



# 1 YEAR: 1,000 GREEN SUPERS

## A FREE TRAINING PROGRAM FOR ELIGIBLE MEMBERS

THE LOCAL 32BJ THOMAS SHORTMAN TRAINING FUND announces a green building initiative for superintendents, resident managers, and handypersons on green strategies that can help lower your building's operating costs.

- ☑ Learn to increase your building's efficiency by:
  - Reducing energy use
  - Improving HVAC system performance
  - Reducing water & domestic hot water usage
  - Improving indoor air quality
- ☑ Prepare for a changing world by learning about:
  - Energy benchmarking
  - Green cleaning
  - Cleaner fuels
  - Green standards and labels
- ☑ 40 hour program tailored to your needs
- ☑ Flexible scheduling is available, multiple class times and locations are offered, on-site training is an option
- ☑ Access to green coaches who will guide you as you make approved upgrades to your building
- ☑ Prepare for industry recognized certifications:
  - Building Performance Institute, Energy Efficient Building Operator
  - Urban Green Council (USGBC-NY), G-Pro Operations and Maintenance



### CONTACT US TODAY!

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**FUNDED THROUGH 2011**



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## PROGRAM CURRICULUM

The 40 hour course is comprised of the following 10 units plus certification tests:

1. **Building Science & Building Envelope** — Covers the fundamentals of building science and examines a 'whole-building' approach to operations and maintenance. Topics include air movement, heat transfer, and relative humidity. It also covers the core area of the building's envelope and explores ways to keep conditioned air from escaping to the outside environment. Topics include air barriers, vapor barriers, thermal barriers, air sealing, insulation, pressure boundaries, and compartmentalization.



2. **Lighting** — Covers all aspects of lighting. Topics include lighting types, quality, efficiency and controls. The unit also discusses appliance efficiency ratings.

3. **Heating, Ventilation & Air Conditioning (HVAC)** — Covers the essentials of running a building's heating, ventilation, and air conditioning system. Topics include combustion science, combustion efficiency, boilers, controls and distribution as well as efficiency strategies for each of these areas.



4. **Field Exercise (HVAC): Mechanical Room and Roof** — Onsite visit to a building's machine room and roof where instructors will teach supers how to perform steady state efficiency tests, maintain rooftop ventilation equipment, and apply efficiency strategies and best practices.

5. **Indoor Environmental Quality** — Covers the indoor atmosphere of a building. Topics include strategies to avoid and limit indoor pollutants, including tobacco smoke, mold, asbestos, toxic compounds, and pest control. Strategies include green cleaning, green purchasing, and more.



6. **Water Conservation** — Covers the essentials of water use and water conservation strategies. Topics include understanding water use, low flow appliances, leak detection, and leak repair.

7. **Field Exercise: Hallway, Lobby, Apartment** — Onsite exercise where supers learn how to inspect an apartment, evaluate hallways and common areas, and inspect the building's envelope.

8. **Utilities & Energy Benchmarking** — Covers measuring and managing energy use by understanding and working with utility bills (fuel, gas, electricity, and water). Topics include reading and understanding bills, energy benchmarking, recognizing unusual energy use (trends), and identifying opportunities for savings.



9. **Green Building Work Plan** — Students develop a basic action plan for improving their buildings based on concepts and strategies taught in earlier units. In addition, the class also discusses strategies and techniques to communicate effectively with building owners, tenants, and staff on your action plan, including payback and incentives for improvements.

10. **Review & Practice Exam** — A review and a practice test are given to help prepare for the BPI certification exam.



At the end of the training students have the option of taking the Building Performance Institute Energy Efficient Building Operator Certification exam.