



*The Center for Energy Efficiency and  
Building Science*

New York Energy \$mart<sup>SM</sup>  
Learning Centers

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*Building a Statewide Infrastructure for New  
York's ENERGY STAR® Programs*

Hudson Valley Community College

March 19, 2008



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# Contract Partners

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- New York State Energy Research and Development Authority (NYSERDA)  
New York Energy \$mart<sup>SM</sup> Programs
- Long Island Power Authority (LIPA)  
Energy Star<sup>®</sup> Residential Programs



**NYSERDA**

The logo for NYSERDA, consisting of the word "NYSERDA" in a bold, black, sans-serif font, with a yellow, stylized, curved graphic element below it.

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## CEEBS Contract Deliverables & Goals

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- Deliver Training and Provide Pathways for BPI Certification
- Develop Regional Learning Centers
- Revise and Maintain Curricula
- Develop New Curricula
- Develop Certificate and Credit Based Programs
- Develop Programs for Secondary Education
- Market Programs



# NYSERDA Energy \$mart<sup>SM</sup> Learning Centers

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## Current

- Association for Energy Affordability (NYC)
- Broome Community College (Binghamton)
- Bronx Community College (Bronx)
- Erie Community College (Buffalo)
- Hudson Valley Community College (Troy)
- Onondaga-Cortland-Madison BOCES (Syracuse)

Additional learning centers will be established during the two year initial contract period to provide a network of geographically distributed centers.



# LIPA Energy Star® Learning Centers

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## In Process

- SUNY @ Farmingdale
- Nassau Community College
- Suffolk Community College

Additional centers will be established during this contract period.



# Building Performance Training Courses Certificate Program

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- Building Analyst – 36 Instructional Hours  
A “Whole House” Performance-Based Approach  
24 Hours – Classroom Instruction  
12 Hours – Field Training
- Envelope Specialist – 30 Instructional Hours  
Advanced Building Envelope Diagnostic,  
Evaluation, and Upgrade Skills  
12 Hours – Classroom Instruction  
18 Hours – Field Training
- Heating Specialist – 35 Instructional Hours  
Advanced Heating System Diagnostic, Evaluation,  
and Repair Skills  
14 Hours – Classroom Instruction  
21 Hours – Field Training



# Building Performance Training Courses Certificate Program (Cont.)

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- Cooling Specialist – 16 Instructional Hours  
Designed for Experienced Heating Contractors.  
This course is also know as Air Conditioning and  
Heat Pump Specialist  
16 Hours – Classroom / Field Training

These courses may be taken individually for BPI Certification or as the entire curriculum towards a College Certificate (In Process for Fall 2008).



# Individual Courses

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- Home Energy Rating System (HERS)  
HERS Rater training builds on the Building Analyst course to prepare students for the Northeast HERS Alliance exam for HERS Rater Certification – (3 days – Prerequisite of BA Training or BPI BA Cert.)
- Home Performance Contractor Sales and Marketing Workshop  
Specially designed for contractors participating in the Home Performance with Energy Star program – (1 day - 8 Hours with an Optional 1 Hour Session)
- Multi-Family Building Analyst  
Provides the necessary understanding of building performance analysis and energy audit principles – (5 days)



## Individual Courses (Cont.)

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- Multi-Family Building Operator  
Trains Multi-Family building operators to proactively predict and prevent building problems rather than just react to them – (5 days)
- Hydronic Heating System Design  
Includes basics, types of systems, combustions science, principles of thermodynamics and energy management systems



# Courses to be Developed

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- Multi-Family Building New Construction Modeler
- Multi-Family Building Energy Star Verifier
- Photovoltaic Electric Systems
- Small Wind Systems
- Specific Product Installation



## Consulting Partners

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- Association for Energy Affordability  
Bronx, NY
- Conservation Services Group  
Westborough, MA
- Energy Training Solutions  
Cazenovia, NY
- TeamWorks  
Saratoga Springs, NY



# Current Partners

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- Building Performance Institute (BPI)
- Geothermal National & International Initiative, Inc. (Geo-NII)
- New York State Weatherization Directors Assoc. (NYSWDA)
- New York State Builders Assoc. (NYSBA)



# Personnel

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- Richard Bennett III  
Director: Continuing Education & Workforce Development
- Doug Baldrey, Program Coordinator
- Paula Hayes, Program Director
- Asher Pauli, Assistant Director
- Joseph Miuccio, Lead Trainer
- Brooke Teiper, Secretary
- Jim Constanza, Site Coordinator





## For More Information and Registration, Contact Us:

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