



Customer operating parameters	
Select multi residential configuration	7 Distributed hot water 3/4" line
Total number of dwellings going through DWHR units	6
Operating time per shower (minutes)	10
Frequency of shower per day (per dwelling)	4
Flow rate at shower head	7.6 lpm (2.0 gpm)
Water heater efficiency	80%
Select temperature units	F°
Temperature of drain water in F°	101
Temperature of cold water in F°	50

Model selection	Scenario 1	Scenario 2
Model selection	"TDH3335B"	TDH3400B Model eff. 46.4%
Number of units required per stack	Qty 1 unit per stack	
Unit or combined units nominal efficiency	42.1%	46.4%
Selected configuration efficiency	36.0%	39.4%
Calculations		
Energy recovered yearly	9910 kWh	10846 kWh
GJ recovered yearly****	29.7 GJ	32.5 GJ
Therms recovered yearly***	377.39 Therm	413.03 Therm
Gas volume recovered yearly**	953 m3	1043 m3

**1 kWh = 0.0962m3
 ***1m3 = 0.396 Therm
 ****1kWh = .003GJ

Disclaimer: All **energy savings** listed on this page are by their nature, theoretical. The calculations performed are an estimate of the potential savings under the given circumstances and should be considered as such. EcoInnovation or its associates cannot be held accountable for differences between theoretical and actual energy savings. All models shown are efficiency verified under CSA B55.1.