

# Flagstaff Carbon Neutrality Plan Bi-Annual Update

January 24, 2023



# OUR TEAM



**GRACIE  
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*Youth Climate  
Leadership VISTA*



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Engagement  
Coordinator*



**JENNY  
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*Climate Program  
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*Sustainability  
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## COMING SOON

### **RESILIENCE ANALYST**

First new position since CNP adoption, Genevieve Pearthree starting in February.

### **CLEAN JOBS WORKFORCE DEVELOPMENT AMERICORPS VISTA**

Volunteer service position, starting mid-February

### **CLIMATE ANALYST**

Existing vacant position, potential late February start

# TODAY'S DISCUSSION

1. Principles of climate action
2. Carbon Neutrality  
- action update
3. Putting this in perspective





# CLIMATE ACTION PRINCIPLES

Carbon neutrality is:

- ▲ 1. Community-driven
- ▲ 2. Motivated by urgency
- ▲ 3. Prescriptive
- ▲ 4. A commitment to accountability
- ▲ 5. An investment in our future
- ▲ 6. Supported by market leaders

Flagstaff will:

- ▲ 7. Be a leader
- ▲ 8. Embrace the Big Shift
- ▲ 9. Balance community tensions and create opportunities
- ▲ 10. Center equity and adaptation

Climate action in Flagstaff will:

- ▲ 11. Produce co-benefits
- ▲ 12. Rely on partnerships
- ▲ 13. Prioritize incentives
- ▲ 14. Iterate and adapt over time

# CLIMATE GOALS

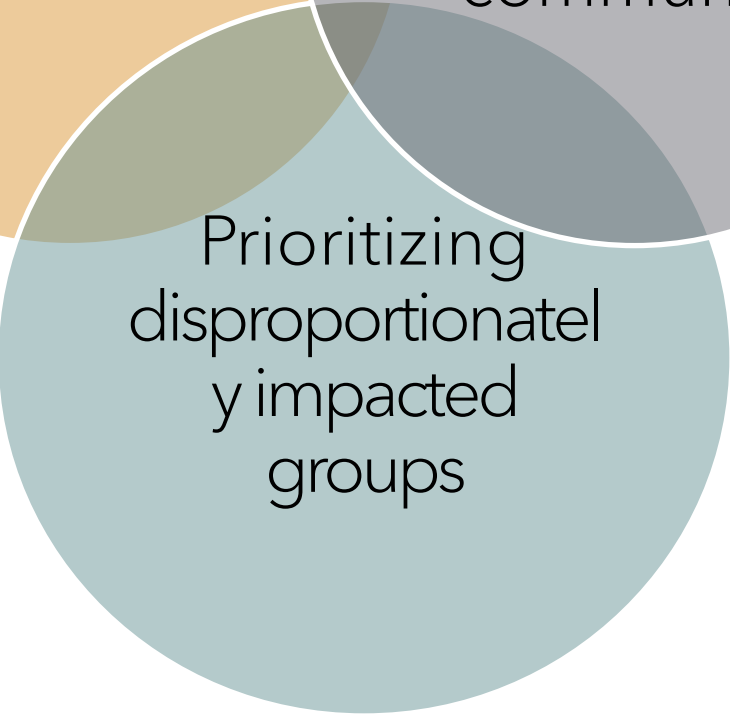
**Mitigation** 



**Adaptation** 



**Equity** 



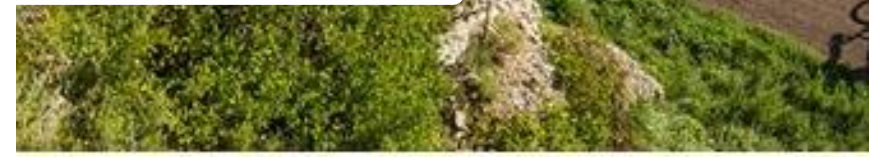
# WE CATALYZE CLIMATE ACTION THROUGH:

## Community change

- Policy development
- Infrastructure
- Services
- Capacity building
- Elevating voices

## Municipal processes

- Partner support
- Data Analysis
- Municipal carbon neutrality



# CNP TARGET AREAS

## Neighborhoods

- Community Resilience
- Equitable Systems
- Decreased Dependence on Cars
- Housing for All ★
- Inclusive Recreation ★

## Energy

- Electric Mobility
- Clean Electricity
- Building Fuel Switching

## Consumption

- Reduced Building Energy Use
- Sustainable Consumption
- Water Security ★

## Commitments

- Carbon Dioxide Removal
- Healthy Forests and Open Spaces ★
- Health and Safety ★
- Economic Prosperity ★

★ = New target area from CAAP



# POLICY DEVELOPMENT

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- **Transportation:**
  - Active Transportation Master Plan (ATMP)
  - Big Shift transportation policy change \*
- **Code changes:**
  - **Land Use:** Code Analysis Project – solicitation will launch this winter \*
  - **Building code:** partnering with Building Safety and 10+ Arizona cities to apply for the Resilient and Equitable Codes Implementation funding opportunity \*
- **Resilience and Equity:**
  - 2022 Revisions to the CNP
  - Catastrophic leave policy \*
  - Paid intern policy \*

# COMMUNITY INFRASTRUCTURE

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- 19 new community EV charging stations
  - Installed through the APS Take Charge AZ Partnership
- Expanded to FOUR food scraps drop off locations
- 4 Corners Carbon Coalition (4CCC) to catalyze regional carbon dioxide removal
  - Solicitation award





# SERVICES

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- Home Weatherization and Energy Rebates
  - New focus on electrification
  - Began providing larger rebates for lower-income households
  - \$40,000 distributed in six months
    - \$20,000 annual budget. Federally supplemented this FY.
- Awarded funding for HEPA purifiers
- Northern Arizona Solar Coop
  - 46 new households have added 325 kW solar!
- Drop Off Day - 13,000 lbs. diverted
- Flagstaff Home Energy Retrofit Program \*

# CAPACITY BUILDING

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- \$50,000 in Neighborhood Sustainability Grants distributed to residents
- Launched Climate Resilience Project in collaboration with Flagstaff Public Library
- 6 Home Energy Efficiency Workshops
- Launched Streams Stewards Program to support stormwater and Rio health
- Contractor Trainings:
  - Spring 2022: Cold climate heat pumps
  - March 2023: Energy & Water Training \*



# ELEVATING VOICES

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- Engaged with 585 people tabling at the Community Market
- Youth leadership - 300+ students engaged!
- Direct resident engagement through the Community University Public Inquiry
- Youth Climate Summit – April 4, 2023 \*

**1,822** residents participated in **137** climate engagement activities from May – December





# ELEVATING VOICES

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In 2022, we launched three advisory groups to invite community voices to shape our climate policy and programming:

- Equity Advisory Group
- Business Advisory Group
- Youth Advisory Group

# SUPPORTING OUR PARTNERS

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- MetroPlan Stride Forward Regional Transportation Plan
- NAU Climate Action Plan and Sustainability Taskforce
- AZ Sustainable Cities Network Climate and Resilience Working Group
- Biomass working group, part of the Greater Flagstaff Forests Partnership \*
- Flagstaff Unified School District (FUSD) Climate Action Committee
- Coconino County Sustainability Program





# DATA ANALYSIS

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- Vehicle Miles Traveled (VMT) calculator for transportation projects \*
- Flagstaff earned a spot on the international **CDP A-list**, highlighting our annual emissions and resilience reporting and actions
- We have initiated an **electricity rate analysis** to identify monthly cost-savings opportunities through rate changes \*

# MUNICIPAL CARBON NEUTRALITY

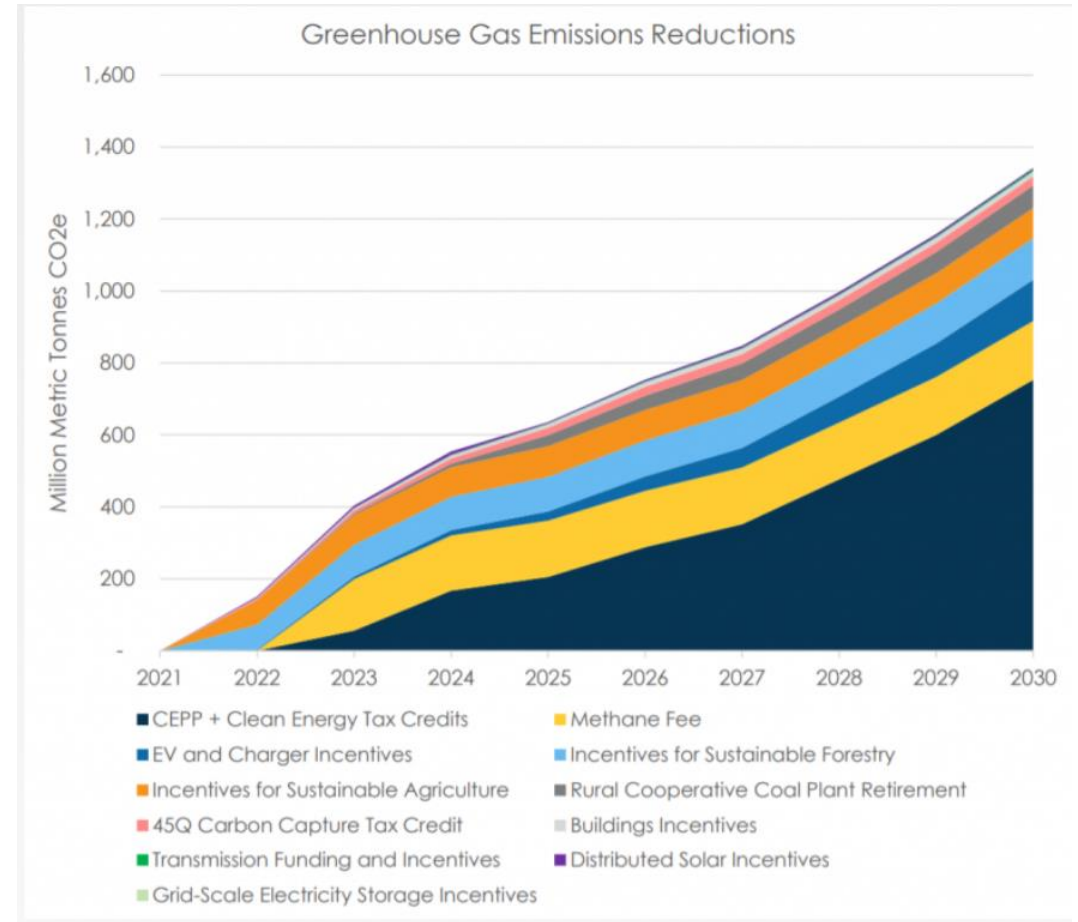
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- Energy Services Contract (ESCO) project
  - Three-phase initiative to improve the energy efficiency of operations
- Adoption of the Sustainable Building Resolution (SBR)
- Three new electric vehicles added to the City fleet in 2022
- First client in the APS Green Power Partners Program, achieving 100% renewable electricity for City operations



# REALITIES

- Climate Action base budget
  - One-time funding
- Cost of the CNP
- Need dramatic systems changes, i.e. code, standards, funding, etc..
  - Urgent revisions for:
    - Engineering Standards
    - Parking requirements
    - Sustainable development code
  - Code analysis



# PUTTING THIS IN PERSPECTIVE

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Cities/regions are first responders to the climate crisis, but we cannot do it alone. While the municipality has made great strides in elevating climate, we need all hands-on deck

- To empower our most vulnerable
- To find solutions together
- To inspire action
- To talk about climate productively
- To invest in action
- To spark innovation
- To overturn state preemptions





# HELP BUILD A STRONGER FLAGSTAFF

We need your...

- Leadership
- Support
- Engagement of the community
- Creative ideas
- Involvement
- Take personal action
  - Need inspiration? Visit: [www.flagstaff.az/climate](http://www.flagstaff.az/climate)

# THANK YOU

[www.Flagstaff.AZ/Climate](http://www.Flagstaff.AZ/Climate)



## **Please reach out!**

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