



## Typical Household Examples

### Showerex 900 Horizontal – 10 min shower at 10L per min

Savings per Shower	\$0.15897	
Savings per Week	× 7	\$ 1.11
Savings per Year	× 365	\$ 58.02
<b>Savings per Family of 4 per Year</b>	<b>× 4 × 365</b>	<b>\$ 232.10</b>
CO2 Emissions Saved	Hot Water Saved	Investment Return
<b>106 kg / year</b>	<b>14,548 litres / year</b>	<b>48% / year</b>

### Showerex 1400 Vertical – 10 min shower at 10L per min

Savings per Shower	\$0.38307	
Savings per Week	× 7	\$ 2.68
Savings per Year	× 365	\$ 139.82
<b>Savings per Family of 4 per Year</b>	<b>× 4 × 365</b>	<b>\$ 559.28</b>
CO2 Emissions Saved	Hot Water Saved	Investment Return
<b>257 kg / year</b>	<b>35,418 litres / year</b>	<b>91% / year</b>

### Showerex 1400 Vertical – 10 min shower at 20L per min

Savings per Shower	\$0.60494	
Savings per Week	× 7	\$ 4.23
Savings per Year	× 365	\$ 220.80
<b>Savings per Family of 4 per Year</b>	<b>× 4 × 365</b>	<b>\$ 883.21</b>
CO2 Emissions Saved	Hot Water Saved	Investment Return
<b>405 kg / year</b>	<b>55,933 litres / year</b>	<b>144% / year</b>

# Showerex Savings Per Shower

	6 L/m	10 L/m	15 L/m	20 L/m
<b>Horizontal 900</b>	\$ 0.11020	\$ 0.15897	\$ 0.20341	\$ 0.23084
<b>Horizontal 1400</b>	\$ 0.15036	\$ 0.24267	\$ 0.34081	\$ 0.42938
<b>Vertical 900</b>	\$ 0.15246	\$ 0.23810	\$ 0.28970	\$ 0.36741
<b>Vertical 1400</b>	\$ 0.24918	\$ 0.38307	\$ 0.47185	\$ 0.60494

## Nominal Calculation Details:

Calculation is based on an average shower with a mixed shower temperature of 38°C, hot water cylinder temperature of 60°C, cold water temperature of 11°C for horizontal installation and 11.5°C for vertical installation, specific heat of water of 4.186 joules per °C per gram, and does not account for any change in flow caused by temperature limiting valve. Calculation also excludes any savings made in the period before a shower when shower and Showerex is warming up.

CO2 saved is calculated based on the average CO2 emissions per kWh of electricity generated in New Zealand (0.1287 kg per kWh) as reported by the New Zealand Government's EECA Business CO2 Emission Calculator on 8th May 2019.

Return on investment and payback period are calculated based on a purchase price of \$483.00 for Showerex 900 and \$611.80 for Showerex 1400, which includes New Zealand GST but excludes freight and any installation costs.

