

# Eau Claire Energy Cooperative

## COMPARE ENERGY COSTS - ELECTRIC RESISTIVE HEAT TO FOSSIL FUELS HEATING COST COMPARISON

Resistive Electric Heat 100% Efficient price/kWh	Fuel Oil 80% efficient price/gallon	LP 92% efficient price/gallon	Natural Gas 92% efficient price/therm	Cost per Million BTU	
\$0.062	\$2.03	\$1.53	\$1.67	\$18.17	
\$0.064	\$2.10	\$1.58	\$1.73	\$18.75	
\$0.066	\$2.17	\$1.63	\$1.78	\$19.34	
\$0.068	\$2.23	\$1.68	\$1.83	\$19.92	
\$0.070	\$2.30	\$1.73	\$1.89	\$20.51	
\$0.072	\$2.36	\$1.78	\$1.94	\$21.10	
\$0.074	\$2.43	\$1.83	\$1.99	\$21.68	
\$0.076	\$2.49	\$1.87	\$2.05	\$22.27	* Off-Peak (Dual Fuel & Heat Storage) base rate
\$0.078	\$2.56	\$1.92	\$2.10	\$22.85	
\$0.080	\$2.63	\$1.97	\$2.16	\$23.44	Oct. - May billing periods
\$0.082	\$2.69	\$2.02	\$2.21	\$24.03	(after NWPA Rate Credit)
\$0.084	\$2.76	\$2.07	\$2.26	\$24.61	
\$0.086	\$2.82	\$2.12	\$2.32	\$25.20	
\$0.088	\$2.89	\$2.17	\$2.37	\$25.78	
\$0.090	\$2.95	\$2.22	\$2.43	\$26.37	
\$0.092	\$3.02	\$2.27	\$2.48	\$26.96	
\$0.094	\$3.08	\$2.32	\$2.53	\$27.54	
\$0.096	\$3.15	\$2.37	\$2.59	\$28.13	
\$0.098	\$3.22	\$2.42	\$2.64	\$28.71	
\$0.100	\$3.28	\$2.47	\$2.70	\$29.30	
\$0.102	\$3.35	\$2.52	\$2.75	\$29.89	
\$0.104	\$3.41	\$2.57	\$2.80	\$30.47	
\$0.106	\$3.48	\$2.61	\$2.86	\$31.06	
\$0.108	\$3.54	\$2.66	\$2.91	\$31.64	
\$0.110	\$3.61	\$2.71	\$2.97	\$32.23	* General Purpose base rate
\$0.112	\$3.68	\$2.76	\$3.02	\$32.82	Oct. - May billing periods
\$0.114	\$3.74	\$2.81	\$3.07	\$33.40	(after NWPA Rate Credit)
\$0.116	\$3.81	\$2.86	\$3.13	\$33.99	
\$0.118	\$3.87	\$2.91	\$3.18	\$34.57	
\$0.120	\$3.94	\$2.96	\$3.23	\$35.16	
\$0.122	\$4.00	\$3.01	\$3.29	\$35.75	
\$0.124	\$4.07	\$3.06	\$3.34	\$36.33	

Fuel	BTU Heat Content
Resistive Electric	3,413/kWh
Fuel Oil	140,000/gal
LP	91,500/gal
Natural Gas	100,000/therm

Example: If you are comparing resistive electric heat priced at \$0.076/kWh (7.6 cents/kWh), to a 92% efficient LP system, you would have to buy LP at \$1.87/gal., or less, to have as low an operating cost as the resistive electric heating system.

\* ECEC rates subject to change at any time

For more information on the NWPA Rate Credit go to [www.ecec.com](http://www.ecec.com) or call ECEC at 715-832-1603

