

City of New York
DEPT OF CITYWIDE ADMIN SVCS
Job Posting Notice

Civil Service Title: ADMINISTRATIVE CONSTRUCTION PR	Level: M1
Title Code No: 82991	Salary: \$75,000.00/\$55,815.00-\$95,000.00 Frequency: ANNUAL
Business Title: Energy Project Engineer	Work Location: 1 Centre St., N.Y.
Division/Work Unit: Office of Energy Conservation	Number of Positions: 1
Job ID: 188200	Hours/Shift:

Job Description

The Department of Citywide Administrative Services Energy Management Line of Service (DEM) oversees the implementation of municipal building and operational energy programming and strategy for the achievement of the City's carbon emissions reduction goals, first established by the City's PlaNYC Energy Initiative and further developed in the Mayors One City, Built to Last plan. This implementation includes energy efficiency retrofits, improved operations and maintenance, clean distributed generation deployment, and upgrades to the City's vehicle fleet, streetlights, and wastewater treatment infrastructure. DEM also manages the purchase of electricity, natural gas and steam for City-owned and operated facilities, processing utility bills and developing the City's annual energy budgets for 80 agencies and more than 4,000 facilities.

The Department of Citywide Administrative Services (DCAS) seeks to hire an Energy Project Engineer to serve under DCAS Energy Managements Director of Clean Energy and Innovative Technologies for work under either the Clean Energy Program Manager or Program Manager of the Innovative Demonstrations for Energy Adaptability (IDEA) Program. The Energy Project Engineer will be responsible for the technical development and review of clean energy or innovative energy efficiency demonstration projects. The Energy Project Engineer will gather and analyze data for consideration of potential clean energy projects and determination of project feasibility, energy savings, and regulatory and review needs, and/or will be responsible for assessment of the performance of demonstration projects under the Innovative Demonstrations for Energy Adaptability (IDEA) program. Tasks may range from assessment of a roofs suitability for installation of solar photovoltaics (PV), to analysis of the change of a rooftop units energy usage following the installation of HVAC controls. Additional tasks will include, but are not limited to, coordination between City Agency Energy staff, project tracking, reporting, and procurement support. In these capacities, the Energy Project Engineer will be required to gather and analyze structural, electrical, and mechanical data in order to support and guide program development for achievement of the One City Built to Last goals.

Under the leadership of the Director of Clean Energy and Innovative Technologies, with guidance from Managers of either the Clean Energy Program or the IDEA Program, and with wide latitude and responsibility for the exercise of independent judgment and initiative, the Energy Project Engineer will:

- Assess buildings and technologies to enable the planning and development of new clean energy or innovative technologies projects;
- Track, analyze, and report on the performance of a wide range of clean energy or technology demonstration projects;
- Perform site visits to gather data required for clean energy or technology assessments;
- Make recommendations to the Clean Energy and Innovative Technologies Office and inform program strategy based on clean energy or technology assessments;
- Coordinate with other City agencies on for development of clean energy or innovative technology projects.

Minimum Qualification Requirements

At least six years of full-time satisfactory experience in construction management work on capital projects, each one of which must have had a dollar value of at least \$15,000, at least eighteen months of which must have been in a managerial or consultative capacity in an organization responsible for the management of construction; and a combination of the following, sufficient to equal a total of ten years of education and experience:

- a. Full-time satisfactory experience in construction inspection on capital projects, each one of which must have had a dollar value of at least \$15,000. One year of acceptable experience will be credited for each year of construction inspection experience up to a maximum of four years.

b. Full-time satisfactory experience in building construction as a journeyman in one or more of the skilled building construction trades. One year of acceptable experience will be credited for each year of journeyman experience up to a maximum of four years.

c. Education in an accredited college leading to a bachelor's degree in architecture, landscape architecture, or air pollution control, chemical, civil including structural and bridge design, electrical, mechanical, or sanitary engineering will be credited on the basis of 30 credits for one year of acceptable experience up to a maximum of four years.

A New York State license as a professional engineer or registered architect or a license as a professional engineer or registered architect from a state that has reciprocity with New York State may be substituted for the four years of education and experience described in "a", "b" and "c" above. However, all candidates must have at least six years of experience in construction management work described above, including at least eighteen months in a managerial or consultative capacity in an organization responsible for the management of construction.

License Requirements

Possession of a Motor Vehicle Driver License valid in the State of New York. Employees must maintain the license during their employment.

Preferred Skills

Masters degree in electrical, mechanical, or energy engineering or a closely related field;

Bachelor's degree from an accredited college in electrical, mechanical, or energy engineering or a closely related field, and three years of satisfactory full-time professional experience in one or a combination of the following: clean energy and energy efficiency project engineering and site assessments; clean energy and energy efficiency project and/or program performance evaluation, monitoring and verification; energy economics; or in a related area. Strong organizational, communication, and interpersonal skills.

Three to five years of experience assessing building electrical, structural and/or mechanical systems;

A strong understanding of energy efficiency and clean energy building technologies;

Experience reviewing clean energy designs;

Experience with cogeneration and solar project implementation;

Experience with energy cost, savings and greenhouse gas calculation methodology;

Familiarity with City of New York budget and contracting processes.

Additional Information

The selected candidate must also possess:

Demonstrated ability to assess building electrical, structural and/or mechanical systems;

Experience utilizing energy billing and performance and interval data in analyses;

Experience with solar photovoltaic projects, including review of solar PV designs and participation in assessment of site feasibility;

Familiarity with energy cost, savings and greenhouse gas calculation methodology;

Advanced Excel skills;

Strong strategic thinking and written and verbal communication skills;

Must be well-organized, detail-oriented and flexible to handle multiple responsibilities and deadlines simultaneously.

Residency Requirement

New York City Residency is not required for this position

To Apply

For current City employees please go to www.nyc.gov/ess and log into Employee Self Service. Job ID# 188200

NO PHONE CALLS, FAXES OR PERSONAL INQUIRIES PERMITTED. NOTE: ONLY THOSE CANDIDATES UNDER CONSIDERATION WILL BE CONTACTED.

Recruitment Contact

Posting Date: 04/01/2015

Post Until: 05/14/2015

The City of New York is an Equal Opportunity Employer