



UTILITY SAVINGS SOLUTIONS

ELECTRICITY - GAS - WATER

Test performed on two store locations in the Mid West - 4Q 2011 - Parent company owns over 6,000 locations in North America

Store 2313

Walk in cooler 5 Hp installed 5 oz

Tons	BTU/H	H per Yr	Cost/kWh	Cost of EA-21	Cost/Year	Reduction with EA-21	ROI YR	Savings Percentage
5	60000	8760	\$0.08	\$500.00	\$5,008.66	\$1,001.73	0.499135615	16.65%

Roof top A/C 2 stage 7.5 ton Installed 7.5 oz

Tons	BTU/H	H per Yr	Cost/kWh	Cost of EA-21	Cost/Year	Reduction with EA-21	ROI YR	Savings Percentage
7.5	90000	7200	\$0.08	\$750.00	\$6,175.06	\$2,037.77	0.368049494	24.80%

A/C split system 1.5 ton Installed 1.5 oz

Tons	BTU/H	H per Yr	Cost/kWh	Cost of EA-21	Cost/Year	Reduction with EA-21	ROI YR	Savings Percentage
1.5	18000	7200	\$0.08	\$150.00	\$1,235.01	\$407.55	0.368049494	24.78%

Deli Case 3/4 hp installed 3/4 oz

Tons	BTU/H	H per Yr	Cost/kWh	Cost of EA-21	Cost/Year	Reduction with EA-21	ROI YR	Savings Percentage
0.75	9000	8760	\$0.08	\$75.00	\$638.60	\$119.42	0.471030778	15.75%

Small cooler 1 hp installed 1 oz

Tons	BTU/H	H per Yr	Cost/kWh	Cost of EA-21	Cost/Year	Reduction with EA-21	ROI YR	Savings Percentage
1	12000	8760	\$0.08	\$100.00	\$851.47	\$103.03	0.970608876	10.79%

Manitowoc ice machine 5 Hp installed 5 oz

Tons	BTU/H	H per Yr	Cost/kWh	Cost of EA-21	Cost/Year	Reduction with EA-21	ROI YR	Savings Percentage
5	60000	8760	\$0.08	\$500.00	\$4,257.36	\$766.32	0.652464856	15.25%

Total EA-21 installed 20.75 oz
Total Cost \$2075

TOTAL COOLING COST	TOTAL SAVINGS est annual
\$18,166.17	\$4,435.83 24.42%

Store 6

Carrier rooftop unit 5 ton installed 5 oz.

Mod.# 48TFE006-A-511
Serial # 2306G40540

Tons	BTU/H	H per Yr	Cost/kWh	Cost of EA-21	Cost/Year	Reduction with EA-21	ROI YR	Savings Percentage
5	60000	7800	\$0.08	\$500.00	\$4,459.76	\$802.76	0.622852989	15.24%

Walk in cooler 5 ton installed 5 oz.

Tons	BTU/H	H per Yr	Cost/kWh	Cost of EA-21	Cost/Year	Reduction with EA-21	ROI YR	Savings Percentage
5	60000	8760	\$0.08	\$500.00	\$5,008.66	\$1,212.10	0.412508772	19.48%

Total EA-21 installed 10oz
Total Cost \$1000

TOTAL COOLING COST	TOTAL SAVINGS est Annual
\$9,468.42	\$2,014.85 21.28%

The calculation used to determine the savings above derived from the textbook HEAT TRANSFER, Seventh Edition, pages 10-14 McGraw-Hill, copyright 1990, by J. P. Holman. These calculations methods are recognized and accepted within the industry.