



THE UNIVERSITY OF WINNIPEG

GUIDELINE TITLE: Indoor Water Use Reduction Guidelines

APPROVAL BODY: VP Finance & Administration

GUIDELINE PURPOSE

The purpose of these Guidelines is to set out the targets, roles and responsibilities, standard operating procedures and implementation strategies, performance measurement, and schedule for reassessment for indoor water use reduction at The University of Winnipeg.

APPLICABILITY

This Guideline applies to all indoor water fixtures and fittings in all buildings owned and/or operated by The University of Winnipeg, including the following:

- Water closets
- Urinals
- Private lavatory faucets
- Showerheads
- Appliances specified below

RESPONSIBILITY

The Vice President, Finance and Administration is responsible for the development, administration and review of these Guidelines.

GUIDELINE ELEMENTS

Targets

<u>Component</u>	<u>Goal</u>	<u>Performance Measurement Unit</u>
Metered water use	Achieve an annual metered water intensity of 400L/m ³ by 2021 (a 10% reduction from FY2015-2017 average)	400L/m ³

This Guideline mandates that any newly installed water closets, urinals, faucets, and showerheads will not exceed the following rates:

Fixture type	Maximum Installed Flush or Flow Rate
Water closets	4.8 lpf
Urinals	1.9 lpf
Private lavatory faucets	5.7 lpm
Public lavatory faucets	1.5 lpm
Showerheads	7.9 lpm
Kitchen Faucet	6.7 lpm

In addition, this policy mandates that any newly installed appliances meet the criteria below:



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Appliance	Criteria
Residential clothes washer	ENERGY STAR (or equivalent)
Commercial clothes water	CEE Tier 3A (or equivalent)
Residential dishwasher, standard or compact	ENERGY STAR (or equivalent)
Ice machine	ENERGY STAR (or equivalent) AND either air-cooled or closed-loop cooling

Roles and Responsibilities

The primary responsible party for these guidelines is Facilities Management. They are responsible for ensuring that these guidelines are implemented and that any contracted vendors are informed of and adhere to the procedures outlined in these guidelines.

Physical Plant shall:

- Ensure tracking systems are in place to track progress towards targets outlined in the guidelines;
- Generate quarterly reports to track performance against targets and share these reports with the Campus Sustainability Office;
- Establish and implement processes and training required internal to Physical Plant to enable implementation of these guidelines;
- If any implementation targets are not being met, investigate the situation and work with the individuals involved in the relevant area to achieve better progress towards targets;
- In collaboration with the Campus Sustainability Office, review Targets and Purchasing Specifications at least every 3 years and recommend changes to the VP Finance & Administration.

The Campus Sustainability Office shall:

- Receive and file quarterly performance data from Physical Plant and collate the data for annual reporting purposes;
- In collaboration with Physical Plant, review Targets and Standard Operating Procedures at least every 3 years and recommend changes to the VP Finance & Administration;
- Incorporate water conservation practices into trainings and outreach efforts for staff and relevant campus stakeholders

Standard Operating Procedures and Implementation Strategies

- Inspect all existing fittings or fixtures to ensure they are operating properly. Make any repairs needed to bring all fixtures into good working order.
- Fixture and appliance manufacturer data and specifications will be reviewed in compliance with this Guideline prior to purchase and installation within the building.

ENERGY STAR clothes washers can be found here:

http://www.energystar.gov/certified-products/detail/clothes_washers

CEE commercial clothes washers can be found here:

<http://library.cee1.org/content/qualifying-product-lists-residential-clothes-washers>

ENERGY STAR residential dishwashers can be found here:

<http://www.energystar.gov/certified-products/detail/dishwashers>



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ENERGY STAR Ice machines can be found here:

https://www.energystar.gov/certified-products/detail/commercial_ice_makers

Any performance issues related to plumbing capacity that arise as a result of the installation of low flow rate fixtures should be documented.

v. Performance measurement and schedule for reassessment

The implementation of this policy will be evaluated annually for compliance.

ASSOCIATED POLICY & PROCEDURE

- Asset Management Policy
- Sustainability Policy