

MAJOR FUNCTION

This is highly responsible analytical, technical and administrative work developing and evaluating alternative and cutting edge carbon and non-carbon long term and near term power supply alternatives. An employee in this class performs a variety of technical, operational and economic analysis in investigating, planning and acquisition of alternative or cutting edge power supply alternatives. Work is performed under the general direction of the Manager–Electric System Integrated Planning. However, the employee is expected to exercise considerable independence, initiative and professional discretion in the performance of duties. Work is reviewed through conferences, reports, observations and results obtained.

ESSENTIAL AND OTHER IMPORTANT JOB DUTIES**Essential Duties**

Researches and identifies alternative carbon and non-carbon long term and near term power supply alternatives that can be considered for augmenting the City’s power supply portfolio. Investigates and determines the technical and commercial feasibility of such alternatives. Develops conceptual project implementation plans for the acquisition of alternative power supply alternatives in a manner that provides for reliable least cost impacts to the City’s electric utility customers. Determines business risk exposure and potential mitigation alternatives for recommended alternatives. Coordinates the review and documentation of interconnection agreements for customer alternative energy systems. Establishes and develops relationships with key participants in the alternative energy marketplace in order to capitalize on existing, potential and future market opportunities. Maintains awareness of advances in alternative power supply options. Maintains awareness of relevant energy markets, including carbon credits and taxes, renewable energy credits, white tags and others as developed in the market. Maintains awareness of legislative and regulatory initiatives that may have significant impact on the City of Tallahassee’s alternative energy resources. Represents the City at state, regional, and national levels in energy industry meetings, coalitions, and organizations related to alternative power supply options and other related areas. Maintains awareness of federal and state regulatory activities related to Renewable Portfolio Standards, Power Pools and regional power activities. Participates in and prepares/presents expert testimonies regarding alternative energy options. Conducts statistical analysis and benchmarking. Participates in the annual power supply planning activities to identify opportunities for integration of alternative power supply options that provide reliable and economic benefits to the City’s electric utility customers. Supervises professional and/or administrative staff as assigned by division manager. Makes recommendations or is responsible for the hire, promotion, transfer, discipline or dismissal of subordinate personnel and conducts employee evaluations.

Other Important Duties

Collaborates with Alternative Energy managers at other utilities on alternative energy options. Attends external and/or City sponsored development opportunities to increase general and specific knowledge base. Serves as the acting Manager–Electric System Integrated Planning. Performs related duties as required.

DESIRABLE QUALIFICATIONS**Knowledge, Abilities and Skills**

Thorough knowledge of the principles, practices and methods used in the electric utility industry, power generation and transmission operations. Thorough knowledge of the relationships and rules of power resource dispatching and transmission grid operations. Thorough knowledge of alternative energy production methods. Ability to analyze detail technical information to determine the technical feasibility of alternative power supply options. Ability to identify technical and commercial risks associated with alternative power supply options and the natural gas and electricity physical and

financial markets. Ability to prepare and present technical reports, and analyze data. Ability to communicate effectively, orally and in writing. Ability to establish and maintain effective working relationships as necessitated by the work. Highly developed skills in use of computers and associated programs and applications for technical and economic analysis necessary for successful job performance.

Minimum Training and Experience

Possession of a bachelor's degree in engineering or a related field and six years of professional experience in electric power generation, power supply planning, electric utility operations; or an equivalent combination of training and experience.

Necessary Special Requirement

Must obtain and maintain current required clearances that allow unrestricted access to critical facilities consistent with North American Electric Reliability Corporation (NERC), Federal Energy Regulatory Commission (FERC) and Florida Reliability Coordinating Council (FRCC) reliability standards, as a condition of continued employment in the position.

An employee assigned to the Purdom Power Plant, or who may be occasionally required to have unescorted access to the Port Facility portion of the Purdom Power Plant, (as determined by the General Manager-Electric and/or the Director of such employee's department), must obtain Transportation Workers Identification Credentials (TWIC) within 90-days of employment, and must maintain such credentials throughout his/her period of employment in that capacity, as a condition of continued employment.

Established: 09-06-14

Revised: 01-01-20