



Maryland
Department of
the Environment

Maryland Building Energy Performance Standards (BEPS)

May 2023

Maryland BEPS Introduction

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Objective

This webinar will provide important background relating to the Maryland BEPS:

- Learn about building energy performance standards
- Background about the BEPS regulation in Maryland
- Overview of the process Maryland uses to adopt new regulations



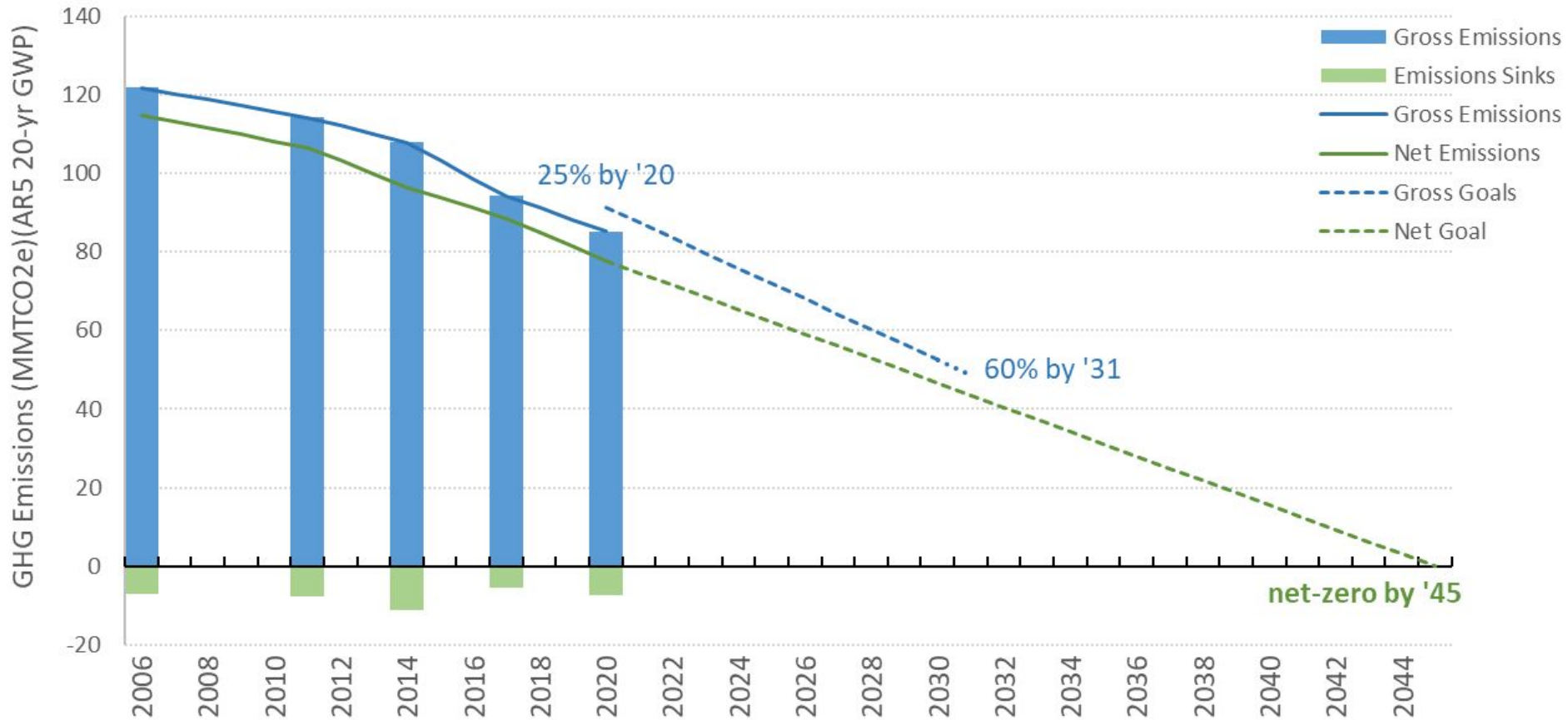
Background

- Building Energy Performance Standards (BEPS) and Building Performance Standards (BPS) are emerging in cities, counties, and states across the nation
- The typical goal of a BEPS/BPS is to guide large buildings to higher levels of energy efficiency and/or lower levels of greenhouse gas emissions
- The Climate Solutions Now Act of 2022 requires the Maryland Department of the Environment (MDE) to develop BEPS regulations that cover most large buildings in the state
- Decarbonizing large buildings is an important step toward achieving Maryland's greenhouse gas reduction goals



Maryland's Greenhouse Gas Reduction Goals

Maryland GHG Emissions & Goals



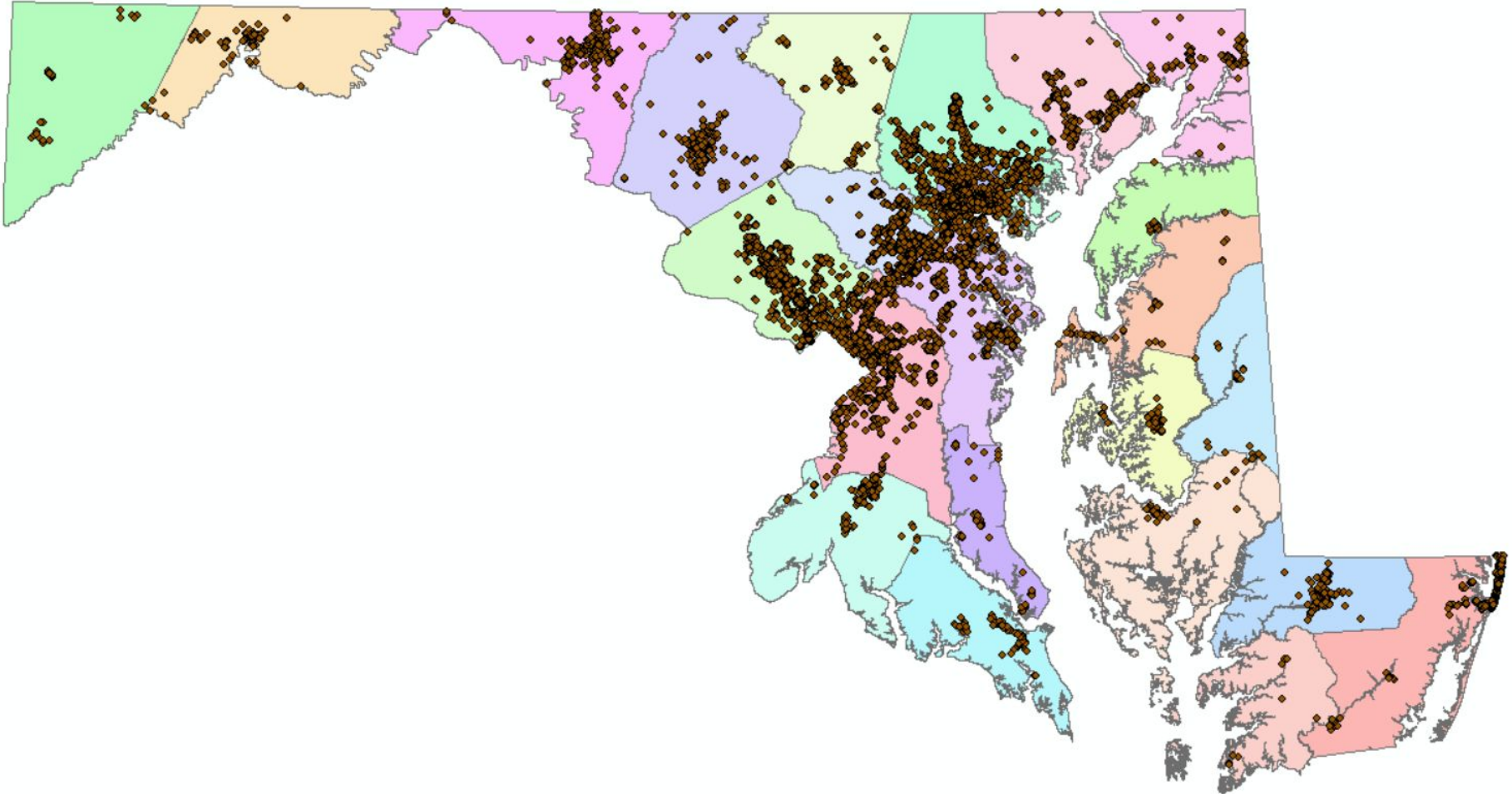


Covered Buildings

- A covered building is a building in Maryland that has a gross floor area of 35,000 square feet or more excluding the parking garage area
- Exempt buildings:
 - Buildings smaller than 35,000 square feet;
 - Historic buildings (designated as historic property under law);
 - Public or nonpublic elementary and secondary school buildings;
 - Manufacturing buildings; and
 - Agricultural buildings.

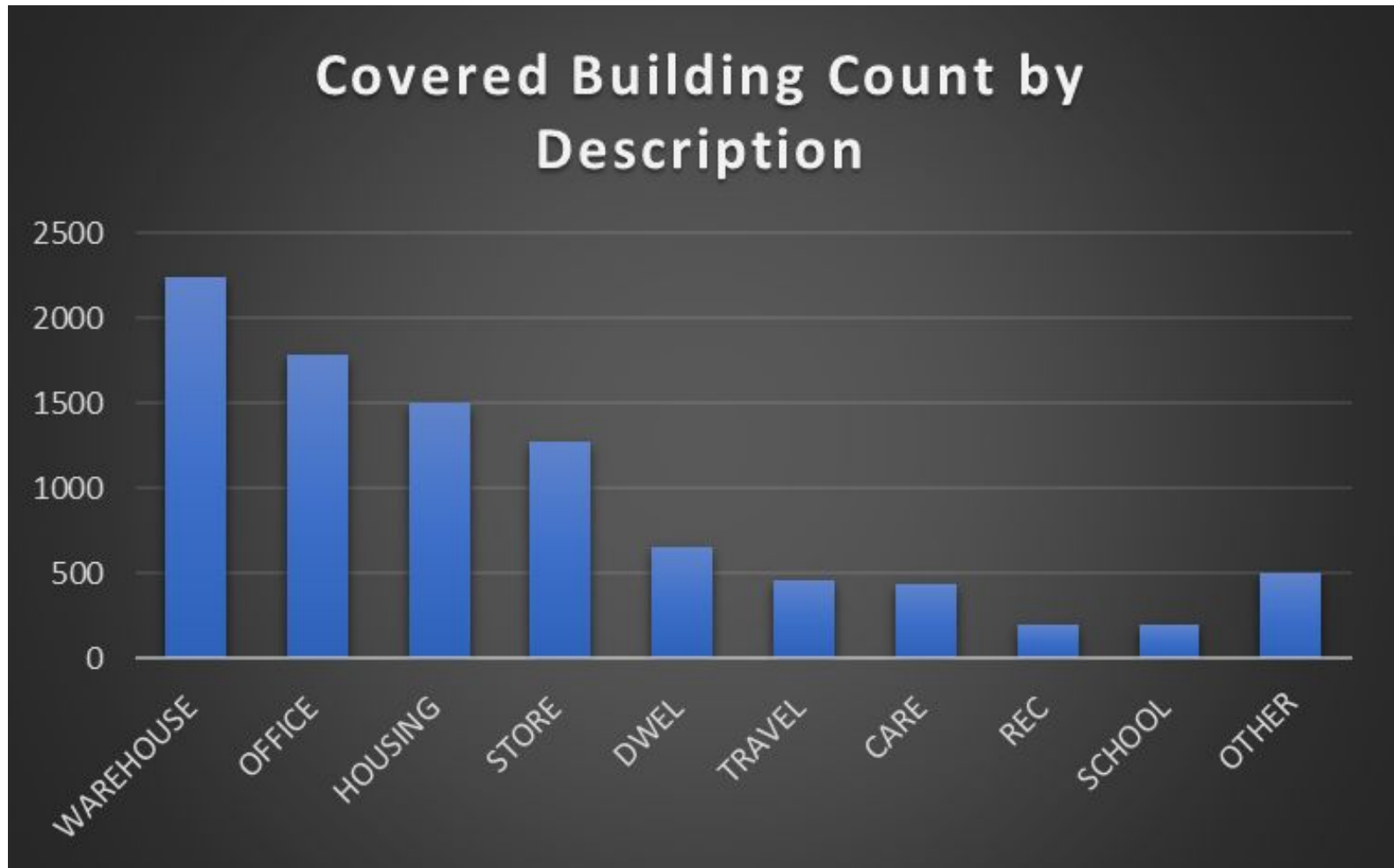


Location of Covered Buildings



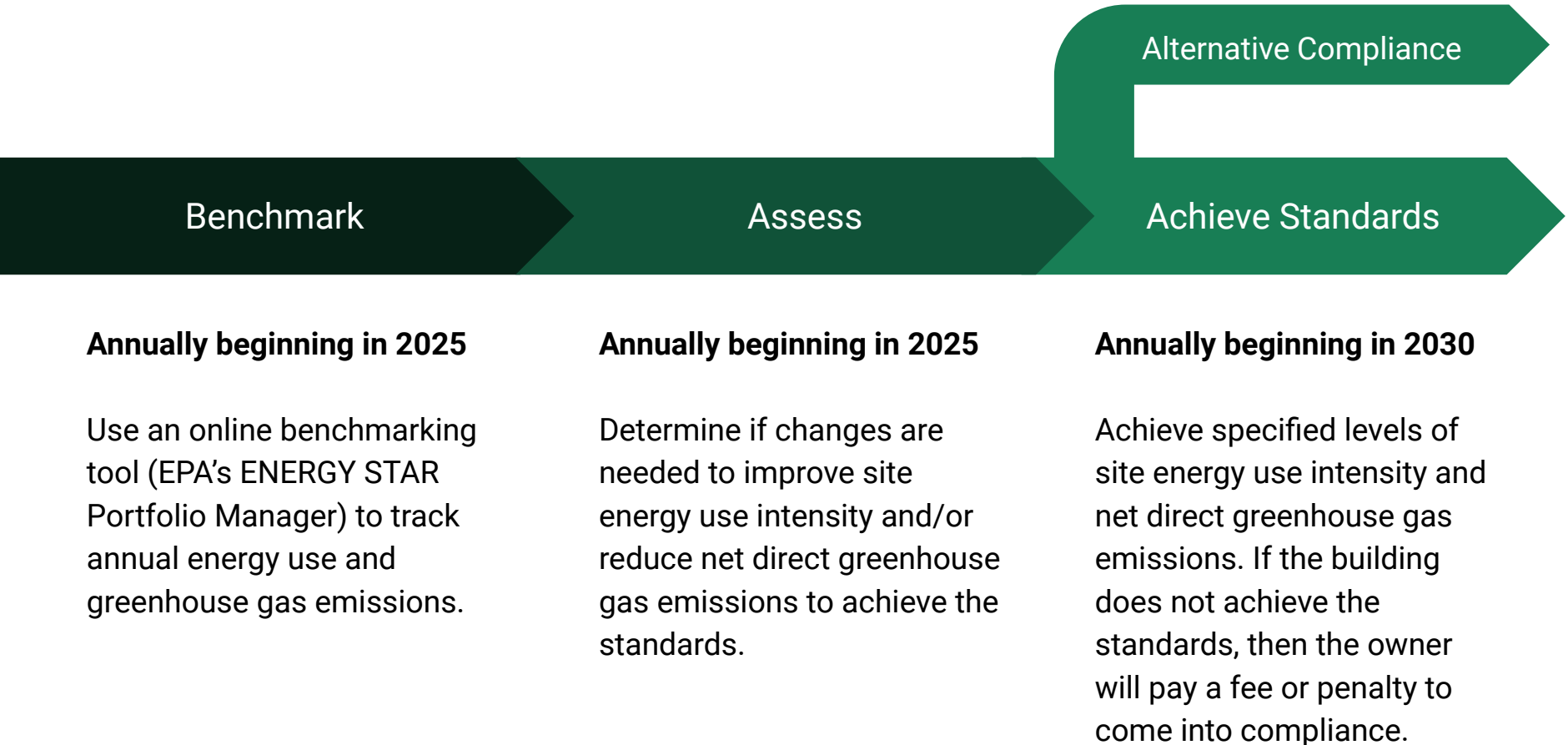


Distribution of Covered Building Types





Process for a Covered Building Owner





Performance Standards

The Maryland BEPS has two types of performance standards:

- Net Direct Greenhouse Gas Emissions Standards (“emissions standards”):
 - By 2030, achieve a 20% reduction as compared with 2025 levels for average buildings of similar construction
 - By 2035, achieve a 60% reduction as compared with 2025 levels for average buildings of similar construction
 - By 2040, achieve net-zero direct greenhouse gas emissions
- Site Energy Use Intensity Standards (“site EUI standards”):
 - By 2030, achieve progress on a straight line trajectory to the final standard
 - By 2035, achieve progress on a straight line trajectory to the final standard
 - By 2040, achieve the final standard



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Regulations Development



Code of Maryland Regulations

- All Maryland State agency regulations are compiled in the *Code of Maryland Regulations (COMAR)*
 - Available online through the Office of the Secretary of State, Division of State Documents (DSD)
 - Air pollution control regulations are found under Title 26 Subtitle 9 or 11
 - Radiation control regulations found under Title 26 Subtitle 12

The screenshot displays the Maryland.gov website's Division of State Documents search page. The header includes the Maryland.gov logo and navigation links for 'State Directory' and 'Stat'. The main content area features a search bar and a list of regulations under the heading 'Regulations by Title'. The list shows '26 - Department of Environment' with a 'Remove Filter' link, and '01 - GENERAL PROVISIONS' and '02 - OCCUPATIONAL, INDUSTRIAL, AND' as sub-items. The search results section is titled 'Search Regulations' and includes instructions on how to filter results by Title, Subtitle, or Chapter. A search input field is present with the placeholder text 'Search...'. The Windows taskbar is visible at the bottom of the screen.

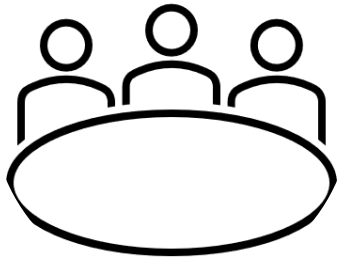


Air and Radiation Administration

- Pre-publication process
 - Development of regulations is a coordinated effort with affected and interested parties and state organizations
 - Presentation of regulation proposal to Air Quality Control Advisory Council (AQCAC)
- Publication adoption process
 - MDE submits the regulations to the Joint Committee on Administrative, Executive, and Legislative Review (AELR)
 - MDE submits to Division of State Documents (DSD) for publication
 - Notice of Proposed Action (NPA) in the Maryland Register
 - Public Hearing
 - MDE submits to Division of State Documents (DSD) for publication
 - Notice of Final Action (NFA) in the Maryland Register
 - Final Effective 10 days after publication date



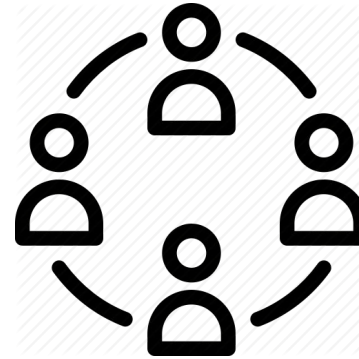
Regulatory Schedule – Key Dates



Propose
Regulation and
Present to AQCAC



Signatures for
Adoption Process,
AELR Review



Proposed
Regulation



Public Hearing and
Final Adoption





Contact

MDE BEPS website:

<https://mde.maryland.gov/programs/air/ClimateChange/Pages/BEPS.aspx>

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