Industrial Water Rate

Water Conservation Plan

All information requested in this plan must be provided.

Part A: Submission details

Water Audit Engineer

The Water Conservation Plan must be completed and stamped by a certified professional engineer (P. Eng). Plans not completed and stamped by a P. Eng will be considered invalid.

Water Audit Engineer		
Submitted by	**Name (First, Last):**	
	Phone	
	Email	
Date of Report (yyyy-mm-dd):		
Signature		**P. Eng Stamp**

Water Conservation Plan

Site Specific Information

Complete a separate form for each facility/building.

Customer (Business) name:		
Water account number:		
Facility address:		
Contact Information	**Name (First, Last):**	
	Phone:	
	Email:	
Date (yyyy-mm-dd):		

Customer Background Information

- Your facility must be in compliance with the City's Sewer-Use By-law. For information on the Sewer-Use By-law, please call 311.
- An employee involvement strategy outlining how employees will be involved with managing water in your facility is required and must be included when submitting this *Water Conservation Plan*.
- A corporate policy committing to water conservation and efficiency is required and must be included when submitting this *Water Conservation Plan*.

Size of Facility (m^2/ft^2)	
Industry Sector	
Brief Business Description	
Total Annual Water Usage (m^3)	
Water used for industrial process (m^3)	

Please include your employee involvement strategy and corporate policy committing to water conservation and efficiency here.

Part B: Facility water usage

- Use the chart below to describe where water is used in your facility. This form is intended as a template. Please provide a comprehensive inventory – including descriptions of all water using processes, operations, fixtures etc. Attach all supporting information such as metering and monitoring records, photographs, reports, and specifications.
- Briefly describe the methods that were used to measure or calculate the water usage (include monitoring methods and photographs, if applicable).
- Monitoring methods may include:
  - the installation of additional metering and monitoring equipment
  - equipment specification information
  - stop watch and bucket measurements etc.
- Please include domestic uses such as water used in washrooms and kitchens.

#	Type/area of water usage for each facility area and/or process	Approximate water usage (m^3) per year	Industrial use (yes/no)	Monitoring method
1	Water Used in Product			
2	Process Cooling			
3	Air Conditioning (central and units)			
4	Cooling Tower			
5	Pump Cooling			
6	Refrigeration Units			
7	Domestic			
8	Irrigation			
9	Other *(please list)*			
	Total Industrial Water Use			
	Total Facility Water Use			

Part C: Identified water saving opportunities

- Identified water saving opportunities may include:
  - replacement of toilets with approved water efficient models
  - changing current practices/processes
- The construction costs **(A)** should include all project management cost, equipment and installation costs. The Estimated Annual Water Use Reduction **(B)** is based on implementing the water efficiency measure.
- **Please attach documentation with supporting calculations to justify estimated water savings.**
- Use the non-reduced water rate **(C)** for calculating the annual cost savings. Check the Toronto Water site for current rates. https://www.toronto.ca/services-payments/property-taxes-utilities/utility-bill/water-rates-and-fees/
- The estimated payback is calculated by dividing the construction costs **(A)** by the estimated annual cost savings **(D)**.

Water Efficiency Measures	Estimated Construction Costs	Estimated Annual Water Use Reductions (m3)	Estimated Annual Cost Savings **C =** _____ (Current water rate)	Estimated Payback Period (years)
	A	**B**	**B x C= D**	**A/D**

Part D: Implementation schedule and evaluation process

- List the measures from Part C that have a payback of five (5) years or less.
- List the forecasted start and end dates for each measure using the following guidelines for capital improvement implementation:
  - If payback is less than one (1) year, construction must be complete in two (2) years;
  - If payback is more than one (1) year but less than two (2) years, construction must be complete in less than three (3) years;
  - If payback is between two (2) and five (5) years, construction must be complete within five (5) years.
- If any water efficiency measures identified in Part C will not be implemented your must provide a detailed explanation as to why.
- Describe the evaluation process used to monitor savings and the success of your *Water Conservation Plan*.

Water Efficiency Measures	Estimated Payback Period (years)	Forecasted Start Date	Forecasted Completion Date	Monitoring Method for Water Savings

Explanation for Not Implementing Water Efficiency Measure Identified in Part C

1. item 1
2. item 2

Part E: Evaluation

Provide an explanation of the evaluation process planned to monitor the success of the *Water Conservation Plan* within your facility.

Provide any additional information you feel is relevant to the Water Conservation Plan.

Submit completed Water Conservation Plans and all supporting documents
By e-mail to:

savewater@toronto.ca

By mail to:

Industrial Water Rate, Customer Care Support, Toronto Water
275 Merton Street, 1st Floor,
Toronto, ON M4S 1A7

For additional information, please call 311.