



**pennsylvania**  
DEPARTMENT OF ENVIRONMENTAL PROTECTION



Energy Programs Office

# Climate Change Advisory Committee Meeting

## June 23, 2022

Tom Wolf, Governor

Patrick McDonnell, Secretary

# Agenda

- **Introduction**
- Approval of April Minutes
- Presentation/Discussion – Building Codes
- Presentation/Discussion – Natural Gas EE&C
- Public Comment
- Break
- Presentation/Discussion – Easton, PA – Local Climate Action
- Presentation/Discussion – Advancements in Residential EE
- Updates
- Next Meeting
- New Business

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# CAP Implementation - Buildings

June 23, 2021

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

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# Public Comment (15 min)



Break



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# DEP Updates

Update from the Bureau of Oil and Gas Planning and  
Program Management

# DEP Updates

## **The Department submitted an initial application for funding to the U.S. Department of Energy's (DOE) for the Infrastructure Investment and Jobs Act (IIJA) State Energy Program (SEP)**

- The IIJA appropriated \$500 million to USDOE for States for SEP over five years
  - DEP expects to receive approximately \$18.5 million
  - DOE allowed each state to apply for an initial \$200,000 to improve the State Energy Security Plan
  - An improved State Energy Security Plan is **REQUIRED** by September 30 in order to receive other IIJA Funding, and must contain the following elements:
    - Address all energy sources and regulated and unregulated energy providers
    - A State energy profile, including an assessment of energy production, transmission, distribution, and end-use
    - Address potential hazards to each energy sector or system, including physical and cyber threats and vulnerabilities
    - A risk assessment of energy infrastructure and cross-sector interdependencies
    - A risk mitigation approach to enhance reliability and end-use resilience
    - Address multi-State and regional coordination, planning and response
  - EPO applied for this initial funding in April
  - EPO expects to apply for the full SEP funding by fall 2022.

# DEP Updates

## **The Department submitted a response to U.S. Department of Energy's (DOE) NOI on its "Building a Better Grid" Preventing Outages and Enhancing the Resilience of the Electric Grid Program - Formula Grants To States And Indian Tribes For Preventing Outages And Enhancing The Resilience Of The Electric Grid**

- The IIJA appropriated \$5 billion to DOE for the Preventing Outages and Enhancing the Resilience of the Electric Grid Program
  - \$2.5 billion of this will be delivered via formula grants to States and Tribes to mitigate impacts to the grid from extreme weather.
  - The preliminary Formula identifies that Pennsylvania will receive \$8.1 million in FY 22-23.
  - Application guidance is expected to be released in July
- EPO submitted feedback on 6/2 to DOE's Notice of Intent regarding these three questions:
  - What are the specific challenges you anticipate with regard to providing the Program Narrative?
  - What are the areas in which you would most appreciate receiving technical assistance? In addition, what approaches for providing technical assistance would be most helpful to you?
  - What additional data sources are you aware of that may help DOE prepare the award formula?

# DEP Updates

## **The Department submitted a response to U.S. Department of Energy's (DOE) RFI on its Energy Efficiency Revolving Loan Fund Capitalization Grant Program.**

- The IIJA appropriated \$250 million to DOE to make funds available to States to implement the Program.
  - Funding will enable States to capitalize revolving loan funds and provide grants to conduct commercial and residential energy audits, energy upgrades, and retrofits of building infrastructure.
  - The EPO expects to receive approximately \$3.5 million.
- EPO submitted comments in response to the RFI focused on how the guidelines can be developed in a way that allows for innovative uses, combination with other funds, successful program implementation in hard to reach communities, and other elements that would ensure the guidelines allow EPO to create a program that is a good fit for PA.
  - Specifically, the Department referenced its past successful revolving loan funds such as the Green Energy Loan Fund and the KeystoneHELP program.
  - The Department recommended maximum flexibility for the use of the funds and streamlining reporting requirements, amongst a number of other suggestions.
- The DOE is expected to publish program guidance later on this year.

# DEP Updates

## **Department submitted a response to DOE's RFI on Resilient and Efficient Codes Implementation (RECI)**

- The purpose is to obtain public input regarding the solicitation process and structure of a potential DOE Funding Opportunity Announcement (FOA) to fund sustained cost-effective implementation of building energy codes, in accordance with the IJA on Energy Code Implementation Criteria and Requirements for Key Topic Areas:
  - Advanced Energy Codes and Building Resilience
  - Methods to Support Sustained State Energy and Building Resilience Code Implementation
  - Funding, Partnerships, Eligible Entities, and Evaluation Criteria
- EPO submitted comments in response to the RFI, including their support of the existing structure for PA code review, adoption, and enforcement:
  - The PA Uniform Construction Code Review and Advisory Council are responsible for reviewing and approving all proposed changes to codes in Pennsylvania.
  - The PA Department of L&I oversees energy code compliance and enforcement for 10% of Authorities Having Jurisdiction (AHJs) for the commercial sector and, 90% AHJs opted to self-enforce the commercial sector and 100% for the residential sector.

# DEP Updates

## DEP Climate Outreach Efforts:

- 4/21/22 – Press Event: [DEP Showcases City of Reading's Local Climate Action for Earth Day](#)
- 5/11/22 – Press Event: *DEP Announces Local Climate Action Training Provided to Another 121 Municipalities*
- 5/11/22 – 2022 PA Risk Reduction Consultation – Climate Change and Resilience
- 5/19/22 – LCAP presentation to Commonwealth Campuses Sustainability Forum
- 5/26/22 – PSU Energy Days – Climate and EJ Panel Discussion
- 5/26/22 – PSU Energy Days – LCAP
- 5/26/22 – CAP Presentation to CC-P cohort



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# 2022 Meeting Planning

## Proposed Themes:

- ~~February 22 - Transportation~~
- ~~April 14 - Agriculture & LULUCF~~
- ~~June 23 - Buildings~~
- **August 23 - Electricity Generation**
- October 25 - Industrial & Fuel Supply (additional topics)
- December 13 - Climate Adaptation

# CAP Implementation – Electricity Generation

August 23, 2021

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<b>GHG Reduction Strategy</b>	<b>Expected Implementation Timeframe</b>
Maintain nuclear generation at current levels	Near term
Create a carbon emissions free grid	Long term

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# Next Meeting – Proposed Agenda

## **August 23, 2022 – Electricity Generation:**

- Introduction
- Approval of June Minutes
- **Presentation TBD**
- **Environmental Justice/Equity TBD**
- Public Comment
- Break
- **Local government climate action – LCAP Participant TBD**
- **DEP Updates**
- **Overview of next meeting’s agenda: Oct. 25, Industrial Sector and Fuel Supply (cont.)**
- New Business

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