

I. Center for Energy Efficiency and Building Science (CEEBS) at Hudson Valley Community College

- Established December, 2006 – Contract NYSERDA (\$2,213,887)
- Infrastructure:
 - HVCC – Lead agency (Troy, NY)
 - Ten Energy Smart Learning Centers:
 - Hudson Valley Community College
 - Broome Community College
 - Bronx Community College
 - Erie Community College
 - Fulton-Montgomery Community College
 - Onondaga Community College
 - Westchester Community College
 - SUNY College at Canton
 - Association for Energy Affordability (AEA)
 - Onondaga-Cortland-Madison BOCES
- Partner with Building Performance Institute (BPI)
 - Develops standards and provides BPI Certification courses

II. Curricula

- Residential
 - Building Analyst (revised)
 - Envelope Professional
 - Heating Professional (revised)
 - Cooling Professional (revised)
 - Home Performance (Sales and Marketing)
 - Home Energy Rating System Rater
- Multifamily
 - Building Auditor
 - Energy Efficient Building Operator
 - Hydronic Heating Design Specialist
- On-line – 15 hour – Building Science course
- One year certificate program – Green Building Technology

III. Workforce Development

- Existing workforce
 - 2008 will train approximately 800 employees
- Emerging workforce
 - A. Two year college programs in Construction Technology and HVAC

- Embed Building Analyst curriculum into existing credit courses
- Establish credit course in BA and Heating/Cooling Professional at Hudson Valley Community College
- Develop credit courses at Onondaga Community College
- 15 hour on-line Building Science course (F 2008)
- 1 year Green Building Tech. certificate program at Hudson Valley Community College (Civil Tech. Department)
- CEEBS currently supports BPI Certification costs for BPI Written and Field exams for students taking the embedded course materials in BA and Heating/Cooling Professional

B. BOCES – 11th and 12th grade students

- Embedded BA course material in the 11th and 12th grade Construction Trades courses
- Currently in development at Orleans-Niagara BOCES and Capital District BOCES, with plans for Washington-Warren-Saratoga et al BOCES and a fourth BOCES to be selected
- 12th grade support for BPI certification for selected students

C. SUNY Educational Opportunity Centers

- SUNY Center for Workforce and Academic Development
- Undersized population
- Building Science 15 hour intro. Course (on-line) and classroom
- Building Analyst in Construction Skills program
- Career Ladder to participating Community College programs (Construction)

IV. Energy Smart Learning Centers/BOCES/EOC

- Highly leveraged
- Trained faculty
- Existing laboratory facilities
- Existing workforce development group with existing marketing budgets
- Sustainable financial situations

V. Futuring

- Marketing
- Streamlined course presentation and certification process – existing workforce

- This program is personnel driven and as such requires additional personnel to achieve growth and impact potential.
- More trained/certified instructors.
- Additional support for Learning Centers during the build-up stages.
- Program for industry support.
- Student internships.
- The current infrastructure is working and is highly leveraged.
- How big?? – How big do we want this L.C. network to grow? – The infrastructure is there, courses are developed. The need is overwhelming. NYSERDA, HVCC, NYS, and appropriate stakeholders need to decide how much training do we want? –

Doug Baldrey (CEEBS)
d.baldrey@hvcc.edu
(518) 817-5287 (cell)
(518) 629-4690 (office)