

This public meeting will include opportunity for public comment. During public comment periods, members of the public may submit any comments or questions by "raising their hand" or by typing in the chat box.

## **BERDO REVIEW BOARD**





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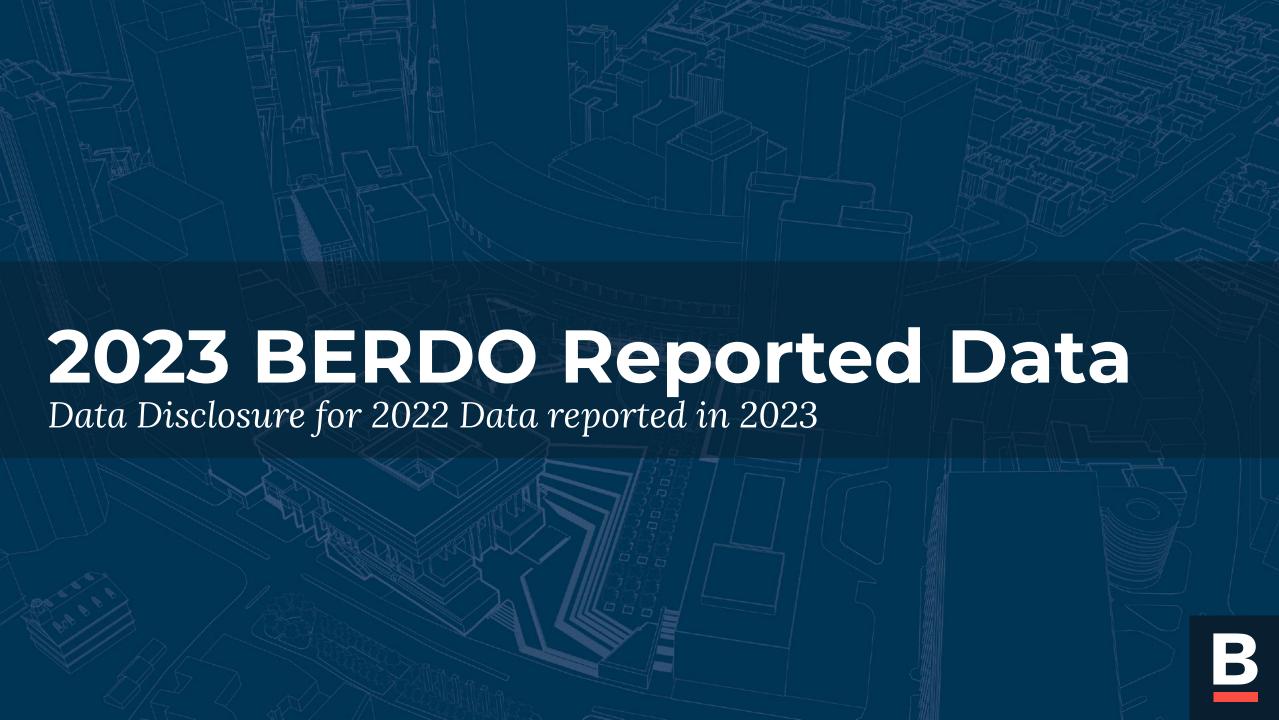


Today's Meeting

- 1. Approval of Meeting Minutes
- 2. 2023 Reported Data Disclosure
- 3. Administrative Updates
- 4. Meeting Adjournment





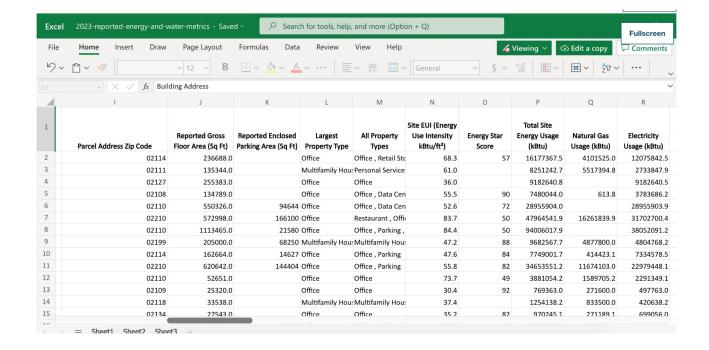


## **Data Disclosure**

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BERDO Data Disclosure on 2023 Reported Data

- 2022 data reported in 2023 is disclosed on Analyze Boston
  - <u>Link available</u> to download data
  - Data as of 9/27/23
- In process: Map with regularly updated compliance statuses
- Disclosure includes Emissions estimates



## **Projecting Emissions**



### Total Emissions = Amount of Fuel Consumed x Emissions Factor

#### What is an Emissions Factor

- Represents the amount of greenhouse gases released (measured in kgCO2e) by unit of fuel or energy consumed
- Describes how "dirty" or "clean" a fuel is

### Emissions factors for fuels were adopted in Phase 2 of the regulations development

• Regulations set Emissions Factors and methodology for electricity from the grid, district energy systems, natural gas, fuel oil, and other energy sources

# **How the City Estimated 2022 Building Emissions**



#### To calculate these estimates, we:

- Used reported energy and building data
- Used default Emissions Factors
- Did not include any possible renewable energy purchases
- Only used a Building's primary use (did not calculate a blended Emissions standard)
- Did not group buildings together that will likely apply for a Building Portfolio
- Did not consider other flexibility measures

Actual emissions compliance will be different from these estimates.

## **Projections for 2025**

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What we're seeing for the first year of emissions compliance

Of the approximately 2,600 buildings that reported\* in 2023, the City projects that:

- Approximately 1,400 have an emissions limit in 2025
- If nothing changes,
  - Approximately **1,000** of those will remain within their emissions limit without taking any action in 2025
  - Approximately **310** will exceed their emissions limit in 2025
    - About 160 could purchase renewable electricity to comply with their emissions limit in 2025
    - About 150 may need to purchase renewable electricity and take action in their building, or apply for a flexibility measure in 2025

\*We do not have estimates for buildings that did not report in 2023

#### Flexibility measures:

- Portfolios
- Individual Compliance Schedule
- Hardship CompliancePlan

Remainder need additional data to project emissions and potential compliance





A look at the different building types that will likely need to take action in 2025\*

## Assembly

### University

• Almost 90% of which are over 100,000 SF and are likely eligible to be part of a portfolio

### Manufacturing/Industrial

#### Healthcare

### **Multifamily Housing**

Approximately 33% of which are Condominium Buildings

#### Office

About 70% of which are mixed-use buildings

\*These insights do not factor in potential flexibility measures

## **Planned Next Steps**



- Outreach to Building Owners with a 2025 Emissions Limit
  - Share their Emissions profile
  - Discuss renewable energy options, including BCCE
  - Discuss incentives for energy efficiency and electrification work, including Mass Save
  - Share flexibility measures
- BERDO Emissions Scorecard for building Owners
  - Provides Building Owners with an overview of their Emissions data
- Public BERDO Emissions Calculator
  - Provides the ability to estimate Emissions and compare against future Emissions limits
- Grant programs to support "Zero over time" planning and action







**Adjourn** 

Thank you for your participation!

