Session II:

Clean Energy Curriculum, Certification and Credentials

Facilitator: Kim Lenihan, NYSERDA

Panelists: John Jones, Building Performance Institute; Roy Butler, Four Winds Renewable Energy; Dr. Craig Clark, Alfred State College; Pat Malone, Advanced Energy Training Institute; Jerry Skaggs, UL DQS, Inc.
Training/credentialing supports labor supply

Federal Initiatives

- **U.S. Department of Energy – Home Performance Guidelines:**
  Moving training toward standards and quality
  - Home energy auditor
  - Retrofit installer/technician
  - Crew chief
  - Quality control inspector

- **U.S. Department of Energy/National Renewable Energy Laboratory (NREL)**
  Facilitating national guidelines for key job categories in commercial sector
  - Building energy auditor
  - Commissioning/retro-commissioning practitioner
  - Operating engineer/building technician
  - Energy/sustainability manager
  - Energy modeler
  - Facility manager
BPI Standards and Curriculum

Best Practices Identified
Standards Set

Curriculum Developed Training Provided

Certification of Competency

Standard 17024

American National Standards Institute

Developed 12 CEEBS Learning Centers
Center for Energy Efficiency and Building Science
Career Ladder (Residential)

Job Category

- Installation Helper (Entry-level)
- Air Sealing Installer Technician
- Insulation Installer Technician
- Crew Supervisor
- Building Auditor
- Project Coordinator
- Project Manager

Available Training

- Basic Air Sealing Insulation Training
- Advanced Air Sealing Insulation Training
- Intro Building Science (2 day)
- CEEBS Building Analyst (5 day)

Credential

- BPI Air Leakage Control Installer
- BPI Crew Chief
- BPI Building Analyst

nyserdan
# Career Ladder (Commercial)

## Job Category

<table>
<thead>
<tr>
<th>Data Collection (Entry-level)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HVAC Service Technician</td>
</tr>
<tr>
<td>HVAC Installer Technician</td>
</tr>
<tr>
<td>Lighting Design Professional</td>
</tr>
<tr>
<td>Lighting Retrofit Installer</td>
</tr>
<tr>
<td>Energy Auditor</td>
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<tr>
<td>Building Operator</td>
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</tbody>
</table>

## Available Training

<table>
<thead>
<tr>
<th>Data Monitoring and Trending</th>
</tr>
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<tbody>
<tr>
<td>HVAC Professional (RSES)</td>
</tr>
<tr>
<td>HVAC Excellence (BOCES)</td>
</tr>
<tr>
<td>Lighting Retrofit Workshops</td>
</tr>
<tr>
<td>AEE Commercial Energy Auditing</td>
</tr>
<tr>
<td>Building Operator Certification</td>
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</tbody>
</table>

## Credential

<table>
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<tr>
<th>NATE Service Technician</th>
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<tr>
<td>NATE Installer Technician</td>
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<tr>
<td>HVAC Excellence Technician</td>
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<tr>
<td>NCQLP Lighting Professional</td>
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<tr>
<td>AEE Certified Energy Auditor</td>
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<tr>
<td>BOC®</td>
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