



## Midnight Sun Council, Boy Scouts of America

**Auditor:** Nortech

**Audit date:** November 2014

The Midnight Sun Council is one of two Boy Scout Councils in Alaska. The organization has been serving youth in the Fairbanks area since 1960 and offers a number of programs, including scouting, venturing, learning for life, and exploring programs. The organization also lends space in its building to other nonprofits for meetings and trainings. In 2013, it had 1,115 traditional youth members; 8,485 Learning for Life youth members; and 604 registered adult leaders.

The Boy Scouts applied to participate in the pilot cohort and were admitted by the selection committee. Nortech conducted Level I and Level II building audits for \$5,596.

### Mission

To serve others by helping instill values in young people and, in other ways, to prepare them to make ethical choices during their lifetime in achieving their full potential.



### Building

**Size:** 6,600 ft<sup>2</sup>

### Fuel consumption

**Baseline annual fuel use:** 677 MBTU

Fuel oil #2 (3,971 gal / 548 MBTU)

Electricity (37,797 kWh / 129 MBTU)

**Baseline EUI:** 103 kBtu/ft<sup>2</sup>/yr

**Baseline Annual Energy Costs:** \$22,582

Fuel oil #2 (\$14,904)

Electricity (\$7,678)



### Audit recommendations (Completed retrofits in black)

Recommendation	Predicted costs	Actual cost	Contractor	Date completed	Notes
Ventilation					
1. Fix damper on air handling unit	\$10,000				
Lighting					
2. Upgrade fluorescent lighting to LED bulbs	\$5,792	Existing operating budget	Office staff	2015	Lighting was not replaced with LED bulbs, but with more efficient fluorescent bulbs. However, in new buildings at their camp site they are installing LED bulbs.
3. Replace exterior lighting with LED bulbs	\$2,393				
Heating/Cooling/Water		Existing operating budget			
4. Incorporate a night temperature setback with the programmable thermostat	\$100	Existing operating budget	Office staff	2015	There was already a programmable thermostat installed, it just needed to be programmed.
5. Install clock timer control on head-bolt heaters	\$550	N/A	Office staff	2015	
6. Place electric water heater and pump on a timer	\$220				
	Total: \$19,054				