

Lighting

- De-lamping:** remove excess bulbs and fixtures
- Daylight Harvesting:** maximize the use of daylight by removing obstructions from daylight sources
- Retrofit:** Replace inefficient bulbs and fixtures with more energy efficient technologies
- Occupancy Sensors:** Install occupancy sensors in low use areas
- Task Lighting:** Replace or reduce energy intensive overhead lighting with smaller, directed task lighting
- Wall and Ceiling Colour:** Paint walls and ceiling bright colours to help reflect and maximize lighting
- Exit Signs:** Replace old inefficient exit signs with low energy use LED Signs or no energy use Reflective Signs

HVAC & Water

- Programmable Thermostats:** Install programmable thermostats and program to run only when areas are in use
- Lower Temperature:** Lower temperatures 1-2 Deg in the winter and increase temperatures 1-2 deg in summer
- Hot Water Heater:** Lower temperature on hot water heaters
- Hot Water On-Demand:** replace old inefficient Hot Water Heaters with Hot Water on Demand Heaters
- Water Pipes:** Insulate hot water pipes with approved insulating sleeves and jackets
- Vents and Fans:** Remove obstructions blocking vents and fans

Motors

- EE Motors:** replace motors at end of life with energy efficient models
- VFD's:** Install variable frequency drives or soft start drives on motors
- Right Sizing:** Ensure motors are right sized for application

Plug Loads

- Computers:** establish a daily computer shut down policy and utilize sleep modes
- Equipment:** purchase Energy Star certified office equipment when replacing old items
- Phantom Power:** unplug equipment when not in use or use power for quick shut off
- Timers:** install timers on office equipment to shut off and turn on at predefined times
- Vending Machines:** request energy efficient machines and/or install sensors to automatically control usage

Air Compressors

- Line Leaks:** identify line leaks during off hours and repair
- Right Size:** ensure compressor is probably sized for applications, reduce if possible
- Outside Air:** intake outside air for compression
- Audit:** schedule a full system audit to ensure system is optimized for performance
- Preventative Maintenance:** incorporate a system audit into preventative maintenance program
- PSI Setting:** optimize to application, reduce if possible
- Cleaning:** avoid using compressed air to clean, use manual sweeping and wiping instead

Building Envelope

- Window Film:** install thermal window film to reduce solar heat infiltration during summer months
- Dock Doors & Levellers:** seal dock doors and levelling devices, install curtains to retain temperature
- Caulking and Sealing:** seal all windows and door frames using weather stripping, caulking and sealants

Management

- Peak Demand:** perform peak shedding by staggering equipment start-up and installing timers to stagger usage
- Time of Use:** optimize operation schedules to take advantage of cheaper off peak rates
- Shut Down Procedures:** establish a separate shutdown procedure for weekdays, weekends and holidays
- Education/Awareness/Training:** modify employee behaviour through education, awareness and training
- Energy Management System:** develop an energy management system to maximize energy performance
- Energy Management Team:** establish an energy management team to elevate conservation initiatives
- Signage:** place signage in high use areas to encourage energy efficient behaviours
- Power Factor:** contact provider to ensure power factor is maximized
- Audit:** engage provider or third party to conduct a full energy audit of the facility
- Treasure Hunts:** perform energy treasure hunts to identify energy reduction opportunities