

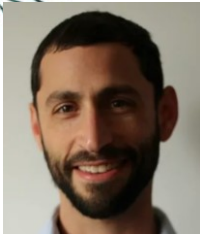


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AGENDA

- Introductions (5 min)
- Overview of the Climate Strategy Work (10)
 - Why are we doing this?
 - Goals
 - Outcomes
 - Schedule
- Questions about the Work (7)
- Guided Discussion (8)





**Justin
Schott**



Hank Love



**Dr. Tony
Reames**



**Briana
DuBose**



Tim Skrotzki



Jim Saber



**B. Anthony
Holley**



Jen McGraw



**Lindy
Wordlaw**



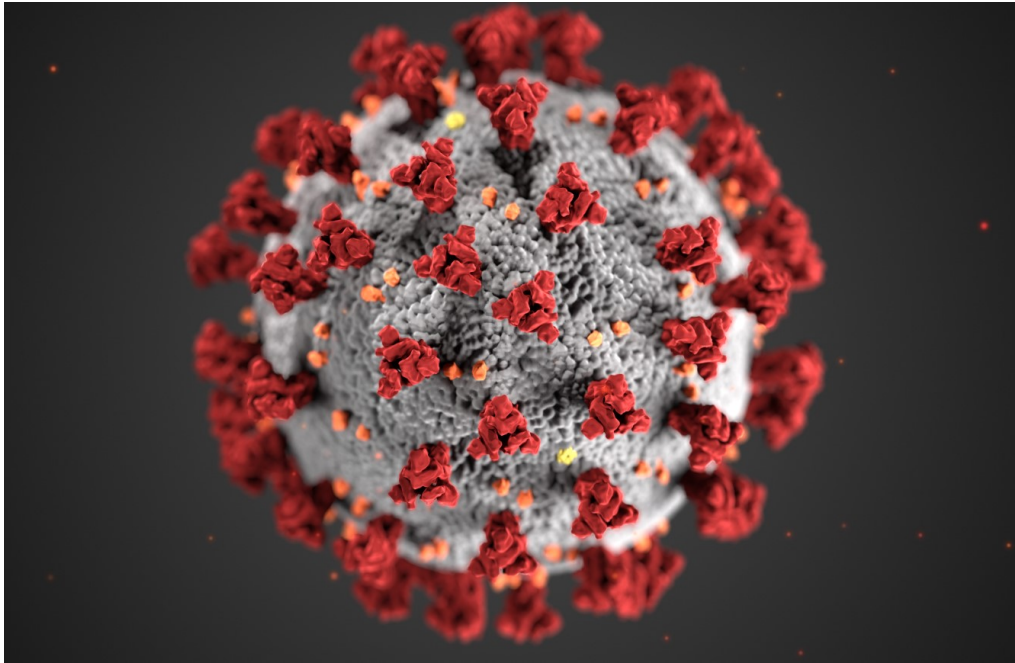
**Stephanie
Quesnelle**



Eric McDonald



CONNECTIONS WITH COVID & RACIAL JUSTICE



**BLACK
LIVES
MATTER**

CITY OF DETROIT Sustainability Timeline

2009



Food Security

The Detroit Food Policy Council is established, after the Detroit Black Community Food Security Network drafts the city's first food security policy

2010



Upgrades

City of Detroit invests \$9.5 million in energy efficiency and conservation upgrades into 19 of its buildings

2011



Curbside Recycling

Public Works launches a Curbside Recycling Pilot program for single family homes in response to Zero Waste Detroit's multi-year campaign

2012

GHG Assessment



Ordinance

City Council passes Urban Agriculture Ordinance

2013

2015



Greenhouse Gas

First Greenhouse Gas Inventory is completed for Detroit



Green Demolition - Healthy Demolition

City of Detroit adopts Green Demolition - Healthy Demolition practices in partnership with the US EPA and Michigan Department of Environmental Quality

2014

2016



Parks

City of Detroit announces plans to renovate 40 neighborhood parks



LED

City of Detroit completes city-wide LED streetlight conversion



Solar Park

Ground breaking on O'Shea Solar Park, the city's first urban solar array

2017

2018



Paris Accord

Mayor Duggan commits the City of Detroit to meet the Paris Agreement goals



Office of Sustainability

City of Detroit creates the Office of Sustainability



2030 District

Detroit's 2030 District launches



MoGo

MoGo bike share launches



Climate Plan

Detroiters Working for Environmental Justice release the Detroit Climate Action Plan



Affordable Housing

City of Detroit announces \$250 million Affordable Housing Leverage Fund that will preserve 10,000 units and develop 2,000 new units in five years.



Transportation

City of Detroit releases Strategic Plan for Transportation



Green Stormwater

City spends \$3 million on green stormwater infrastructure and requires private properties to control stormwater on site



Waste Incinerator

Closing of the Detroit Renewable Energy Waste Incinerator

GHG Ordinance Passed



**DETROIT
SUSTAINABILITY
ACTION AGENDA**

2019

**THE
DETROIT SUSTAINABILITY
ACTION AGENDA**

VISION

All Detroiters thrive and prosper in an equitable, green city; have access to affordable, quality homes; live in clean, connected neighborhoods; and work together to steward resources.

4 OUTCOMES



10 GOALS



Healthy, Thriving People

- Improve **air quality** and reduce impacts from **pollution**
- Increase access to healthy **food, green spaces**, and **recreation** opportunities
- Advance **equity** in access to **economic opportunity**



Affordable, Quality Homes

- Reduce the total **costs** of housing, including **utilities**
- Improve the **health** and **safety** of existing and new housing



Clean, Connected Neighborhoods

- Transform **vacant lots** and **structures** into safe, productive, sustainable spaces
- Reduce **waste** sent to landfills
- Make it easier and safer to **get around Detroit** without a personal vehicle

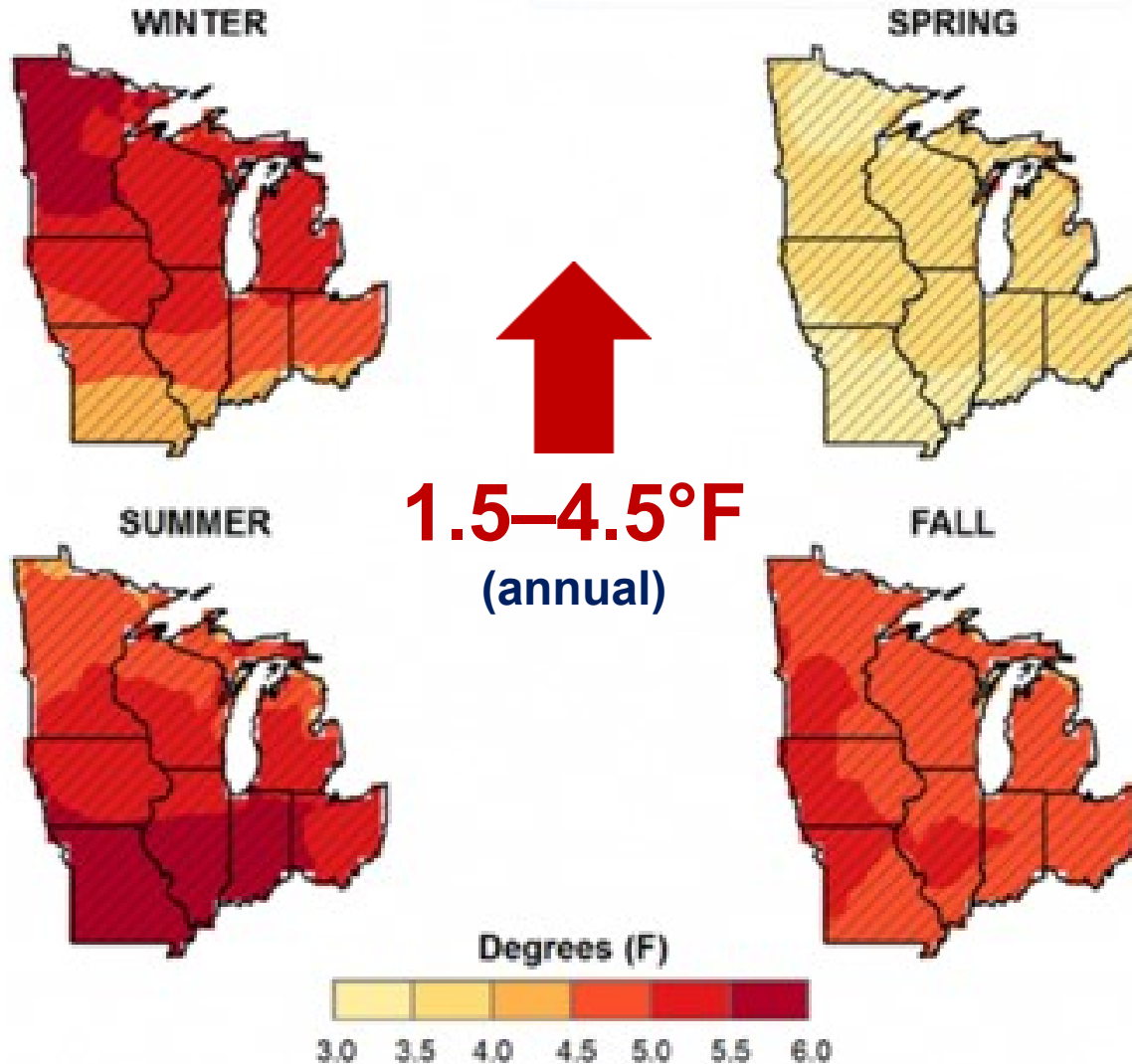


Equitable, Green City

- Enhance infrastructure and operations to improve **resilience to climate impacts**
- Reduce municipal and citywide **greenhouse gas emissions**



PROJECTED TEMPERATURE CHANGES: 1971-2000 TO 2041-2070



PROJECTED PRECIPITATION CHANGES: 1971-2000 TO 2041-2070

Winter
+10 to 20%

Summer
-5 to 0%

WINTER



SPRING

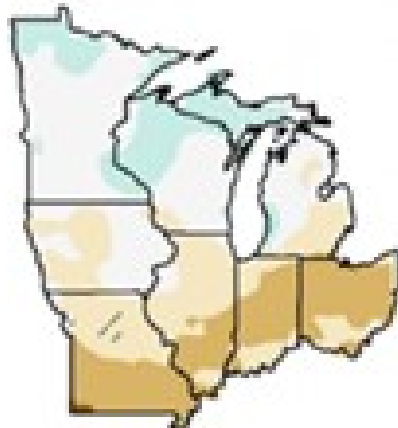


Spring
+0 to +15%

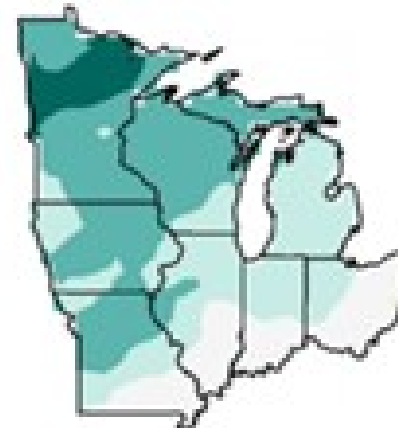


3-6%
state
yearly
average

SUMMER



FALL



Fall
+0 to +15%

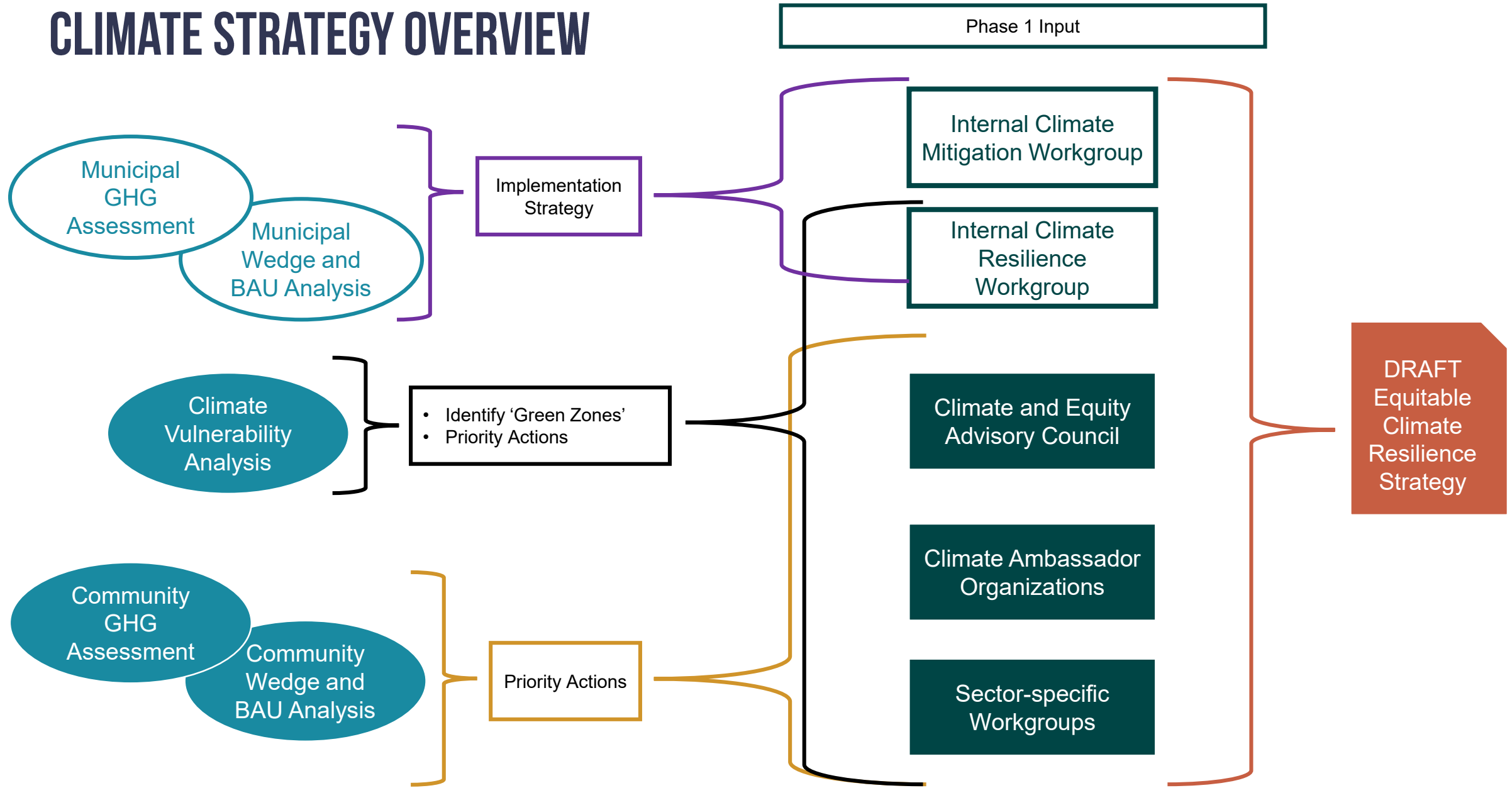
Percent Change



NOAA NCDC / CICS-NC

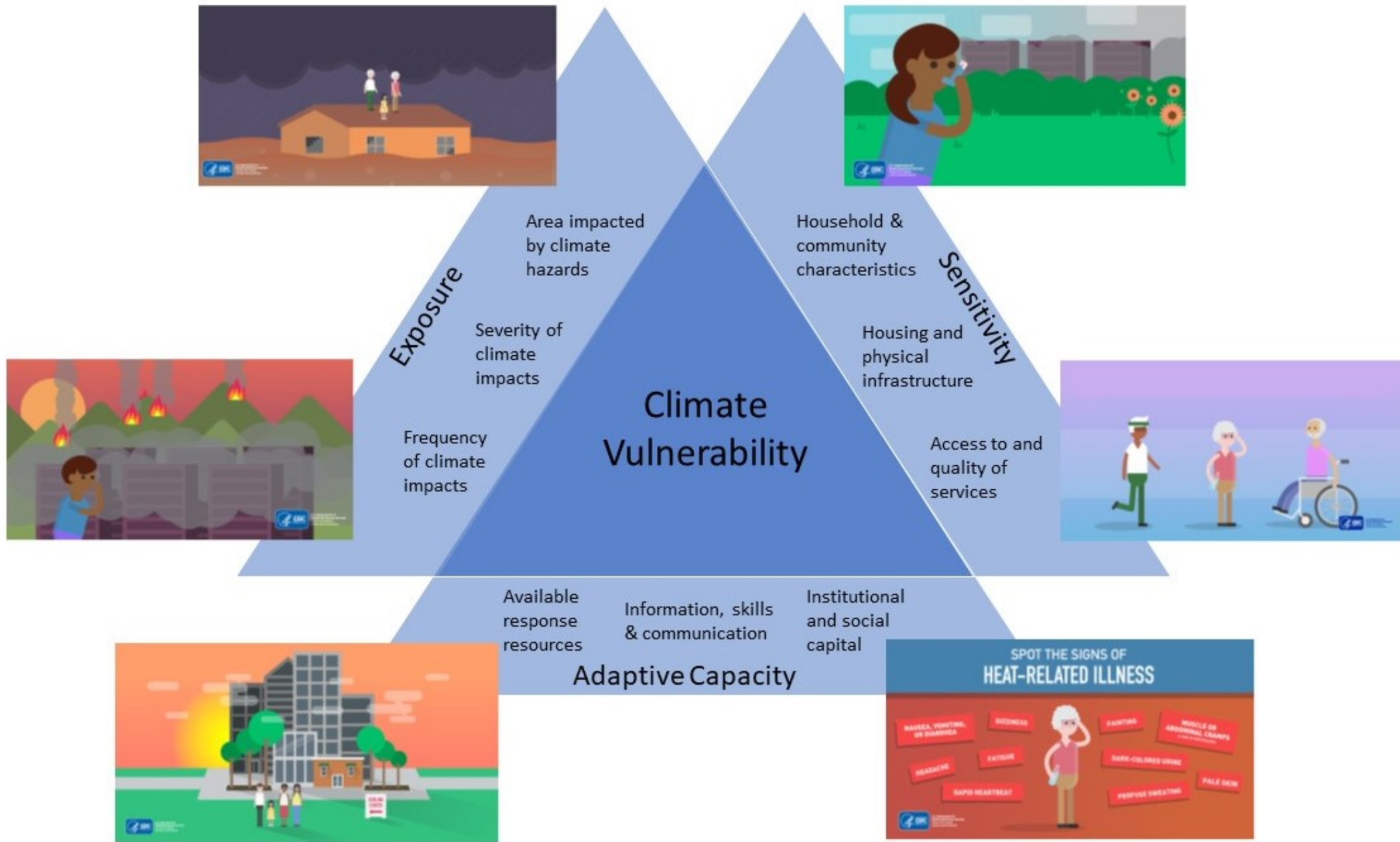


CLIMATE STRATEGY OVERVIEW



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WHY RESILIENCE?



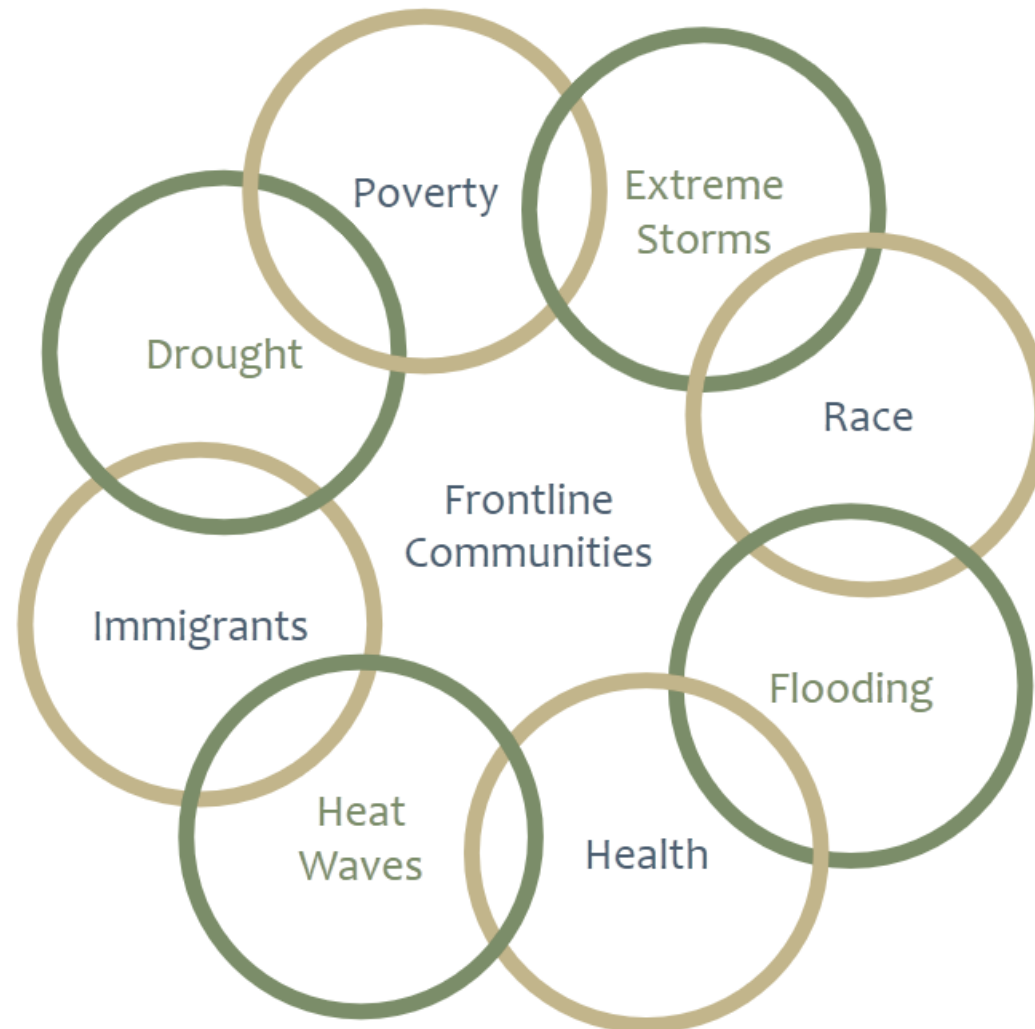


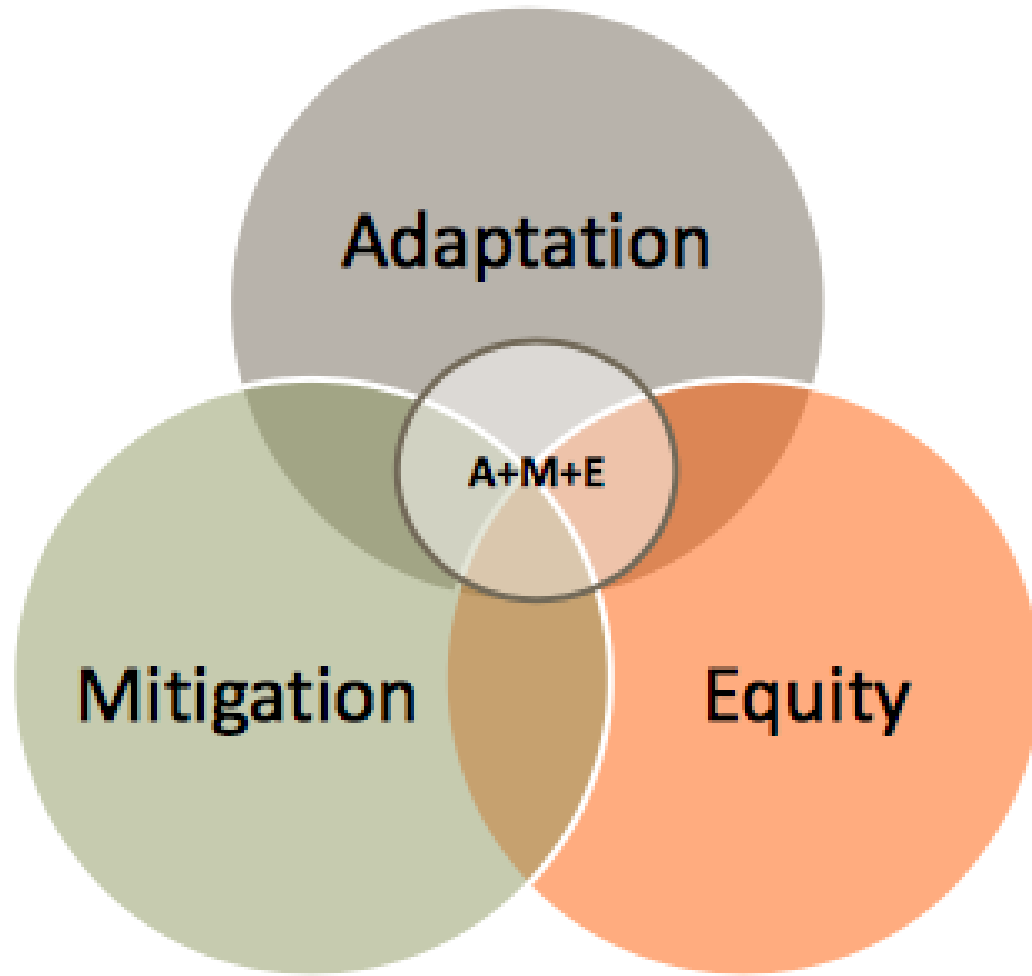
An abstract graphic on the right side of the page, featuring a dark teal background with white, wavy, vertical lines that create a sense of movement and depth. The lines are thick and rounded, resembling stylized waves or a modern architectural pattern.

WHY EQUITY?



The effects of climate change will disproportionately affect overburdened and low-income people and communities who are already facing significant economic and social challenges.

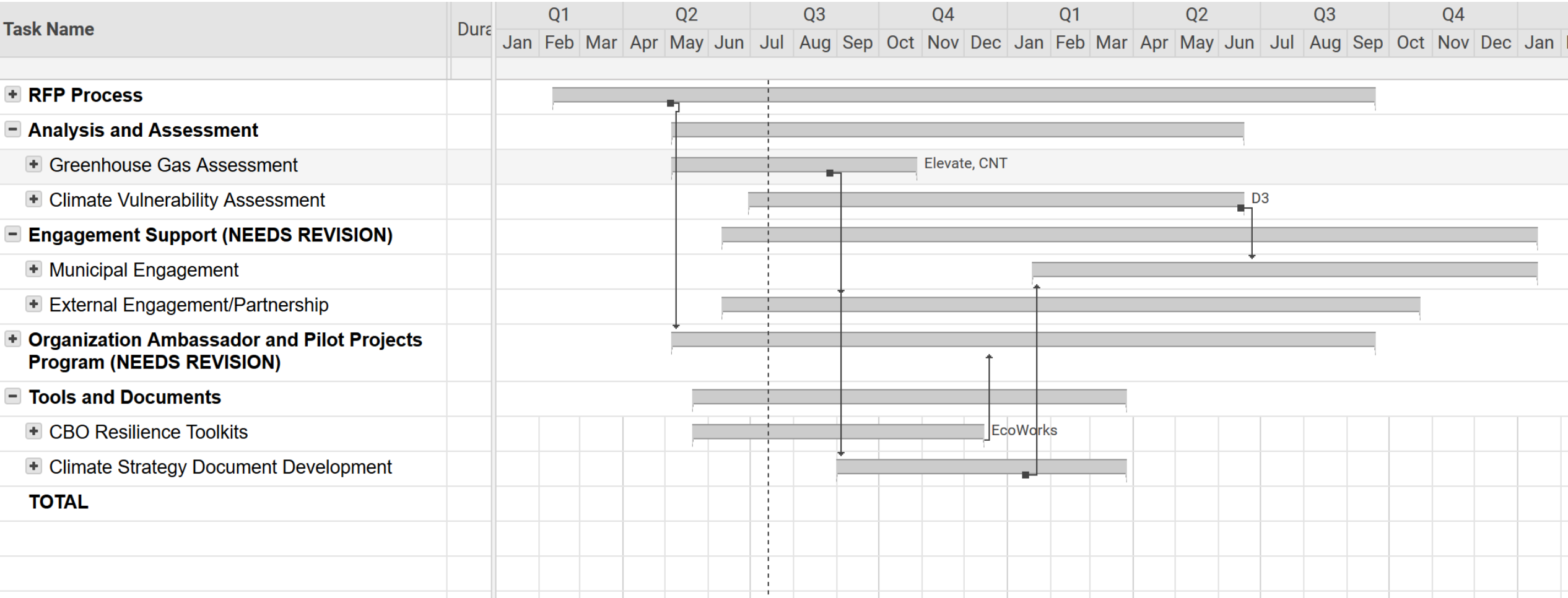




- 1. Mitigation:** Reducing greenhouse gas emissions
- 2. Adaptation:** Preparing for the impacts of climate change
- 3. Equity:** Moving towards a more racially equitable city. Everyone gets what they need to thrive.

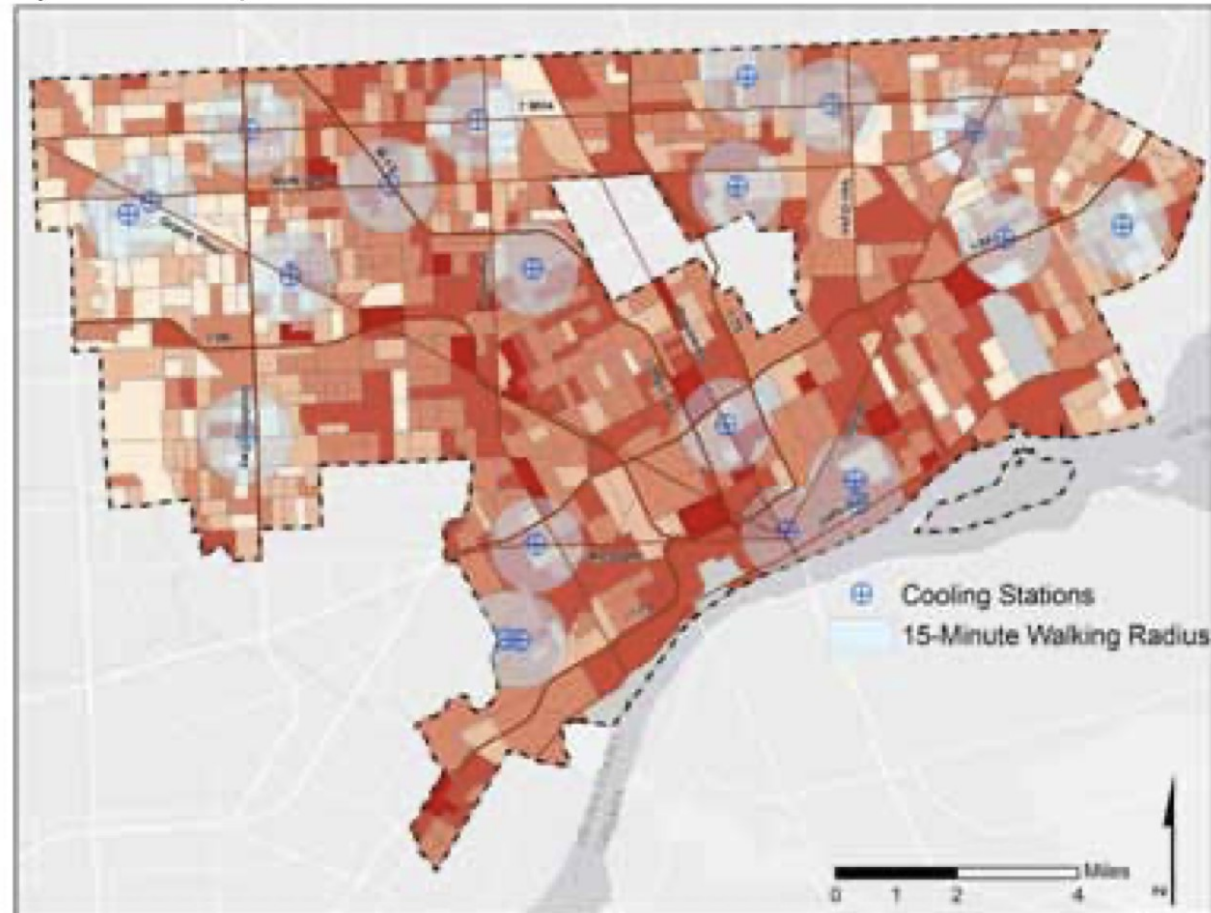


CLIMATE ACTION STRATEGY TIMELINE

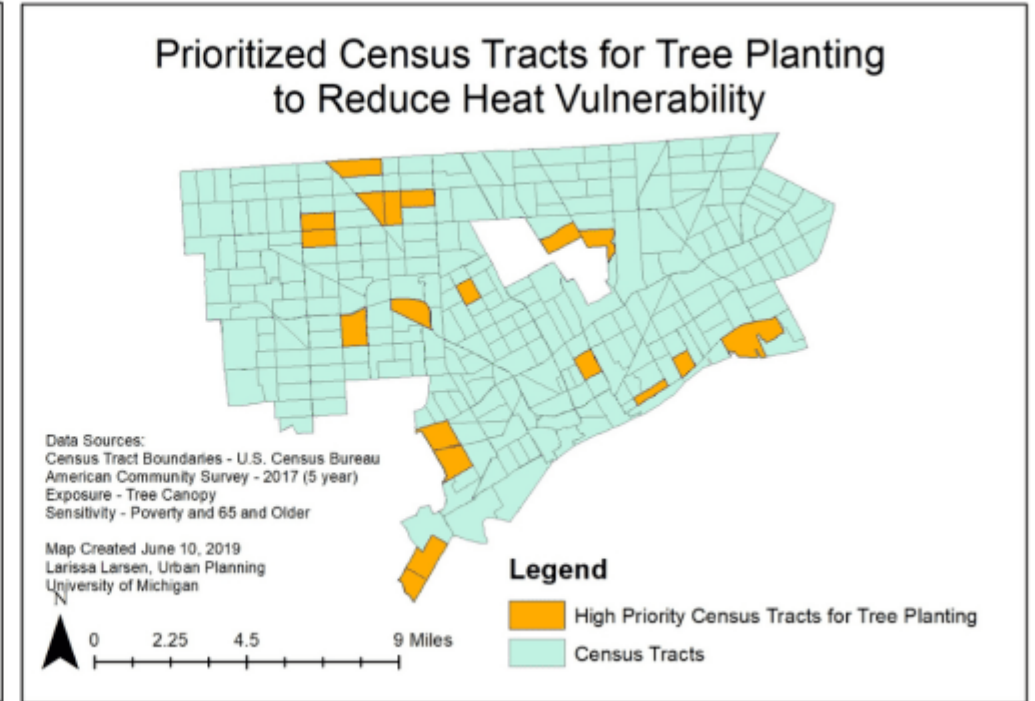
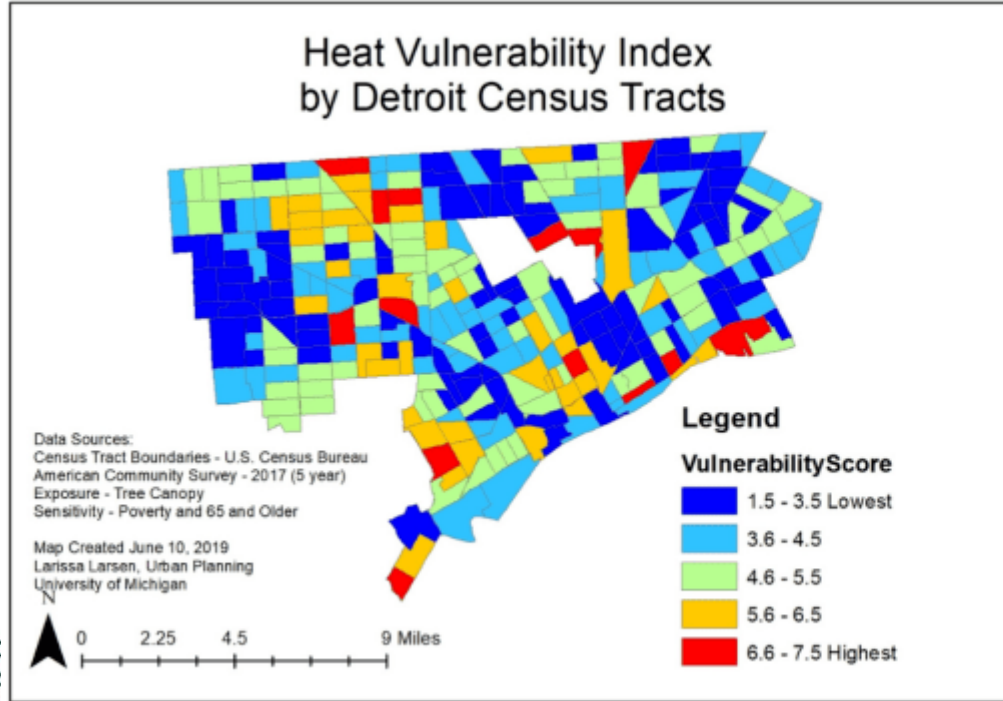


MAPPING CLIMATE VULNERABILITY

Figure 10 :Detroit Heat Vulnerability and Cooling Center Access by Block Group 2010



IDENTIFYING HARDEST HIT NEIGHBORHOODS



OPPORTUNITY #1:

RANK RESILIENCE TOOLKIT PROJECTS

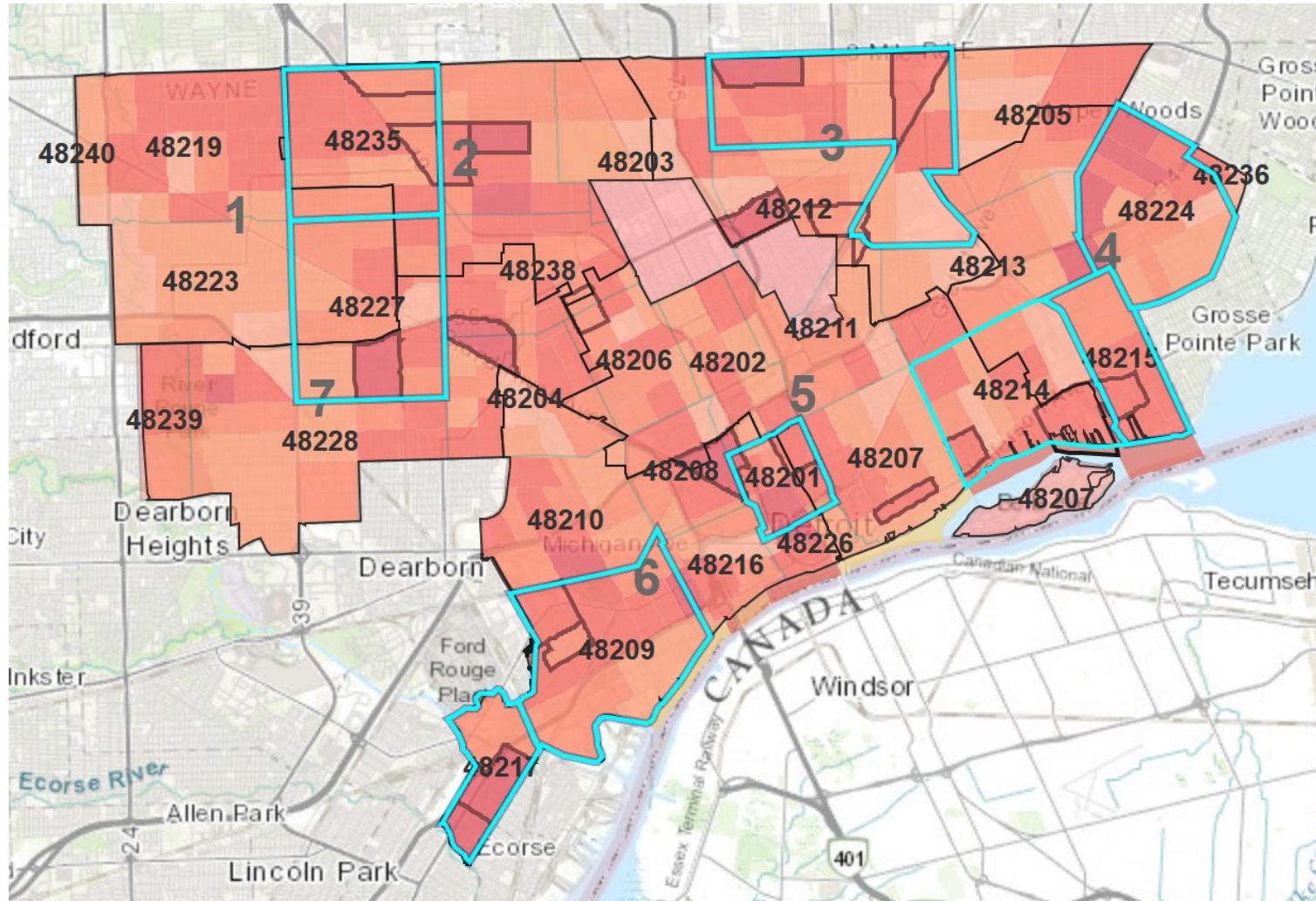


| | | | | | |
|--------------------|-----------|--------|--------------|------------|-----------------|
| COST | PEOPLE | UPKEEP | EXPERIENCE | STORMWATER | SUN/SHADE |
| \$2,500 to \$5,500 | Volunteer | Medium | Intermediate | Best | Sun, Part Shade |

 Full Printable Lot Design  Contractor Package

- Rainwater catchment, purification & storage system
- Solar powered lighting, wifi
- Solar powered, battery generators
- Community & rooftop solar feasibility
- Tree planting
- Create / expand neighborhood community gardens
- Food security training
- Enhance weather resistance of bus shelters (protection from sun and precipitation)
- Other transportation projects – walking / biking
- Small scale green stormwater infrastructure (GSI) demonstration project
- Large scale GSI planning
- Home stormwater diversion workshops & micro grants
- Energy & water conservation workshops
- Cooling / warming shelter planning
- Emergency preparedness planning and kit distribution
- Air quality monitoring
- Community tool shed / tool lending library
- Developing a community communications network
- Community climate awareness forums

OPPORTUNITY #2: NOMINATE FOR CEAC



ROLES FOR COMMUNITY

Current:

- Nominate someone for the Climate Equity Advisory Council
- Rate potential projects for the Climate Resilience Toolkit
- Help us tell the story of climate impacts and resilience in Detroit
- Other ideas?

Future:

- Host a climate ambassador
- Apply for a climate resilience mini-grant
- Help organize a townhall or emergency preparedness event
- Host a session for your members



DISCUSSION

How can we make sure that this work takes root (internally and externally)?

How would you like to be involved going forward?





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