

# New York State Green Occupation Spotlight



## Stationary Engineers and Boiler Operators

### What do they do?

Stationary Engineers and Boiler Operators control and maintain equipment that is used to generate heat and/or electricity.

### General Description

#### On average, how many openings are there per year?

There are some 90 openings annually for stationary engineers and boiler operators.

#### What is a typical entry-level wage?

\$28.22 hourly, \$58,690 annually

#### How should I prepare for the job?

Stationary engineers and boiler operators require training in vocational schools, related on-the-job experience, or an associate degree.

#### What types of employers might hire me?

The majority of these jobs are in large institutional facilities, such as hospitals, educational facilities, public buildings, manufacturing facilities, shopping malls, and commercial office buildings. They tend to be located in heavily populated areas with large industrial and commercial establishments.

#### Where can I get training?\*

- CUNY Baruch College
- Hudson Valley Community College
- Onondaga Community College

\*See a more complete list of training providers at [www.greencareersny.com](http://www.greencareersny.com)

### Green Description



#### How many stationary engineers and boiler operators are involved in green business in New York State?

In Building Services over 2,700 green stationary engineers and boiler operators work at 690 businesses.

#### What do employers say about recruiting them?

17% of businesses in building services that hire green stationary engineers and boiler operators report having difficulty recruiting qualified workers for these jobs.

#### What kind of green activities would I do?

Almost all green stationary engineers and boiler operators are involved in green activities in operations, such as meter reading/reporting or performance monitoring. In addition over two-thirds these workers are involved in green maintenance activities (mostly involving indoor air quality). Only one-third are involved in other green activities, such as recycling.

#### How would I get the skills to do green projects?

Over two-thirds of companies (in building services) that hire stationary engineers and boiler makers require employees to acquire new or enhanced skills to perform a green job. The most common source of these skills is on-the-job training, followed by in-house training.

For more Information about this occupation go to:

- [www.onetonline.org/link/summary/51-8021.00](http://www.onetonline.org/link/summary/51-8021.00)
- [www.bls.gov/oco/ocos228.htm](http://www.bls.gov/oco/ocos228.htm)
- [www.nycareerzone.org/cz/profile.jsp?onetsoc=51-8021.00](http://www.nycareerzone.org/cz/profile.jsp?onetsoc=51-8021.00)

### Case Study

*Building owners and managers believe that stationary engineers and boiler operators (also known as operating engineers) are the key to greater energy efficiency in buildings.*

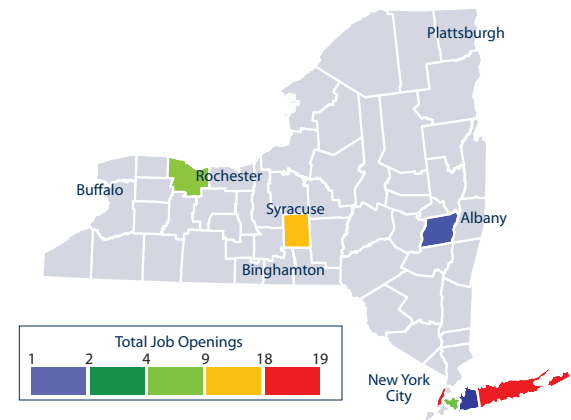
*There is a great deal of new technology, including sophisticated building management systems, that stationary engineers and boiler operators utilize to operate the stationary engines, boilers, and auxiliary equipment such as pumps, compressors, and air-conditioning equipment. This equipment supplies and maintains steam or heat for many large buildings, especially in an urban area such as New York City. Stationary engineers and boiler operators ensure that boilers are operating properly, and that equipment is operating efficiently and safely.*

*Employers are looking for people with good technical skills and good communication skills, who are also willing to change with the times.*

For more information about green jobs, go to:

- Green Careers NY: [www.greencareersny.com](http://www.greencareersny.com)
- Labor Statistics: [www.labor.ny.gov/stats/green](http://www.labor.ny.gov/stats/green)

### Job Ads for Stationary Engineers and Boiler Operators



Source: Geographic Solutions, ALMA®, 2nd Q 2011