

CCSU Sustainability Guidelines

Sustainability measures including energy efficiency help fulfill the CCSU mission tenets of **maximizing available resources** and **providing safe and respectful learning environments**. The following guidelines must be followed and a record must be kept to document sustainability initiatives in these areas:

Project Planning: When planning for a maintenance project such as building renovations, sustainability and energy efficiency factors must be considered.

Energy Efficiency:

Independent Assessments – Independent audits should be accomplished at least once every five years to ensure the organization is taking appropriate steps with regard to energy efficiency.

Heating, Ventilation and Air Conditioning (HVAC) – HVAC in all buildings should be connected to a central Direct Digital Control (DDC) system for efficiency and monitoring. When repairing or replacing elements of the HVAC system, the organization should consider new technologies and products to improve energy efficiency and reduce costs.

Capacitor Banks – Install capacitor banks where feasible to maximize usable power.

Lighting – Replace fixtures and bulbs with more energy efficient products when feasible.

Windows – Replace windows with more energy efficient products when feasible and eliminate any single-pane windows.

Hot Water – To the extent possible, utilize the most energy efficient hot water systems.

Appliances – Maximize use of appliances.

Information Technology – Maximize use of energy efficient (e.g. EnergyStar) hardware and, where feasible, install automatic shutdown software on hardware.

Alternative Energy:

Solar – Monitor grant opportunities for installation of solar arrays especially at the larger schools (Educational Center and ADL) and strive to make an instructional connection for students.

Wind - Monitor grant opportunities for installation of solar arrays especially at the larger schools (Educational Center and ADL) and strive to make an instructional connection for students.

Dual Fuel – When feasible, install heating systems that allow for multiple fuel sources to be used (e.g. natural gas, oil, wood chips) and maximize use of the cheaper fuel.

Water & Drainage: To the extent possible, install fixtures and systems to conserve water and ensure that drainage regulations are adhered to.

Recycling & Compost Collection: Institute recycling and compost collection at all schools.

Emergency Power: Install emergency power at the Educational Center to provide for essential lighting and heating. When feasible, provide for the possibility of generators to be connected or installed at other schools.

Purchasing: Always strive to get the best possible deal on products and services. Ensure products are safe for use in schools.