

Job Title	Energy Management Engineer
PVN ID	VC-2503-006733
Category	Managerial and Professional
Location	OFFICE OF VC - FACILIT PLAN, CONSTRUC & MGMT
Department	
Status	Full Time
Annual Salary	\$90,000.00 - \$110,000.00
Hour(s) a Week	35
Closing Date	May 05, 2025 (Or Until Filled)

General Description

The City University of New York (CUNY) seeks a highly skilled Energy Management Engineer to drive energy efficiency, sustainability, and decarbonization initiatives across its 25 campuses. As a key member of the Engineering Group within the Office of Facilities Planning, Construction, and Management (FPCM), you will play a crucial role in a multi-year, multi-billion-dollar capital design and construction program to enhance campus infrastructure and optimize energy performance.

This position is ideal for a technical expert with a strong background in energy management, building systems, and sustainability best practices. Your primary responsibilities will include assessing existing infrastructure, identifying energy conservation opportunities, and implementing innovative solutions that align with local, state, and federal sustainability standards.

As an Energy Management Engineer, you will provide engineering expertise and project oversight for capital projects managed by FPCM in collaboration with CUNY, the Dormitory Authority of the State of New York (DASNY), the New York Power Authority (NYPA), and private landlords for leased spaces. Your work will directly support CUNY's commitment to reducing energy consumption, enhancing operational efficiency, and improving the environmental impact of its facilities.

Key Responsibilities

Energy & Sustainability Initiatives

- Assess and analyze existing building infrastructure to identify energy efficiency and sustainability improvements
- Develop and implement strategies to reduce energy consumption, enhance sustainability, and achieve carbon reduction goals
- Monitor and analyze campus energy consumption data, identifying trends and opportunities for efficiency improvements
- Recommend and oversee the integration of Building Automation Systems (BAS), renewable energy solutions, and energy-efficient technologies

- Guide CUNY campuses in implementing best practices for energy efficiency and decarbonization in capital projects
- Demonstrated experience in different renewable Energy technologies, including but not limited to solar energy, geothermal, energy storage, etc.
- Ability to research new innovative energy reduction technologies to implement at CUNY
- Maintain up-to-date knowledge of decarbonization implementations through membership in energy and sustainability organizations
- Serves as the in-house scientist of energy reduction technologies

Project Oversight & Engineering Expertise

- Provide engineering expertise for energy-related capital projects managed by FPCM, DASNY, NYPA, and private landlords
- Develop technical scopes of work for energy-related engineering and construction projects
- Review engineering analyses, design documents, and reports to ensure compliance with higher education facility standards and energy codes
- Establish and maintain HVAC (Heating, Ventilation, and Air Conditioning) standards for design, maintenance, and energy efficiency
- Ensure projects comply with local, state, and federal energy regulations and green building standards

Field Assessments & Reporting

- Conduct on-site energy audits, system evaluations, and field assessments to monitor building performance
- Track and report on project progress, budget adherence, and energy savings outcomes
- Identify risks and recommend mitigation strategies to improve project efficiency and performance
- Prepare progress reports and presentations for stakeholders and leadership

Innovation & Leadership

- Research and recommend emerging technologies to support CUNY's sustainability goals, including automation, energy efficiency, and renewable energy
- Represent the Director of Engineering in meetings, industry conferences, and sustainability initiatives
- Lead quality assurance reviews for construction projects, ensuring adherence to sustainability and energy efficiency goals
- Conduct diagnostics and troubleshooting for mechanical and HVAC systems to enhance energy performance

Other Duties

Qualifications

Minimum Qualifications:

- Bachelor's degree in Mechanical, Electrical, Civil, or Energy Engineering
- Minimum 5 years of experience in HVAC systems, energy management, and building system analysis

within large commercial or institutional facilities (50,000+ sq. ft.), with at least 3 years dedicated to energy management

- Proficiency in Computer-Aided Design (CAD) tools and Microsoft Office Suite

Preferred Qualifications:

- Master's degree in Mechanical, Electrical, Civil, or Energy Engineering
- New York State Professional Engineer (PE) license or Certified Energy Manager (CEM) certification
- Experience with higher education facilities, large-scale capital projects, and sustainability initiatives
- Knowledge of boilers, chillers, steam, hot water heating systems, and energy modeling software
- Familiarity with LEED certification, green building standards, and carbon reduction strategies
- Experience working on projects that align with New York State and/or New York City building and energy codes

Core Competencies

- Strong technical expertise in energy management, HVAC systems, and sustainability solutions
- Excellent problem-solving and analytical skills to optimize energy efficiency in complex building systems
- Ability to manage multiple projects simultaneously, ensuring timely and high-quality execution
- Strong written and verbal communication skills to effectively engage with stakeholders, leadership, and external agencies
- Highly organized, proactive, and adaptable in a fast-paced environment
- Ability to collaborate with government agencies, contractors, consultants, and campus stakeholders
- Deep understanding of capital and operational budgeting processes related to energy efficiency projects