

Typical Household Examples

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

CO2 Emissions Sayad	Hat Water Sayed	Investm	ont Doturn	
Savings per Year Savings per Family of 4 per Year		× 4 × 365	\$ 232.10	
		× 365	\$ 58.02	
S	avings per Week	× 7	\$ 1.11	
Sav	vings per Shower	\$0.15897		

CO2 Emissions Saved Hot Water Saved Investment Return

106 kg / year 14,548 litres / year 48% / year

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

		Hot Water Saved 35.418 litres / year		ent Return
		× 4 × 365	\$559.28	
	Savings per Year		× 365	\$ 2.68 \$ 139.82
	S	Savings per Week		
	Sav	rings per Shower	\$0.38307	

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
Savings per Family of 4 per Year	× 4 × 365	\$883.21
Savings per raining of 4 per real	^ 4 ^ 303	γ 003. 2.

CO2 Emissions Saved Hot Water Saved Investment Return
405 kg / year 55,933 litres / year 144% / year

Showerex Savings Per Shower

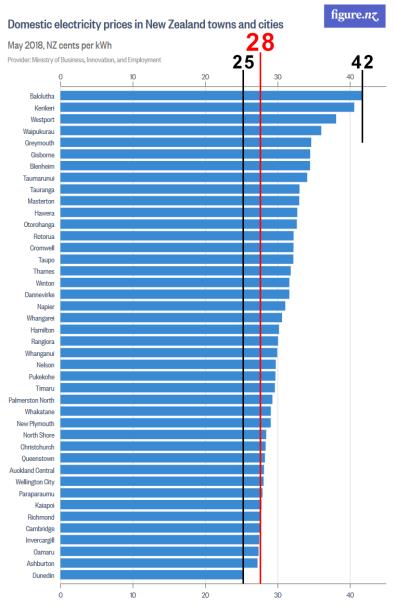
	6 L/m	10 L/m	15 L/m	20 L/m
Horizontal 900	\$ 0.11020	\$ 0.15897	\$ 0.20341	\$ 0.23084
Horizontal 1400	\$ 0.15036	\$ 0.24267	\$ 0.34081	\$ 0.42938
Vertical 900	\$ 0.15246	\$ 0.23810	\$ 0.28970	\$ 0.36741
Vertical 1400	\$ 0.24918	\$ 0.38307	\$ 0.47185	\$ 0.60494

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.



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