

# Building Performance Advisory Group

## Meeting 3: Policy Design Part II

November 12, 2019



THE CITY OF  
**COLUMBUS**  
ANDREW J. GINTHER, MAYOR

DEPARTMENT OF BUILDING  
AND ZONING SERVICES



# Welcome

Erin Beck, Mayor's Office

Tony Celebrezze, Department of Building & Zoning Services

# Agenda

1. Welcome & introductions
2. Data transparency
3. Open forum

# Objectives for our time together

- Provide input on policy considerations for energy efficiency in large existing buildings
- Identify barriers and solutions to increasing energy efficiency
- Advise on implementation planning to achieve maximum potential
- Suggest resources and tools to support building owners

# Ground rules

- Practice democracy of time
- Chatham house rule
  - “When a meeting, or part thereof, is held under the **Chatham House Rule**, participants are free to use the information received, but neither the identity nor the affiliation of the speaker(s), nor that of any other participant, may be revealed.”
- Consider short and long term implications of policy options
- Deliberation must be positive and future-directed

# Progress to date

- History of sustainability & energy efficiency in Columbus
- Importance of energy efficiency in buildings
- Overview of benchmarking compliance process
- Comparison of peer city policies
- Discussion of building types & sizes
  - Multifamily housing & data access
  - Industrial buildings & potential exemptions
- Presentation of data transparency metrics & distribution methods

# Data Transparency



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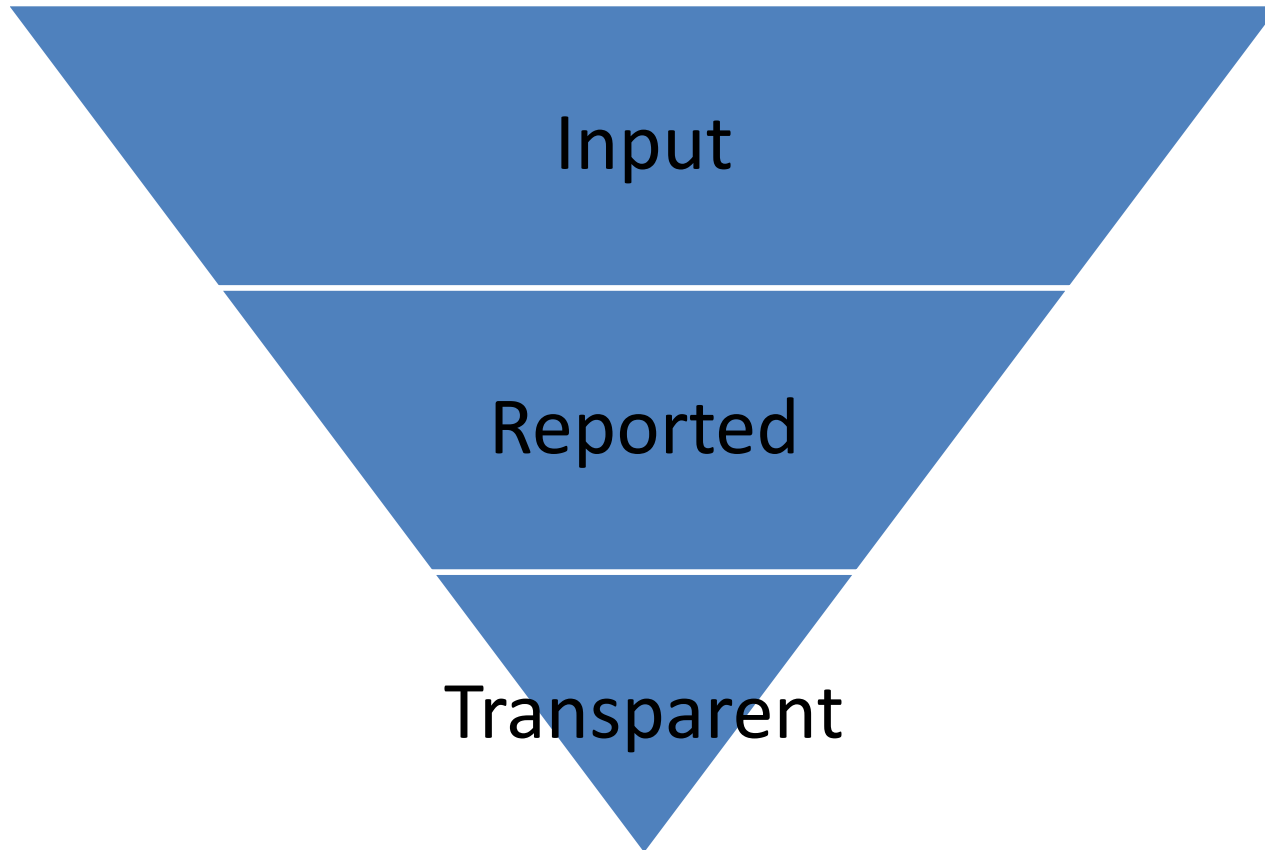


# Benchmarking compliance process

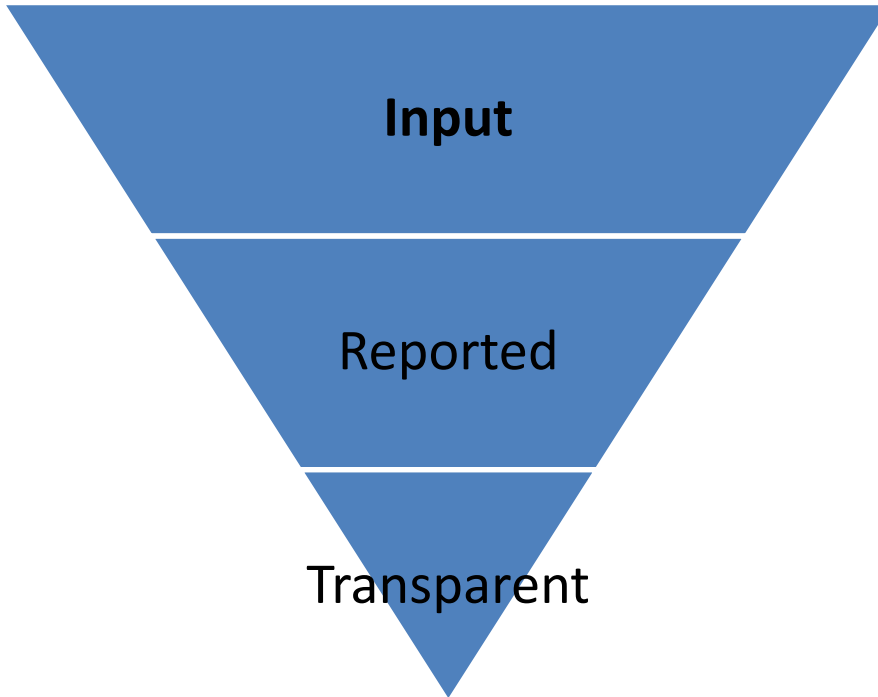




# Data transparency process



# Data input



**Data Required for All Properties**

Property Name \_\_\_\_\_

Property Address \_\_\_\_\_

Total Gross Floor Area of Property \_\_\_\_\_ Sq. Ft./Sq. M.

Irrigated Area \_\_\_\_\_ Sq. Ft./Sq. M./ Acres

Year Built/Planned for Construction Completion \_\_\_\_\_

Occupancy \_\_\_\_\_ %

Number of Buildings \_\_\_\_\_

**Office Uses**

**Data Collected for Office Uses**

The following information is required to get an ENERGY STAR Score (if eligible):

Gross Floor Area \_\_\_\_\_

Weekly Operating Hours \_\_\_\_\_

Number of Workers on Main Shift \_\_\_\_\_

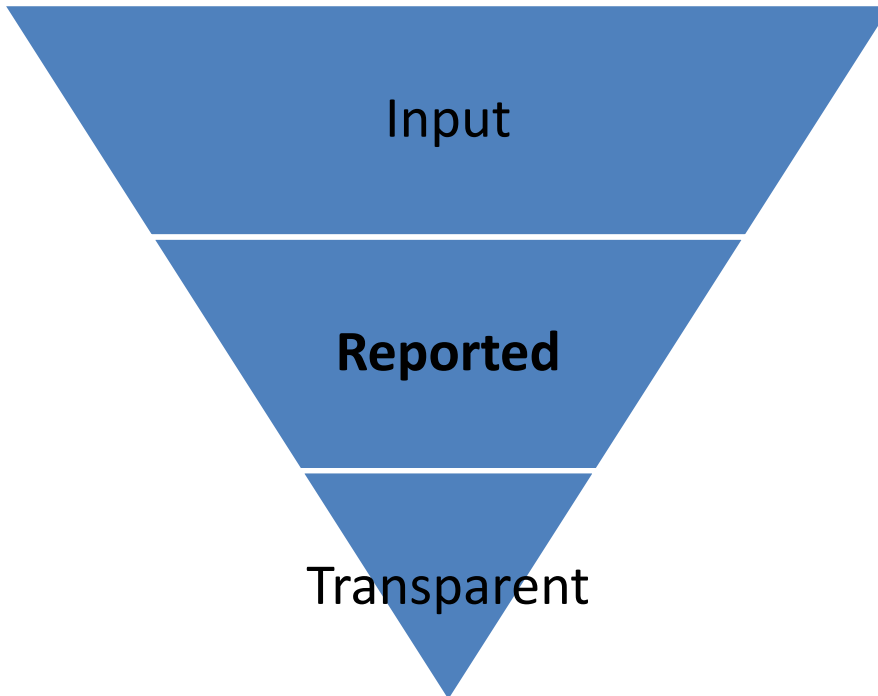
Number of Computers \_\_\_\_\_

Percent That Can Be Cooled \_\_\_\_\_

The following information is optional and not used to calculate a score; it may inform future analysis and score revisions by EPA and/or may help you manage and compare your properties:

Percent That Can Be Heated \_\_\_\_\_

# Data reported



## Subset of Data Fields

Property Name, Address, Type, Size

ENERGY STAR Score

Site EUI or Source EUI (kBtu/sq. ft.)

Weather Normalized Site or Source EUI (kBtu/sq. ft)

Total GHG Emissions (mt CO<sub>2</sub>e)

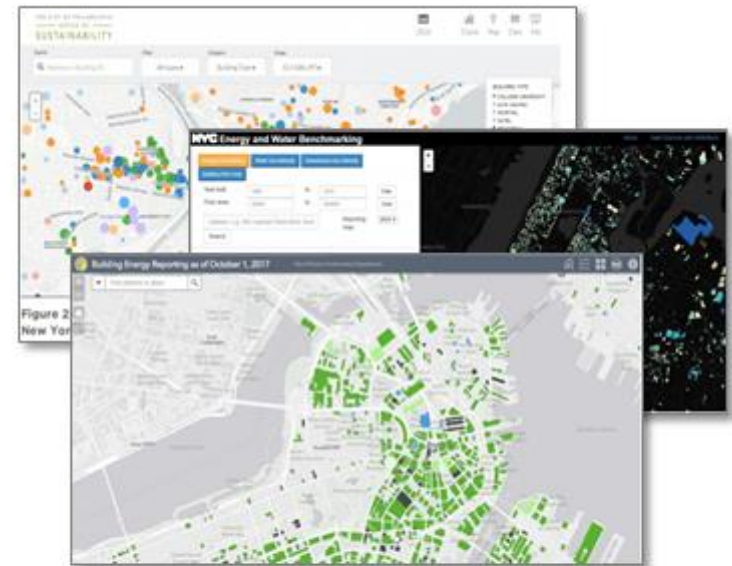
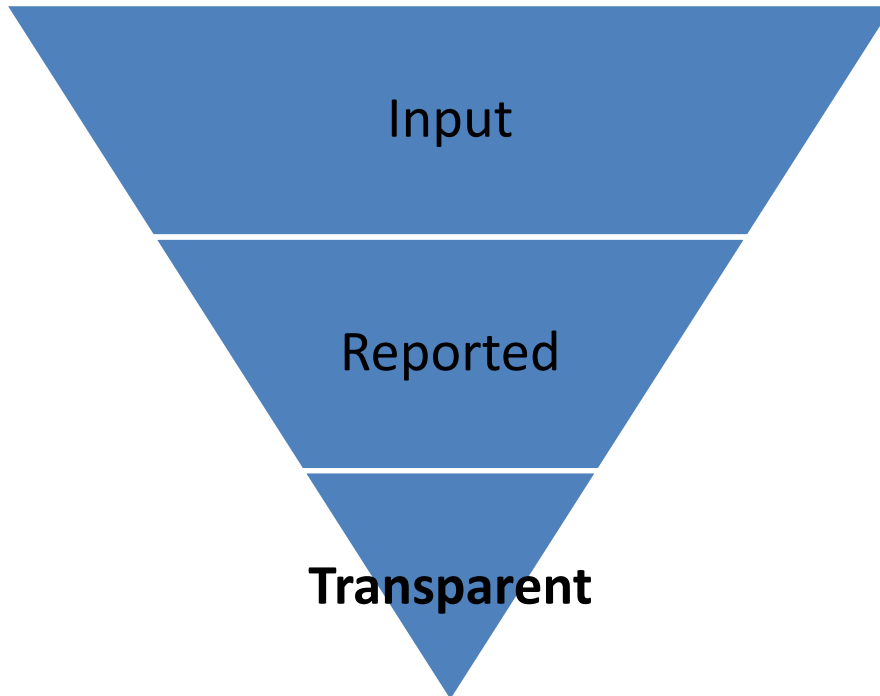
% Difference from National Median Source EUI

Default or Temporary Values

List of All Property Use Types

Property Notes

# Data made transparent



*Visualizations for the Cities of Philadelphia, New York, and Boston (top to bottom)*

# Transparency activity

- Three stations set up around the perimeter of the room
  - Philadelphia visualization portal
  - Seattle visualization portal
  - Individual building scorecards
- Rotate through all three stations
  - Provide comments on features
  - Report out to group

# Transparency activity review

- Typical features
  - Interactive map
    - Searchable by building name, address, building ID number
    - Filterable by building type, size, neighborhood, performance metrics
    - Individual building profiles with current & historical performance metrics
  - Data from full list of buildings reported can be viewed in table and/or download in Excel/CSV
  - Aggregated program-wide statistics available
  - Annual reports show progress to date & over time

# Open Forum



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# Open forum

- Compliance questions?
- Technical assistance needs?
- What networks can we leverage to notify building owners?



# Looking Ahead



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## Next month...

- Discussion around policy direction
- Exemption requests
- Data verification
- Resources library & support tools
- Outreach & engagement

## Upcoming meeting schedule

- September 5, 2019 - *Setting the Context*
- October 8, 2019 - *Building Performance Policy Design Part I*
- November 12, 2019 - *Building Performance Policy Design Part II*
- December 10, 2019 - *Confirming Advisory Group Recommendations*
- January 14, 2020 - *Policy Implementation*

All meetings held from **9am-11am** at the Coleman Government Center, 111 N. Front Street, 2nd Floor Hearing Room.

# For More Information:

**Visit us online at** [columbus.gov/sustainable/benchmarking](http://columbus.gov/sustainable/benchmarking)

**Email us at** [benchmarking@columbus.gov](mailto:benchmarking@columbus.gov)

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