

CNP Revision Update

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Agenda

Carbon Neutrality Plan Revisions

- 1. Rationale**
- 2. Three types of revisions to the Carbon Neutrality Plan (CNP)**
 - New information
 - Standard annual revisions
 - Plan consolidation
- 3. Discussion**





Rationale



Why a revision?

- The CNP implementation plan includes a commitment to **annual revisions**.

What will be revised?

- Revisions will be limited and administrative in nature.
- We will not substantively change policies.



Three Types of Revisions



Incorporation of new information

- **Financial investment** needed
- Adoption of the **Flagstaff 10-year Housing Plan**
- **Partner** commitments: NAU, FUSD, County



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Standard annual revisions

- Update our **GHG emissions inventory**
- Minor edits



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Plan consolidation

- Incorporate **resilience strategies and actions** from the 2018 Climate Action and Adaptation Plan

Incorporation of New Information

Revisions will be made to incorporate significant new developments in the climate policy landscape.

This update focuses on three key pieces of new information:

- **Regional partner updates**
- **Flagstaff's 10-year Housing Plan**
- **Financial investment data**





New Information: Partners



2022 saw new, impactful climate commitments by key partners:

- **Northern Arizona University:** Carbon neutrality commitment
 - President Cruz Rivera has committed to achieving carbon neutrality by 2030
- **Coconino County:** Setting climate goals
 - Will develop a greenhouse gas inventory and a Climate Action and Adaptation Plan
- **Flagstaff Unified School District:** Establishing climate goals
 - Will set a greenhouse gas emissions reduction target by December 2022
 - Developing energy efficiency standards for new projects

CNP Revision: Update the regional partnership section with these new commitments.



New Information: Investment

In Spring 2022, staff developed an estimate of the total community investment needed to achieve CNP goals.

- **Total community investment needed:** \$ 599,389,000
- **Total community benefit:** \$ 621,727,000
- **Takeaways:**
 - This figure represents the community-wide investment needed. Investment will come a variety sources including federal grants, personal investments into homes, City projects and utility incentives.
 - Community climate action will result in \$22 million in net fiscal benefits.
 - The net benefit **figure does not include indirect benefits** such as health, equity, resilience, home health and safety, livability and more.

CNP Revision: Add community investment estimates to the investment section.



New Information: Housing Plan



Housing is **deeply connected** to both climate change AND climate action.

Equity:

- Increasing visitation and climate migration will likely lead to further housing challenges.
- Cost of living is impacted by housing, transportation, *and* utility costs.
- Climate change affect will be the most severe for our most vulnerable residents.

Emissions:

- We can reduce emissions from transportation through infill development, higher-density neighborhoods and mixed uses.
- We can reduce emissions from buildings when we build dense, efficient, electric-powered buildings.

Resilience:

- Housing security, passive survivability, and neighborhood strength all have large impacts on community resilience.



New Information: Housing Plan



The Flagstaff 10-year Housing Plan

- To reflect the February 2022 adoption of the 10-year Housing Plan, and the close ties between Housing and Climate goals, we will incorporate the Housing Plan into the CNP.
- To do this, we will make the following **CNP revisions**:
 - Create a new Target Area focused exclusively on Housing, incorporating the overarching housing goal into the CNP.
 - Create four new strategies, addressing the Housing Plan Policy initiatives: Create, Connect, Preserve, Protect





New Information: Housing Plan

THE FLAGSTAFF CARBON NEUTRALITY PLAN

Housing

Flagstaff will create a vibrant and more livable community through increased housing options for residents at all income levels and family sizes.

HOUSING IS A COLLECTIVE BENEFIT

There is a strong and growing movement among Flagstaff community members, housing advocates, and City Council to ensure all Flagstaff residents have access to affordable housing. On December 1, 2020, City Council declared a Housing Emergency in Flagstaff, committing to prioritizing affordable housing within City operations to create safe, decent, and affordable housing opportunities for all community members. This Plan will begin with the basics, defining what affordable housing means and how affordable, accessible, and decent housing is of critical importance to our community's overall health and viability.

The United States Department of Housing and Urban Development (HUD) defines affordable housing as spending no more than 30% of monthly gross income on housing costs. Households that spend more than 30% on rent or mortgage costs are considered "housing cost burdened"; households spending more than 50% are "severely housing cost burdened." Throughout this Plan, "affordable housing" will be defined as households paying 30% or less of monthly gross income towards the home in which they reside, using HUD's definition.

In an expensive housing market like Flagstaff's, some form of subsidy is necessary for housing to be affordable for many lower income households. Housing subsidies come in many forms. Housing subsidy types include rental assistance, eviction prevention, and down payment assistance. Other forms include non-profit affordable housing, public housing, voucher programs, and some forms of co-operative and private sector housing. Throughout this Plan, the term "housing subsidy" is defined as any form of financial assistance aimed towards decreasing housing costs.

The stories we hear from residents and local reports verify that a lack of affordable housing is not just an individual problem, but rather a community problem that has collective consequences that negatively impact Flagstaff. This Plan demonstrates how the consequences of failing to create, preserve, and provide access to affordable housing in Flagstaff are linked to lasting negative effects on our neighborhoods,^{1,2,3} health, children,^{4,5} environment,⁶ and jobs.⁷ This Plan provides a path forward for the next ten years and solutions to reducing Flagstaff's Housing Emergency.



Annual Updates

Annual Carbon Neutrality Plan updates will include the City's updated greenhouse gas inventory.

This annual process provides an accounting of how Flagstaff is making progress towards its goals.



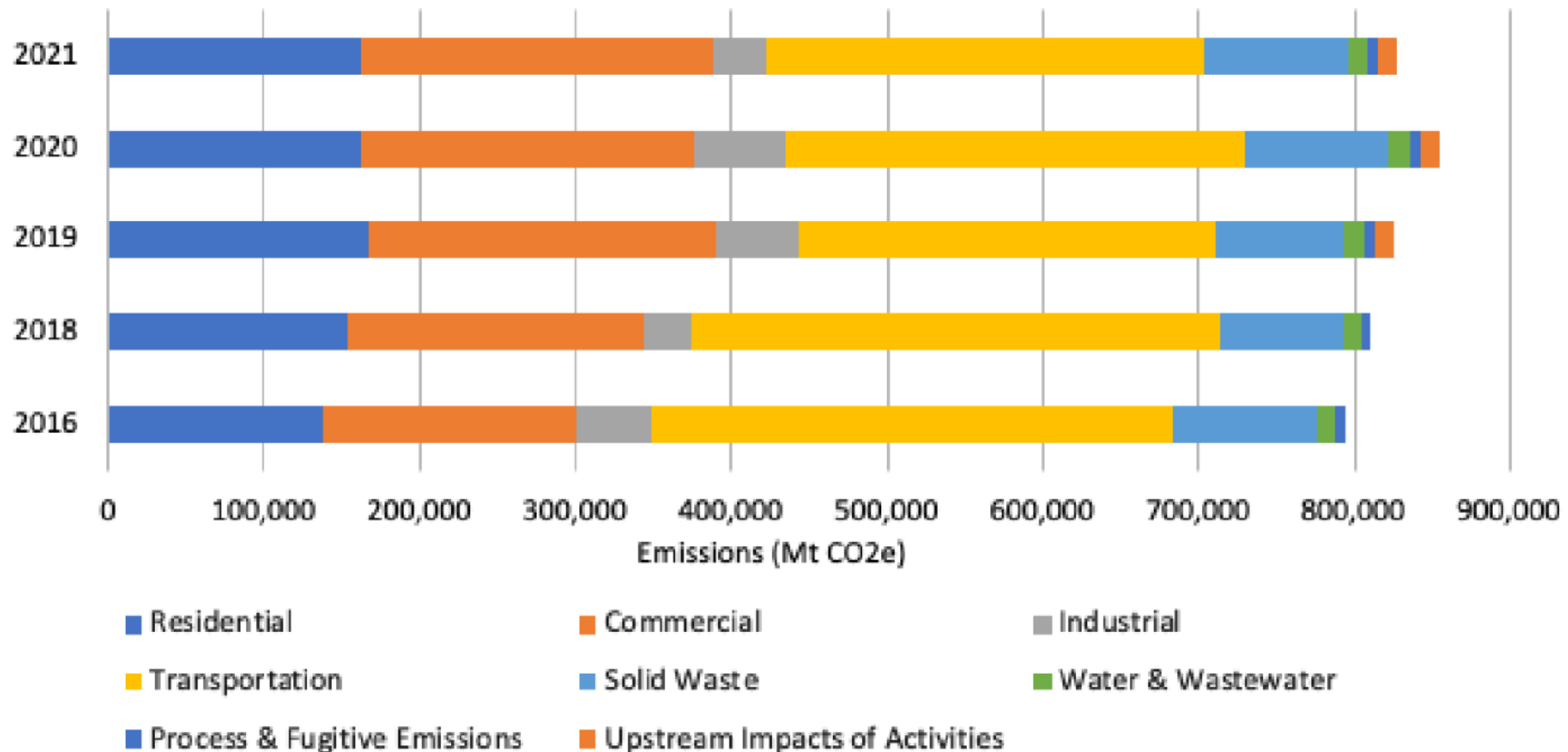


2021 Greenhouse Gas Inventory



FLAGSTAFF COMMUNITY GREENHOUSE GAS EMISSIONS OVER TIME

Figure 1. Comparison of Flagstaff’s greenhouse gas emissions by sector



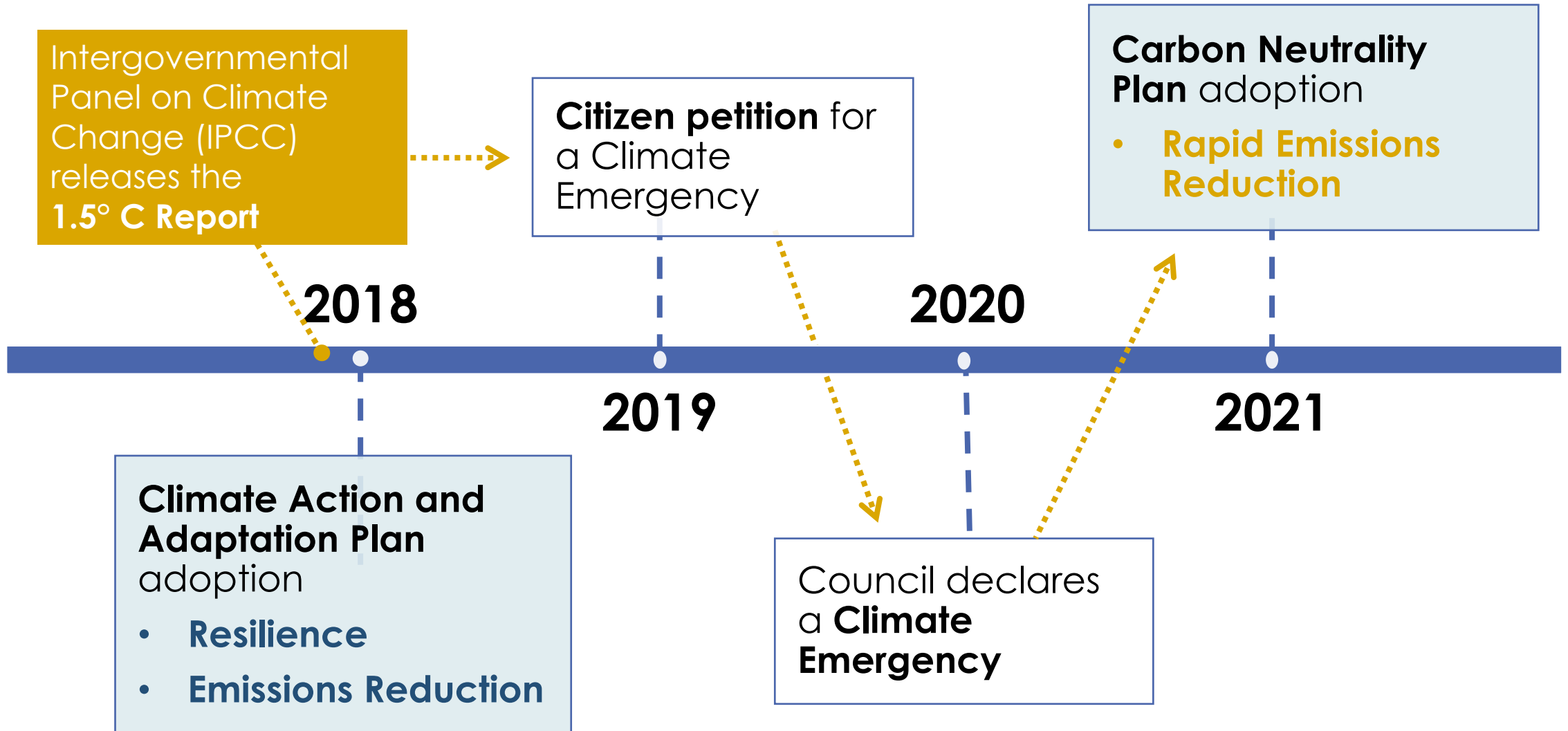
CAAP + CNP Consolidation

The CNP revisions will incorporate the resilience target areas, strategies and actions from the 2018 Flagstaff Climate Action and Adaptation Plan.

This update will result in ONE climate planning document for Flagstaff.



Timeline



Flagstaff's Climate is Changing

Compared to today, by 2050 we expect to have, on average...



Hotter temperatures



Lower snowpack, as overnight low temperatures increase



Increased **wildfire risk** and less healthy forests



Increased aridity and more severe **drought**

Resilience requires considering evolving risks

Tourism & Economy



Water



Land Use & Housing



Health



Climate change poses risks to everything from our **health** and **infrastructure** to local **ecosystems**.

Plan Comparison

2018 Climate Action and Adaptation Plan

- Moderate decarbonization
- Adaptation

Target Areas:

- Building energy, transportation, and waste target areas
- Natural Environment
- Water Resources
- Economic Prosperity and Recreation
- Public Health, Services, Facilities and Safety

←
resilience
focus

2021 Carbon Neutrality Plan

- Rapid decarbonization

Target Areas:

- Building energy, transportation, and waste target areas
- Building Electrification
- Carbon Dioxide Removal
- Equitable Systems
- Community Resilience

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We'll incorporate these target areas into the CNP

2021 Carbon Neutrality Plan

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Target Areas:

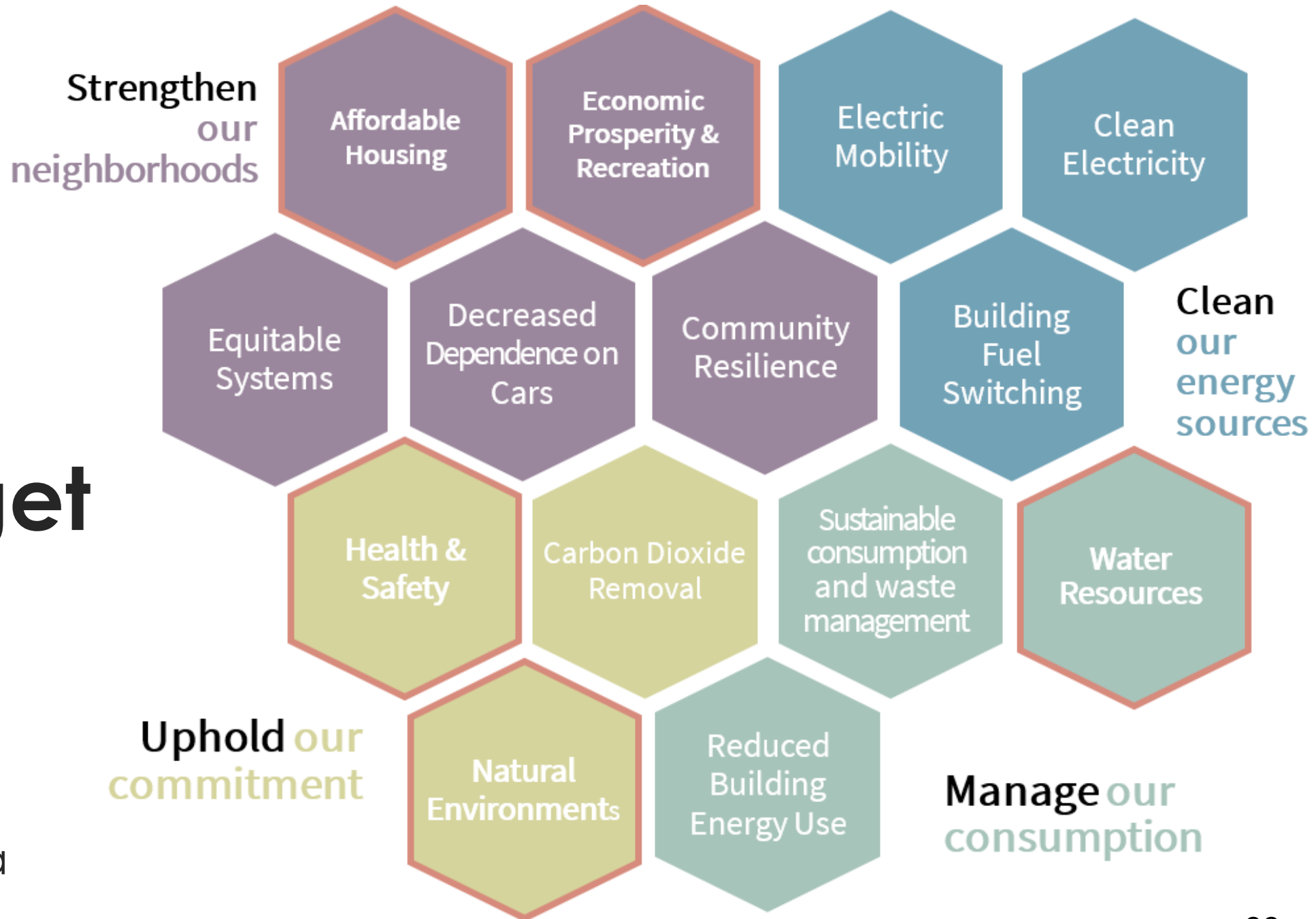
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Current CNP target areas



The new CNP target areas

 New CNP target area





CAAP-CNP Integration



Staff are working with various stakeholders to incorporate CAAP target areas into the CNP.

- COF Sections:

- Housing
- Economic Vitality
- PROSE
- Wildland Fire
- Waster Services
- Planning
- Facilities
- Emergency Management
- Transportation

- Coconino County Health and Human Services

- External advisory groups:

- Sustainability Commission
- Business Climate Advisory Group



CAAP-CNP Integration



Strategy 4: Encourage diverse native plant ecosystems in the built environment.

Incorporating low-water native plants and climate-adapted native plants into Flagstaff's developed areas and neighborhoods helps to conserve water resources, provides habitat for animals and pollinators, and increases community resilience.

NE-4-A	Expand current incentive programs to encourage low-water and climate-adapted native landscaping.
NE-4-B	Strengthen current zoning code requirements for native landscaping to include the use of climate-adapted varieties of native species that can survive in changing conditions.
NE-4-C	NEW: Develop a municipal strategy for identifying and utilizing climate-adapted native plants.



We welcome your questions, comments, and suggestions

Request for Direction: Would Council like to review the revised CNP at the November 29th work session?

The revised CNP will be presented to Council on December 6th for consideration and adoption.