



GWSA Implementation Advisory Committee (IAC) Meeting

June 28, 2021

2:00PM – 4:00PM



Agenda

- Review draft meeting minutes of April 12, 2021
- Updates with 2021 Climate Act requirements
- Updates on the Clean Energy and Climate Plan (CECP) for 2025 and 2030
- Discuss proposed 2021-2022 IAC Work Plan to support the 2025/2030 CECP and the 2050 CECP
- Other IAC business
- Public comment

Updates: Statewide GHG Inventory

- MassDEP has proposed to update the Massachusetts 1990 greenhouse gas (GHG) Baseline Emissions Level.
 - This is the second time MassDEP is updating the 1990 Baseline.

Year	2016 Published Values	2021 Published Values
1990 (Baseline)	94.4 MMTCO ₂ e	94.3 MMTCO ₂ e
2020 Limit (25% below 1990)	70.8 MMTCO ₂ e	70.7 MMTCO ₂ e

- Improvements to data methodologies and underlying data sources have become available at www.mass.gov/eea/agencies/massdep/news/comment/
- Public comment period May 28 through June 28; comments to climate.strategies@mass.gov

Updates: Environmental Justice (EJ)

- [The Environmental Justice Viewer](#) has been updated with the new EJ population definitions.
- EJ Strategies—draft strategies for each of the agencies will be available for public comment in the late Fall and finalized in Spring 2022.
- EJ Advisory Council members are being identified in coordination with the Governor's Office and are awaiting appointment. As mandated by the statute, the Council will be in place to conduct a comprehensive analysis to ensure that the new definition of "EJ Population" achieves the objectives of the statute's defined "EJ Principles" by July 31, 2022.

Updates: MEPA

- MEPA Protocol for Public Involvement for EJ Populations:
 - Released for public comment on June 23. Comments are due by July 30.
- Interim protocol on climate adaptation released on June 23 with anticipated effective date of Oct. 1.
- MEPA regulatory review (updates posted on [MEPA website](#))
 - Stakeholder sessions to continue in Summer/Fall 2021.
 - Formal rulemaking under M.G.L. c. 30A in Fall 2021.
 - Regulatory package to address:
 - Requirements of 2021 Climate Act related to content of Environmental Impact Reports (EIRs)
 - Updates and clarifications to MEPA thresholds, definitions, and procedures
 - Email feedback to MEPA-regs@mass.gov

Updates: Transportation & Climate Initiative Program

- MA, RI, CT, and D.C. hosted a webinar on June 10th to provide an update about implementation of the Transportation & Climate Initiative Program (TCI-P).
- Published on TCI Website (<https://www.transportationandclimate.org/tci-p-updates-june-2021>):
 - Finished Model Rule and a Summary
 - Response to Comments Document
 - Draft Model Implementation Plan for the TCI-P 4 jurisdictions
 - Draft Strategies for Regional Collaboration Document
 - Draft Guiding Principles of Public Engagement Document

**Comments
due by
mid-August**

Updates: Offshore Wind Procurement

- Massachusetts Electric Distribution Companies, in coordination with DOER, posted a Request for Proposals (RFP) on May 7, 2021 for the third round of 83C offshore wind energy solicitations for up to 1,600 MW.

- Criteria in the Qualitative and Quantitative Evaluations sections include:

- Economic development
- Diversity, equity, and inclusion
- Environmental and socioeconomic impacts from siting on environmental justice populations

Event	Anticipated Date(s)
Issue RFP	May 7, 2021
Bidders Conference	May 18, 2021
Deadline for Submission of Questions	May 25, 2021
Due Date for Submission of Confidential Proposals	September 16, 2021
Due Date for Submission of Public Proposals	September 23, 2021
Selection of Projects for Negotiation	December 17, 2021
Negotiate and Execute Long Term Contracts	March 28, 2022
Submit Long Term Contracts for DPU Approval	April 27, 2022

Updates: Grid Modernization

- **D.P.U. 20-69-A:** Provide directives on the form and content of the Electric Distribution companies' (EDCs) 2022-2025 Grid Modernization Plan, and separate electric vehicle (EV) program proposals and utility-scale storage proposals—due July 2021:
 - 5-year strategic plans of full-scale advanced metering infrastructure deployment
 - 4-year grid-facing and customer-facing investment plans for DPU's review and pre-authorization
 - Proposals on EV rate design (including addressing the requirement of the Transportation Act), EV charging infrastructure, and EV off-peak charging incentives
 - EDCs' utility-scale storage proposals after completing all necessary feasibility studies

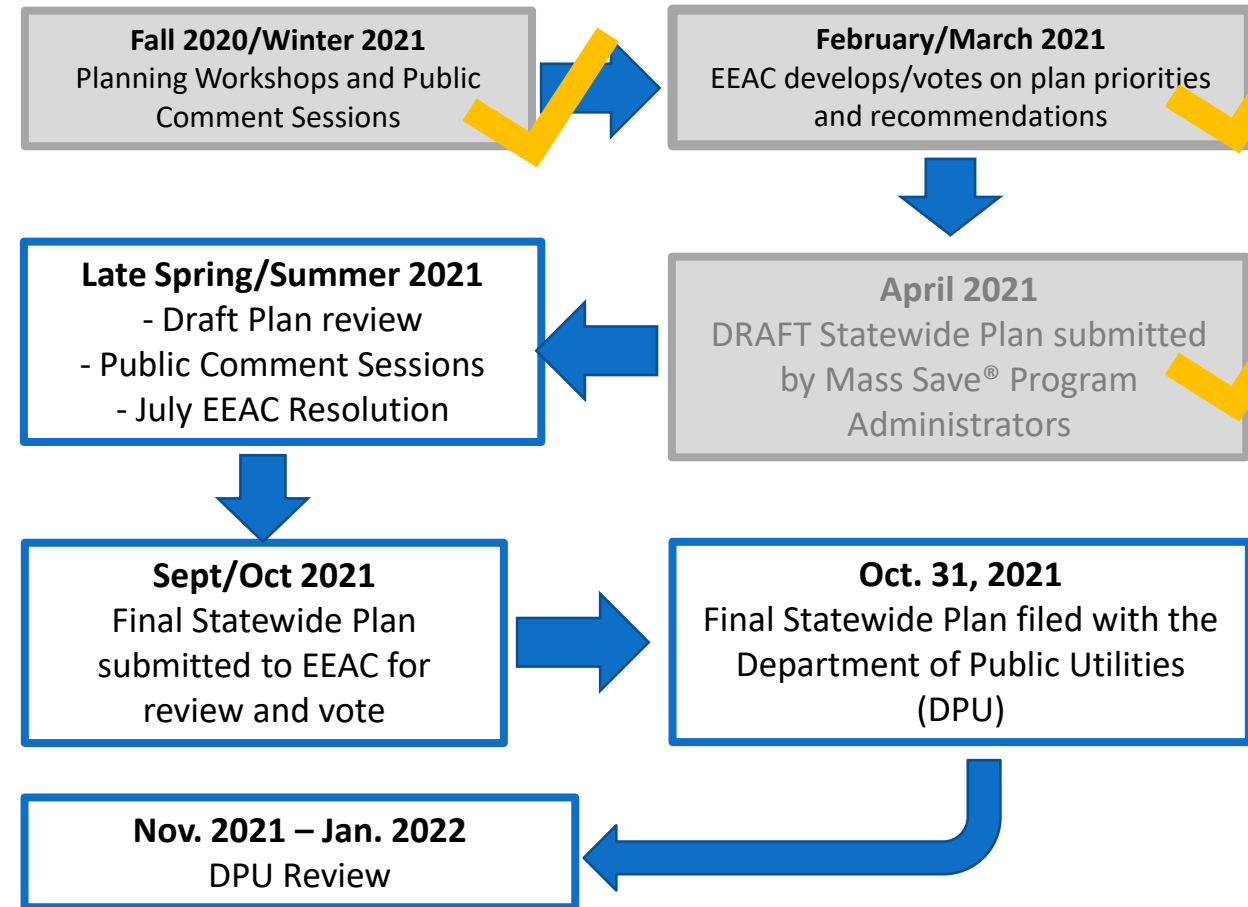
Updates: Specialized Stretch Energy Code

- 2021 Climate Act requirements:
 - Municipal opt-in code for cities and towns
 - Must be available for opt in by November 2022
 - DOER must hold at least 5 public hearings



Updates: Mass Save 2022-2024 Plan

- 2021 Climate Act requirements:
 - Incorporate Social Cost of Carbon
 - Only for non-fossil fuel measures
 - AESC 2021 value \$128/short ton
 - Set GHG target for plan by July 15
 - Include a mechanism to prioritize projects that reduce GHG emissions



Updates: Commission on Clean Heat

- Scope and plans for participation are currently being developed
- Goal include:
 - Develop a cap on the GHG emission from heating
 - Develop policy recommendations
- Will last through March 2023
- Hope to include a diversity of perspectives and backgrounds, while keep the meeting size manageable
- The Commission will be supported by:
 - An inter-agency Task Force consisting of subject-matter experts
 - Clean Heat Manager as a dedicated full-time staff to this effort

Updates: Natural and Working Lands Plan

- EEA is at the beginning stage of improving the inventory of natural and working lands (NWL) biogenic carbon in Massachusetts → informs the NWL carbon sequestration baseline, goals, and plan to achieve the goals.
- The new inventory methodology will include:
 - More robust data sources and methodology to track changes in more land cover types
 - Improved carbon sequestration rates and emission factors
 - Carbon storage and flux from harvested wood products
- More information on the proposed new methodology will be discussed in public meetings in the Fall.
- EEA is also developing a stakeholder engagement plan to inform the development of the NWL baseline, goals, and plan.

Updates: Leading By Example

- Leading By Example Executive Order 594
 - Effective date: July 1, 2021
 - Key elements:
 - High-performance new construction that moves beyond Mass. LEED Plus
 - Decarbonization of fuels in existing buildings
 - State fleet Zero Emission Vehicle (ZEV) targets and vehicle acquisition requirements
 - GHG goals set specifically for fossil fuel emissions
 - Emissions reduction built into long-term planning

Summary of EO 594 Targets						
Objective	Baseline	Current Progress	2025	2030	2040	2050
↓ emissions from onsite fossil fuels	2004	-16%	-20%	-35%	-60%	-95%
↑ percent of state fleet that is ZEVs	N/A	<1%	5%	20%	75%	100%
↓ fuel oil consumption	2004	-85%	-90%	-95%	TBD	TBD
↓ overall site EUI	2004	-13%	-20%	-25%	TBD	TBD
↑ total # of EV charging stations	N/A	225	350	500	TBD	TBD

Updates: MassCEC Workforce Development Strategy

- 2021 Climate Act requirement:
 - \$12 million annual for implementing the clean energy equity workforce and market development program
 - *“clean energy equity workforce and market development program to provide workforce training, educational and professional development, job placement, startup opportunities and grants promoting participation in the commonwealth’s energy efficiency, clean energy, and clean heating and cooling industries to: (i) certified minority-owned and women-owned small business enterprises; (ii) individuals residing within an environmental justice community; and (iii) current and former workers from the fossil fuel industry”*
- MassCEC is currently working on developing a strategy and will review those with its Board.

CECP Timeline

- **Fall 2021:** Public meetings around the 2025 and 2030 emission limits, sublimits, and carbon sequestration baseline and goals.
- **Winter 2022:** Public meetings on the proposed interim emissions reduction targets and carbon sequestration goals for 2025 and 2030 and the proposed plan to achieve those targets and goals.
- **By July 1, 2022:** Determination of the 2025 and 2030 emissions limits and sublimits, and release of 2025/2030 CECP
- **By January 1, 2023:** Determination of the 2050 emissions sublimits, and release of 2050 CECP

Updates: Transportation Planning

- Teleworking Scenarios and Transportation Impact
 - MassDOT's Office of Transportation Planning (OTP) is conducting a statewide scenario analysis that will explore a range of possible long term teleworking futures and their impacts on the Commonwealth's transportation system.
- MassDOT's next Statewide Long Range Transportation Plan
 - OTP is currently in the procurement process for the development of the next plan
 - Planning horizon of 2050
 - Will incorporate lessons learned from recent modal and statewide planning efforts

Proposed 2021-2022 IAC Work Plan

Date	IAC Meeting: Main Agenda Items	IAC Work Group (WG) Meeting	Desired Outcomes
July-Sep. 2021		Climate Justice WG: <ul style="list-style-type: none"> Discuss and get feedback on updated health, economic, and jobs impact analysis Buildings WG: <ul style="list-style-type: none"> Weigh in on Clean Heat Task Force and Commission's options for building sector cap framework & level Transportation WG: <ul style="list-style-type: none"> Suggest policies to reduce reliance on personal vehicles Electric WG: <ul style="list-style-type: none"> Review Solar Siting Analysis and discuss upcoming assessment of technical potential for solar Nature-Based Solutions WG: <ul style="list-style-type: none"> Initial discussion of issues related to the development of a carbon sequestration inventory 	<ul style="list-style-type: none"> Robust work group discussions to inform EEA's finalization of the 2025 and 2030 CECP. Identification of topics for further cross-sectoral discussion with the full IAC body.
Oct. 2021	<ul style="list-style-type: none"> Report out of WG discussions Discuss cross-sectoral (including equity and just transition) issues related to the work group discussions 		<ul style="list-style-type: none"> Topics/issues for further IAC discussion and/or issues for further EEA consideration are identified.

Date	IAC Meeting: Main Agenda Items	IAC Work Group Meeting	Desired Outcomes
Nov. 2021 thru Feb. 2022		All work groups: <ul style="list-style-type: none"> Discuss potential sector-specific sublimits and additional/updated policies to meet them 	<ul style="list-style-type: none"> Robust work group discussions to inform EEA's finalization of the 2025/2030 CECP. Topics identified for cross-sectoral discussion with the full IAC body.
Feb. 2022	<ul style="list-style-type: none"> Report out of WG discussions Discuss cross-sectoral (including equity and just transition) issues related to the work group discussions 	<ul style="list-style-type: none"> Discuss metrics, data needs, and equity considerations for policy implementation benchmarking and tracking 	<ul style="list-style-type: none"> Topics and/or issues identified for further IAC discussion and EEA consideration.
April 2022	<ul style="list-style-type: none"> Discuss proposed 2025 and 2030 limits, sublimits, and policy package Discuss draft outline of the 2025/2030 CECP 		<ul style="list-style-type: none"> Constructive feedback on the proposed 2025 and 2030 limits, sublimits, policy package, and the draft 2025/2030 CECP outline.
Summer-Fall 2022		All work groups: <ul style="list-style-type: none"> Discuss potential sector-specific 2050 sublimits and additional/updated policies to meet them 	<ul style="list-style-type: none"> Robust work group discussions to inform the 2050 CECP. Topics identified for cross-sectoral discussion with the full IAC body.
Fall 2022	<ul style="list-style-type: none"> Report out of WG discussions around proposed 2050 sublimits and strategies and policies Discuss proposed Net Zero framework 		<ul style="list-style-type: none"> Constructive feedback on the proposed 2050 sublimits, strategies and policies, and Net Zero accounting framework.
Dec. 2022	<ul style="list-style-type: none"> Discuss proposed outline of 2050 CECP Discuss IAC workplan for 2023 		<ul style="list-style-type: none"> Constructive feedback on the proposed 2050 CECP outline and IAC's 2023 workplan.

IAC Feedback

- EEA welcome feedback and suggestions on:
 - Proposed IAC workplan for 2021 and 2022
 - Public engagement for the 2025 and 2030 CECP
 - Public engagement for the 2050 CECP

Other IAC Business



Public Comments
