



SOUTHEAST ISLAND SCHOOL DISTRICT

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Energy Management Plan

FY 2018

Southeast Island School District (SISD) is committed to improving district-wide energy performance. The Energy Management Plan includes key strategies to reduce energy consumption and save money. This plan outlines district procedures and guiding principles that relate to energy performance of SISD buildings.

The current version of the plan was developed by SISD staff members and included input from staff at all District sites. SISD has buildings at ten school sites (including two sites that are currently closed) and one maintenance shop. Building types include schools, gymnasiums, a maintenance shop, staff housing units, and greenhouses. This plan is supplemental to SISD Board Policy and Administrative Regulation 3511, Energy Conservation.

Desired Outcome/Purpose: Reduce energy use in the district in order to conserve natural resources and save money to support other district needs.

General

- The District will maintain accurate records of energy usage and will provide information on the goals and progress of the energy management program.
- The District will continue development of energy conservation efforts that proportionally reduce energy consumption in new and existing facilities and evaluate sustainable and renewable energy efficient technologies for incorporation into existing structures.
- The Principal and/or lead teacher will be accountable for energy management for his/her school.
- Every student and employee will be expected to contribute to energy efficiency in our district. Every person will be an "energy saver" as well as an "energy consumer."

Heating

- Acceptable heat settings for regular school days or workdays shall be 65 - 70 degrees Fahrenheit.
- On days when school is not in session or on non-workdays, the entire building shall be operated on a target heat setting of 60 degrees Fahrenheit.
- Arctic Entryway doors will remain closed during school and work hours.
- Normal heat and ventilation will be provided for scheduled activities and athletic contests. Only the area of the activity should be heated and ventilated.
- Biomass boilers will be installed to replace use of oil-fired boilers as much as possible.

Lighting

- All unnecessary lighting in unoccupied areas will be turned off.
- Classroom lights will be turned off when the last person exits the room.
- All lights will be turned off when students and staff leave school.
- When school is not in session, staff will turn on lights only in the areas in which they are working.
- Fluorescent and incandescent lights will be replaced with LED bulbs when bulbs burn out. Gyms will be retrofitted with LED lights.
- LED solar lighting will be used for exterior lighting where feasible to reduce electricity consumption and increase safety.
- Motion sensor lights will be used in restrooms when feasible to reduce electricity consumption associated with lights being left on when not in use.

Food Service

- Thermostats for hot water heaters that service kitchens will be set at 180 degrees Fahrenheit.
- Exhaust fans will be run only when necessary.
- Equipment will be energy efficient models when feasible.

Computers/Office Machines

- All computers, monitors, printers, copy machines, and other office machines will be turned off at the end of each school day or workday.
- Laminating machines will be turned off when not in use.

Education

- The Principal/lead teacher will encourage use of educational programs that correlate to energy use and conservation.
- Each school will have a class, group of students, or other individual(s) use testing meters to determine the energy use of each appliance/piece of equipment in an effort to raise awareness and to help identify when items are using more energy than should be used.
- Staff and students will be encouraged to wear seasonally appropriate clothing.

Other

- The custodian will be responsible for the complete and total shutdown of the facility when closed each evening.
- Thermostats for hot water heaters will be set so water temperature at all sinks will not exceed 120 degrees Fahrenheit.
- When appliances reach the end of their service life, they will be replaced with energy efficient models. On-demand water heaters will replace inefficient electric and/or oil water heaters where feasible.
- Broken windows, deteriorated door seals, and any identified air leaks are to be corrected as soon as possible.
- Staff will be instructed not to block ventilation ducts or return grilles with furniture, posters, books, charts, plants, or any other objects or materials.