

WATER MATRIX PRESENTS

EVOLVE SMART SHOWER SYSTEMS:

CASE STUDY RESULTS



EVOLVE PILOT PROPERTIES - ONTARIO



TORONTO & OTTAWA LOCATIONS



OVER 1,000 EVOLVE UNITS INSTALLED



M&V OF UTILITY SAVINGS DATA (WATER & GAS)

All Evolve installations outlined in this document were completed by Water Matrix Inc. Water and heating fuel consumption data has been collected and analyzed for each property completed, pre & post installation.



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CUSTOMER FEEDBACK:
Sustainable Impacts of Evolve

JOANNA JACKSON

Director,
Sustainability & Innovation



"The Evolve line up of products has provided Minto with a new and unique opportunity to uncover additional utility and GHG savings, even after suites have been upgraded to high efficiency water fixtures. Because Evolve technology specifically tackles tenant shower behaviours and in-shower leaks/waste, Minto has captured net new savings that weren't available through traditional fixture upgrades. Evolve technology provides a unique opportunity to modify user behaviour with minimal impact on our residents, ensuring ongoing savings. Minto's utility costs have been further improved as a result of Evolve. We are excited to use this product throughout Minto's multi-family portfolio to unlock new savings potential at properties new and old."

Evolve EV3352 - TP

Feature Product

The EV3352-TP Evolve Smart Shower System was used in all installations reviewed in this case study. This commercial grade unit, made only for Water Matrix, boasts brass internal components, tamper proof features and enhanced pull chord strength vs retail models.



Chrome
Finish

Low Flow Showerhead with "Smart Start" Valve

1.5 GPM tamper proof showerhead, with Shower Start technology & solid brass internal components stop the flow of water until the bather is ready to enter.

Leak Proof Auto Diverting Tub Spout

Leak proof "Auto-Diverting" tub spout that redirects water via thermostatic valve once it reaches showering temperature.



Tamper
Proof

Project Overview

All Locations

Over 1000 Evolve units installed across 7 Minto properties provided unique & substantial water and heating fuel savings. Based on the utility data reviewed pre/post installation, the following sustainability achievements and NOI improvements have been met:

ESTIMATED UTILITY SAVINGS - YEAR 1

\$ 197,000

Based on an average utility cost increase of 3% per year, the 5 year savings estimate associated with this project is:

\$ 1,045,899

ESTIMATED PROJECT PAYBACK < 24 MONTHS



\$109,000 Annual Reduction

Overall water consumption reduced by 24,917 m3 per year as a result of the Evolve Smart Shower system installation.



\$88,000 Annual Reduction

Overall heating fuel consumption was reduced by 187,000 m3 per year as a result of the Evolve Smart Shower system installation.



~361 Metric Tons GHG Reduction

Reduced heating fuel requirements led to the elimination of ~361 metric tons of greenhouse gas emissions per year.

SITE ANALYSIS

ONTARIO LOCATIONS SAVINGS DATA

	PROPERTY LOCATIONS	EVOLVE UNITS	WATER SAVINGS	DHW FUEL SAVINGS	~PAYBACK PERIOD
1	Pilot 1 – Ottawa	84	33.1 %	11.8 %	7 Mths
2	Pilot 2 – Ottawa	188	29.2 %	15.2 %	9 Mths
3	Pilot 3 – North York	104	14.4 %	17.1 %	8 Mths
4	Pilot 4 – North York	53	10.1 %	5.4 %	18 Mths
5	Pilot 5 – Ottawa	213	9.6 %	5.6 %	23 Mths
6	Pilot 6 – Ottawa	251	7.1%	15.0 %	31 Mths
7	Pilot 7 – Ottawa	117	7.0 %	14.9 %	40 Mths
TOTALS & AVERAGES		1010 Total	15.8% Avg.	12.1 % Avg.	19 Mths Avg.

All sites completed with EVOLVE had previously undergone water fixture retrofitting in suite to update showerheads to low flow volumes of 1.5 GPM. Water savings generated by Evolve installations are related to improved hot water wait times, minimization of energy rich water loss from user behaviours and complete elimination of tub spout leaks during showering.



EVOLVE SYSTEM

FAQ's:

& Common Misconceptions

1

I already have low flow fixtures at my sites. How much more can Evolve really save?

Because Evolve uniquely tackles behavioural waste & leak waste, sites with new low flow fixtures still save water & heating fuel with this technology. All sites in this case study were already using 3L toilets & 1.5GPM showerheads & still achieved incredible savings .

2

My apartment buildings have hot water recirculation systems. Evolve won't work for me.

Sites with hot water recirculation systems typically save more with Evolve! Field studies have shown that most bathers pre-shower behaviour is directly connected to their routine, not how fast hot water arrives. As a result, hot shower water arriving before the bathers routine is complete, typically goes to drain. Evolve eliminates this waste & kicks into action stopping unnecessary water loss.

3

I have stand up showers with no tubs spouts. Evolve wont work for me.

No tub spout? No problem! Evolve Smart Shower Systems come with many product options, including models that are designed for showers without tub spouts. Regardless of your showers design, Evolve has a product that's right for you.

INTERESTED IN EVOLVE?

GET STARTED TODAY!

Impressed by the results? Interested in having your properties evaluated for Evolve Smart Shower Systems? We can help! Our review process for Evolve compatibility is **SIMPLE, FREE & ACCURATE**. Here's how we find out if Evolve is right for you and your properties.

3 EASY STEPS

TO GET YOUR EVOLVE PROPOSAL:

01



SUBMIT UTILITY BILLS

Submit 12 months of water and natural gas data for our team to review and benchmark.

02



FREE AUDIT

Water Matrix techs complete a comprehensive onsite audit at no charge.

03



SAVINGS ANALYSIS

Complete Evolve savings proposal, with project cost, ROI and utility reduction projections

Get started by Phone: Call us at **905-850-8080**

Get started by Email: Email us at **sales@watermatrix.com**

Get started Online: Visit us at **www.watermatrix.com/evolve**