

ENERGY MANAGEMENT PLAN

Solar Initiative - Athans Pool



GOALS & OBJECTIVES

- ▶ 15% reduction in water consumption by 2012.
- ▶ 20% reduction in corporate GHG emissions by 2011.

EXISTING UTILITY CONSUMPTION

- ▶ Electrical - 30 million Kwh/y
- ▶ Gas Energy - 65,000 Gj/y
- ▶ Water Consumption - 260,000 m³/y

- ▶ Total cost annually - 2.3 million

STRATEGIES

- ▶ Turn off equipment when not needed
- ▶ Post occupancy commissioning
- ▶ Education
- ▶ Communication/Demonstration
- ▶ Energy retrofits
- ▶ Stand alone initiatives
- ▶ Energy initiatives for new construction

COMPLETED PROJECTS

- ▶ New control strategies, Library, Cityhall
- ▶ Boiler replacements, Art Gallery, Firehall, Rutland Arena
- ▶ Lighting, PRC, RCMP
- ▶ Rutland Arena, New condenser/snow melt pit

FUTURE PROJECTS

- ▶ Solar hot water heating, Athans Pool
- ▶ Estimated cost - \$300,000
- ▶ GHG Reduction - 44 tonnes/yr
- ▶ Funding - Solar BC, Eco Energy, Terasen
- ▶ Annual savings - \$8400/yr
- ▶ 250 m² Solar array, 100 panels

ATHANS POOL

