Job Title	Senior Building Energy Researcher
PVN ID	VA-2207-004941
Category	Managerial and Professional
Location	OFFICE OF SR. UNIV DEAN FOR ACADEMIC AFFAIRS
Department	CUNY Building Performance Lab
Status	Full Time
Annual Salary	$75,000.00 - $85,000.00
Hour(s) a Week	35
Closing Date	Oct 04, 2022 (Or Until Filled)

General Description

Organizational Description:

CUNY Building Performance Lab (CUNY BPL) provides mission-critical support to the New York City's Department of Citywide Administrative Services' Division of Energy Management (DEM) and its client agencies for implementing New York City's ambitious climate and clean energy policies. CUNY BPL Training focuses on improving efficiency and optimizing of building operations through continuing education programs for facility managers, building operators, and energy professionals, internships for CUNY students, and building systems research and development. CUNY BPL staff have expertise in a wide range of areas related to building systems, operations and data, and the design process. This includes energy data analytics (monthly and real-time meter data), building energy modeling (EnergyPlus and others), measurement and verification (IPMVP and ASHRAE protocols), HVAC systems, building controls, data acquisition (via BAS or field equipment), and operational improvements via Pacific Northwest National Lab's Building Re-tuning protocol. The organization works collaboratively with industry professionals, other research institutions, the New York State Energy Research and Development Authority (NYSERDA), and several of the US DOE's National Labs; and is a participating member of the Center for Building Energy Smart Technologies (BEST), an Industry-University Cooperative Research Center funded by the National Science Foundation (NSF) (https://www.nsf.gov/awardsearch/showAward?AWD_ID=2113874) in city-scale building energy systems and informatics. CUNY BPL also runs an extensive internship program for CUNY students that provides real world experience and hands-on work in each of the organization's program areas.

General Description:

CUNY BPL is hiring a senior energy engineer to lead building system and building controls troubleshooting and optimization efforts. Job activities on the Building Re-tuning team are to support Building Operations Research and Training efforts, including some / all of the following:

- Develop and execute troubleshooting and optimization methodologies using Building Automation System

(BAS) data
- Create engineering methodologies for predicting energy savings associated with operational or controls changes, and manage efforts to develop the associated calculators
- Lead efforts to conduct site visits including building surveys, BAS assessments regarding building system controls conditions, and trend chart creation
- Curriculum development for building energy training, including materials for coaching building operators and energy managers regarding troubleshooting and energy optimization
- Manage related projects
- Teach and/or coach building operators and/or energy managers cutting edge ongoing commissioning techniques based on Pacific Northwest National Laboratory's Building Re-tuning methodology

These activities support clients in both the public and private sectors, especially in New York City, though they do sometimes go beyond.

Other Duties

Qualifications

Qualifications:

The ideal candidate will bring the following education, skills, and experience to this position:

- At least three years of experience with existing building systems in a design and/or commissioning capacity
- A strong understanding of commercial HVAC systems, including air systems, central heating and cooling plant, air and water distribution systems, sequences of operations, and controls
- Working knowledge of Building Automation Systems
- Ability to read and interpret mechanical and electrical schematics and drawings
- Familiarity with project management operations, including project planning, scope development, project tracking, and close-out
- Knowledge of energy costs and billing
- Strong written and verbal communication skills
- Proficiency in Microsoft Office suite and/or Google suite
- Certified Energy Manager (CEM); Certified Building Commissioning Professional (CBCP) or Existing Building Commissioning Professional (EBCP) credentials a plus
- Commitment to customer service and demonstrated ability to effectively manage multiple projects
- Familiarity with NYC energy codes a plus
- A bachelor's or master's degree in engineering (mechanical, energy, electrical, facilities), architecture, or

construction