

Serves as the Engineering Division subject matter expert on energy modeling, life cycle cost analysis (LCCA), commissioning, energy management and operations programs, renewable and alternate energy sources, facility energy design, and infrastructure power utilities systems. Manages and implements the District and Army energy program with the goal of developing policy and efficiencies to reduce the Army's energy cost, and to support stewardship of resources, readiness, and sustainability. Advises design teams, installations and other Federal agencies on ways to save energy and to evaluate the energy program.

1. Provides program management for the energy initiatives, acquisition and energy conservation functions developed and managed by the Savannah District. Incumbent serves as “Center of Expertise” as Savannah District’s Energy Conservation Manager with a Professional Engineer license. Incumbent serves as the Savannah District technical and programmatic expert representative to the HQ USACE Energy Manager and the ASA’s Energy Initiatives Office; as well as the Savannah District’s technical expert on energy conservation and alternate/renewable energy generation programs.

2. Performs engineering design of mechanical systems for military facilities such as plumbing, heating-ventilating-air-conditioning, refrigeration, fire protection, compressed air, central energy plants, underground heating and cooling distribution, gasoline/fuel oil dispensing and fueling; and elevators, traveling cranes, hoisting equipment, etc. Reviews preliminary and final plans, specifications, costs estimates and design analysis prepared by Architect-Engineer firms for completeness, accuracy, suitability and compliance with pertinent criteria.

2. Serves as technical authority for Savannah District on energy conservation utility and related to energy conservation. Performs liaison and coordination with the contracting officer, private sector developers, and public utility commission, HQ IMCOM, HQDA and other Federal Agencies. Provides technical advice to installations, the contracting officer, and Chief, Engineering on energy conservation and procurement matters. Through investigations, data gathering, and analyses, develops optimum techniques for development of alternate and renewable energy sources on a macro and micro level for Army installations and other federal agencies. Independently resolves difficult and controversial technical problems in all aspects of energy conservation and acquisition programs.

3. Directs and analyzes energy data and conducts surveys, audits, and special studies to optimize program efficiencies. Develops techniques and conducts energy surveys, audits, LCCA and feasibility reports to determine the nature of energy conservation measures necessary in new construction and major renovations in accordance with energy policy and regulations.