CITY OF SEDONA

Climate Action Plan 2021

Overview

- Process Review
- Action List
- Next Steps

Desired Outcome

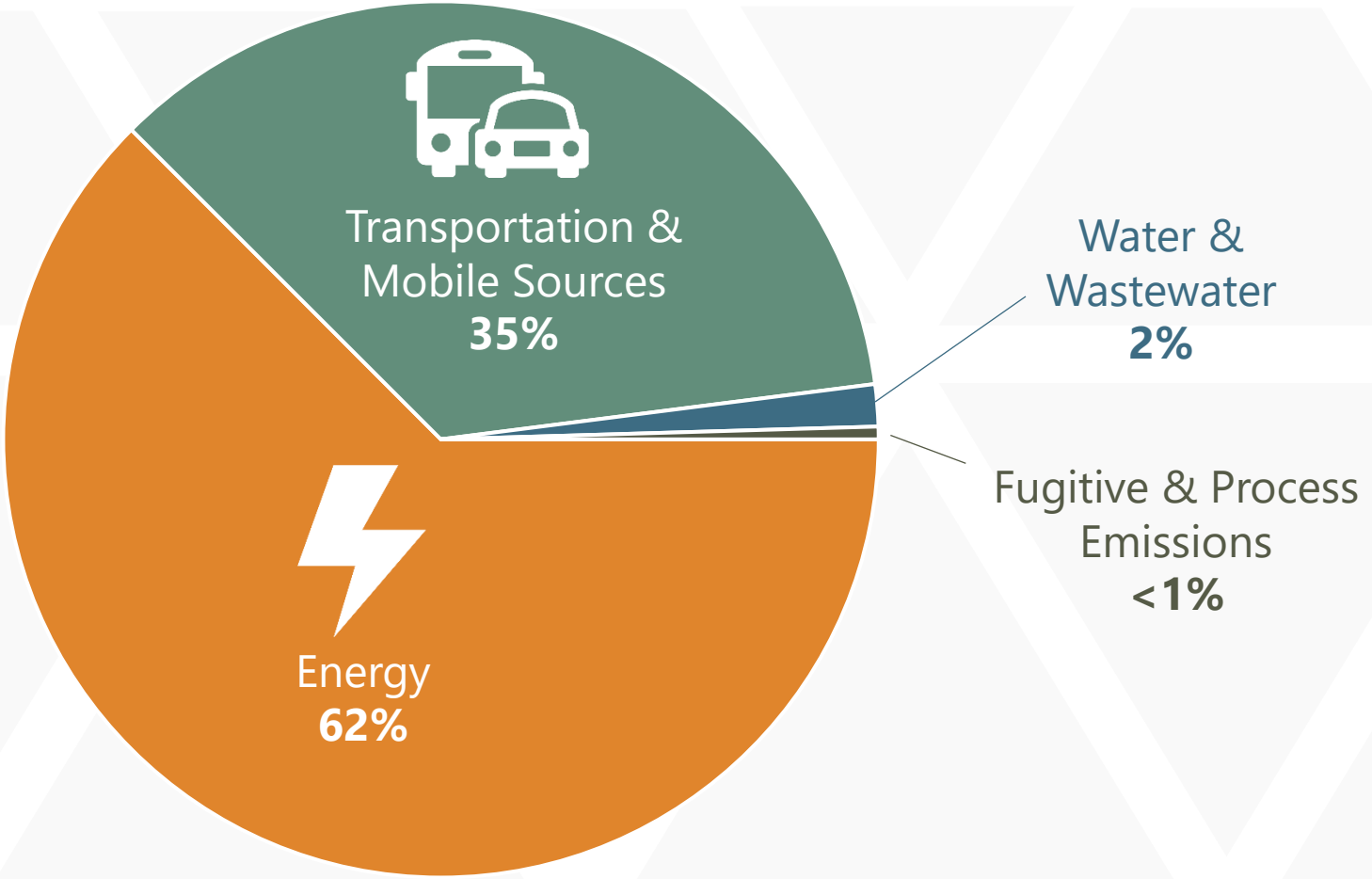
- Direction on the draft plan

Process Review

Sedona's Top Emissions Sources

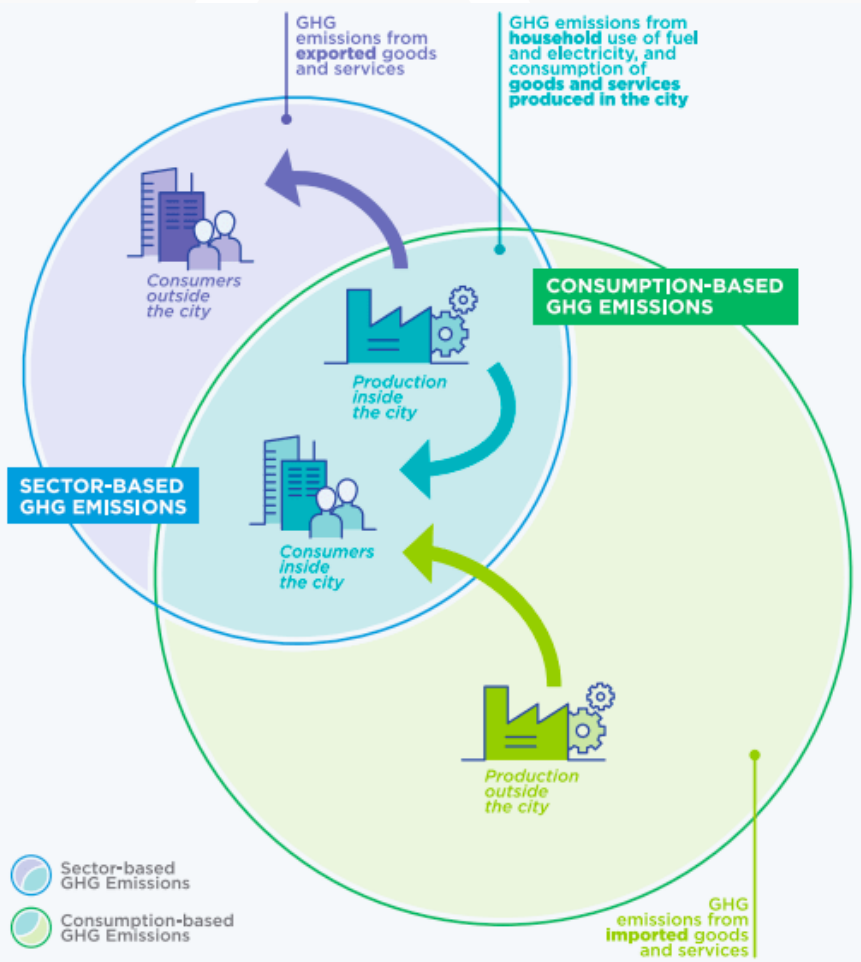
#1
Powering Buildings
(including heating & cooling)

#2
Vehicle Emissions



Consumption-Based Emissions

- Sector-based emissions: ~210,400 $MTCO_2e$
- Consumption-based: ~240,660 $MTCO_2e$



Why do we need a **Climate Action Plan**?

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

The **benefits** of a plan for Sedona are **broad**

Enhancing local habitat and recreational opportunities

Supporting low-income and disadvantaged communities

Improving quality of life, well-being, and the local economy

Promoting healthier lifestyles and public health

A Sedona Climate Action Plan will establish a **clear road map** of priority actions and projects

Areas of Focus

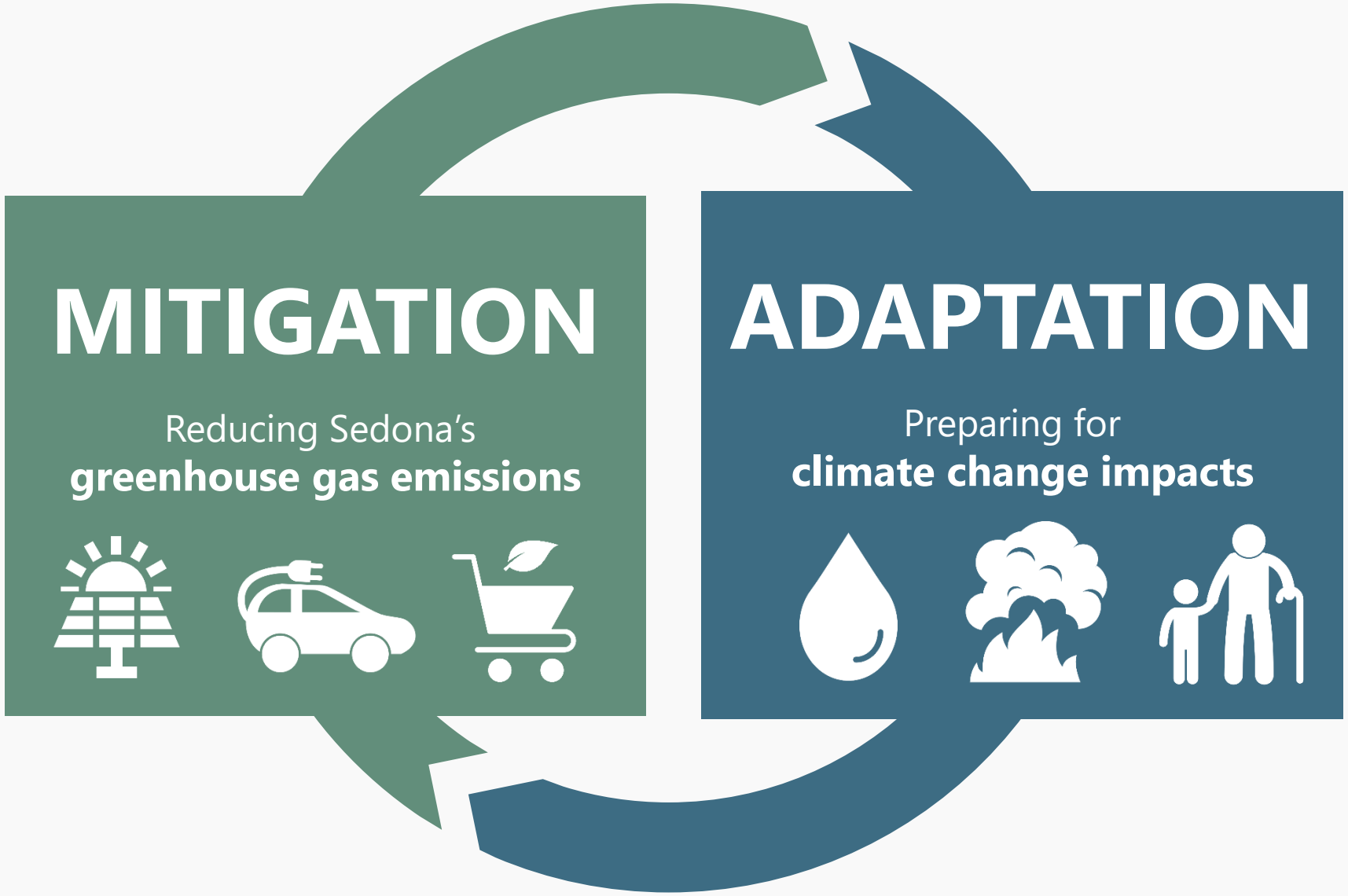
Transportation & Land Use

Water & Natural Resources

Community Resiliency

Waste & Consumption

Buildings & Energy


MITIGATION
Reducing Sedona's
greenhouse gas emissions
ADAPTATION
Preparing for
climate change impacts

Diversity, Equity and Inclusion (DEI)

The Climate Action Plan (CAP) prioritizes strategies and actions that ensure the inclusion of disadvantaged populations and promote equity in the distribution of benefits and burdens.

Timeline & Process Overview

Characterize climate changes and plan public engagement

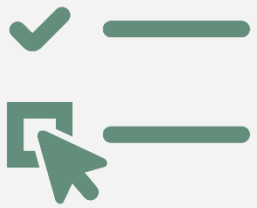
Identify vision, goals, priorities, and challenges

Identify, prioritize, and evaluate strategies

Draft action plan

Finalize action plan and implementation strategy

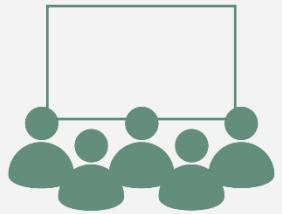
SPRING 2020 ..... SPRING 2021



Online surveys

Stakeholder workgroups*

Updates*



Workshops*

Pop-up events & open houses*

*These events will occur throughout the CAP process.

Advisory Committee

Arizona Public Service

Arizona Water Company

Coconino National Forest

Coconino County

Friends of the Verde

Healthy World Sedona

Northern Arizona Climate Change Alliance

Sedona Chamber of Commerce

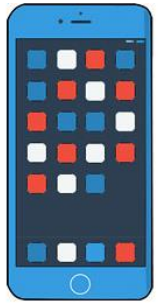
Sedona Fire District

Sedona XYZ

Sustainability Alliance

Yavapai County Emergency Management

This plan will build on the great work that the City and community have already been doing… and identify additional opportunities



Household hazardous waste and electronics recycling

Sedona and Yavapai County host free household hazardous waste and electronics collection events.

The Verde Valley Sustainability Alliance

collaborates with non-profits to foster sustainability take action on climate change.

The Municipal Sustainability Plan

which outlines clear steps to addressing sustainability and resilience in City operations over the next two years.

Sedona in Motion

focuses on projects that reduce environmental and visitor traffic impacts, improve traffic flow, support transit, and expand walking and bike-riding infrastructure and safety.

Oak Creek Watershed Council

and Friends of the Verde River work to protect the health of our watershed and coordinate watershed cleanups and activities.

Sedona Recycles

which provides recycling drop-off locations and educates the community on waste reduction, reuse, and recycling.

Community Engagement

City Council, community members, and the Advisory Committee identified **a target of a 50% reduction in community emissions by 2030**

Community Engagement

- 5 Virtual Open Houses
- 3 Community Surveys
- 3 Non-profit Presentations
- Over **600 community members** participated in a survey, open house, or non-profit presentation

Community Engagement

- Hosted draft strategies list on the Konveio platform for one month to collect comments
- **31 community members** provided **222 comments**

Action List

Action List Development

Multi-criteria Analysis

Effectiveness	How likely is it the action will work to address plan goals and targets? Is the action addressing a major sustainability need?
Cost	What is the relative ease of covering the costs of the action with City budget, grants, etc.? Is the cost of inaction significant? How affordable is the action to residents/businesses?
Feasibility	Is it possible to implement the action with current capacities within the City? Are there regulatory, political, or technological constraints?
Support	Is there strong support for action from the resident and business community?
Equity	Does the action address the needs of vulnerable and historically marginalized populations? Does the action reduce vulnerability for all populations?
Co-benefits	Does the action address multiple goals, or other City or community objectives? Does the action work with other City activities to amplify the collective impact?

Buildings and Energy

- Reduce building energy demand
- Shift to electric heating and power in buildings
- Maximize renewable energy generation and storage capacity

Transportation and Land Use

- Develop and maintain a safe, convenient, and effective system for walking, biking, and other active forms of transportation
- Improve and increase transit ridership
- Increase fuel efficiency, clean fuel use, and shared-use mobility services to reduce emissions and passenger vehicle miles traveled

Materials and Consumption

- Enhance sustainable production and consumption to minimize greenhouse gas emissions
- Increase waste diversion

Water and Natural Systems

- Expand and improve green spaces, including increased ecosystem quality, connectivity and accessibility
- Reduce water use
- Expand water reuse and improve water infrastructure

Climate Resiliency

- Institutionalize the consideration of climate change across City activities and decision-making
- Increase community capacity and awareness of climate change risks and impacts
- Adequately fund services for disaster preparedness
- Identify and target support for at-risk populations

Planned Additions to Next Draft

- Quantitative analysis that identifies cost and mitigation potential of different actions
- Implementation matrix that prioritizes actions and assigns leads and partners
- Call out boxes to better define confusing terms
- Graphics to communicate complicated concepts
- Citations to reference sources of information

Next Steps

- Advisory Committee will review the quantitative analysis provided by Cascadia and finalize the implementation matrix
- Staff will return to Council with a final draft of the Climate Action Plan in late June

Questions?