

ENERGY CONSERVATION TECHNICIAN

DISTINGUISHING FEATURES OF THE CLASS: The work involves surveying the energy usage of heating, ventilating, air conditioning, and electrical systems in school buildings and providing consultation to school officials and employees concerning methods and techniques to use in optimizing energy savings. The work is carried out under the supervision of the Director of Energy Management of the local BOCES. An Energy Conservation Technician does related work as required.

TYPICAL WORK ACTIVITIES:

- Calibrates thermostats in school for day and night settings;
- Conducts surveys of electrical lighting in schools, preparing charts depicting levels of light and gathering information on location and functions of switches, fixtures, and lamps in order to develop recommendations to conserve energy while meeting minimal lighting requirements;
- Conducts testing of boilers to determine efficiency and ascertain stack temperatures and percentages of presence of gases;
- Records room temperatures to develop information for resolving heating and energy problems;
- Confers with school custodial personnel regarding methods of implementing a variety of energy savings measures;
- Performs and recommends preventive maintenance on a variety of school heating, ventilating, and electrical systems;
- Prepares and maintains a variety of records related to the work.

FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES, AND PERSONAL CHARACTERISTICS: Good knowledge of building heating, ventilating, and electrical systems; working knowledge of the methods, techniques, and instruments utilized in monitoring, measuring, and evaluating building energy usage; ability to read blueprints and specifications; ability to analyze and solve energy utilization problems; resourcefulness; mechanical aptitude; physical condition commensurate with the demands of the position.

MINIMUM QUALIFICATIONS:

- A.) Graduation from a regionally accredited or New York State registered college or university with at least an Associate's degree in mechanical engineering technology or a related field;

OR

- B.) Two years of paid experience, which involved responsibility for the operation, maintenance, and repair of building heating, ventilating, and electrical systems.

CATTARAUGUS COUNTY CIVIL SERVICE COMMISSION

Adopted: 8/22/84