



GWSA Implementation Advisory Committee (IAC) Meeting

August 11, 2022

1:30PM – 4:00PM



Agenda

1:30 - Welcome & Introductions

- New members in EEA's Climate Team

1:35 - Review of 4/29/2022 IAC meeting minutes

- Call for a vote to approve meeting minutes

1:40 - Clean Energy and Climate Plan (CECP) for 2025 and 2030 implementation

- Review draft CECP Dashboard and gather feedback

2:00 - Discuss CECP for 2050

- Review statutory requirements
- Discuss EEA's proposed approach, timeline, and outline of the 2050 CECP
- Discuss policy priorities for 2050

3:00 - IAC Work Group leadership: nominations

3:30 - Other IAC questions and business

3:45 - Public comment

4:00 - Adjournment

2025/2030 CECF Implementation

Milestone and Next Step

- Released on June 30, 2022:
 - Statement of 2020 Emissions Compliance
 - Determination Letter of Emissions Limits and Sublimits for 2025 and 2030
 - Clean Energy and Climate Plan for 2025 and 2030 (2025/2030 CECP)
- Launching in September 2022:
 - New **online dashboard** (alpha version) to track key metrics for monitoring implementation progress of the 2025/2030 CECP
 - Features key metrics on transportation, buildings, electricity, non-energy and industrial sectors, and natural and working lands.
 - Links to key resources such as financial incentives and information for residents, municipalities, and businesses to decarbonize and to protect the carbon sequestration capacity of natural and working lands.
 - Publicly accessible.
 - Will be regularly updated with new/revised data and information as available.

Proposed Content for New Dashboard (alpha version)

• **Buildings**

- Total Residential and Commercial energy consumption (BBTU since 1990) by fuel type
- Total Residential and Commercial fuel emissions, annual total and by fuel type (MMTCO₂e)
- Overall Household heating by fuel type (households)
- Renewable thermal installations (e.g. # of heat pumps, solar thermal)
- Building envelope retrofits (sq. ft.)
- Links to:
 - MassSave® incentives,
 - Incentives and resources from the MA Clean Energy Center
 - Municipal Vulnerability Program incentives
 - Green Communities Program grants and technical assistance

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Proposed Content for New Dashboard (alpha version)

• **Transportation**

- Vehicles registered by vehicle class (# of vehicles)
- Vehicle miles traveled, total by vehicle class and per household (miles)
- Battery electric vehicles and plug-in electric hybrid vehicles on road by vehicle class (# of vehicles)
- Public electric vehicle charging stations (# of stations)
- Transportation emissions, annual total and by fuel type (MMTCO₂e)
- Emissions intensity per vehicle miles traveled (MTCO₂e/Mile)
- Links to:
 - MOR-EV rebates for cars and trucks
 - MassEVIP Public Access Charging Program grants
 - MassDOT Complete Streets Funding Program grants and technical assistance
 - Green Communities Program grants and technical assistance

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Proposed Content for New Dashboard (alpha version)

- **Electric Power**

- Annual electrical load (GWh)
- Renewable electric generation by resource type (GWh)
- Renewable electric capacity by resource type (MW)
- Electric Power emissions, annual total and by fuel type (MMTCO₂e)
- Emission intensity per MWh electric load (MMTCO₂e/MWh)

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Proposed Content for New Dashboard (alpha version)

- **Non-Energy & Industries**

- Industrial energy consumption (BBTU)
- Industrial combustion emissions, annual total and by fuel type (MMTCO₂e)
- Emissions from natural gas transmission & distribution system and industrial processes (MMTCO₂e)
- Solid waste disposal tonnage
- Waste and agricultural non-biogenic emissions (MMTCO₂e)
- Links to:
 - Recycle Smart resources
 - Composting resources
 - Recycling and Reuse Business Development Grants
 - Sustainable Materials Recovery Program grants and technical assistance

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Proposed Content for New Dashboard (alpha version)

- **Natural and Working Lands (NWL)**

- Emissions and carbon sequestration by major land cover type (MMTCO₂e/yr)
- Open space conservation by protection status and ownership (% of MA land and water)
- Urban trees planted (# of trees)
- Links to:
 - Conservation Land Tax Credit Program
 - Forest Tax Program (Chapter 61)
 - Massachusetts Forest Stewardship Program
 - Working Forest Initiative resources
 - Agricultural Preservation Restriction Program
 - Greening the Gateways Cities Planting Program

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Proposed Content for New Dashboard (alpha version)

- **Greenhouse gas emissions**
 - Statewide non-biogenic emissions, annual total (MMTCO₂e) and by major sectors
 - Statewide biogenic emissions (MMTCO₂e) by major categories
 - Statewide net emissions, annual total (MMTCO₂e)
- **Other metrics and information (likely for the beta version)?**

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2050 CECP Development

Statutory Requirements

- Adopt statewide 2050 emissions limit that achieves at least net zero statewide GHG emissions, provided that emissions in 2050 are no higher than 85% below the 1990 level.
- Adopt sector-specific sublimits as components of the 2050 emissions limit.
- Consult with all state agencies and regional authorities with jurisdiction over sources of GHGs on all elements of the emissions limit, sublimits, and plan.
- Conduct public hearings on the proposed 2050 emissions limit and the plan.
- Conduct stakeholder process to inform development of the natural and working lands plan.
- The 2050 Decarbonization Roadmap (released in December 2020) can not be used as the 2050 CECP due to specific requirements in M.G.L. Chapter 21N, Section 5, as amended by the “2021 Climate Law” (Chapter 8 of the Acts of 2021).

Preliminary Timeline

- January 1, 2023: Deadline to submit 2050 CECP and letter determining the 2050 sector-specific emissions sublimits.

Task	8/1	8/8	8/15	8/22	8/29	9/5	9/12	9/19	9/26	10/3	10/10	10/17	10/24	10/31	11/7	11/14	11/21	11/28	12/5	12/12	12/19	12/26
2050 CECP development	Outline; inter-agency reviews					Drafting; inter-agency reviews									Gov's Office review & approval		Final production			Translations		
2050 Sublimit Analysis	Analysis; inter-agency reviews					Review and Feedback																
Public Outreach									Virtual Public Hearings and Comment Period													
Letter of Determination															Drafting		Review and Feedback				Gov's Office review & approval	

Preliminary Outline

- **Potential key topics:**
 - The Commonwealth's Net Zero 2050 Vision
 - Ensuring an Equitable and Just Transition to 2050
 - Economy-wide Emissions Limit and Sector-Specific Sublimits for 2050
 - The Future of Fuels
 - Carbon Sequestration, Removal, and Storage
 - Sector-Based Strategies
 - Cross-Cutting Themes
 - Transportation
 - Buildings
 - Power
 - Non-Energy and Industrial
 - Natural and Working Lands
 - Economy and Employment Benefits
- **Other topics? Policy priorities?**

IAC Work Group Leadership

IAC Work Groups

- **Purpose:**
 - Small group discussions about topical issues that inform the work of the IAC
- **Structure:**
 - Should be IAC-led, with support from EEA as needed.
 - The work group chair can independently call work group meetings and determines participants in each meeting.
 - Must be chaired by IAC members or their official delegates, with IAC majority vote.
 - Meetings must not trip quorum of IAC members and delegates.
 - Meetings are not subject to Open Meeting Law requirements.
 - Meeting discussions must be reported back to the full IAC.
 - Decisions or recommendations made during work group meetings must be reported back to the full IAC and endorsed by majority vote of the IAC.

IAC Work Groups

- **Current Work Groups:**

- Transportation (formed at the end of 2017)
 - Chair: vacant with Berl Hartman and Dan Gatti's departure from IAC, filled by Sarah Simon
- Buildings (formed at the end of 2017)
 - Chair: vacant with Cammy Peterson's departure from IAC
- Electric Power (formed at the end of 2017)
 - Chair: vacant with David Ismay's departure from IAC, filled by Caitlin Peale Sloan
- Land-Use and Nature-Based Solutions (formed at the end of 2017)
 - Chair: Steve Long
- Climate Justice (formed in at the end of 2019)
 - Chair: vacant with Eugenia Gibbon's departure from IAC, filled by Staci Rubin (co-chair)

IAC Work Groups

- **IAC discussion and decisions on:**
 - Keep, change, and/or add IAC work groups?
 - New or reaffirm leadership of each work group?
 - When to nominate work group chair(s)?
 - When to vote for work group chair(s)?

Other IAC Questions & Business

Public Comment
