



New Opportunities for Disadvantaged Workers in the New York Green Energy Economy

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Biography

- *Kim Lenihan is a Senior Project Manager with the New York State Energy Research and Development Authority (NYSERDA), and is responsible for energy efficiency technology training and workforce development programs. Kim joined NYSERDA in 2002, after 20 years in industrial process control, total quality management, and training and education. Kim has a B.S. Chemical Engineering from University of Louisville, and an MBA from Union College.*
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NYSERDA

- ❑ NYSERDA is a public benefit corporation established in 1975
 - ❑ Mission - Advance innovative energy solutions in ways that improve New York's economy and environment. NYSERDA's vision is to serve as a catalyst – advancing energy innovation and technology, transforming New York's economy, **empowering people** to choose clean and efficient energy as part of their everyday lives.
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Outline

- NYS Legislation and Policy
- Funding Landscape
- Workforce Development Program Structure
- Best Practices in Provider Partnerships
- Program Challenges
- Success Stories

NYS Legislation and Policy

- ❑ System Benefits Charge (SBC) - \$175M/yr
- ❑ Renewable Portfolio Standard (RPS) - \$98M
- ❑ Energy Efficiency Portfolio Standard (EEPS) - \$172M
- ❑ Green Jobs-Green New York Act (GJGNY) - \$112M



NYS Funding Landscape

☐ NYSERDA Funding

- \$8M GJ-GNY
- \$6.6M EEPS

☐ OTDA and NYSDOL

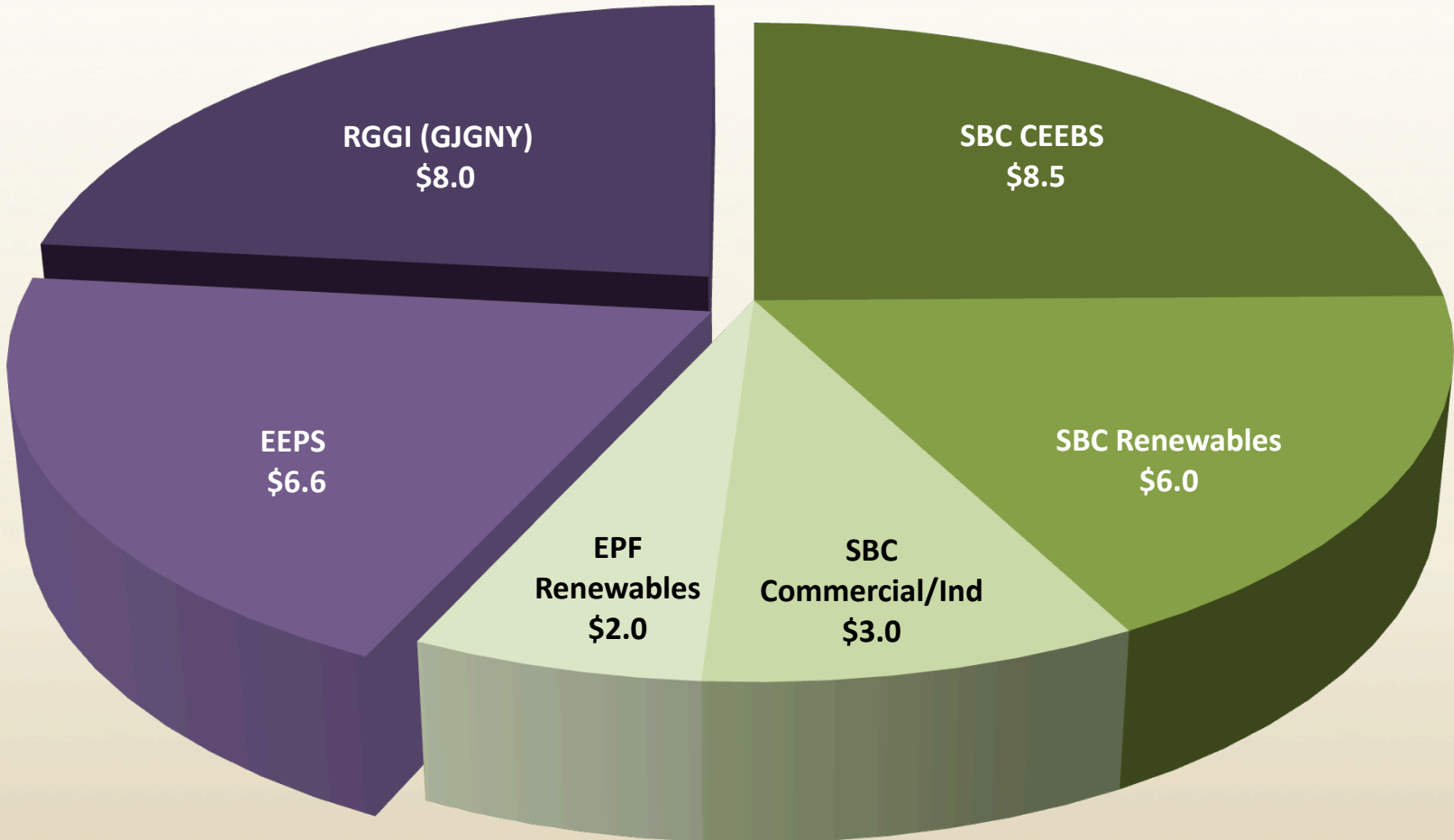
- \$15M Emerging/
Transitional Worker
- \$5M Disconnected Youth
- \$17.5M Career Pathways
- \$7M Green Jobs Training

☐ Federal Funding for NYS

- \$123M State Energy Program (SEP)
- \$500M Weatherization Assistance Program (WAP)
- \$175M Energy Efficiency Conservation Block Grants (EECBG)
- \$19M USDOL Energy Training Partnership
- \$20.44M USDOL Pathways Out of Poverty

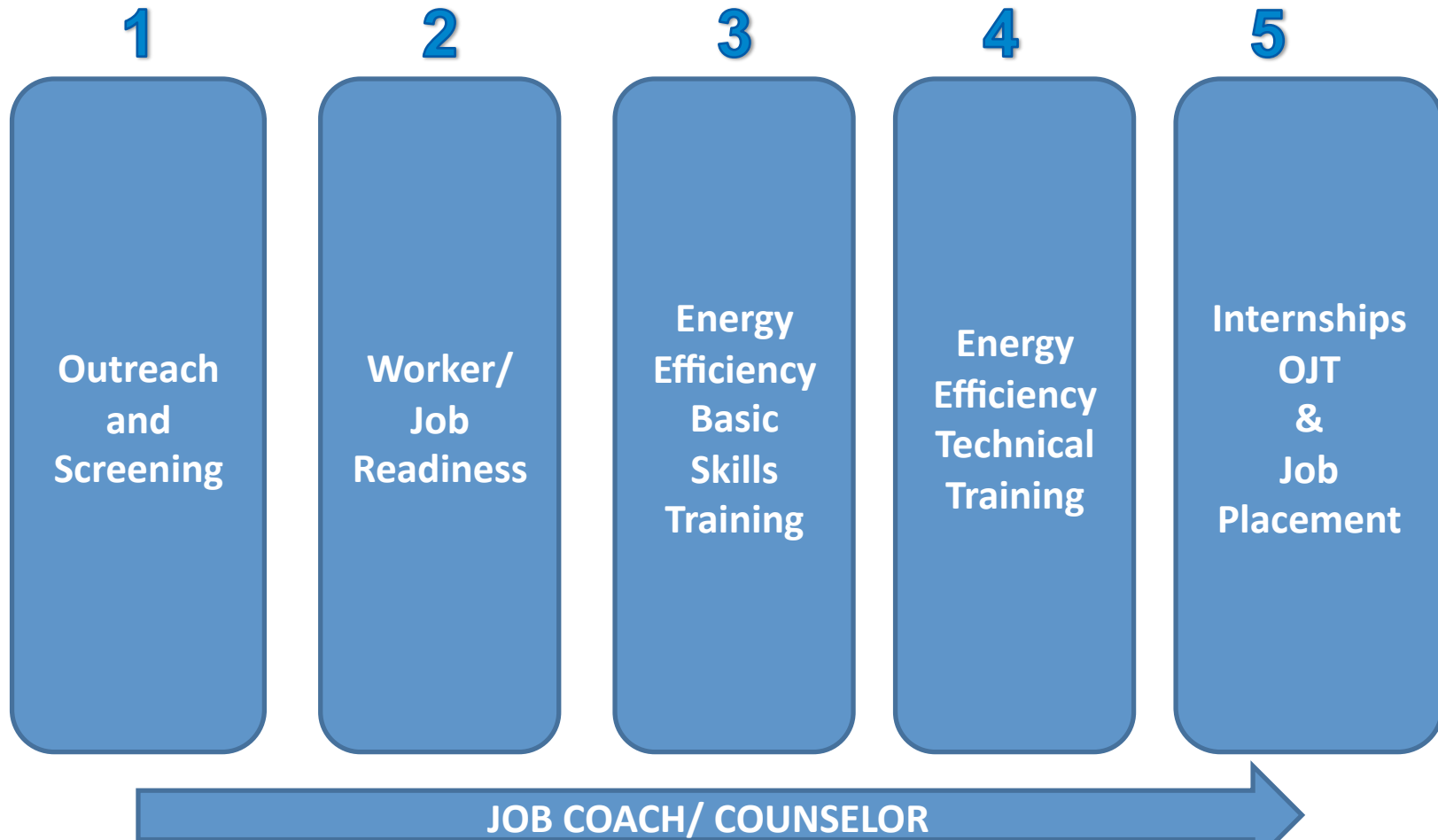
Workforce Training Funds

\$ Millions

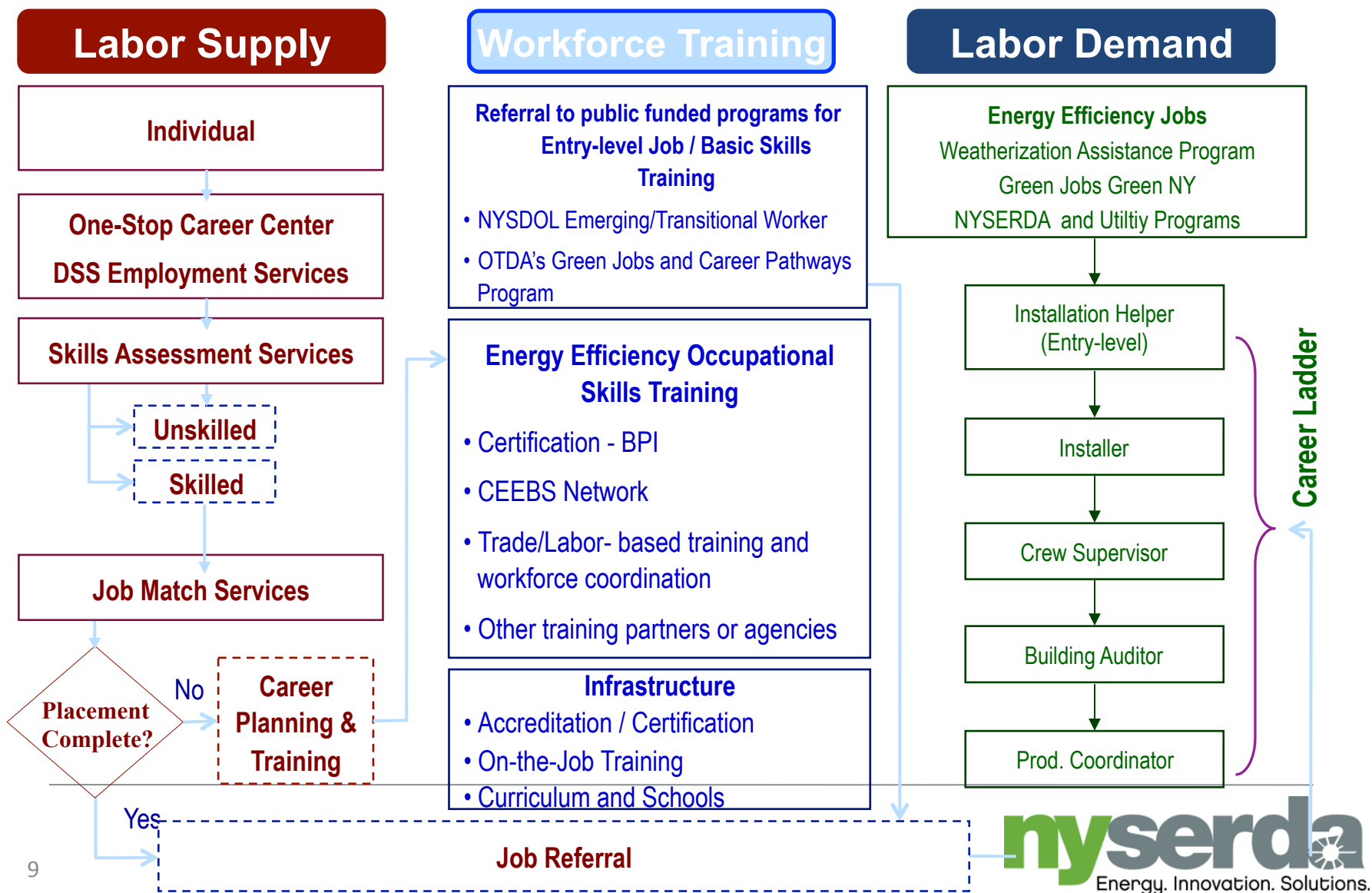


Total Funding 2006-2012: \$34.1 million
2006-2009 Funding: \$19.5 million
2010-2012 Funding: \$14.6 million

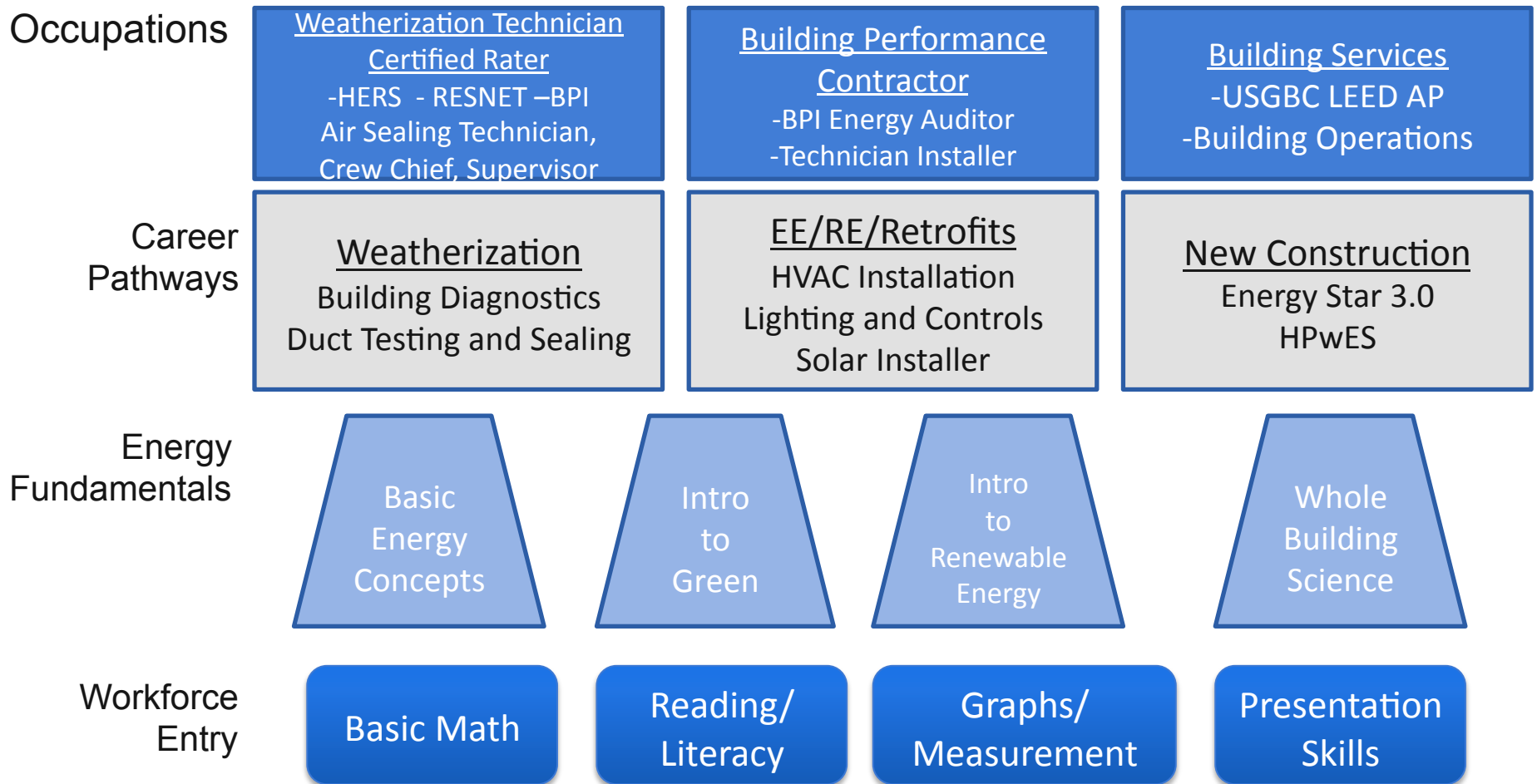
WFD Program Structure



Workforce Development and Training



Workforce Development and Training



EE Market – What regional occupations?

- Air-sealing and Insulation Installers**
- Building Performance Retrofit Specialists**
- Energy Auditors/Home Raters**
- Resource Conservation or Energy Efficiency Managers**
- Project Managers**
- Building Controls Technicians**
- HVAC Technicians and Installers**
- Compliance Analysts**
- Education Providers**
 - Technical/Vocational
 - Community Colleges
 - Union Training Centers
 - Industry Training Professional CEU
 - Mfg/Vendor/Employer training
- Typical Certifications:**
 - Building Performance Institute (BPI)
 - North American Technician Excellence (NATE)
 - HVAC Excellence
 - HERS

Best Practice: Partnerships

- ❑ Osborne Association, Mason Tenders, AEA (Bronx)
 - Basic Construction Skills
 - Building Science Training and Credential through LIUNA
 - On-the-Job Experience with AEA
- ❑ Capital Region BOCES and Schenectady CC
 - Basic Math at SCC
 - HVAC Excellence at Capital Region BOCES
- ❑ Northeast Parent and Child Society and HVCC
 - Intro to Building Science

Articulation agreements between Community College/BOCES and WIBs and between Basic Skills and Technical Training providers help to connect students to training.

Program Successes

- Contracts with new Training Partners: 30
- Targeted Enrollment : 8800
- Number of Course/Modules Scheduled: 300
- Completed Course/Modules: 50
- Completed National Credentials: 300
- Placed into Internships: 30
- Placed into Employment: 20 (just beginning)

Program Challenges

- Outreach and screening to determine fit
- Articulation Agreements between training organizations can take time
- Building infrastructure requires careful detail in contracting
- Employer commitment to hire requires leap of faith

Student Success Stories:

Chris Patak



- ❑ 2006 Graduate of Ulster BOCES Photovoltaic Practitioner Institute
- ❑ NABCEP Entry Level Certificate of Knowledge: June 2006
- ❑ NYSEIA Internship Program: Solar Energy Systems
- ❑ Employment: Solar Energy Systems
- ❑ Today, Chris is a NYSERDA Eligible Installer

Student Success Stories: Mark Bomba



- Laid off due to business decline after 911
- Attended HVCC for PV installation
- Employed with Alteris Renewables as a top PV sales rep.

Student Success Stories: Ebony Davenport



- ❑ Single mother of four, formerly receiving welfare to support her family
- ❑ Attended worker readiness and green jobs training
- ❑ Now employed in marketing at Rise Engineering and supporting her family

Thank You

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☐ www.hvcc.edu/ceeb

☐ www.getenergysmart.org/GreenJobs/

☐ www.nyserda.org