Climate Change Advisory Committee Meeting

October 26, 2021

Tom Wolf, Governor

Patrick McDonnell, Secretary
Meeting Agenda

- **Introduction**
  - Approval of August Minutes
  - Secretary McDonnell – Open Discussion
  - CAP Outreach & Implementation Activities – Planning for Future Meetings
- Public Comment
- Break
- Pennsylvania Energy Jobs Reports Presentation
  - Pennsylvania Energy Jobs Reports Discussion
- DEP Updates
- New Business
- Next Steps/Next Meeting
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DEP Outreach Efforts

• CAP Booklet
• StoryMap
• Presentations to external stakeholders
• Social Media posts
## GHG Reduction Strategy

<table>
<thead>
<tr>
<th>GHG Reduction Strategy</th>
<th>Expected Implementation Timeframe</th>
</tr>
</thead>
<tbody>
<tr>
<td>Increase industrial energy efficiency and fuel switching</td>
<td>Near term</td>
</tr>
<tr>
<td>Increase production and use of biogas/renewable gas</td>
<td>Midterm</td>
</tr>
<tr>
<td>Incentivize and increase use of distributed Combined Heat and Power</td>
<td>Near term</td>
</tr>
<tr>
<td>Reduce methane emissions across oil and natural gas systems</td>
<td>Midterm</td>
</tr>
<tr>
<td>Reduce food waste</td>
<td>Near term</td>
</tr>
<tr>
<td>Reduce waste generated by citizens and businesses and expand beneficial use of waste</td>
<td>Near term</td>
</tr>
</tbody>
</table>
## CAP Implementation - Transportation

<table>
<thead>
<tr>
<th>GHG Reduction Strategy</th>
<th>Expected Implementation Timeframe</th>
</tr>
</thead>
<tbody>
<tr>
<td>Increase fuel efficiency of all light duty vehicles and reduce vehicle miles traveled for single occupancy vehicles</td>
<td>Midterm</td>
</tr>
<tr>
<td>Implement the multi-state medium-and heavy-duty zero-emission vehicle memorandum of understanding</td>
<td>Long term</td>
</tr>
<tr>
<td>Increase adoption of light-duty electric vehicles</td>
<td>Midterm</td>
</tr>
<tr>
<td>Implement a Low Carbon Fuel Standard</td>
<td>Midterm</td>
</tr>
<tr>
<td>GHG Reduction Strategy</td>
<td>Expected Implementation Timeframe</td>
</tr>
<tr>
<td>------------------------------------------------------------------</td>
<td>----------------------------------</td>
</tr>
<tr>
<td>Use programs, tools, and incentives to increase energy efficiency for agriculture</td>
<td>Near term</td>
</tr>
<tr>
<td>Provide trainings and tools to implement agricultural best practices</td>
<td>Midterm</td>
</tr>
<tr>
<td>Increase land and forest management for natural sequestration</td>
<td>Midterm</td>
</tr>
</tbody>
</table>
## GHG Reduction Strategy

<table>
<thead>
<tr>
<th>GHG Reduction Strategy</th>
<th>Expected Implementation Timeframe</th>
</tr>
</thead>
<tbody>
<tr>
<td>Support energy efficiency through building codes</td>
<td>Near-term</td>
</tr>
<tr>
<td>Improve residential and commercial energy efficiency (electricity)</td>
<td>Near term</td>
</tr>
<tr>
<td>Improve residential and commercial energy efficiency (gas)</td>
<td>Near term</td>
</tr>
<tr>
<td>Incentivize building electrification</td>
<td>Midterm</td>
</tr>
<tr>
<td>Introduce state appliance efficiency standards</td>
<td>Midterm</td>
</tr>
<tr>
<td>Increase distributed on-site solar</td>
<td>Near term</td>
</tr>
<tr>
<td>Take actions to promote and advance C-PACE financing and other tools for Net Zero Buildings and high-performance buildings</td>
<td>Near term</td>
</tr>
</tbody>
</table>
## CAP Implementation – Electricity Generation

<table>
<thead>
<tr>
<th>GHG Reduction Strategy</th>
<th>Expected Implementation Timeframe</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maintain nuclear generation at current levels</td>
<td>Near term</td>
</tr>
<tr>
<td>Create a carbon emissions free grid</td>
<td>Long term</td>
</tr>
</tbody>
</table>
Public Comment (15 min)
Break
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PENNSYLVANIA CLEAN ENERGY INDUSTRY
Energy Jobs Reports

Climate Change Advisory Council
October 26, 2021

Tom Wolf, Governor
Patrick McDonnell, Secretary
• EPO is the primary agency responsible for implementing clean energy programs in Pennsylvania.
• EPO supports renewable energy, energy efficiency and conservation, climate change mitigation and adaptation, alternative transportation, energy assurance, and associated education, outreach and technical support efforts.
• EPO works with its partners to implement, coordinate, and facilitate clean energy programs.
Why Workforce Development?

• EPO convened a stakeholder group beginning in 2018 to provide input on how to improve energy efficiency programming for the agricultural and industrial/manufacturing sector.

• Facilitated by the American Council for an Energy-Efficient Economy (ACEEE).

• One key outcome from the group and analysis was that EPO should support more training of workers in Energy Efficiency, Pollution Prevention, and water conservation.
Why Workforce Development?

• EPO has been supporting workforce training for the existing workforce for several years
  • Building Operator Certification Training
  • Building Retuning Training
  • Building Energy Codes Training

• Growth in Clean Energy Sector indicates need for new entrants into the workforce
• Report completed by BW Research
• BW has completed the US Energy Employment Report for USDOE and NASEO for several years
• Completed a 2020 PA Energy Employment Report and 2020 PA Clean Energy Employment Report
• 2021 versions were released in September
• PAEER: ~269,000 jobs in energy at end of 2019 in Pennsylvania
Both PAEER and PACEER showed large and growing need for skilled workers in energy.

Between 2017 and 2019, nearly 8,000 jobs were created in the clean energy industry in Pennsylvania, a nearly 9% growth rate.

- 97,000 clean energy jobs
- 71,000 in energy efficiency
• National report shows trends in energy production and job numbers and quality

• **PA SPOTLIGHT:** Creating Jobs & Improving Local Economies through Reclamation Programs
  
  • Abandoned mines and gas wells often are associated with lost energy jobs and the resulting impact on nearby communities.
  
  • Reclamation programs are one example that can offer opportunities for new jobs associated with state programs as well as other benefits such as increased property values and, potentially, tourism.
Clean Energy Employment, 2017 – October 2019

- 2017: 89,391
- 2018: 94,245 (+5.4%)
- Q4 2019 (pre-COVID-19): 97,186 (+8.7%)

Total Employment

Cumulative % Change
PA Clean Energy Employment, 2014 – 2019

- Assemblers and Fabricators, -0.9%
- Electricians, 7.9%
- Plumbers, pipefitters, and steamfitters, 12.2%
- Insulation workers, 21.4%
- HVAC mechanics, installers, or technicians, 24.7%
- Energy auditors, 25.8%
- Solar photovoltaic installers, 77.6%
- Plumbers, pipefitters, and steamfitters, 12.2%
- Assemblers and Fabricators, -0.9%
- Electricians, 7.9%
- Insulation workers, 21.4%
- Energy auditors, 25.8%
- HVAC mechanics, installers, or technicians, 24.7%
- Solar photovoltaic installers, 77.6%
OVERALL HIRING DIFFICULTY (PRE-COVID-19)

- Very difficult, 35.8%
- Somewhat difficult, 48.1%
- Not all difficult, 16.0%
Clean Energy Employment Gap Analysis

- Released May 12, 2021
- Purpose: To identify the educational and training needs of Pennsylvanians to fully benefit from the expansion of a clean energy economy.
- High-growth occupations prior to the pandemic will likely remain in demand in the coming years
- The clean energy industry has the potential to contribute to Pennsylvania’s economic recovery.
Clean Energy Employment, 2017 – December 2020

<table>
<thead>
<tr>
<th>Year</th>
<th>Total Employment</th>
<th>Cumulative % Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td>89,991</td>
<td></td>
</tr>
<tr>
<td>2018</td>
<td>94,245</td>
<td>5.4%</td>
</tr>
<tr>
<td>Q4 2019 (pre-</td>
<td>97,186</td>
<td>8.7%</td>
</tr>
<tr>
<td>COVID-19)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>March 2020</td>
<td>90,797</td>
<td>1.6%</td>
</tr>
<tr>
<td>April 2020</td>
<td>80,451</td>
<td>-10.0%</td>
</tr>
<tr>
<td>May 2020</td>
<td>79,989</td>
<td>-10.5%</td>
</tr>
<tr>
<td>June 2020</td>
<td>82,203</td>
<td>-8.0%</td>
</tr>
<tr>
<td>July 2020</td>
<td>82,409</td>
<td>7.8%</td>
</tr>
<tr>
<td>August 2020</td>
<td>82,732</td>
<td>7.4%</td>
</tr>
<tr>
<td>September 2020</td>
<td>83,057</td>
<td>7.1%</td>
</tr>
<tr>
<td>October 2020</td>
<td>83,496</td>
<td>-6.6%</td>
</tr>
<tr>
<td>November 2020</td>
<td>83,662</td>
<td>-6.4%</td>
</tr>
<tr>
<td>December 2020</td>
<td>83,982</td>
<td>6.1%</td>
</tr>
</tbody>
</table>
OVERALL HIRING DIFFICULTY (POST-COVID-19)

- Very difficult, 26.0%
- Somewhat difficult, 73.4%
- Not at all difficult, 0.6%
• What partnerships and programs can most effectively train and prepare the Pennsylvania workforce to meet the needs of clean energy businesses in the state?

• Data is from the 2020 United States Energy and Employment Report, the 2020 Pennsylvania Clean Energy Employment Report, two surveys administered in fall 2020 to both clean energy employers and workers in Pennsylvania, and executive interviews with clean energy businesses in the state.

• Data was gathered on:
  • Employer hiring needs and difficulties.
  • Current clean energy training and education offered in Pennsylvania.
  • Detailed data on seven clean energy occupations found in the state’s key technology sectors.
<table>
<thead>
<tr>
<th>Sector</th>
<th>Number of In-Person Programs</th>
<th>Number of Web Trainings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alternative Transportation</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Clean Fuels</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Energy Efficiency</td>
<td>355</td>
<td>512</td>
</tr>
<tr>
<td>Grid Modernization &amp; Energy Storage</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Renewable Energy Generation</td>
<td>30</td>
<td>108</td>
</tr>
<tr>
<td><strong>Total Programs</strong></td>
<td><strong>390</strong></td>
<td><strong>627</strong></td>
</tr>
</tbody>
</table>
• Despite furloughs and layoffs due to COVID-19, the majority of surveyed employers indicated that they expected to have either the same or more workers by the end of the year.
• In general, prior to COVID-19, employers reported hiring difficulties related to a small applicant pool, lack of experience, and competition with other industries.
• Employers especially noted that they faced industry competition for skilled electricians.
• Lack of experienced or qualified applicants with industry-specific knowledge is especially difficult in the aftermath of COVID-19.
### REASONS FOR HIRING DIFFICULTY (PRE-COVID-19)

<table>
<thead>
<tr>
<th>Reason</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small applicant pool</td>
<td>36.3%</td>
</tr>
<tr>
<td>Lack of experience in a similar position</td>
<td>34.7%</td>
</tr>
<tr>
<td>Competition with other industries (related to wages and benefits)</td>
<td>20.2%</td>
</tr>
<tr>
<td>Insufficient level of education</td>
<td>12.9%</td>
</tr>
<tr>
<td>Insufficient certifications</td>
<td>9.7%</td>
</tr>
<tr>
<td>High turnover</td>
<td>5.6%</td>
</tr>
<tr>
<td>Other</td>
<td>13.7%</td>
</tr>
<tr>
<td>Don't know/ Refused</td>
<td>3.2%</td>
</tr>
</tbody>
</table>
Gap Analysis Key Findings

• Relevant work experience is required by significantly more employers over an academic degree.
• Surveyed clean energy workers also cited the importance of relevant work experience in landing their job.
• According to clean energy workers, programs that provide on-the-job training were pivotal to landing a clean energy job.
• Half of employers require or prefer specific certifications.
OVERALL REQUIRED LEVEL OF EDUCATIONAL ATTAINMENT

- High school diploma or less: 39.8%
- Vocational technical training or certification: 47.3%
- Associate's degree: 6.5%
- Bachelor's degree: 6.5%
OVERALL REQUIRED LEVEL OF WORK EXPERIENCE

- No formal work experience in comparable positions required: 25.0%
- Up to 12 months in a comparable position: 25.0%
- One to three years in a comparable position: 37.5%
- More than three years in a comparable position: 12.5%
### OJT Program Participation Results

<table>
<thead>
<tr>
<th>Program Type</th>
<th>Strongly Agree</th>
<th>Somewhat Agree</th>
<th>Neither Agree nor Disagree</th>
<th>Somewhat Disagree</th>
<th>Strongly Disagree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Participating in an apprenticeship program</td>
<td>73.2%</td>
<td>23.0%</td>
<td>22.8%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Participating in an internship program</td>
<td>68.8%</td>
<td>26.0%</td>
<td>19.2%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Participating in a mentorship program</td>
<td>71.9%</td>
<td>22.8%</td>
<td>15.3%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Participating in an apprenticeship program improved my ability to land my most recent or current job.

Participating in an internship program improved my ability to land my most recent or current job.

Participating in a mentorship program improved my ability to land my most recent or current job.
<table>
<thead>
<tr>
<th>Obstacles</th>
<th>Considerable Challenge</th>
<th>Somewhat of a Challenge</th>
<th>Not a Challenge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Developing resumes and related materials that demonstrate my qualifications</td>
<td>30.8%</td>
<td>40.5%</td>
<td>30.8%</td>
</tr>
<tr>
<td>Getting the academic degree and/or certification needed</td>
<td>29.6%</td>
<td>40.8%</td>
<td>29.6%</td>
</tr>
<tr>
<td>Getting the technical or hands-on training needed</td>
<td>29.3%</td>
<td>42.9%</td>
<td>27.8%</td>
</tr>
<tr>
<td>Getting comfortable and confident communicating with employers and hiring</td>
<td>38.1%</td>
<td>34.7%</td>
<td>27.2%</td>
</tr>
<tr>
<td>Getting relevant industry and/or work experience</td>
<td>30.8%</td>
<td>43.8%</td>
<td>25.4%</td>
</tr>
</tbody>
</table>
### HVAC Mechanics, Installers, or Technicians

<table>
<thead>
<tr>
<th>Entry-Level Wage</th>
<th>Mid-Level Wage</th>
<th>High-Level Wage</th>
</tr>
</thead>
<tbody>
<tr>
<td>$18.90</td>
<td>$28.20</td>
<td>$39.42</td>
</tr>
</tbody>
</table>

**Entry-Level Education**
- Postsecondary nondegree award

**On-the-Job Training**
- Long-term on-the-job training

**Common Certifications**
- EPA R134A Certification
- HVAC Excellence Certification

**Healthcare Benefits**
- 29% Full Benefits
  - 56% Partial Benefits
  - 16% No Benefits

**Retirement Benefits**
- 71% With Benefits
  - 29% No Benefits

**Career Satisfaction**

- Very satisfied, 64.4%
- Somewhat satisfied, 34.7%
- Indifferent, 0.8%

**路径**
- Apprentice Helper
- HVAC Mechanic, Installer, or Technician
- Crew Lead Senior Technician Supervisor

### Solar Photovoltaic Installers

<table>
<thead>
<tr>
<th>Entry-Level Wage</th>
<th>Mid-Level Wage</th>
<th>High-Level Wage</th>
</tr>
</thead>
<tbody>
<tr>
<td>$13.86</td>
<td>$18.51</td>
<td>$23.35</td>
</tr>
</tbody>
</table>

**Entry-Level Education**
- High school diploma or equivalent

**On-the-Job Training**
- Moderate-term on-the-job training

**Common Certifications**
- NABCEP
- OSHA 10

**Healthcare Benefits**
- 24% Full Benefits
  - 60% Partial Benefits
  - 10% No Benefits

**Retirement Benefits**
- 69% With Benefits
  - 31% No Benefits

**Career Satisfaction**

- Very satisfied, 71.4%
- Somewhat satisfied, 26.6%
Gap Analysis Recommendations

• The report identifies a need for educators, training programs, unions, companies, and government programs to work together to fulfill growing employment demands, and recommends the following:
  • Facilitate on-the-job training opportunities and hands-on industry experience for workers.
  • Support curriculum sharing and procurement.
  • Create a pipeline for displaced workers to transition into the clean energy workforce.
  • Promote manufacturer-specific certifications for clean energy technologies.
• 2021 report released in September
• Reflects impacts of COVID-19
• PAEER: ~250,000 energy workers across PA at end of 2020 – declined 7% since end of 2019
• Modest jobs gains in Q1 2021
• 4.5% of all PA jobs are energy jobs
• 2021 report released in September
• PACEER: ~90,000 jobs in clean energy at end of 2020 in Pennsylvania – declined 7% since end of 2019
• 1% increase in Q1 2021
Next Steps

• EPO is in discussions with L&I, DCED and other partners regarding how to work together to implement some of these recommendations, including apprenticeships.

• EPO is getting the word out about these reports and the findings – please share.

• EPO Workforce Web page: Workforce Development (pa.gov)
  (on DEP webpage, choose Businesses > Energy > Energy Programs Office > E4 Initiative > Workforce Development)
Thank you!

Kerry Campbell
kcampbell@pa.gov

EPO Workforce Web page: Workforce Development (pa.gov)
DEP Website: www.dep.pa.gov
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Local Climate Action Program (LCAP)

Residential Energy

Energy consumed in residential buildings accounts for 46% of New Jersey’s total GHG emissions, the largest contribution of emissions across all sectors. The following objectives and actions seek to aggressively engage the community and provide resources to enable large-scale residential participation in this emissions reduction effort as it is imperative to achieving the reduction targets. The following actions acknowledge the limitations of local government and the need for further legislative support from state and federal government in order to achieve 100% clean renewable electricity community-wide and also recognize that achieving these goals will take a trusted community-wide effort. Simultaneously, the Township has immense opportunity to more rigorously reframe these targets by improving the efficiency of residential building stock, creating greater internal capacity for regular community engagement through increasing resident participation in renewable energy and encouraging sustainable behaviors to ensure low-carbon future development.

Objective 1: Improve Energy Efficiency in Residential Building stock

<table>
<thead>
<tr>
<th>Action 1</th>
<th>Implement “Green Points” system</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action Item(s)</td>
<td>1. Applican for building permits for new construction, additions, or remodeling may apply for “Green Points” to reduce the cost of permits fees in accordance with the rebated “Green Building Incentive Program”</td>
</tr>
<tr>
<td></td>
<td>a. Green building design model spreads</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Reducing Potential</th>
<th>75%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Co-Benefits</td>
<td>Energy savings and lower utility costs</td>
</tr>
<tr>
<td>Improved indoor conditions quality and waste reduction</td>
<td></td>
</tr>
<tr>
<td>Operation and maintenance optimization</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Schedule</th>
<th>Short-term, continuous</th>
</tr>
</thead>
<tbody>
<tr>
<td>Estimated Cost</td>
<td>$82,500 per year if 10% discount on permits</td>
</tr>
</tbody>
</table>

Action 2: Increase community awareness of residential energy consumption and renewable energy outreach and education

<table>
<thead>
<tr>
<th>Action Item(s)</th>
<th>1. Create schedule forMiddletown’s, infographics and signage for Township email channel, social media, and signage in high traffic areas on</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>a. Basic behavioral changes using “Energy Vampires” as a design theme (i.e., turn lights off while brushing teeth, unplug energy appliance when not in use, washing laundry in cold water, etc.)</td>
</tr>
<tr>
<td></td>
<td>b. Opt for renewable electricity versus fossil fuels</td>
</tr>
<tr>
<td></td>
<td>c. “Smart Week: Wednesday” by encouraging our residents on Wednesday during the</td>
</tr>
</tbody>
</table>

Havemore Township Climate Action Plan Page 18
DEP Updates

Support for CAP Implementation:

• Shared Energy Manager program created to assist 5 LCAP participants in implementing their CAP actions
  – Projects include: energy audits, fleet analysis, renewable energy feasibility studies, P.E. verification for Energy Star, energy management plans, energy benchmarking
• Assignment of Capstone students
• Discounted ICLEI membership
Pennsylvania Climate Leadership Academy


Program Details

The Pennsylvania Climate Leadership Academy, in partnership with the Association of Climate Change Officers (ACCO), is offering a series of five online training programs to help participants build competencies to effectively integrate climate change into their decision-making and professional activities. This series provides participants with training in a peer cohort environment that will prepare them for the Certified Climate Change Professional® (CC-CP®) credential and CC-CP® Candidate exams by leveraging a combination of video lectures, live training, and interactive exercises.

Participants will learn from experts and practitioners about the implications of climate change, and related opportunities. In addition to climate change and sustainability practitioners, the curriculum has been designed to benefit professionals worldwide, across a broad range of occupations in the public and private sectors, higher education and the NGO community.

Key Skills and Competencies Addressed

- Recognizing climate impacts on an organization’s operations, mission and bottom line
- Identifying risks management of climate change
- Managing short-term and long-term uncertainty
- Tailoring communication to different audiences
- Developing and supporting organizational change
- Understanding resource consumption and systems implications
- Assessing the policy landscape and developing an action plan
- Collaborating with peers to tackle real-world challenges

Live Online Program Features

- A blend of self-study resources and live online instruction
- Case studies from practitioners and insights from fellow CC-CP® professionals
- A program structure designed to guide you through the certification process
- This opportunity to expand your network by connecting with fellow attendees
- Assignments that help reinforce program sessions
- Sample test questions
- Real-time Q&As with instructors and facilitated discussions among participants

Fall 2021 Program Schedule (all classes begin at 1:00pm unless specified below) dates updated October 7, 2021

<table>
<thead>
<tr>
<th>Program Content for CC-CP® Exam #1: Climate Science &amp; Mitigation/Adaptation</th>
<th>Program Content for CC-CP® Exam #2: GHG Energy &amp; Resource Management</th>
<th>Program Content for CC-CP® Exam #3: Environment, Law &amp; Policy</th>
<th>Program Content for CC-CP® Exam #4: Risk Management &amp; Emergency Preparedness</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>October 18, 2021</strong></td>
<td>4 Hours (CC-CP® candidacy)</td>
<td>3 Hours (CC-CP® candidacy)</td>
<td>3 Hours (CC-CP® candidacy)</td>
</tr>
<tr>
<td></td>
<td>Climate 101: Understanding Climate Science &amp; Mitigation/Adaptation</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>October 20, 2021</td>
<td>4 Hours (CC-CP® candidacy)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Climate 103: The Basics of Sea Level Rise and Impacts on Coastal Assets &amp; Infrastructure</td>
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<td>October 21, 2021</td>
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<td></td>
<td>Finding Climate Hazards &amp; Conducting Vulnerability Assessments</td>
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<td>November 1, 2021</td>
<td>3 Hours (CC-CP® candidacy)</td>
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<td></td>
<td>GHG 101: Baseline GHG Accounting, Reporting &amp; Tracking GHG Emissions</td>
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<td>November 3, 2021</td>
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<td>GHG 102: Developing the Energy-Water-Health Nexus</td>
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<td>GHG 103: Evaluating GHG reduction Goals &amp; Performance Management Structures</td>
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<td>November 12, 2021</td>
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<td>Case Studies, Exercises &amp; Group Discussions</td>
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<td>November 14, 2021</td>
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<td>PA-DHS &amp; Clean Energy Programs</td>
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<td>PA-DHS &amp; Clean Energy Programs</td>
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<td>4 Hours (CC-CP® candidacy)</td>
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<td>December 18, 2021</td>
<td>4 Hours (CC-CP® candidacy)</td>
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<td>December 19, 2021</td>
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<td>December 20, 2021</td>
<td>4 Hours (CC-CP® candidacy)</td>
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Developing an Action Plan & Proposal (by your CC-CP® Application)

- Developing your action plan
- Documentation requirements & submission process
Status of RGGI Rulemaking
• Introduction
  • Approval of August Minutes
• Secretary McDonnell – Open Discussion
• CAP Outreach & Implementation Activities – Planning for Future Meetings
• Public Comment
• Break
• Pennsylvania Energy Jobs Reports Presentation
  • Pennsylvania Energy Jobs Reports Discussion
• DEP Updates
• New Business
• Next Steps/Next Meeting
Next Meeting

2021 Regular Meeting Dates:

• Tuesday February 23
• Tuesday April 27
• Tuesday June 22
• Tuesday August 24
• Tuesday October 26
• Tuesday December 14