

Marathons compared to steel water heaters--Propane

Total Cost of producing hot water: Energy, Equipment and Installation

Years a steel water heater typically lasts (usually 10-12 years):

Price of Marathon water heater:

Price of Propane steel water heater:

Cost of delivery, installation, parts, code permits and disposal of old unit:

Average Energy Cost: Propane

Average Energy Cost: Electricity

Inputs

10	Years
\$700	Dollars
\$350	Dollars
\$250	Dollars
\$2.550	\$/GAL
\$0.100	\$/KWH

A Marathon Water Heater will save you.....

\$279.05 per year over using standard Propane water heaters.

	Marathon	Propane	
Model	MR50245	42V50-40	
Energy Factor	0.94	0.58	(2004 NAECA II)

Est. Installed Price

	Marathon	Propane
Est. Price	\$700.00	\$350.00
Est. Installation	\$250.00	\$250.00
Est. Total	\$950.00	\$600.00

Est. energy cost over 10 years.

	Yearly Cost	# Years	TOTAL
Marathon	\$467.12	10	\$4,671.22
Propane	\$721.17	10	\$7,211.70
Energy Savings With Marathon:			\$2,540.48

Projected cost after 10 years of service.

	Marathon	Propane
Replacement price	na	\$600.00
Excess energy cost	na	\$2,540.48
Initial Investment	\$950.00	\$600.00
Total Cost	\$950.00	\$3,740.48

Estimated Savings

Over steel heaters: \$2,790.48

Avg. Yearly Savings: **\$279.05**

ANNUAL OPERATING COST

Marathon™ vs. Conventional Water Heaters

Electric Rate =

Natural Gas Rate =

Propane Rate =

Oil Rate=

Inputs	
\$ 0.100	Kwh
\$ 1.50	Therm
\$ 2.55	Gallon
\$ 3.23	Gallon

	Conventional Electric	Natural Gas	Propane	Oil	Marathon™
January	\$ 40.21	\$ 31.74	\$ 59.08	\$ 48.46	\$ 38.93
February	\$ 40.21	\$ 31.74	\$ 59.08	\$ 48.46	\$ 38.93
March	\$ 40.21	\$ 31.74	\$ 59.08	\$ 48.46	\$ 38.93
April	\$ 40.21	\$ 31.74	\$ 59.08	\$ 48.46	\$ 38.93
May	\$ 40.21	\$ 31.74	\$ 59.08	\$ 48.46	\$ 38.93
June	\$ 40.21	\$ 31.74	\$ 59.08	\$ 48.46	\$ 38.93
July	\$ 40.21	\$ 31.74	\$ 59.08	\$ 48.46	\$ 38.93
August	\$ 40.21	\$ 31.74	\$ 59.08	\$ 48.46	\$ 38.93
September	\$ 40.21	\$ 31.74	\$ 59.08	\$ 48.46	\$ 38.93
October	\$ 40.21	\$ 31.74	\$ 59.08	\$ 48.46	\$ 38.93
November	\$ 40.21	\$ 31.74	\$ 59.08	\$ 48.46	\$ 38.93
December	\$ 40.21	\$ 31.74	\$ 59.08	\$ 48.46	\$ 38.93
Annual cost:	\$ 482.52	\$ 380.88	\$ 708.95	\$ 581.47	\$ 467.12

Comparison based on a Marathon™ water heater versus conventional steel water heaters

- Standard electric water heater Energy Factor (50 gallon)
- Marathon™ water heater Energy Factor (50 Gallon)
- Natural Gas water heater Energy Factor (40 Gallon)
- Propane water heater Energy Factor (40 Gallon)
- Oil-fired water heater Energy Factor (32 Gallon)

0.91
0.94
0.59
0.59
0.60
Inputs

All calculations based on GAMA formulas and ratings