



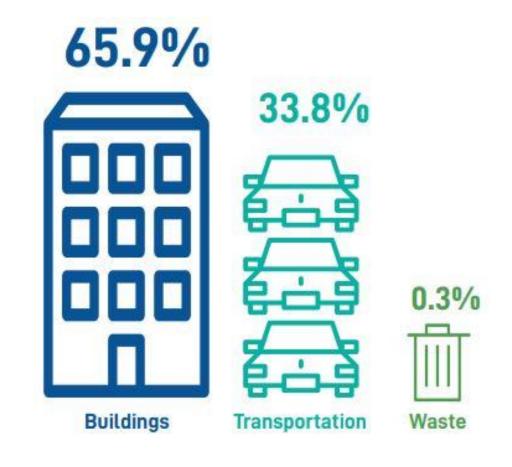
Indianapolis Office of Sustainability



Achieving Carbon Reduction Goals

- Zero Net emissions by 2050
- 50% reduction by 2030





Energy and Water Benchmarking 101



Meter Consumption



- Electricity
- Gas
- Steam
- water



Building Characteristics



Energy Use Intensity (EUI)

kBtu/sqft/yr

- Area
- Type
- Schedules
- Occupancy

ENERGY STAR Score (1-100)



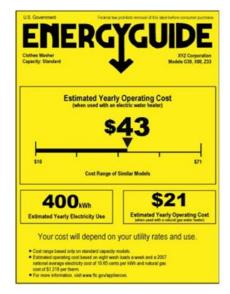
MARKET TRANSFORMATION AND TRANSPARENCY















AMERICAN CITIES CLIMATE CHALLENGE

Benefits of Benchmarking & Transparency

Indianapolis could see a wide range of benefits by 2030



an estimated \$16 million in annual utility bill savings for building owners



resulting in a 27% reduction of our CO2 emissions within the built environment



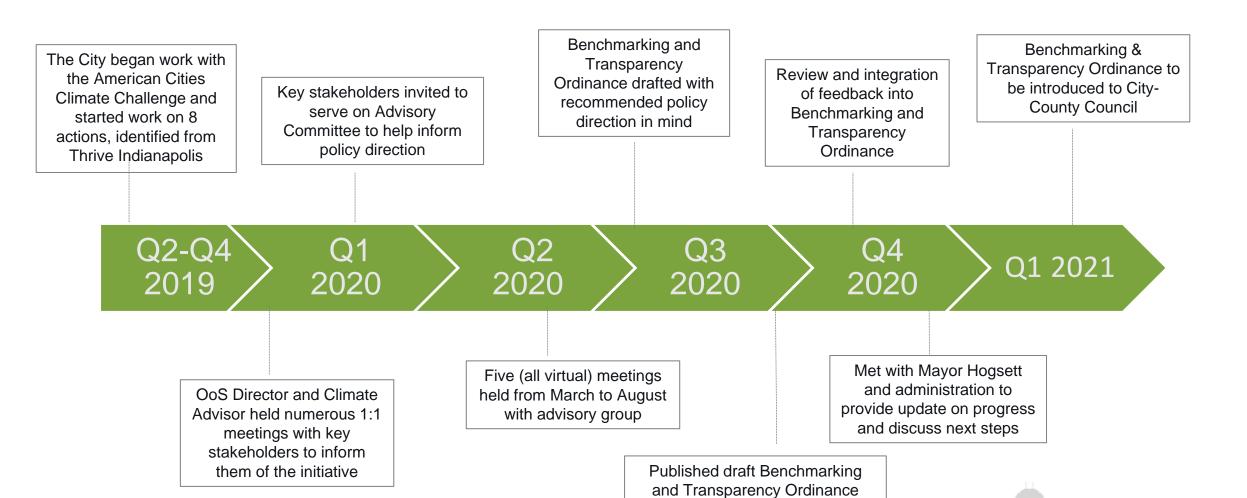
as much as 1,400 direct and indirect jobs will be created



and \$77 million in public health savings due to improved air quality

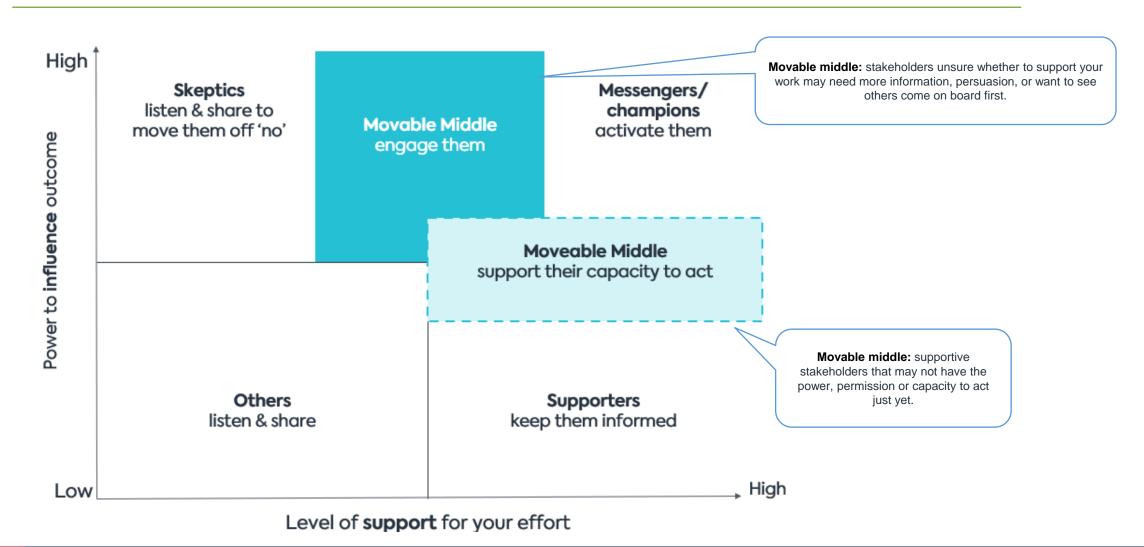
Impact Study prepared by Greenlink Analytics

Ordinance Development Process



online to gather public feedback

Stakeholder Mapping & Convening

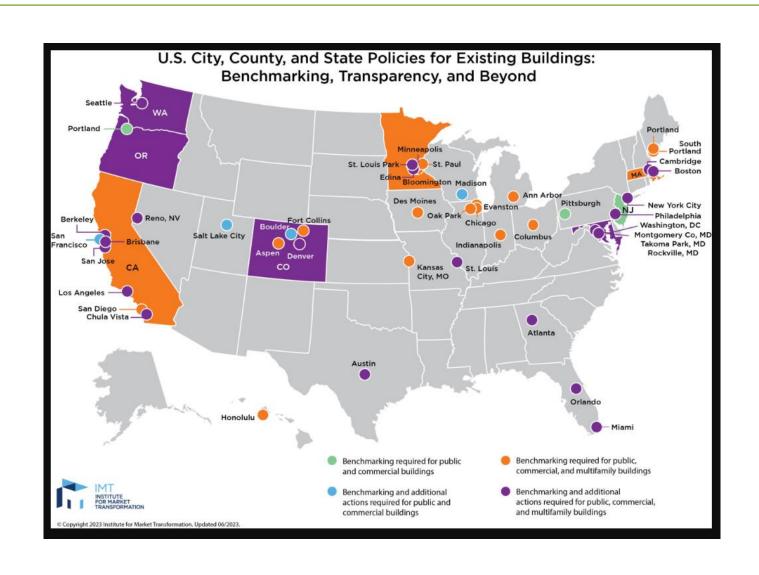


Incorporating Stakeholder Feedback

Key pieces of feedback represented in the final draft:

- 1) Multi-phase implementation timeline
- 2) Ordinance square footage requirements and platforms to utilize
- Exemption eligibility including lack of data availability from utility for specific building owners
- 4) Notification of compliance requirements & penalty amounts
- 5) Creation of an Energy and Water Efficiency Fund to direct collected fines
- 6) Education & outreach 4 outreach and educational opportunities per calendar year

Benchmarking in Peer Cities & Additional Resources



Ordinance Implementation

- Creation of full-time employee position
- Mailers, social media, and other outreach and engagement strategies
- Software needed to manage compliance tracking and data analysis
- Ongoing collaboration with key stakeholders, Data Jams to support building owners
- Rewarding building owners who have benchmarked with opportunity for free anergy audits



THRIVING BUILDINGS



This energy profile details the estimated annual energy costs and expected annual energy usage of this building. It also highlights energy upgrades and improvements made to increase the building's efficiency. The profile includes further recommendations that can help to achieve more efficiency and energy costs savings.

BUILDING INFORMATION

LOCATION:

77 MASSACHUSETTS AVE CAMBRIGE, MA 02139

YEAR BUILT:

1895

GROSS FLOOR AREA:

100000 Sq.Ft.

REPORT INFORMATION

PROFILE CREATION DATE: 11/14/2023

REPORTING YEAR:

2022

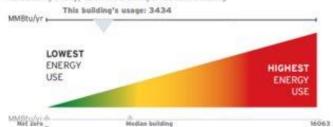
Brought to you by the Building Energy Analysis Manager



3434 MMBtu

Annual Energy Usage

The building energy use with 0 being a net zero building



\$10,000

building /

Annual Energy Cost

Estimate includes electricity and fuels from ENERGY STAR Portfolio Manager



Insights & Trends

- This building generated 20000 KWh of solar or wind on site
- This building has an electric vehicle charging on-site
- This building's greenhouse gas emissions was: 150 metric tons CO2e
- This building's energy use intensity was: 3434 MMBTU/ft2
- The national median energy use intensity for a hotel was: 50 MMBTU/ft2

Take Action!

The following actions can help you save money on your energy costs for years to come

- For information about solar energy options please visit this link.
- For energy efficiency building tune ups please view the following Link I and Link 2.
- For places of worship interested in making their building more energy efficient please visit Faith in Place.
- For information regarding financing building tune ups please click here.
- For schools looking for funding a building tune up please click here.
- For a list of Energy Star service providers who can perform building tune ups please visit Energy Star.

Morgan Mickelson, MSc

Morgan.Mickelson@indy.gov

Madison Byarley, MPA

Madison.Byarley@indy.gov













SUSTAIN.INDY.gov

