

**Energy Conservation and Demand Management Plan**

St. Clair College is committed to being a responsible steward of energy consumption and reducing its Green House Gas footprint while still providing an environment that enhances a learning experience. To that end, St. Clair College is committed to implementing the following initiatives whenever possible within available resources.

1. **Implementation of ASHRAE standards for heating (70 F) and cooling (74 F)**

St. Clair College will operate within the parameters of the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE); heating temperatures will be set at Seventy (70) degrees Fahrenheit, cooling temperatures will be set at Seventy Four (74) degrees Fahrenheit during normal hours of operation. Exceptions to these parameters are activities that are governed by other standards, i.e. Vet. Tech.

1. **Light harvesting**

St. Clair College will implement light harvesting whenever new construction or renovations take place to capture natural sunlight whenever possible to reduce the amount of electricity consumed.

1. **Installation of motion/occupancy sensors (lighting)**

Motion/Occupancy sensors will be installed through renovations and new construction so that unoccupied spaces have lights automatically shut off.

1. **Occupancy sensors (heating/cooling)**

Whenever financially feasible and is practical, through renovations, system upgrades and new construction occupancy sensors will be installed so that unoccupied revert to night time setting temperatures, currently set at Sixty Six (66) degrees Fahrenheit for heating and Seventy Eight (78) degrees Fahrenheit for cooling.

1. **Retrofitting to LED lights**

During renovations, new construction and within the constraints of operating budgets, lighting retrofits will be to LED lighting in areas where other types of lighting are not required.

1. **Humidification/dehumidification (35-60%)**

During renovations and new construction, installation of systems for allowing humidification/dehumidification will be installed so that humidity levels can be controlled to provide for lower levels of humidity in the cooling season and higher levels of humidity in the heating season to add for occupant comfort.

1. **Scheduling of space**

Space use will be consolidated as much as possible to allow for blocks/floors to be operated at night time set back temperatures.