



# Thrive Indianapolis & Equitable Climate Action

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# Overview of Discussion

## Introduction to Panelists

## Presentation

Background information on Office of Sustainability

Introduction to Thrive Indianapolis

Explore intersection of climate change and specific issue with panelists

## Discussion amongst audience at tables

Wrap up, share final thoughts, question and answer with panel

# Office of Sustainability | @SustainIndy

## MISSION + VISION

The Office of Sustainability leads by inspiring lasting environmental, economic, and neighborhood vitality through collaboration, education and community action. The Office of Sustainability envisions Indianapolis as a resilient community of inclusive, healthy and happy neighborhoods.

## AREAS OF FOCUS

Thrive Indianapolis implementation, Thriving Buildings – energy benchmarking ordinance implementation, Greenhouse Gas Emissions inventory and compliance reporting, Knozone – air quality awareness campaign, Highly EVolved – electric vehicle awareness campaign, It's My City Contract management (tree planting and litter pick-up)

## Climate hazards and health risks (1-3)



### Health and development indicators

#### 166 335 people

From 2012 to 2016, an estimated 166 335 people in Marion County were living below the federal poverty line and were located in a flood zone (4).

#### US\$ 53 per person

In 2019, Indiana ranked 41st in the country for public health funding with only US\$ 53 state and federal dollars dedicated per person (5).

#### 20% of children

In 2018, one in five children in Marion County was affected by chronic asthma. This is double the rate in the state of Indiana and the US average (6).<sup>1</sup>

### Air pollution<sup>3</sup>

#### 2<sup>nd</sup> highest

In 2019, Indianapolis area is ranked as the 2<sup>nd</sup> highest level of ambient air pollution<sup>3</sup> in the state (15, 16).

#### 13<sup>th</sup>

The Indianapolis metropolitan area is ranked as the 13<sup>th</sup> most air polluted US city, based on mean annual particulate matter (PM<sub>2.5</sub>) (16, 17).

#### 60%

Sixty per cent of the Indianapolis population is especially vulnerable to poor air quality (7).

#### BreatheLife City - X

Indianapolis is not part of the BreatheLife global campaign to mobilize cities to address air pollution (18).<sup>3</sup> Indianapolis does adhere to reporting standards set by the US Environmental Protection Agency.

<sup>1</sup> Air pollution and climate hazards, such as heatwaves, increase the risk of cardiovascular diseases and respiratory conditions. They pose a particular risk to vulnerable groups, such as older people, children, and those with chronic respiratory conditions or pre-existing medical conditions (4, 7).

<sup>2</sup> In this context, historic values represent an average value between the period of 1951-2014. Estimates are high emissions scenario.

<sup>3</sup> Many of the drivers of climate change, such as inefficient and polluting forms of energy and transport systems, also contribute to air pollution.

<sup>4</sup> Ambient air pollution in this context refers to fine particulate matter with diameter less than 2.5 microns (PM<sub>2.5</sub>).

<sup>5</sup> The BreatheLife Network and global campaign is a collaboration between WHO, the Climate and Clean Air Coalition, the United Nations Environment Programme, and the World Bank.

2022

## HEALTH AND CLIMATE CHANGE URBAN PROFILE Indianapolis

This World Health Organization (WHO) health and climate change urban profile presents a snapshot of key climate hazards, climate-sensitive health risks and the potential health benefits of climate change adaptation and mitigation. The profile does not provide comprehensive information on all climate hazards, vulnerability factors or health risks but rather provides examples of some immediate risks based on available evidence and reported priorities and initiatives. Outlined in this profile are opportunities to promote policies and projects that protect the climate and environment while having large immediate health benefits at the local level.

Developed in collaboration with the City of Indianapolis Office of Sustainability

# Climate Change is an Equity Issue

**The root causes of climate change, environmental injustice and racial inequality are the same.**

On a global scale:

- The United Nations has recognized climate change as a ‘threat multiplier’, especially for women and girls

On the local level:

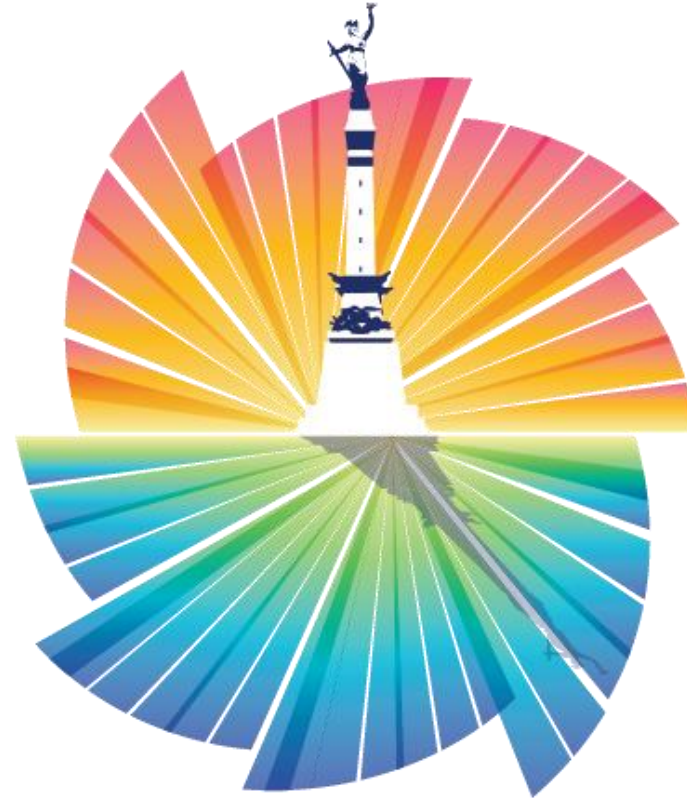
- Successful solutions prioritize marginalized communities – targeted universalism

# Thrive Indianapolis

Indy's Plan for Community Resilience + Sustainability

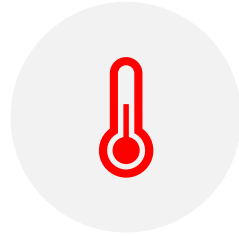
A **sustainable** Indianapolis provides equitable services and supports inclusive, healthy, & happy neighborhoods.

A **resilient** Indianapolis is better able to anticipate, adapt, & flourish in the face of change.



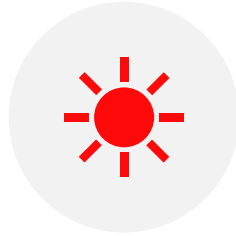
**Vision |** Indianapolis is an authentic, inclusive city with healthy, happy, and resilient neighborhoods

# Climate Change in Indianapolis



**2.2°F**

**INCREASE IN  
AVERAGE  
ANNUAL  
TEMPERATURE**



**10 TO 15**

**ADDITIONAL  
DAYS  
OVER 95°F IS  
PROJECTED  
BY 2050**



**16.1%**

TOTAL  
ANNUAL  
PRECIPITATIO  
**N INCREASE**  
SINCE 1950



**4%**

TOTAL  
VOLUME OF  
RAINFALL  
**INCREASE**  
SINCE 1981

# Planning & Engagement

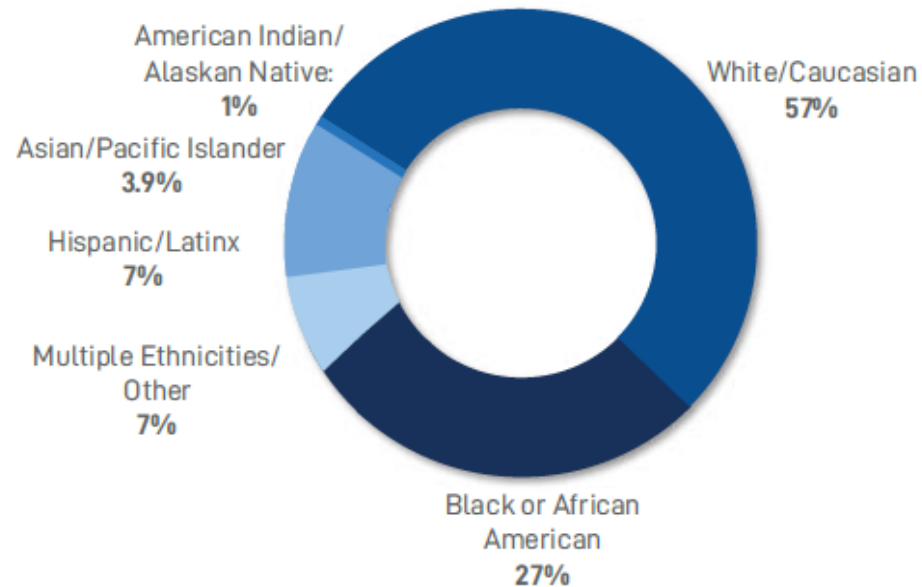
Total Reach: **265,000+ residents**

Total Events: **150+**

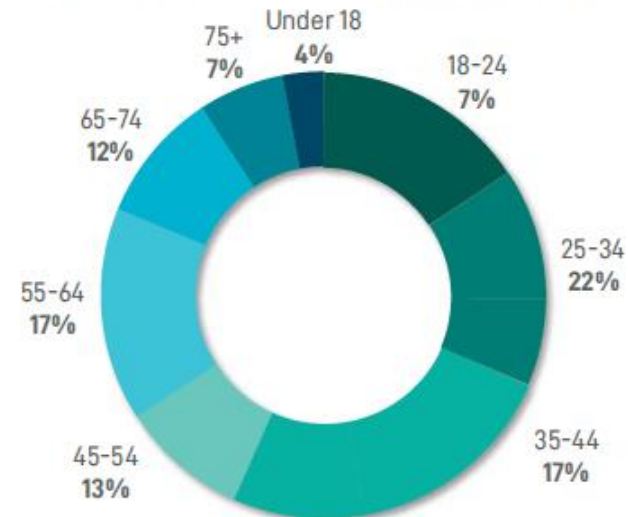
Total Survey Respondents: **3,152**

**Focus Groups** included residents self-identifying as **homeless, formerly incarcerated, low-income, or veteran**

**RACE/ETHNICITY DISTRIBUTION**



**PARTICIPATION AGE DISTRIBUTION**

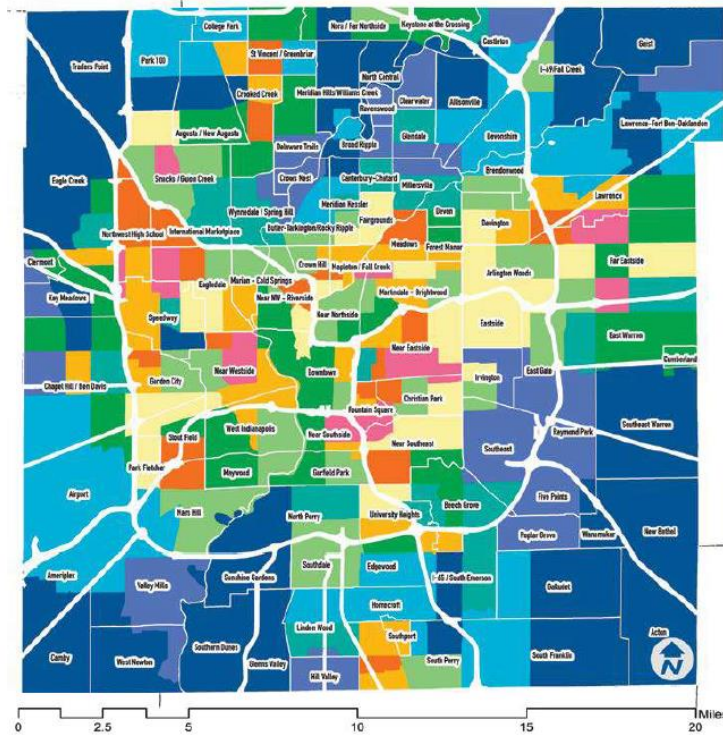


*Note: Total is slightly less than 100% due to a few respondents selecting more than one answer choice and/or rounding.*



# Climate Impacts and Social Vulnerability in Indianapolis

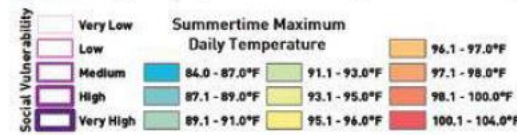
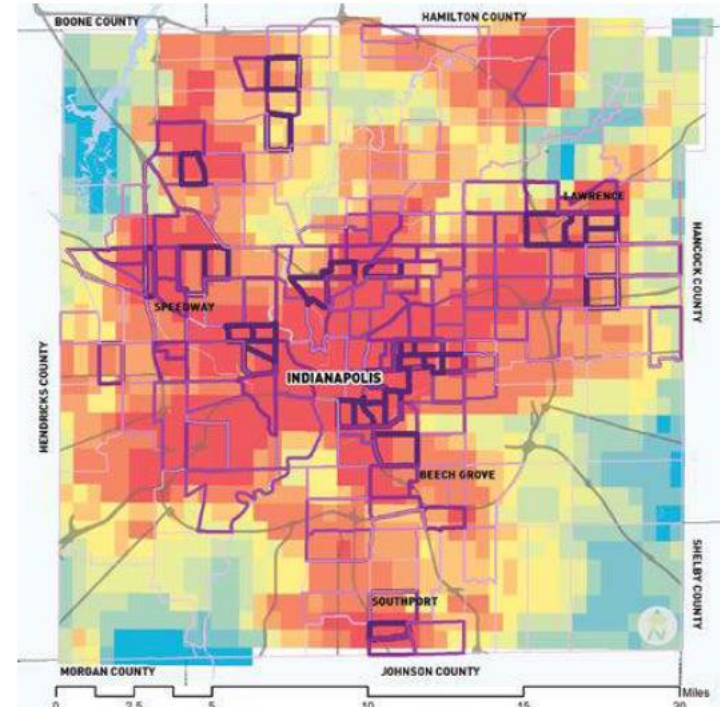
## Social Vulnerability



\*Equity Index is based on combined densities of people below 200% of the federal poverty level, adults aged 65 and over, youth under 17, no-vehicle households, people with a disability, people with limited English prof. literacy, renters, people over 18 without a high school diploma, households receiving SNAP or food stamps, households where mortgage is >30% of income, and people who self-describe as non-white/Caucasian.



## Summertime Maximum Daily Temperature



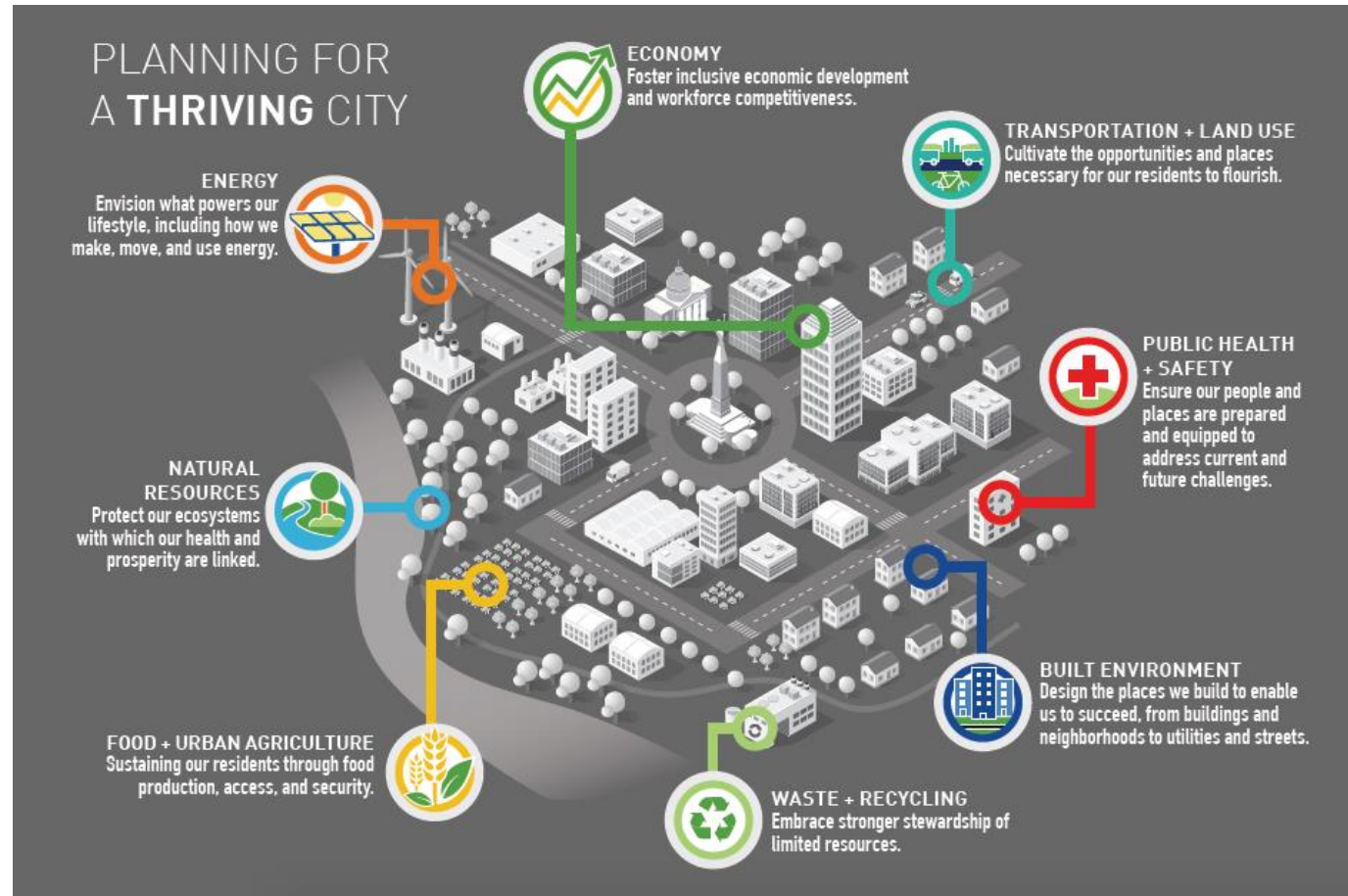
Equity Index is based on combined densities of people below 200% of the federal poverty level, adults aged 65 and over, youth under 18, no-vehicle households, people with a disability, people with limited English proficiency, renters, people over 18 without a high school diploma, households receiving SNAP or food stamps, households where mortgage is >30% of income, people who self-describe as non-white and unsheltered homeless.

Data Source: NASA EOS, US Census

# Thrive Components

- **Two** overarching goals related to **climate change**:
  1. Increase community resilience by **prioritizing equity in policy, planning, & project implementation**
  2. Achieve **net zero greenhouse gas (GHG) emissions by 2050**
- **Four** Core Values
  - Capacity Building | Equitable Services | Poverty Reduction | Fiscal Responsibility
- **Eight** Plan Elements
  - Built Environment | Economy | Energy | Food & Agriculture | Natural Resources | Public Health & Safety | Transportation & Land Use | Waste & Recycling
- **16** Key Objectives & **59** Action Items
- **20** Performance Metrics
- **Nine** Output Metrics

# Plan Elements, Objectives & Action Items



# Panel Discussion



# PUBLIC HEALTH & SAFETY

## OUR VISION

The health and safety of the public is a priority and is addressed through community programs that promote overall well-being and physical activity as well as work to ensure that all residents are safe, have access to affordable healthcare and are prepared for climate- and human-related hazards.



# ECONOMY

## OUR VISION

Indianapolis is a world-class city with a resilient, diverse and inclusive economy that ensures good paying and fulfilling jobs as well as upward economic mobility opportunities for all.



# FOOD & URBAN AGRICULTURE

## OUR VISION

All residents have access to healthy, affordable food, and we have created pathways to grow our agricultural sector.



# NATURAL RESOURCES

## OUR VISION

Natural Resources are clean, conserved and restored where possible and accessible for all members of the community to enjoy.





# TRANSPORTATION & LAND USE

## OUR VISION

Transportation & Land Use are connected systems that focus on equitable accessibility to multiple modes of low-emission transportation and development that creates active living spaces that are affordable, multi-use and foster inclusive neighborhoods.

# Table-Top Exercise & Discussion

# Group Discussion & Wrap-up



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