Appendix F - Electric and Gas Company Reporting Requirements Working Group Session 1 – June 3, 2024 (MDE slide deck)

MD Building Energy
Performance Standards (BEPS)

Electric and Gas Company
Reporting Requirements Working Group

Session 1 of 3 - 6/3/2024 @ 1pm

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Session 1 Agenda

- Welcome & Introductions
- BEPS Background and Status Update
    - Building Owner Requirements
    - Electric & Gas Company Reporting Requirements
    - Reporting Timeline
- U.S. Environmental Protection Agency (EPA) ENERGY STAR Portfolio Manager Best Practices
- Review BEPS Requirements Checklist
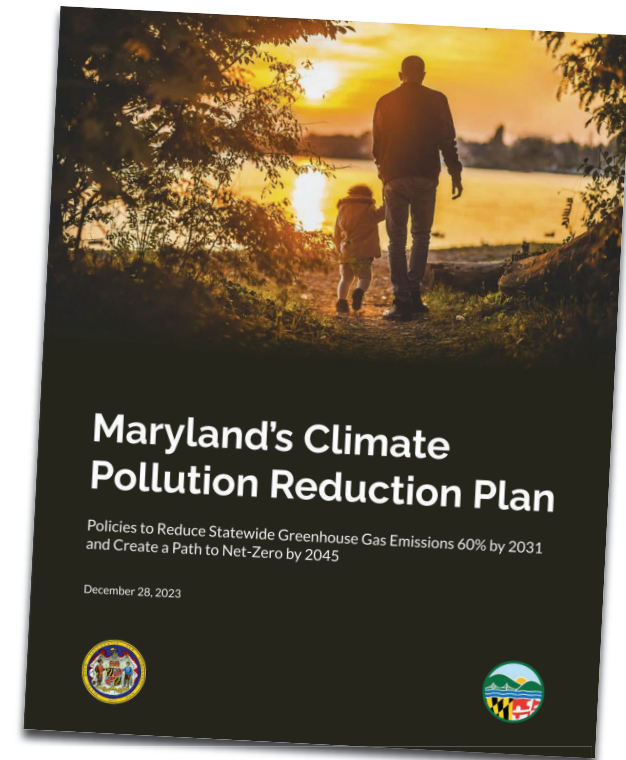- Next Steps and Discussion
- Feedback and Q&A

BEPS Working Group Purpose

- Review and prepare for the Maryland Building Energy Performance Standards (BEPS) Reporting Requirements of Electric and Gas Companies, as required by the Climate Solutions Now Act (CSNA) of 2022

- Inform and refine processes in the technical memorandum, "Technical Guidance and Calculation Methodologies to Comply with Building Energy Performance Standards;" develop supplemental resources such as white papers and instructional tools to support BEPS implementation and guidelines

BEPS Policy in Maryland

- The Climate Solutions Now Act of 2022 (CSNA) requires the Maryland Department of the Environment (MDE) to develop BEPS regulations that cover most large buildings in the state

- BEPS is a key part of fulfilling Maryland's CSNA required greenhouse gas reduction goals and subsequent Climate Pollution Reduction Plan

- **GOALS:** 60% statewide ghg reduction by 2031, and net-zero by 2045 (compared to 2006 levels)

Maryland's Climate Pollution Reduction Plan

Policies to Reduce Statewide Greenhouse Gas Emissions 60% by 2031 and Create a Path to Net-Zero by 2045

December 28, 2023

Read the plan @ **mde.maryland.gov**

BEPS Current Status

MDE intends to adopt a Building Energy Performance Standards (BEPS) regulation in 2024. Building owners should prepare to report benchmarking data to MDE by **June 1, 2025**. After using the benchmarking tool, building owners should determine if their buildings already achieve the proposed standards or if work is needed to achieve the proposed standards.

BEPS 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:
    - Historic buildings (individually designated as historic property under law);
    - Public or nonpublic elementary and secondary school buildings;
    - Manufacturing buildings;
    - Agricultural buildings; and
    - Federally-owned buildings

Building Owner Reporting Requirements

- Starting in 2025, annually collect previous calendar year whole building energy data for owned, covered building(s) and submit to MDE through Energy Star Portfolio Manager (ESPM) by June 1st

- Data must be submitted to MDE sorted by month and fuel type. Building owners will exclude energy consumption for certain end uses

- Use ESPM's data quality checker prior to submission and in certain years, have the data verified by a third party verifier

- Retain 5 years of historical data

Procedures for Building Owners

- Notification
    - Mailed
    - Unique building identifier for each building
- Exemption Requests
    - Individually evaluated
- Create a Portfolio Manager Account
    - Add all covered properties and their characteristics
- Request Utility Data
- Receive Aggregated Data
- Review Data
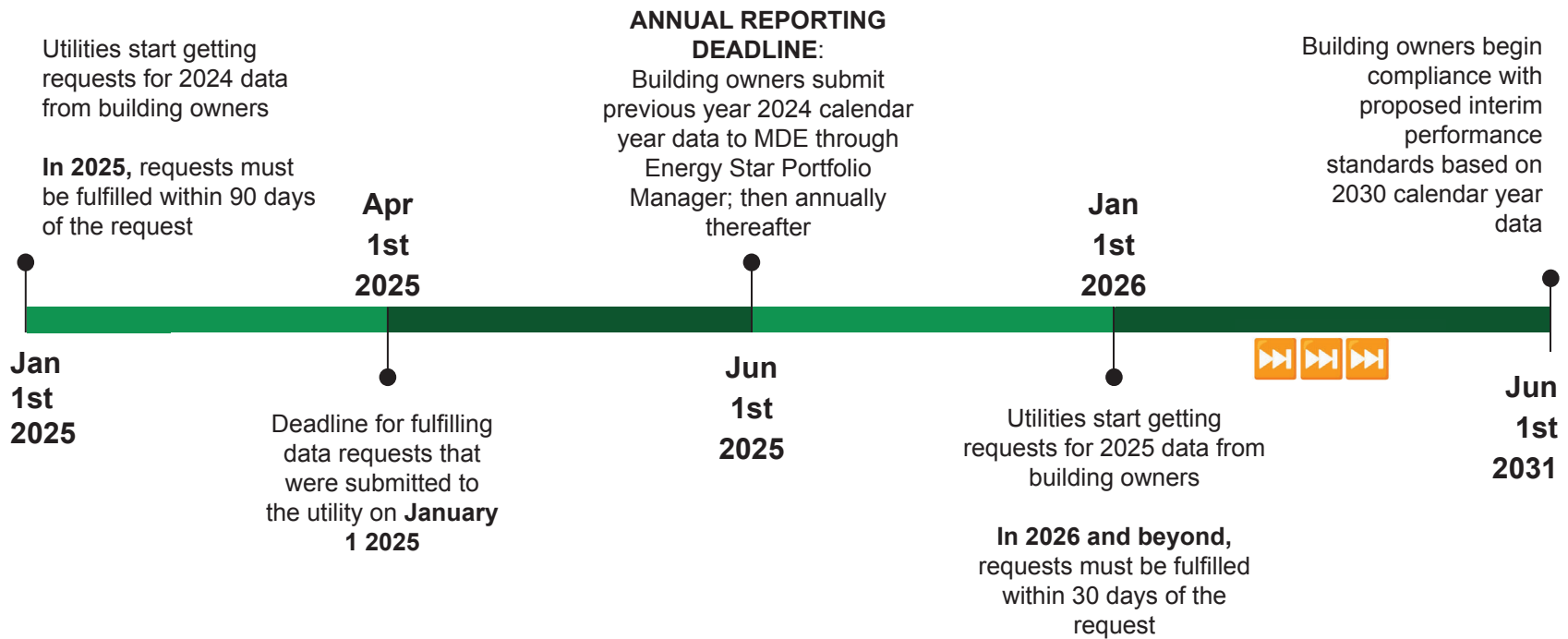- Share Properties with MDE via Web Services

Electric & Gas Company Reporting Requirements Effective January 1, 2025

- **Data Retention**
  - Maintain whole building energy data for no less than 5 years

- **Data Provision**
  - Provide annual whole building energy data (gross), aggregated on a monthly basis and by fuel type
  - On request within 90 days in 2025 and 30 days in 2026 and beyond

- **Aggregation Threshold**
  - ≥ 5 tenants: no authorization needed
  - < 5 tenants: written or electronic consent from each tenant (can be in lease)

- **Data Completeness and Accuracy**
  - Ensure all meters are aggregated and process is developed to confirm meters with building owner
  - Any meter/data errors must be proactively updated in delivery mechanism

- **Mechanism for Data Delivery**
  - Investor owned: > 40k customers must provide data through ESPM Web Services
  - All others: provide data via ESPM Web Services or a pre-defined spreadsheet format

Electric & Gas Co. Reporting Timeline

Utilities start getting requests for 2024 data from building owners

In 2025, requests must be fulfilled within 90 days of the request

Apr 1st 2025

ANNUAL REPORTING DEADLINE: Building owners submit previous year 2024 calendar year data to MDE through Energy Star Portfolio Manager; then annually thereafter

Jan 1st 2026

Building owners begin compliance with proposed interim performance standards based on 2030 calendar year data

Jan 1st 2025

Deadline for fulfilling data requests that were submitted to the utility on **January 1 2025**

Jun 1st 2025

Utilities start getting requests for 2025 data from building owners

In 2026 and beyond, requests must be fulfilled within 30 days of the request

Jun 1st 2031

Resources for Building Owners

- BEPS Website
  - Background
  - Quick facts
  - Potentially covered buildings list

- BEPS Management System (under development)
  - Deadline reminders
  - Training
  - Exemption applications
  - Non-compliance notices

- MEA Clean Buildings Hub (under development)
  - One-stop shop for resources
  - Leverage existing resources + programs

U.S. Environmental Protection Agency (EPA) ENERGY STAR Team

MDE Requirements Checklist

PROCESS	BEPS REQUIREMENTS	ENERGY STAR BEST PRACTICES	CURRENT STATUS
Data Retention			
Data Provision			
Aggregation Threshold			Submit responses to MDE by July 1
Data Completeness & Accuracy			
Mechanism for Data Delivery			

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Next Steps and Discussion

- Fill out the checklist

- Contact Energy Star with technical questions: statelocal@energystar.gov

- Mark your calendars: next session on July 11th @ 2pm

Questions?

Building Decarbonization Team

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BEPS Website

BEPS Email List