



**FortWhyte Alive**  
HUMAN. NATURE.



# Water Audit Workbook

## Every drop counts!

Canadians use a lot of water, an average of 274 Litres (L) per person per day. In Winnipeg, the average person uses 180 L each day in their daily activities. Home (residential) water use accounts for 58% of total water use in Winnipeg. Water conservation at home is a great way to reduce long-term impacts on the environment and personal costs on your utility bills. High water use adds stress to our water treatment and delivery system.

There are easy ways to reduce your water use without changing your lifestyle. Complete this home water audit workbook to discover how much your family is using, and follow the easy tips below to reduce your water use.

## Let's get started!

**STEP 1:** Review our Water Saving Tips

**STEP 2:** Record your Daily Home Water Usage

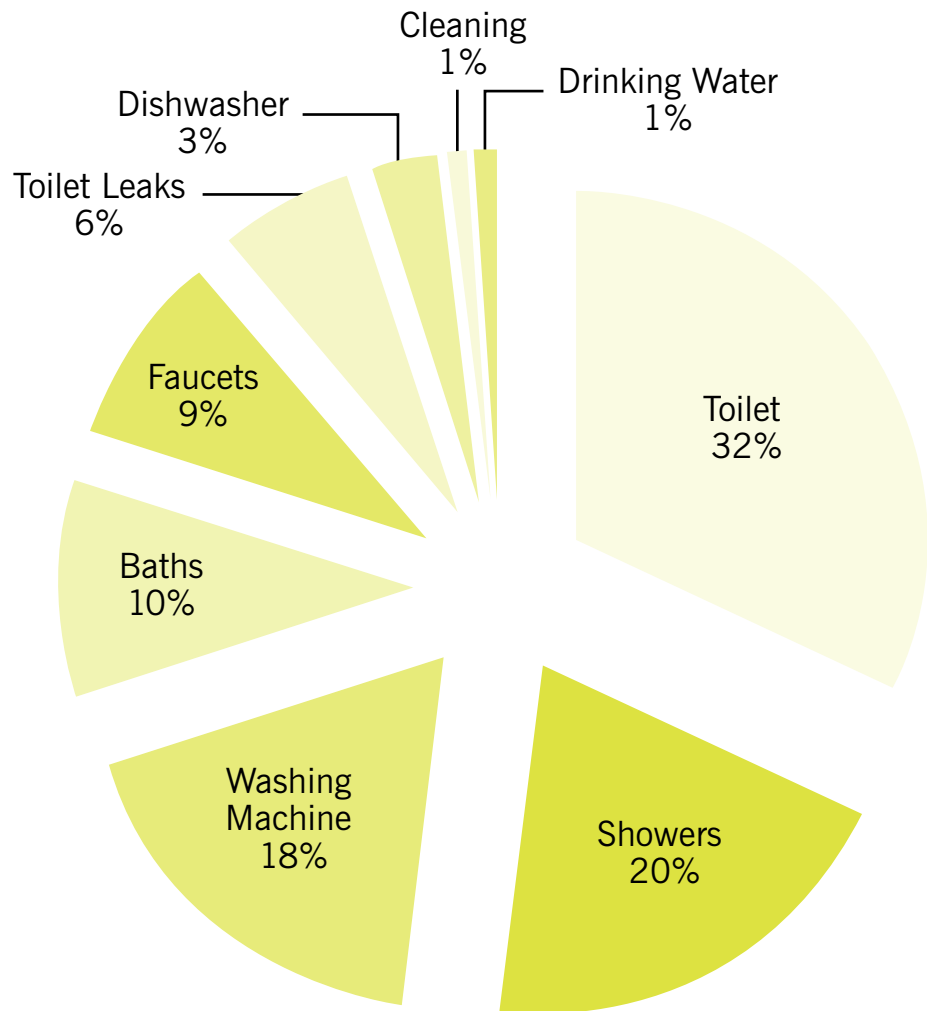
**STEP 3:** Complete a Utility Bill Audit

**STEP 4:** Submit your Results, and Enter to Win!

# Winnipeg's Residential Indoor Water Use

## Did you know?

Indoor water use accounts for roughly 95% of a household's annual water use.



## STEP 1:

## Water Saving Tips

### Estimated payback values for a family of four:

**1 month:** Replacing a 9.5L/min kitchen tap

**4 months:** Replacing a 12L/min showerhead

**2 years:** Replacing a 13L/flush toilet

**5 years:** Replacing a 155L/load washing machine

### Bathroom

#### Higher cost solutions:

Replace old water guzzling toilets with a WaterSense labeled model, which uses 4.8L or less per flush. Check out the City's Residential Toilet Replacement Credit Program.

#### Low cost solutions:

Replace your showerheads and taps with WaterSense labeled models. Reduce your shower time to 5 minutes. Check out Manitoba Hydro's FREE Power Smart Water and Energy Saver Program.

### Kitchen and Laundry

#### Higher cost solutions:

Replace an old inefficient dishwasher and washing machine with an ENERGY STAR model. Check out Consortium for Energy Efficiency (CEE) for more info on super-efficient home appliances.

#### Low cost solutions:

Install a water efficient kitchen tap. Put the plug in while washing dishes or clothing.

### Outdoors:

#### Higher cost solutions:

Landscape your yard with native prairie flowers and grasses that thrive in our climate. Check out FortWhyte Alive's Rain Barrel Program.

#### Low cost solutions:

Water on calm mornings to avoid losing water to evaporation. Check the forecast before watering your landscape.

## STEP 2:

# Record your Daily Home Water Usage

Learn where you are using the most water in your home! Before you begin this audit, place paper and pencils in each room (kitchen, bathroom, laundry) so your family can tally your total water use. Use a timer in the shower. When you are done, transfer the information and do calculations using the estimated table below.

| Activity |                      | Average Amount of Water Used | Times/Day | Total Litres Used |
|----------|----------------------|------------------------------|-----------|-------------------|
| KITCHEN  | Using the Dishwasher | 25 L / load                  |           |                   |
|          |                      | 16 L / load ENERGY STAR      |           |                   |
|          | Running the Tap      | 9.5 L / min - Regular        |           |                   |
|          |                      | 5.7 L / min - WaterSense     |           |                   |
| TOTAL    |                      |                              |           |                   |
| BATHROOM | Shower               | 13.2 L / min - Regular       |           |                   |
|          |                      | 7.6 L / min - WaterSense     |           |                   |
|          | Bath                 | 90 L                         |           |                   |
|          | Toilet               | 13 L / flush - Regular       |           |                   |
|          |                      | 4.8 L / flush - WaterSense   |           |                   |
|          | Running the Tap      | 5.7 L / min                  |           |                   |
| TOTAL    |                      |                              |           |                   |
| LAUNDRY  | Washing Machine      | 155 L / load - Regular       |           |                   |
|          |                      | 88 L / load - ENERGY STAR    |           |                   |
| TOTAL    |                      |                              |           |                   |
| OUTSIDE  | Lawn Watering        | 1000 L / hour                |           |                   |
|          | Full Watering Can    | 7.5 L                        |           |                   |
| TOTAL    |                      |                              |           |                   |

**Online Option:** Try the home water audit at [www.home-water-works.org/calculator](http://www.home-water-works.org/calculator).

### STEP 3:

## Complete a Utility Bill Audit

1. Take a look at your city utility bill under the Water Use section (11). Divide the amount of water used (16) by the number of days in your billing period (normally 90 days) (14).
2. Be aware that water usage changes with the season: summer water use is often much higher because you are using water on your lawn and garden.

For example, Colleen uses 0.632 cubic metres (632 L) per day (1 cubic metre is equal to 1000 L).

**Winnipeg**  
Water and Waste Department

① If you have questions about your bill, phone 204-986-2455 or email [utilitybill@winnipeg.ca](mailto:utilitybill@winnipeg.ca)

② Customer: Colleen Account Holder  
③ Account number: 10000000001

④ Amount due: \$328.68  
⑤ Due date: June 3, 2013  
⑥ Billing date: May 2, 2013

⑦ Messages  
This bill is based on our estimate of your water use because we don't have an actual reading from you. Please read your water meter today and call us at 204-986-2455 with a reading. Then we can bill you for your actual water use.  
Waste Diversion Service Charge is \$0.14 per day for each dwelling unit serviced.

⑧ Your Account Summary  
Previously billed amount: \$192.15  
Payment(s) received: (\$100.00)  
Balance forward: \$92.15  
Total new charges: \$236.53  
Amount due: \$328.68

⑨ Details of New Charges  
436 SOMEWHERE STREET

⑩ Waste Diversion Services  
1 Feb 2013 2 May 2013  
90 days basic charge X \$0.14 \$12.60

Water Charge  
90 days basic charge X \$0.16 \$14.40  
56.9 cubic metres X \$1.39 \$79.09

Sewer Charge  
90 days basic charge X \$0.09 \$8.10  
56.9 cubic metres X \$2.15 \$122.34  
Total new charges: \$236.53

⑪ Water Use

| ⑫ Meter Number | ⑬ Meter Size | ⑭ Days Billed | ⑮ Meter Reading Period Start | ⑮ Meter Reading Period End | ⑯ Usage in cubic metres | ⑰ Reading Type |
|----------------|--------------|---------------|------------------------------|----------------------------|-------------------------|----------------|
| 88888888       | 5/8"         | 90            | 13 Jan 2013                  | 13 Apr 2013                | 56.9                    | Estimated      |

E + O.E.

### STEP 4:

## Submit your Results to FortWhyte Alive

Record the results of your family's water audit.

Daily Home Water Usage: \_\_\_\_\_ L/day

Utility Bill Audit: \_\_\_\_\_ L/day

Are you making any changes to conserve more water? Please describe.

\_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ Prov.: \_\_\_\_\_ Postal Code: \_\_\_\_\_

Email: \_\_\_\_\_

☐ Please email me details on upcoming programs and events.

**Mail this sheet to FortWhyte Alive:** 1961 McCreary Rd, Winnipeg MB, R3P 2K9  
or email your results to [slowtheflow@fortwhyte.org](mailto:slowtheflow@fortwhyte.org) to qualify for a Slow the Flow prize package!