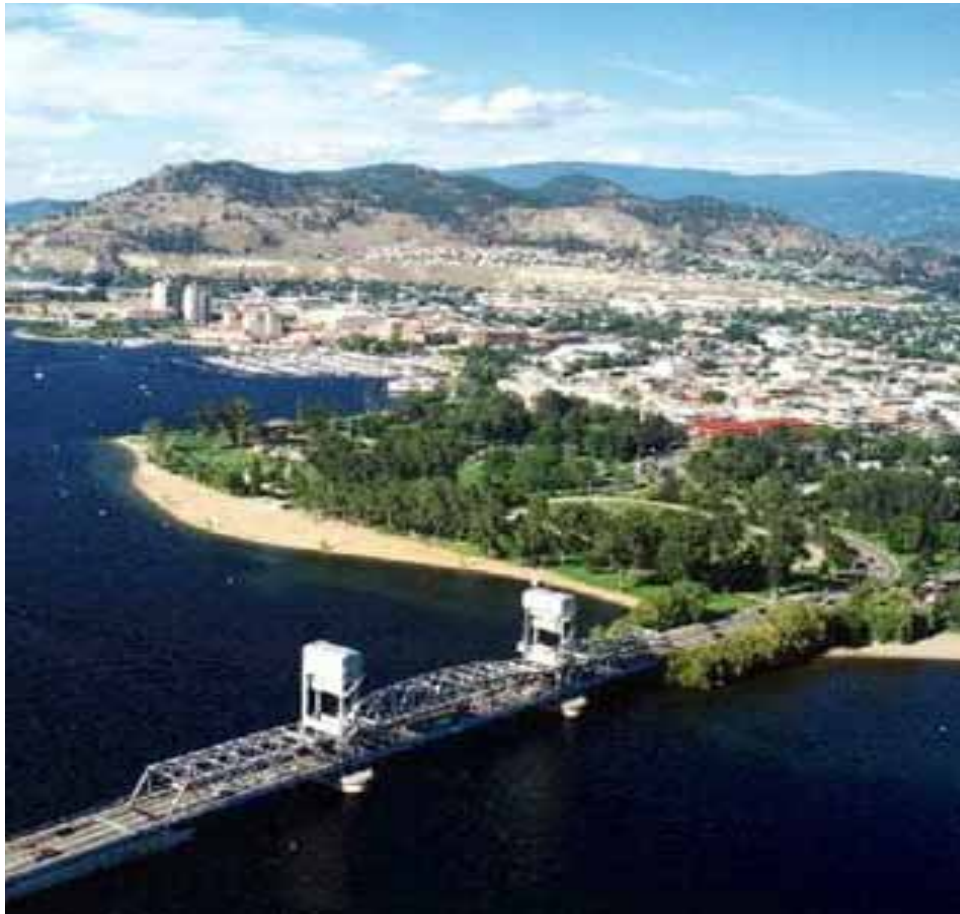
What are we doing now?

1. Water Sustainability Action Plan
2. Facility Energy /GHG Targets Set
3. Methane Gas Extraction and Reuse
4. Transportation Demand Management
5. Hybrids and Smart Cars for Fleet
6. Regional Solid Waste Reduction
7. LED Traffic Lights
8. Efficient Streetlights Programs
9. Regional Air Quality Initiatives
10. Preservation of open space and habitat



CITY OF KELOWNA:

Water Sustainability Action Plan



The Goal

To build on the 20% reduction in overall water use achieved since 1998, with a further 15% reduction by 2012.

Initial Approach to Reduction

- Established a 3 pronged approach using universal metering , user pay rate structure and customer education
- Metering is the necessary tool to understand customer use and to assist in setting rates
- Increasing block rate structure established
- Customer education through Water Smart

Water Smart Program Elements

- One-on-one customer education
- Free irrigation system assessments
- Soil amendment program
- Compost tea program
- Use meter data to identify and target excessive water users
- Work internally with city facilities and parks department

Seven Steps to Water Sustainability

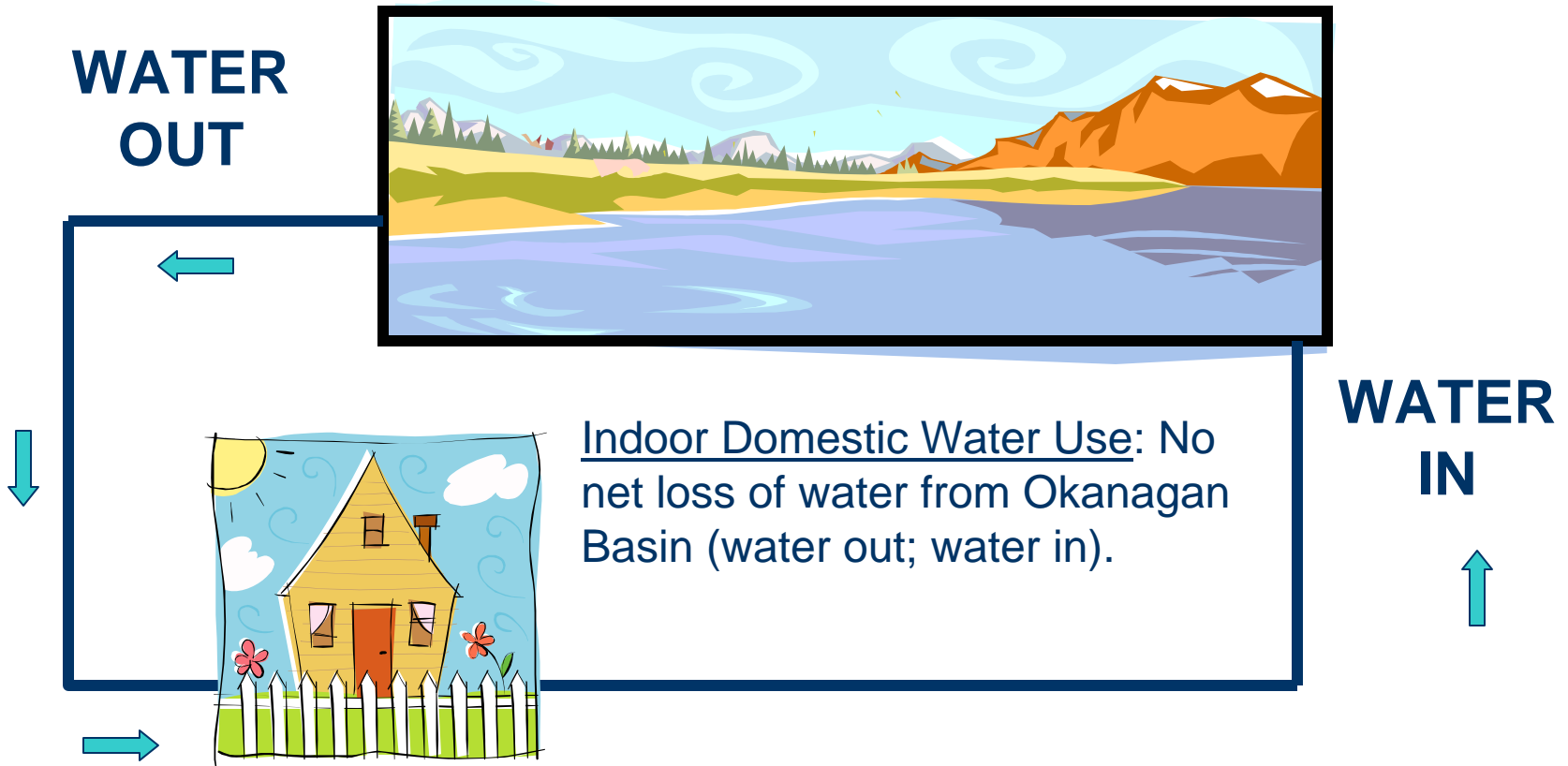
1. Demand Side Management Programs
2. Customer Education via effective social marketing
3. Link Water Conservation to Development Approvals
4. Ensure Effective Full Cost Pricing
5. Reduce Water System Leakage
6. Ensure the Use of Efficient Fixtures
7. Explore and Develop Water Reuse

Kelowna: An Irrigation Oasis

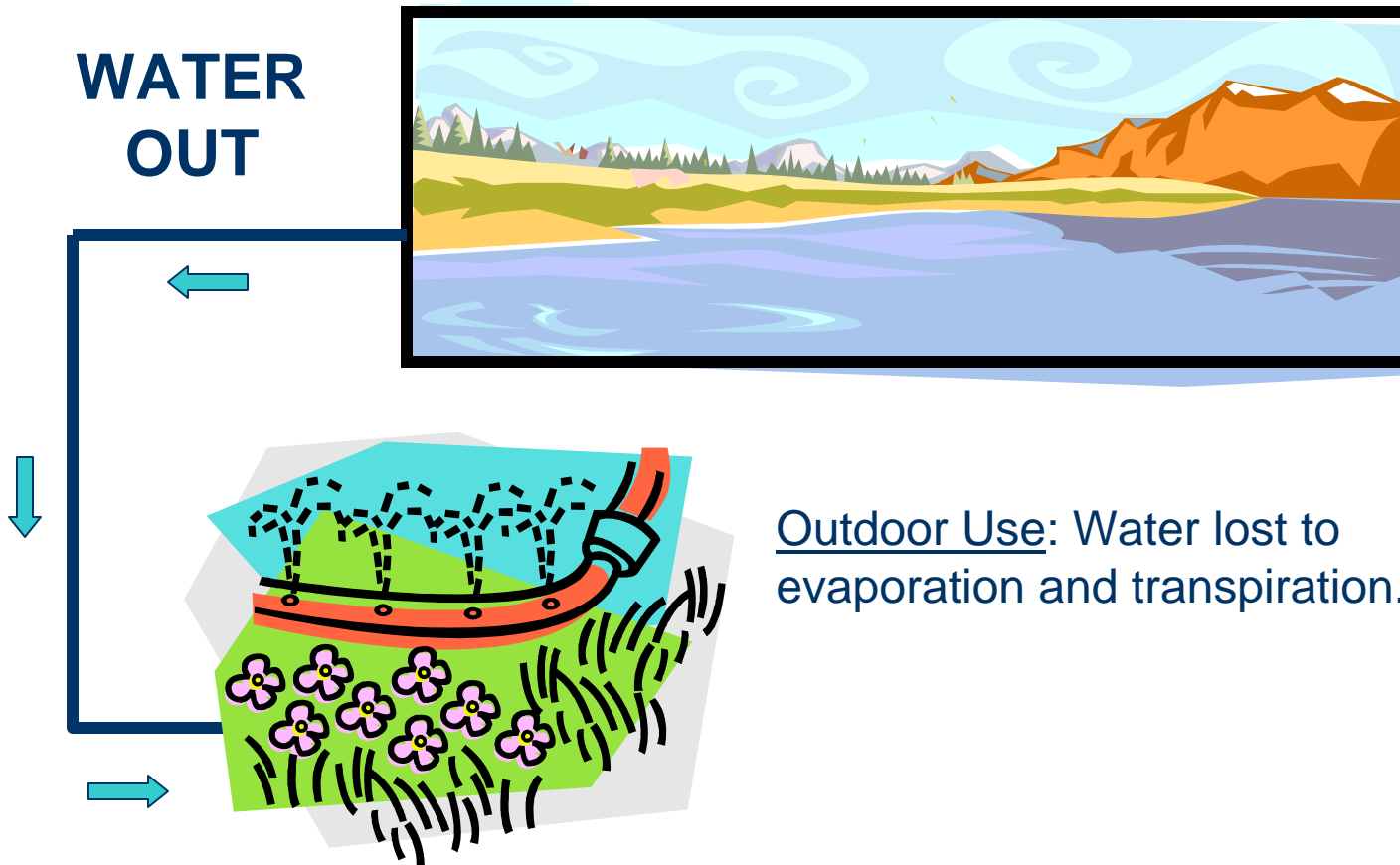


Typical Kelowna home and park: a love affair with turf grass.

Why We Concentrate Mainly on Outdoor Water Conservation

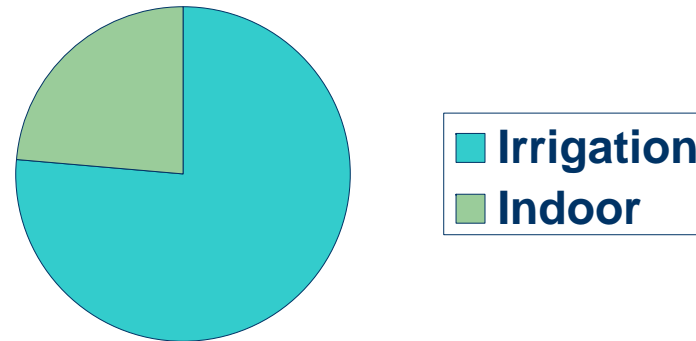


Why We Concentrate Mainly on Outdoor Water Conservation



Outdoor Use: Water lost to evaporation and transpiration.

Kelowna: An Irrigation Oasis



**Total Yearly Water Consumption:
Residential**

Rapid growth, public expectations and affluence and hot, dry summer weather create spiraling peak demand.

Landscape and irrigation design standards



CURRENTLY

- 1) Poor Soil
- 2) Inappropriate plants
- 3) Poorly designed irrigation systems
- 4) Landscapes requiring chemical pesticides, fertilizers

Landscape and irrigation design standards



STANDARDS TO ENSURE...

- 1) Adequate soil
- 2) Appropriate plants
- 3) Efficient irrigation
- 4) Less fertilizer and pesticides

Want to Know more?

- Water Smart @ 250 868 3339
- www.getwatersmart.com
- Futureok.ca