



## HUMAN RESOURCES DEPARTMENT

City of Burlington  
200 Church Street, Suite 102, Burlington, VT 05401

Voice (802) 865-7145

Fax (802) 864-1777

Vermont Relay 711 or 1-800-253-0191

### SENIOR OPERATIONS ENGINEER BURLINGTON ELECTRIC DEPARTMENT

**POSTING DATE:** January 26, 2016  
**RATE OF PAY:** \$81,485/yr - \$133,869/yr doe  
**CLASSIFICATION GRADE:** MF3  
**EXEMPT/NON-EXEMPT:** Exempt

**DEADLINE TO APPLY:** Open until filled

**UNION:** Non-union

**POSITION STATUS:** Regular Full Time

---

**General Purpose:** This position is responsible for the distribution system planning, operations reliability, and efficiency. This position plays a key role in the development and implementation of SCADA and Smart Grid applications, plus distributed generation.

**Essential Job Functions:**

- Oversee SCADA projects related to Outage Management System, Distribution Automation, and Smart Grid applications.
- Assist BED's Center of Innovation in the analysis, development, and design of Smart Grid applications located at customer premises (battery storage, appliance control, demand response, electric vehicles chargers).
- Perform distributed resources interconnection analysis to ensure the safe and reliable installation of renewable energy systems.
- Perform power flow analysis to assess the distribution system adequacy, identify future needs for system improvements, and improve system reliability.
- Conduct efficiency studies to optimize distribution system losses.
- Develop operating guidelines for the distribution system, for both normal operations and contingencies.
- Prepare the Transmission and Distribution Section in BED Integrated Resource Plan in accordance with planning requirements and good utility practices.
- Develop BED's policies regarding co-generation, system interconnections, voltage flicker, power quality, and other areas requiring his/her expertise.
- Oversee consultant designs and protection schemes for generating stations or distributed generation and their interface with BED's distribution system.
- Direct the investigation and resolution of customer complaints regarding voltage and power quality issues.
- Design overhead and underground capital distribution system construction and line extension projects.
- Perform short circuit and coordination studies to ensure proper operation of protective equipment.
- Provide settings for microprocessor, solid state, and electromechanical relays.
- Provide support and technical direction to field personnel and others.
- Provide engineering input to PSB dockets and expert testimony for ACT248 filings.

**Qualifications/Basic Job Requirements:**

- Bachelor of Science degree in Electrical Engineering, with a minimum of ten (10) years experience in Electrical Utility Engineering.
- Professional certification as a professional engineer (PE) by the State of Vermont.
- Experience with distribution system software CYME is required.
- Knowledge of National Electric Code (NEC) and National Electrical Safety Code (NESC) is required.
- Demonstrated communication skills required.
- Ability to work well with customers is essential.
- Ability to keep abreast of current technologies and procedures.
- Professional behavior that reflects excellent customer service and encourages working partnerships with internal (e.g. employee) and external (e.g. ratepayer) customers is required.
- Ability to obtain and maintain a valid Vermont driver's license required.
- Ability to attend evening meetings, as well as, travel to conferences, workshops or other professional meetings required.
- Ability to wear personal protective equipment such as gloves, safety glasses, hard hat, fire retardant overalls, etc. is required when working outside.
- Ability to frequently work outside where there is exposure to heat/cold or moisture, hazardous materials, energized wires/equipment, and traffic.
- Ability to actively support City diversity, equity, and cultural competency efforts within stated job responsibilities and work effectively across diverse cultures and constituencies.
- Demonstrated commitment to diversity, equity and inclusion as evidenced by ongoing training and professional development.
- Regular attendance is necessary and is essential to meeting the expectations of the job functions.
- Ability to understand and comply with City standards, safety rules and personnel policies.
- Ability to work long hours to accommodate workload or emergencies.
- Provide after-hours support to field personnel during critical outages.

---

The City of Burlington does not discriminate on the basis of race, color, national origin, sex, sexual orientation, religion, age or disability in employment or the provision of services. Submit CITY OF BURLINGTON APPLICATION, resume and cover letter to: Human Resources Department, 200 Church St., Suite 102, Burlington, VT 05401. Available in alternative formats for persons with disabilities. For disability access information, or to request an application, contact Human Resources at (802) 865-7145 or visit us at [www.burlingtonvt.gov/hr](http://www.burlingtonvt.gov/hr)

WOMEN, MINORITIES, AND PERSONS WITH DISABILITIES ARE HIGHLY ENCOURAGED TO APPLY.  
EOE.