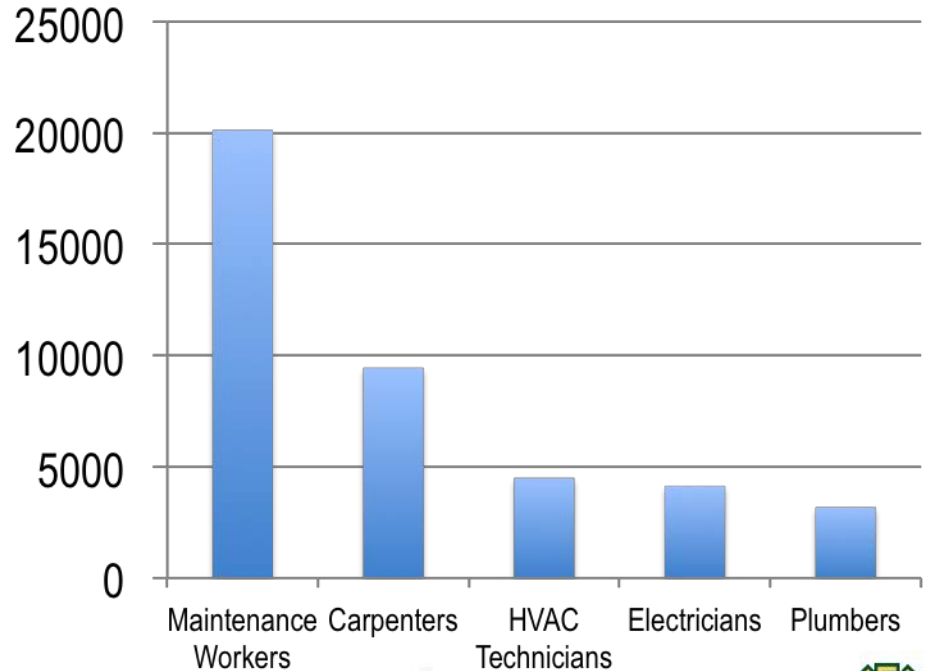


New York State Skilled Trade Gap

- Employers throughout New York State report they are facing labor shortages, as they attempt to hire skilled trade workers.
 - This is expected to worsen in the coming years due to retiring baby boomers (avg. construction worker age: 43), and the increasing demand for skilled labor (17% projected growth through 2024).
- We have a unique opportunity to help shape the construction workforce of tomorrow, and arm them with the knowledge skills and abilities needed to achieve the 80 X 50 target.

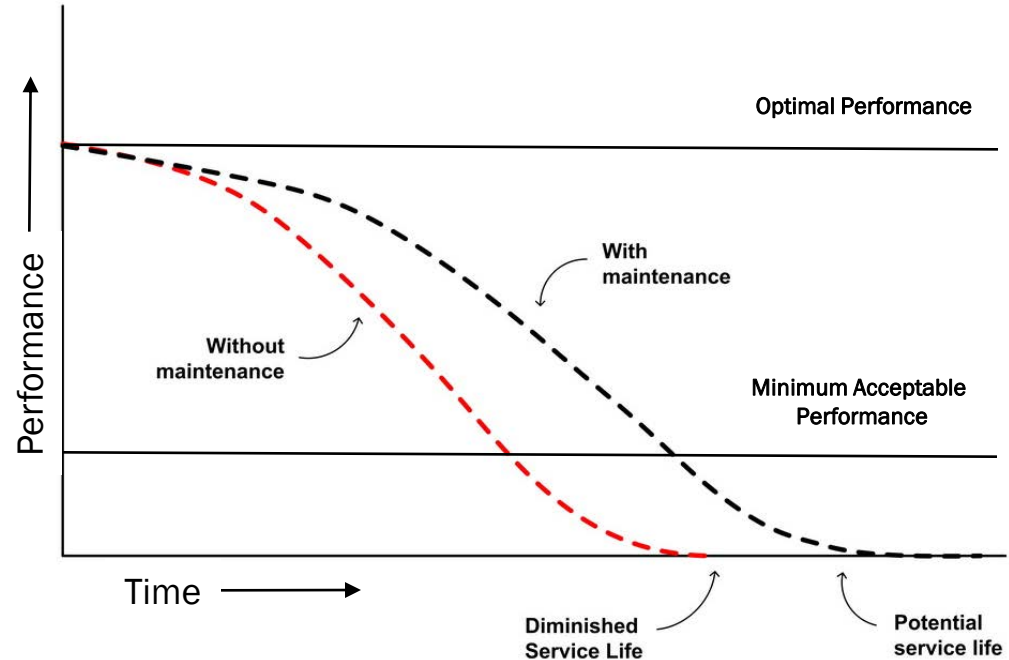
Skilled Trade Occupations with the Most Help Wanted Aids
New York State 7/1/15 to 6/30/16



Building Operations and Maintenance

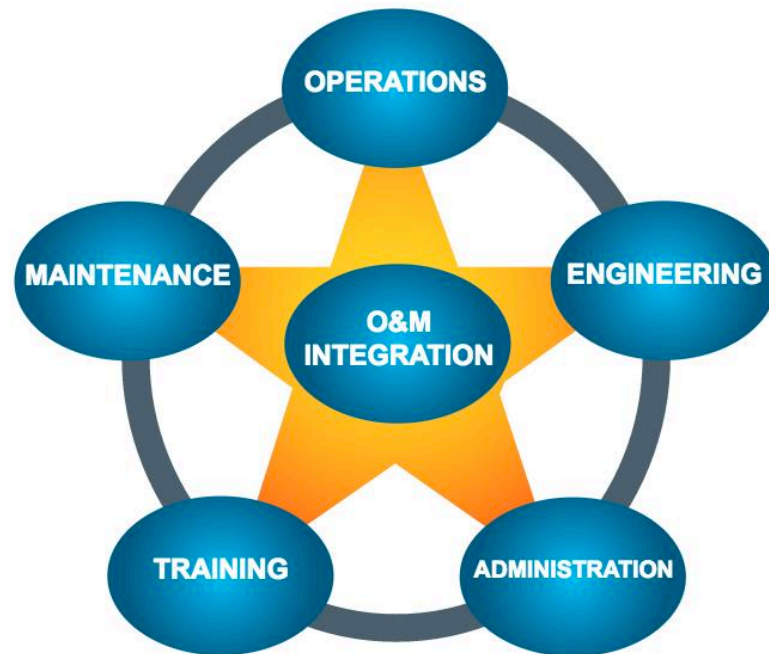
- Operations and maintenance has a profound impact on building energy consumption.
 - Building O&M staff make decisions daily, that directly affect the comfort and safety of residents and the building's energy use.
- Improving operations and maintenance strategies can yield 5% - 20% reduction in energy use without significant capital improvement.

Effect of Adequate and Timely Maintenance and Repairs



Building Operations and Maintenance

- In order to achieve and sustain optimal operational efficiency, the management structure must provide a framework for an integrated and holistic approach to building O&M.
- The variety of stakeholders involved in building operation must “buy-in” to this approach and provide the information and support needed to achieve success.
 - Empower the building operator by providing the tools and training needed to be successful.



Building Operator Training



Key Components of Successful Training Programs

- Developed and continually updated with industry stakeholder and subject matter expert feedback.
- Instructional delivery incorporating adult learning best practices.
- Third party certification.

Green O&M Training Hub

Whether you're a building owner, property manager, superintendent, or other building staff member, the NYC Retrofit Accelerator's Green O&M Training Hub will help you find trainings for operations and maintenance (O&M) staff that will best fit your needs. For more information about these courses, contact the [NYC Retrofit Accelerator](#).

To learn more about the **local organizations that provide training in NYC**, view our list of [training course providers](#).

For additional resources, view our list of [educational resources](#).

Click on the **training titles below** for descriptions of courses and links to NYC-area training providers.

Basic Green O&M Trainings

-  **NYC Retrofit Accelerator Hands-on Training**
NYC RETROFIT ACCELERATOR
-  **Green Professionals Operations & Maintenance Essentials**
URBAN GREEN COUNCIL | U.S. GREEN BUILDING COUNCIL
-  **NYC Building Operator Training**
CUNY BUILDING PERFORMANCE LAB | NYC SMALL BUSINESS SERVICES

More Rigorous Green O&M Trainings

-  **Buildings Performance Institute: Multifamily Building Operator**
BUILDING PERFORMANCE INSTITUTE
-  **Building Operations Certification I & II**
BUILDING OPERATIONS CERTIFICATION

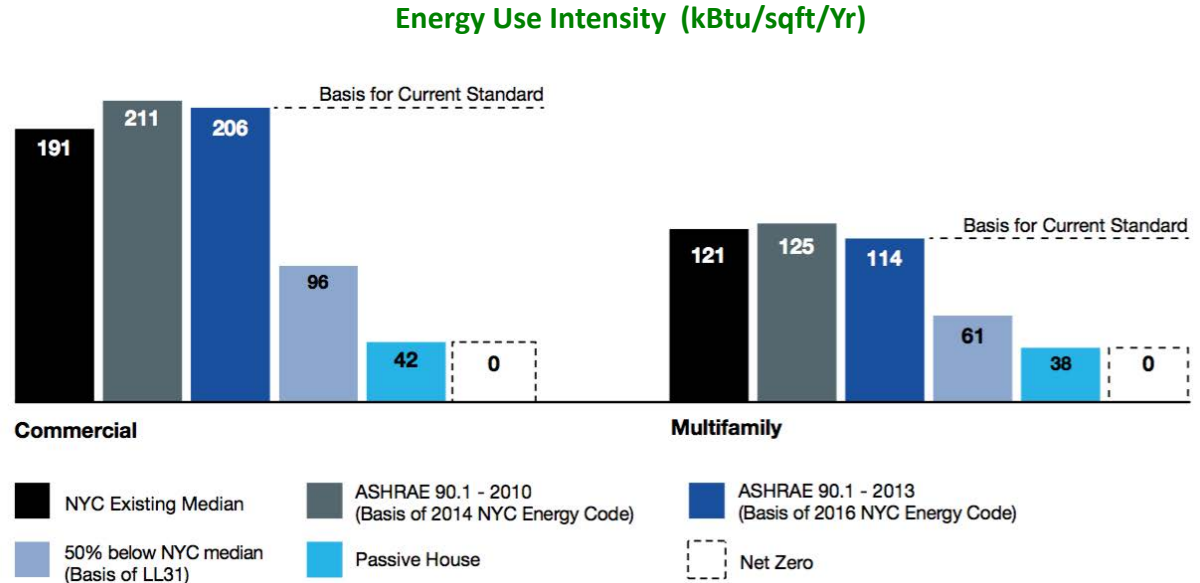


Deep Energy Retrofits

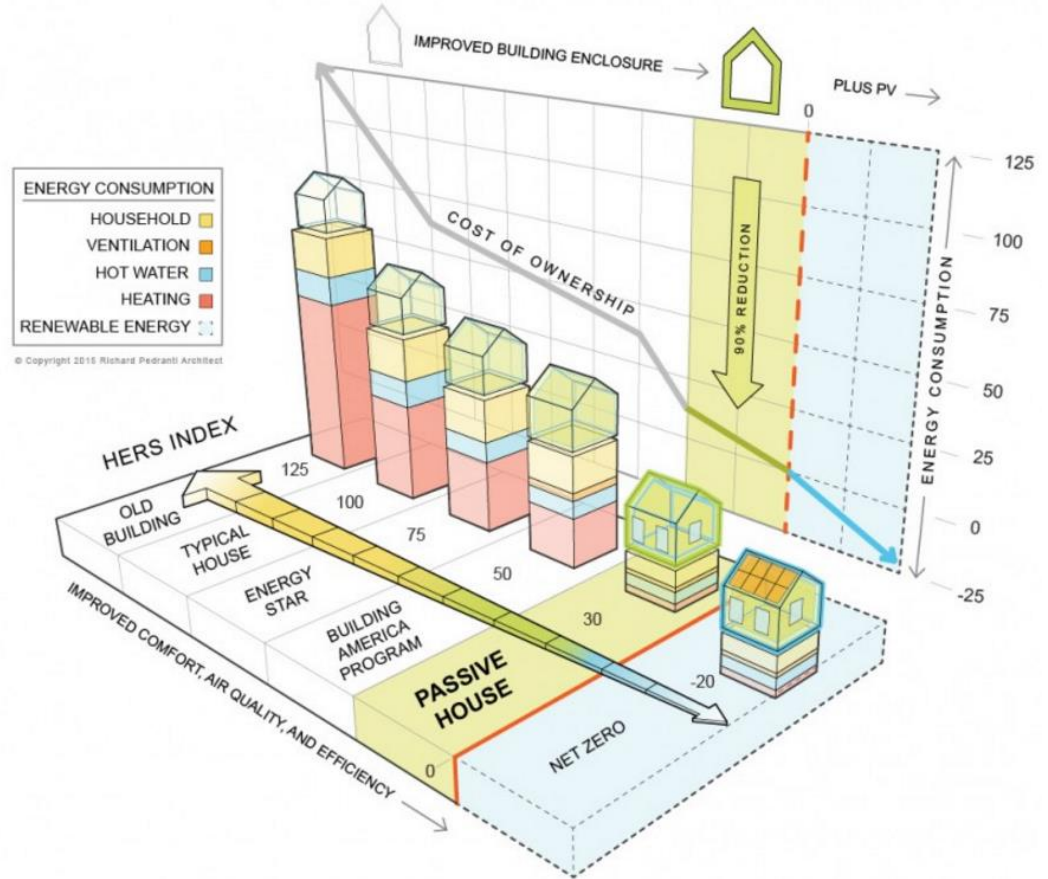
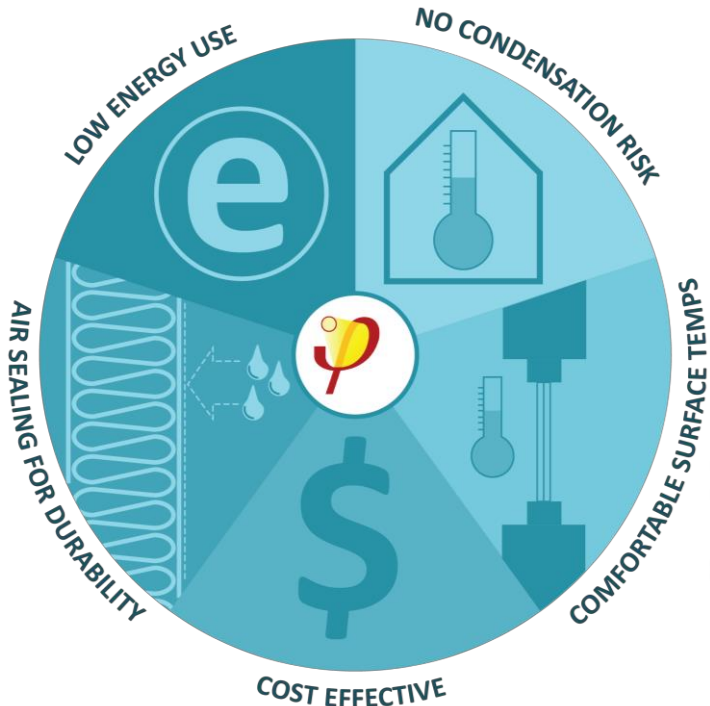
Deep energy retrofits can yield a 40% - 60% reduction in building energy consumption.

- For these retrofit strategies to be successful, a “fabric first” approach must be taken.

Implementing deep energy retrofits at scale will require significant education and training to prepare the industry for a paradigm shift.



Passive House



Passive House Deep Energy Retrofits



Passive House Tradesperson Training



Passive House Tradesperson Training

