THE CITY OF COLUMBUS
ANDREW J. GINTHER, MAYOR

SUSTAINABLE COLUMBUS
ANDREW J. GINTHER, MAYOR

Sustainable Columbus Community Choice Aggregation

Powering Columbus with 100% clean energy

October 22, 2020

How we would like to work together

The role we hope you will play

1. Provide input on sustainability-focused community priorities
2. Share information on aggregation with your organization and community members

Suggested group norms

1. Use video whenever possible
2. Minimize distractions
3. Practice the democracy of time
4. *Anything else?*

A few Zoom reminders for today

Advisory Group Members:

- **Please mute** when not speaking
- Please *also* **use the chat function to react**, ask questions, and comment!
- Please **rename yourself with name and org** by right clicking on the 3 dots on your image
- **Please note**: this meeting is being recorded and will be shared publicly

Members of the public observing today: Welcome! Please ask questions at any time, and we will address these at two points during the agenda.

Today's purpose is to discuss our renewable energy futur

- What we heard from you last meeting
- How the CCA can support community priorities
- Sustainable Columbus Climate Action Plan Overview
- Setting our own priorities
- Closing and next steps

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Community Choice Aggregation Advisory Committee Meeting #3 Recap

What did we discuss?

We expect the CCA will be powered by:

3 Installations
416 Megawatts of capacity

7 Installations
687 Megawatts of capacity

Request for Proposal out for additional capacity

ALL BASED IN OHIO

We will transition quickly to 100% local renewable energy, with a “bridge” phase

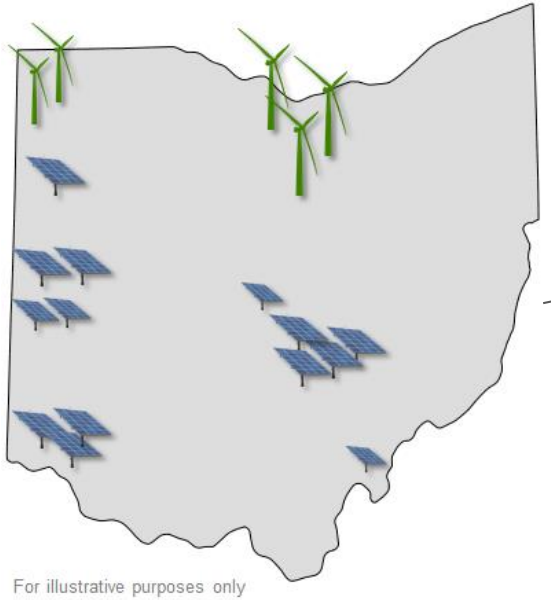
BRIDGE PHASE
(RECs)

New Ohio solar and wind projects begin to come online

LOCAL PROJECT GENERATION PHASE
CCA sourced by new wind & solar generation in Ohio

2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034

Building **new wind and solar generation in Ohio takes time**, especially to produce enough electricity to meet demand in Columbus. **RECs form a bridge** from today’s grid mix to local renewables in 2023



Approximate locations of existing or potential AEP renewable installations under contract

Temperature Check

- **What questions do you have from last meeting?**

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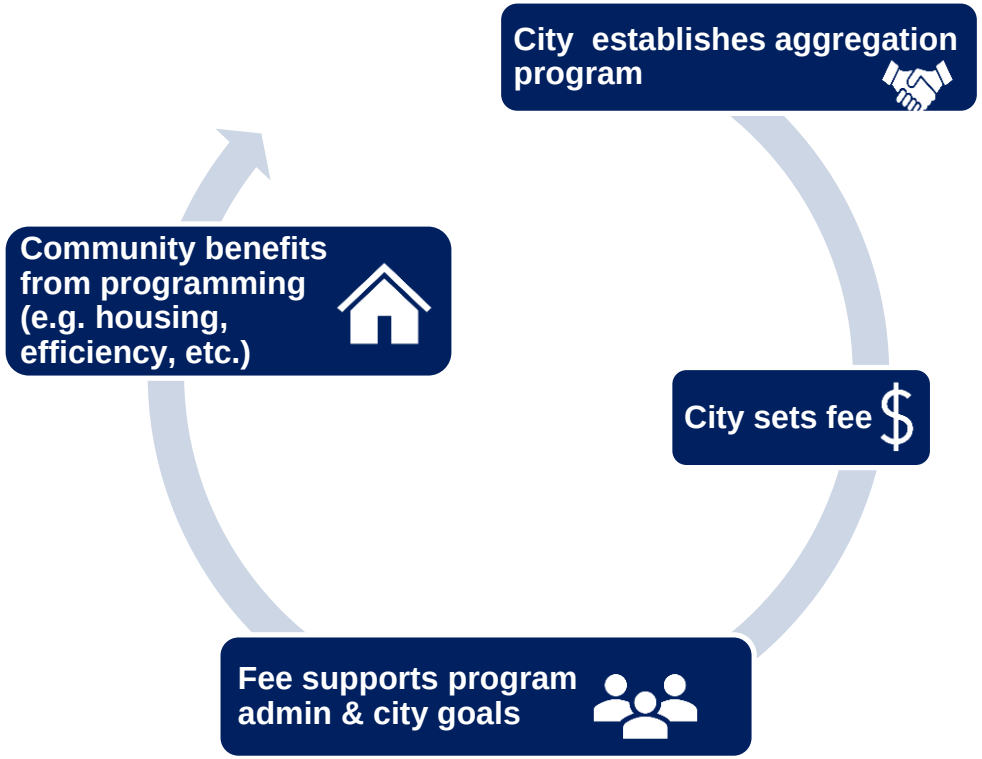
How can the CCA support City Priorities?

How will our community benefit?

A charge from the supplier is used to fund program costs and resilience / affordability programs

- Aggregation administration fee can enable a CCA to also **support our climate, equity, and affordability goals**
- Fees typically fund program administration as well as other programs of the city's choosing



Peer CCA programs support their communities through energy efficiency grants and programming

CCA Program	Type of programing supported
NOPEC	NOPEC awards a **monthly community grant** that has recently funded emergency medical services, the arts, and school safety programs. It also offers **financing** for modest energy efficiency improvements
Cincinnati	The Greater Cincinnati Energy Alliance **Solarize program** provides solar assessments, access to a solar installer network, and discounts for solar equipment
Sonoma (CA)	Sonoma's CCA offers educational programs, resilience audits for businesses, and awards regular **entrepreneurship grants** for the community
Marin County Energy (CA)	Marin County Energy's $6 million **resiliency fund** helps mitigate risks of grid outages on the community.

What questions do you have?

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Sustainable Columbus Initiatives Overview

How will we achieve our goals?

Sustainable Columbus - Sustainability Priorities

Our Climate Action Plan (CAP) will help deliver our city-wide carbon neutrality goal

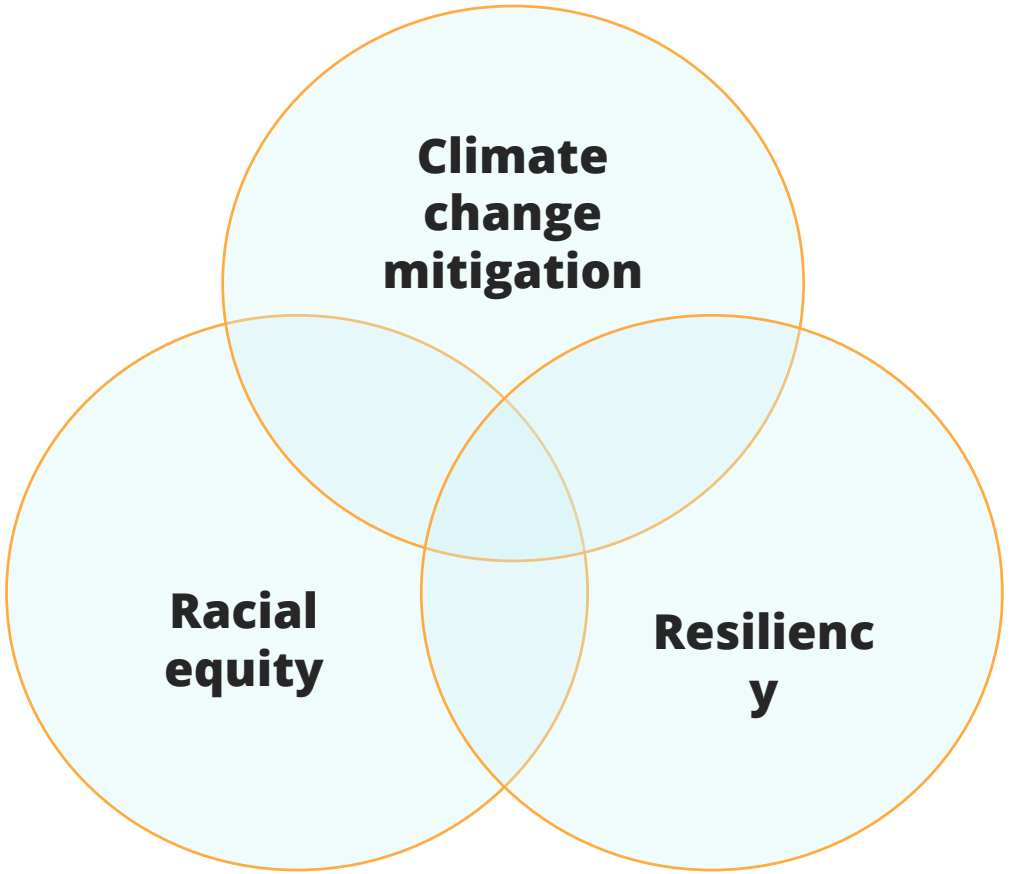
- In June 2017, Mayor Ginther signed onto the **Global Covenant of Mayors for Climate & Energy,** committing us to developing a plan consistent with the Paris Climate Agreement
- In the 2020 State of the City, the Mayor further announced a goal for Columbus to become **carbon neutral by 2050**

Community Choice Aggregation is aligned with this plan. Using our administrative fee to support can help us go even farther.

Climate Action Plan Goals and Objectives

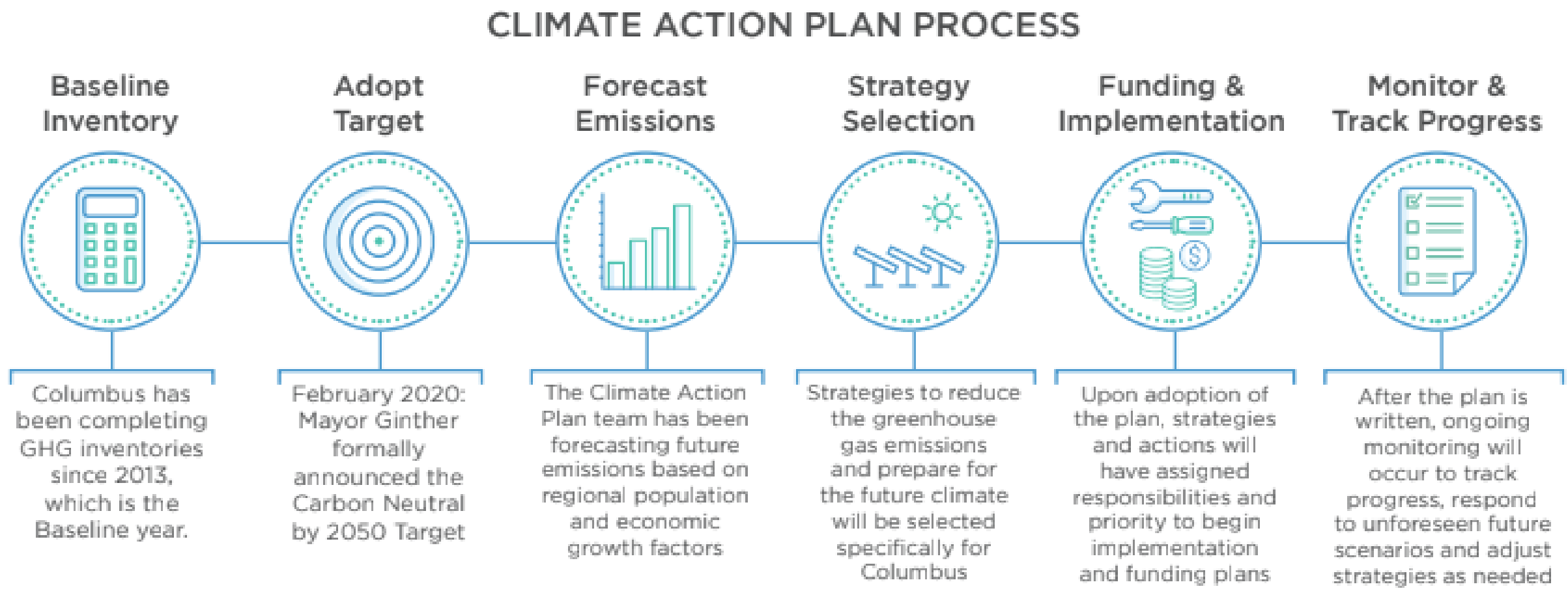
- Develop a pathway to **deliver an emissions neutral city by 2050**
- Demonstrate how the city will **adapt and improve resilience** to climate hazards
- Outline **social, environmental and economic benefits** expected from implementing the plan
- Detail **city governance**, **powers** and the **partners** who need to be engaged to accelerate delivery of the city's goals

The Climate Action Plan addresses overlapping crises



Columbus' **Climate Action Plan** embraces triple bottom line thinking and addresses **multiple, overlapping needs** in the City

We are currently in the “strategy selection” stage of our process



The Climate Action Plan will be finalized in Q2 2021

Temperature Check

What questions do you have about this process?

We have identified 5 categories of strategies and are engaging our community to select and refine

In our last meeting, we discussed priority sectors to support. You indicated a top 3 interest in:

- Buildings (4)
- Sustainable Neighborhoods (3)
- Energy affordability (2)

Now we would like to get your input and ideas in these areas

Climate Solutions The Columbus Way: Creating a Culture of Climate Action

Sustainable Neighborhoods: Adapting to Climate Changes and Creating Healthy Neighborhood Ecosystems

Buildings: Renewable Energy and Energy Efficiency

Transportation: Embracing Zero Emission Options and Mode Shift

Waste: Reducing Waste Generated and Increasing Waste Diversion

Our activities for today

TODAY we will:

- Share some inspiration from other programs and ideas for Columbus
- Take questions, new ideas, and discuss
- Prioritize together to understand what types of programs you think are most important and a best fit for this opportunity
- Explore criteria for prioritization, potential partners

In the next few months:

- The City will scope out prioritized ideas to understand cost and feasibility
- We will reconvene this group to share our findings and initial proposed programming in Meeting 5 (Date TBD)
- By end of year, we will have identified the initial program(s) to be supported

A few considerations as we prioritize

1. Not all priorities can be supported
2. Programming could begin in 2022 and may extend to 2023 (based on city budgeting timelines)
3. New programming may require staffing costs (not all funds can be directly disbursed)
4. All programming will be built off of a basis of inclusive collaboration

As you saw in the pre-read, we have inspiration to draw from

Energy efficiency, affordable and local renewables

- Community solar program (Westchester New York)
- Rebates for on-site residential solar and/or battery storage (San Jose, Peninsula, CA)
- Rebates for residential energy efficiency upgrades (San Jose)
- Rebates for high-efficiency new construction residential (Sonoma)
- DIY residential energy efficiency toolkit rental (Sonoma)

Supporting neighborhoods and empowering residents

- Community pilot grants for innovative equitable climate projects (Peninsula, CA)
- Teacher/student/kids educational resources (Peninsula, CA)
- Entrepreneurial grants (Sonoma)

Electrifying transportation and reducing waste

- Rebates for Electric Vehicles (new & used) (San Jose, Peninsula, CA)
- Rebates for multi-family EV charging infrastructure (Peninsula, CA)
- Zero waste initiative (Westchester New York)

We have ideas: Supporting energy efficiency, affordable and local renewables

Residential EE and renewables

a. Expand **energy efficiency** programming
    i. Implementation support for measures identified during energy audits (could be targeted at low-income communities or in multi-family housing)
    ii. Provide DIY energy efficiency toolkits
    iii. Offer incentives to reduce energy use during peak periods (also community-based groups)
b. Increase **distributed renewable energy**
    i. Implement on-site solar group-purchasing program (e.g. Solarize campaign)

Foster sustainable GreenSpot neighborhoods

a. Develop resilience hubs with stationed energy advocates/advisors
b. Provide grants to support neighborhood energy and sustainability goals (Greenspot)

We have ideas: Supporting energy efficiency, affordable and local renewables

Small businesses and organizations- focus

a. Expand **energy efficiency** programming
    i. Provide implementation support for measures identified during energy audits
    ii. Support energy efficiency in affordable housing initiatives
    iii. Offer an on-call energy advisor for interested businesses and organizations (e.g. hotline)
    iv. Offer incentives to reduce energy use during peak periods (also residential)
b. Increase **distributed renewable energy**
    i. Implement an on-site solar group-purchasing program
c. Support **innovation, entrepreneurship, & workforce development**
    i. Expand GreenSpot schools and youth engagement
    ii. Create local business energy, sustainability, and workforce development cohorts
    iii. Fund GreenSpot business entrepreneurial grants

Prioritization Time

Discussion

1. Knowing we cannot do everything, what principles should guide this decision?

1. Who should we partner with?

1. What should we avoid?

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Exploring Unintended Consequences

How will we achieve our goals?

We want to explore unintended consequences of our work

Our Climate Action Plan process will be asking these questions about all of our actions

- **Benefits and potential burdens**
  - Concerns / priorities around each programming action. What problem is it trying to solve? Is this in fact the issue?
  - What are the possible benefits?
  - What are the possible barriers?
- **Benefits of action on:**
  - climate justice
  - human health
  - environmental quality
  - economic prosperity
- **Burden of action on:**
  - climate justice
  - human health
  - environmental quality
  - economic prosperity
- **Who is helped and who is harmed?**

When thinking about the CCA, what potential burdens or unintended consequences should we be considering?

Similarly, what potential burdens or unintended consequences should we consider for our sustainability proramming?

Our next meetings together

Meeting #1: Introductions and Aggregation 101 - September 10

Meeting #2: Aggregation in Action - Overview of Governance and Operation - September 24

Meeting #3: Columbus' Renewable Energy Future - October 8

Meeting #4: Community Priorities and Sustainability Goals - TODAY

Meeting #5: Wrap Up/Next Steps - TBD

THANK YOU!