

Project Summary:

Project Type: Lighting Retrofit

Location: Baskinridge, NJ

Buildings: 1

Project Area: Kitchen

Scope of Work: Energy Audit and Assessment

Fellowship Village

Phase Two Lighting Summary:

Existing System	#	Proposed System	Wattage Reduction	Operating Hours/yr	Existing KWH/yr	Proposed KWH/yr	Existing Utility/yr	Proposed Utility/yr	Utility Savings/yr
1 by 4 4ft T8	91	IL7R40	103	5,840	43,728	21,682	\$6,121.85	\$3,035.42	\$3,086.43
PL 26 Watt (4 Pin)	350	PL 7W LEDs	43	5,008	146,138	35,768	\$20,459.32	\$5,007.53	\$15,451.79
PL 26 Watt (2 Pin)	75	PL 7W LEDs	43	1,073	31,315	7,665	\$4,384.14	\$1,073.04	\$3,311.10
PL 26 Watt (4 Pin)	50	PL 7W LEDs	43	572	16,701	4,088	\$2,338.21	\$572.29	\$1,765.92
GU24s 13W CFL	83	GU24s 7W LED	8	475	7,270	3,393	\$1,017.86	\$475.00	\$542.86

Once we make a formal assessment of the facility, it is easy to locate other sources of wasted energy; hence phase two of our implementation.

Total Project Cost	\$94,813.75
Total Combined Cost Savings	\$476,491.50
Net Savings / Total savings	80.10%
Monthly Utility Reduction	\$2,013.18
Monthly Maintenance Reduction	\$1,153.37
ROI Payback Period (years)	2.50
Cost of Doing Nothing	\$3,166.54
Annual ROI (%)	40%