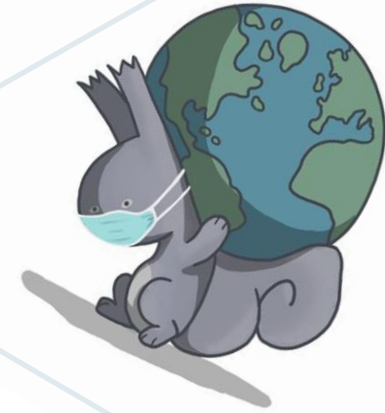


City of Flagstaff Climate Action and Adaptation Plan

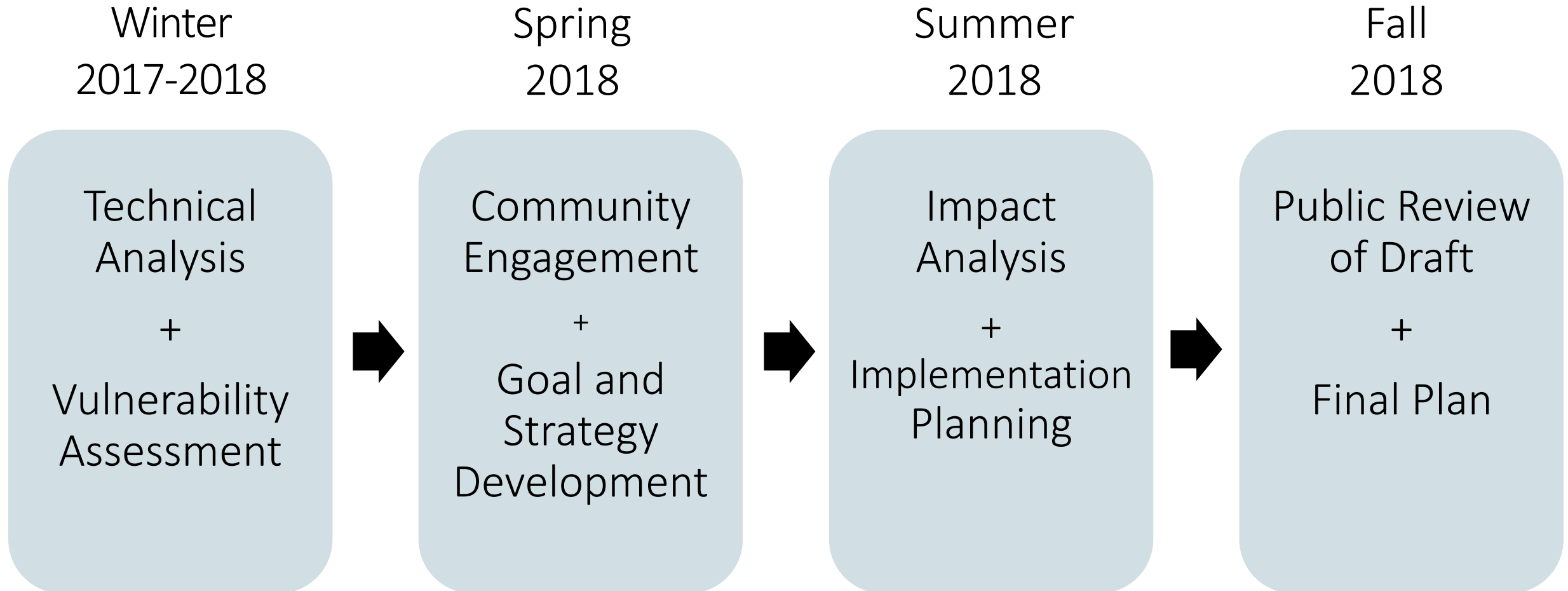


2017 – 2019 Flagstaff City Council Goal:

Take meaningful climate change action

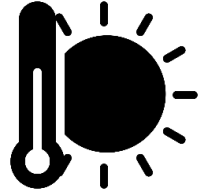
- Develop and implement a climate action plan.
- Become a 100% renewable energy city as an organization and a community.
- Achieve financial divestment from fossil fuels.
- Sponsor and support state or federal legislative action that combats climate change.
- Update energy code.

CAAP Plan Development Timeline





Why do we need a
Climate Action and
Adaptation Plan?



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



The benefits of a plan are broad



Enhancing local habitat and recreational opportunities.



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



Supporting low-income and disadvantaged communities.



Promoting healthier lifestyles and public health.

Climate Plans Can Answer Many Questions

- **How will things change?**
- **How will these changes impact Flagstaff? Our economy? Our vulnerable residents?**
- **How can we reduce our greenhouse gas emissions?**
- **How can we prepare?**
- **How will we pay for it?**
- **How can the community benefit from this?**



Commercial & Residential
Composting
program


What do
you think?

Rethinking
Tourism Industry

Rethinking
Waste
management
municipal

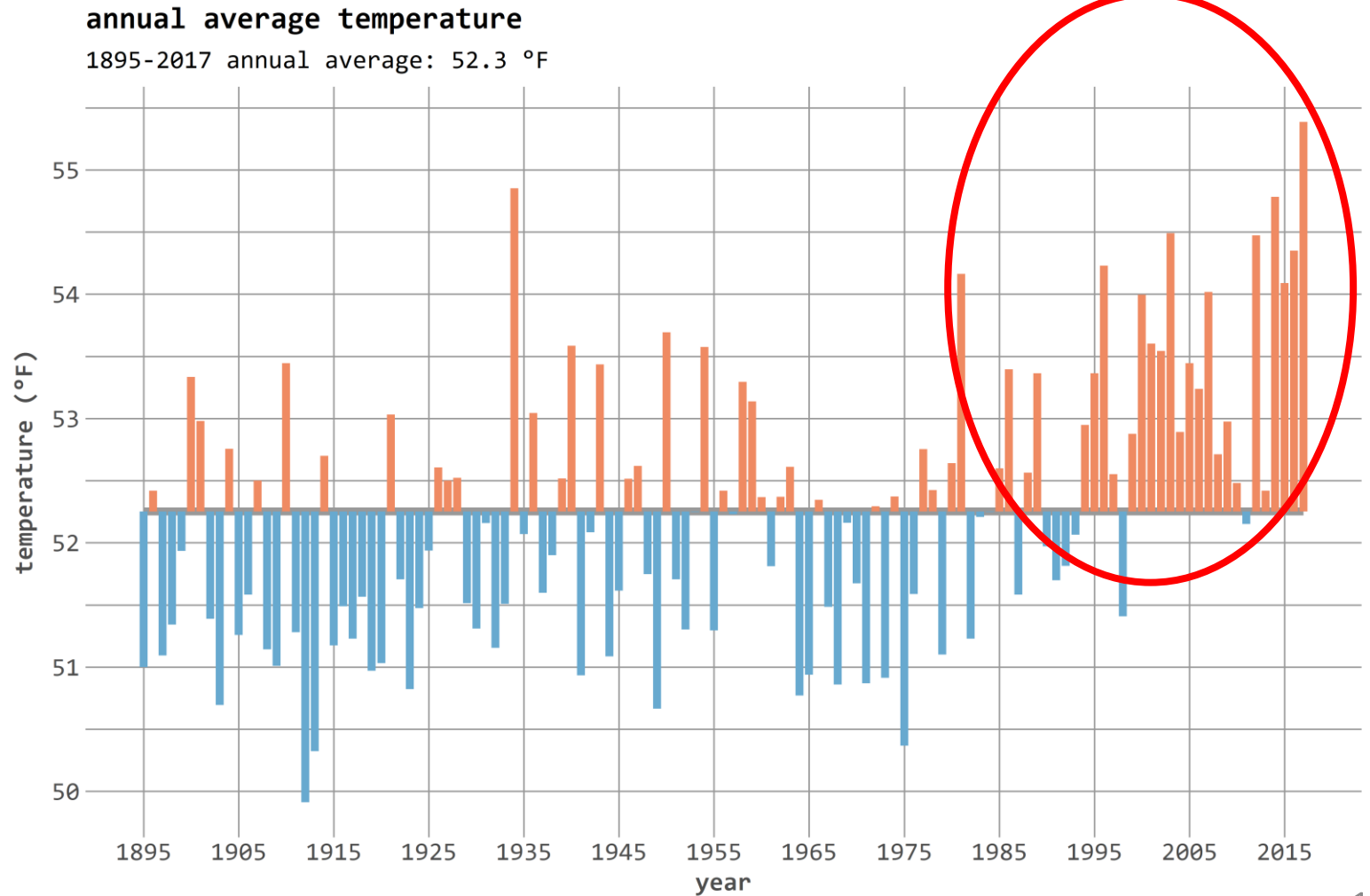
Welcome
A to Z the
Climate Plan
open house!

Plan
Development



Step One: Define how
the climate is changing
in Flagstaff

Temperatures have increased in Coconino County



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

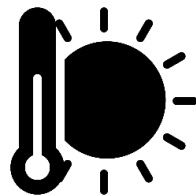


Hotter temperatures

Lower snowpack

Less healthy forests

Drier conditions



Step Two: Acknowledge
that everyone has a role
in climate action



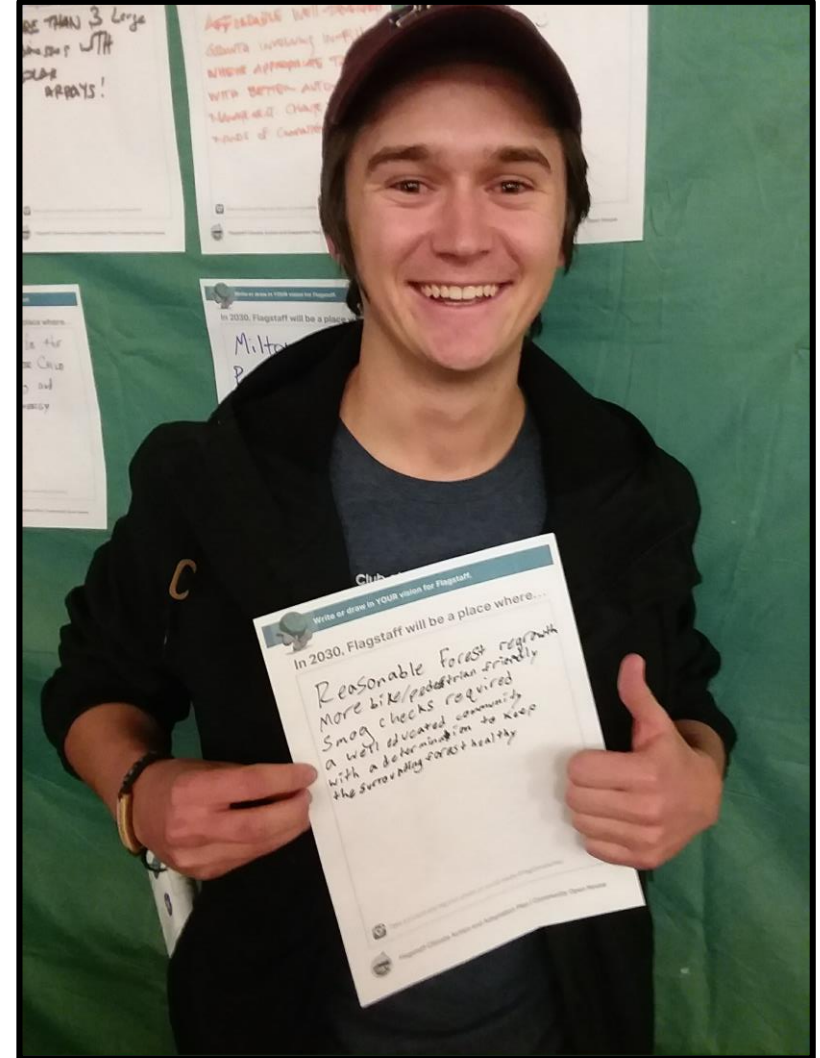
Host community conversations

Engaged more than 1,000 residents:

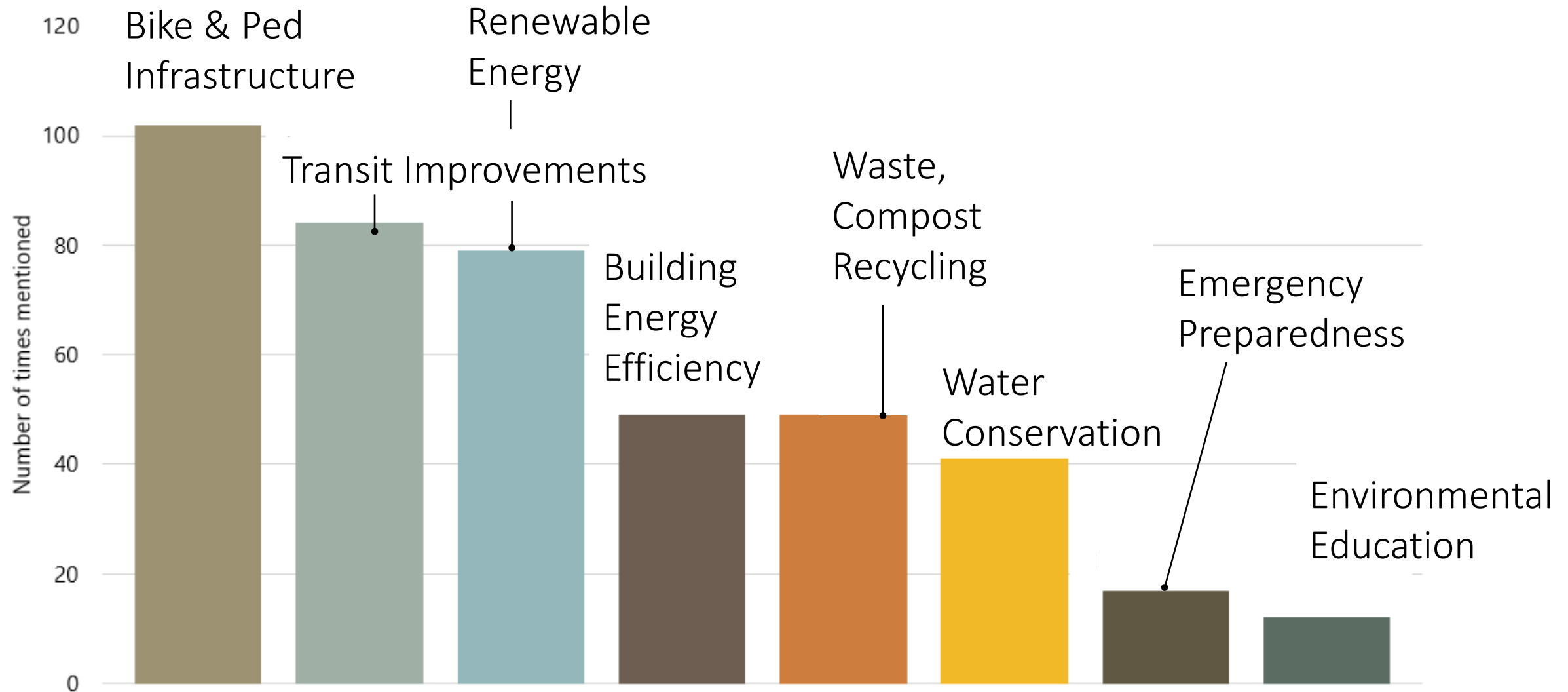
- Steering Committee
- Open Houses
- Online community surveys
- Monthly newsletters
- Monthly Coffee and Climate

Questions:

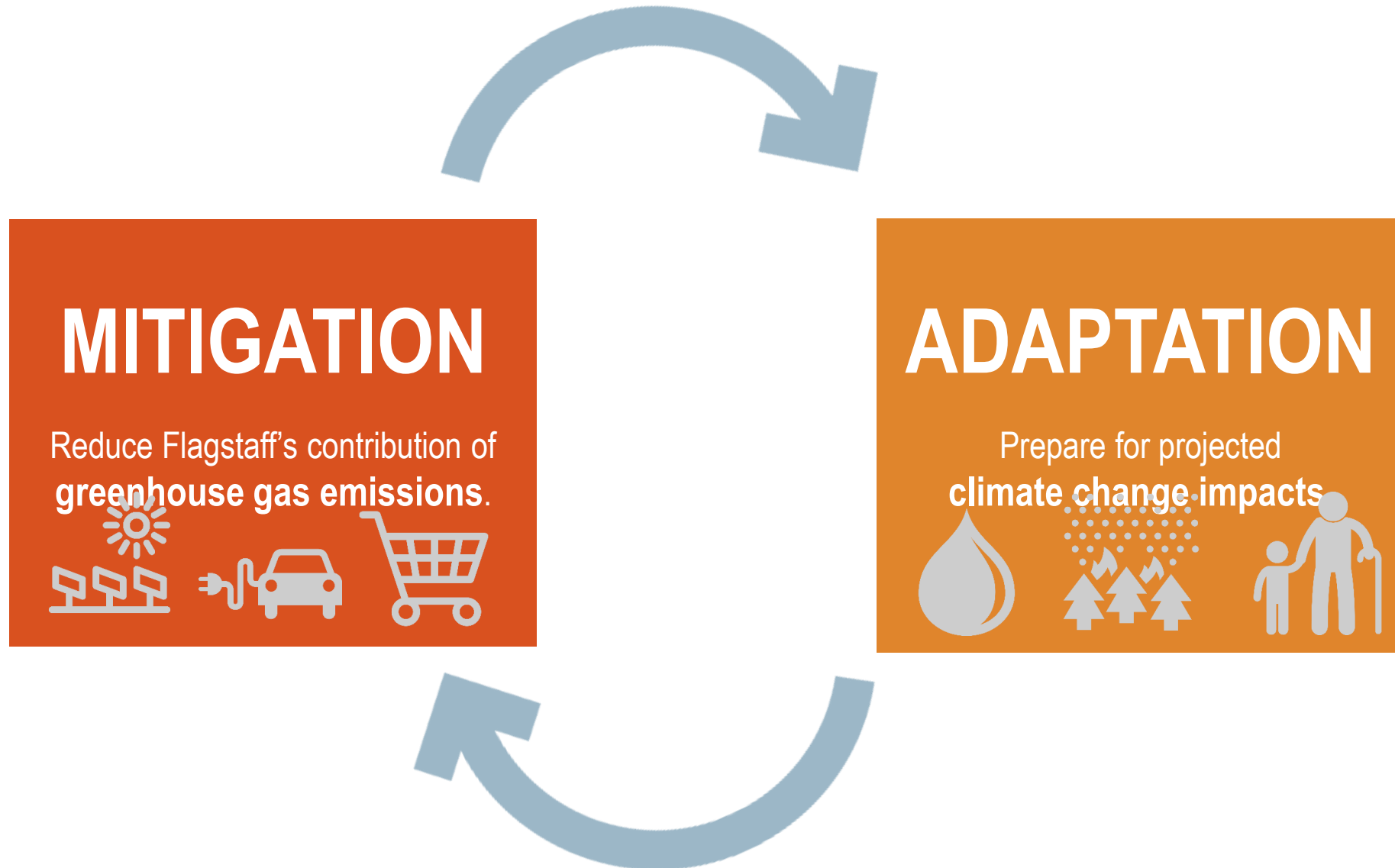
- What do you value about our community?
- What are you concerned about?
- What action do you want to see?



...to learn what actions the community supports



Step Three: Address both mitigation and adaptation

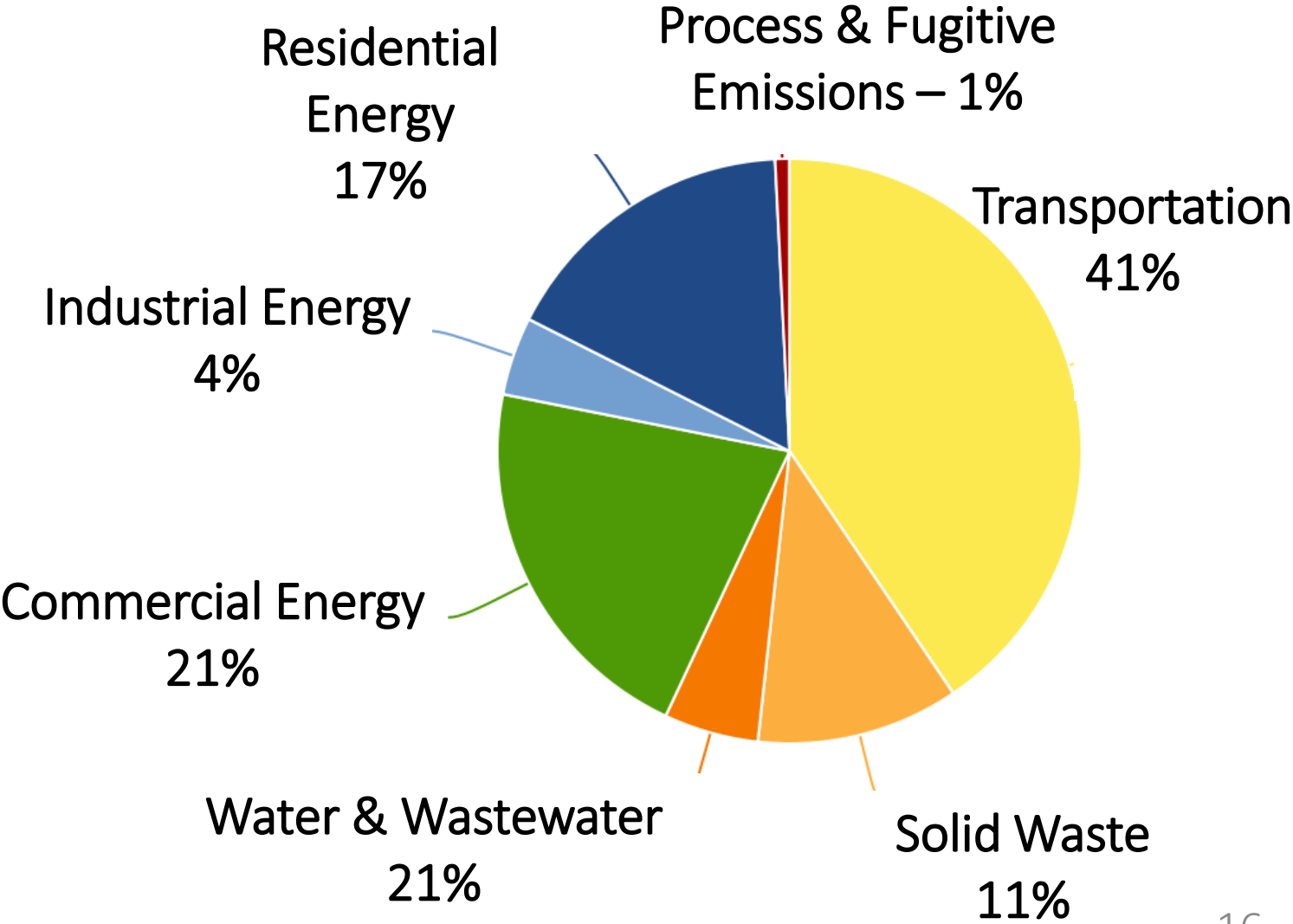


Mitigation means considering our contributions

#1
Car Emissions



#2
Powering Cities



Adaptation means preparing for what's coming

To be prepared for change, we must ask ourselves:

- What are the areas of greatest vulnerability to the negative impacts of climate change?
- What populations and neighborhoods are most vulnerable?
- Where does Flagstaff already have adaptive capacity and community resiliency?

Vulnerability Considerations

1

Water supply,
quality and
infrastructure

2

Forest health
and wildfire

3

Tourism and
recreation

4

Land use,
infrastructure and
affordability

5

Public health, safety
and emergency
services

Step Four:
Build on the
great work
that the City
and the
community
have already
been doing.



Community gardeners

grow fresh, local produce, provide wildlife habitat, and enhance natural stormwater drainage.



Student Climate Action

is happening in schools throughout Flagstaff by creative young leaders.



The Arboretum at Flagstaff

actively engages members of the community in climate change research and interpretation;



The Flagstaff Climate Action Council

is a community group whose mission is to advocate for the planning, implementation, and sustainability of meaningful climate action in Flagstaff.



Master Recyclers

provide guidance to the community on waste reduction and recycling.

Step Five: Set ambitious overarching goals

Mitigation

- Reduce Flagstaff's community greenhouse gas emissions by 80% by 2050
 - 2016 emissions as a baseline. Also known as an **80x50** goal

Adaptation

- Prepare the city's communities, systems, and resources to be more resilient to climate change impacts.

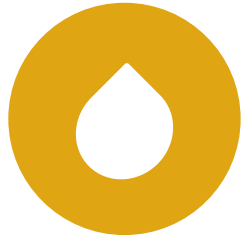
Equity

- Address climate change in a manner that prioritizes those most impacted.

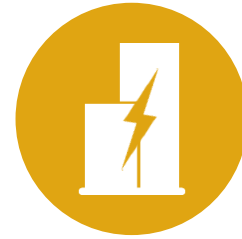
Step Six: Develop strategies and actions across seven focus areas that address Flagstaff's unique context



Natural
Environment



Water
Resources



Energy



Transportation
& Land Use



Waste &
Consumption

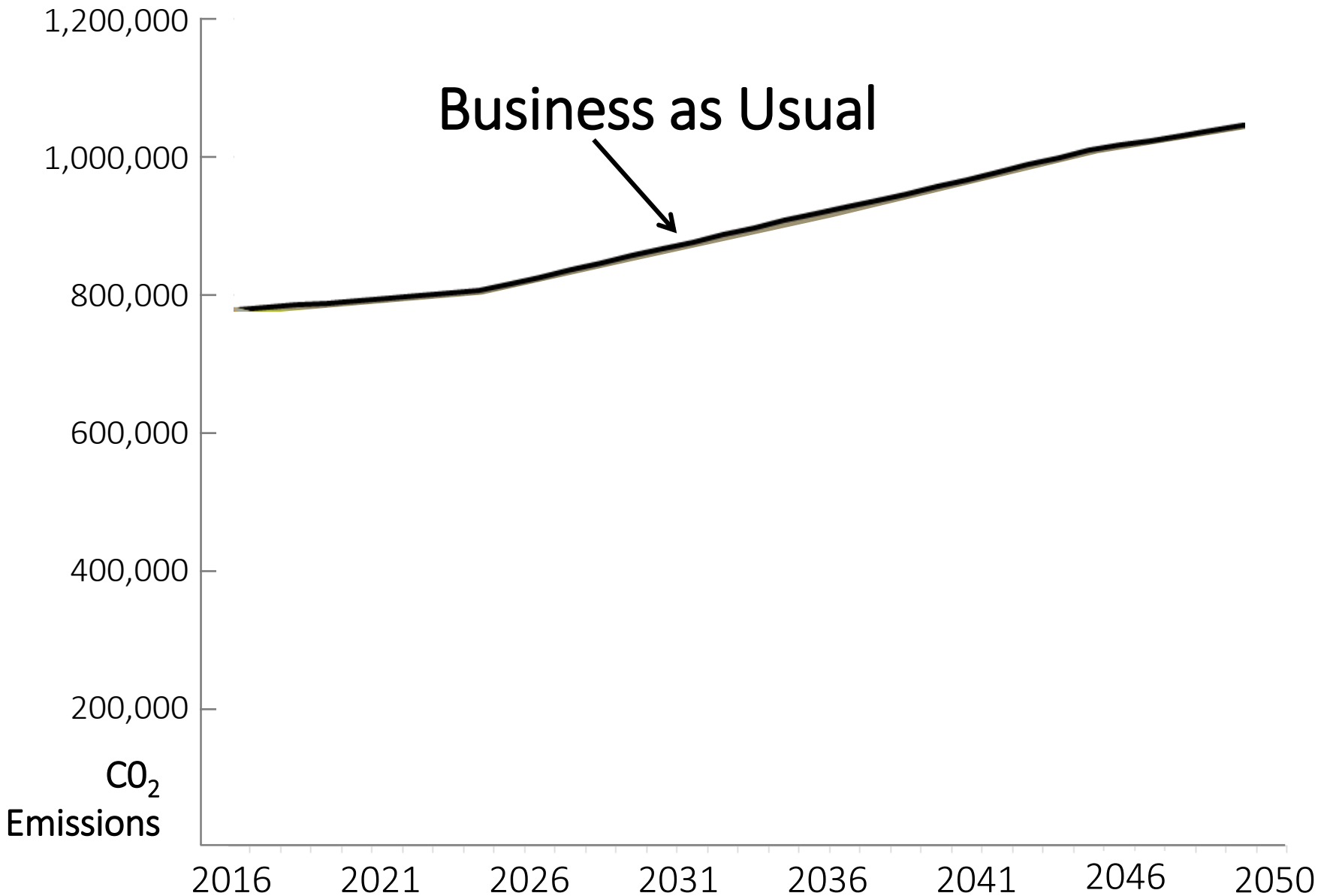


Public Health &
Emergency Services

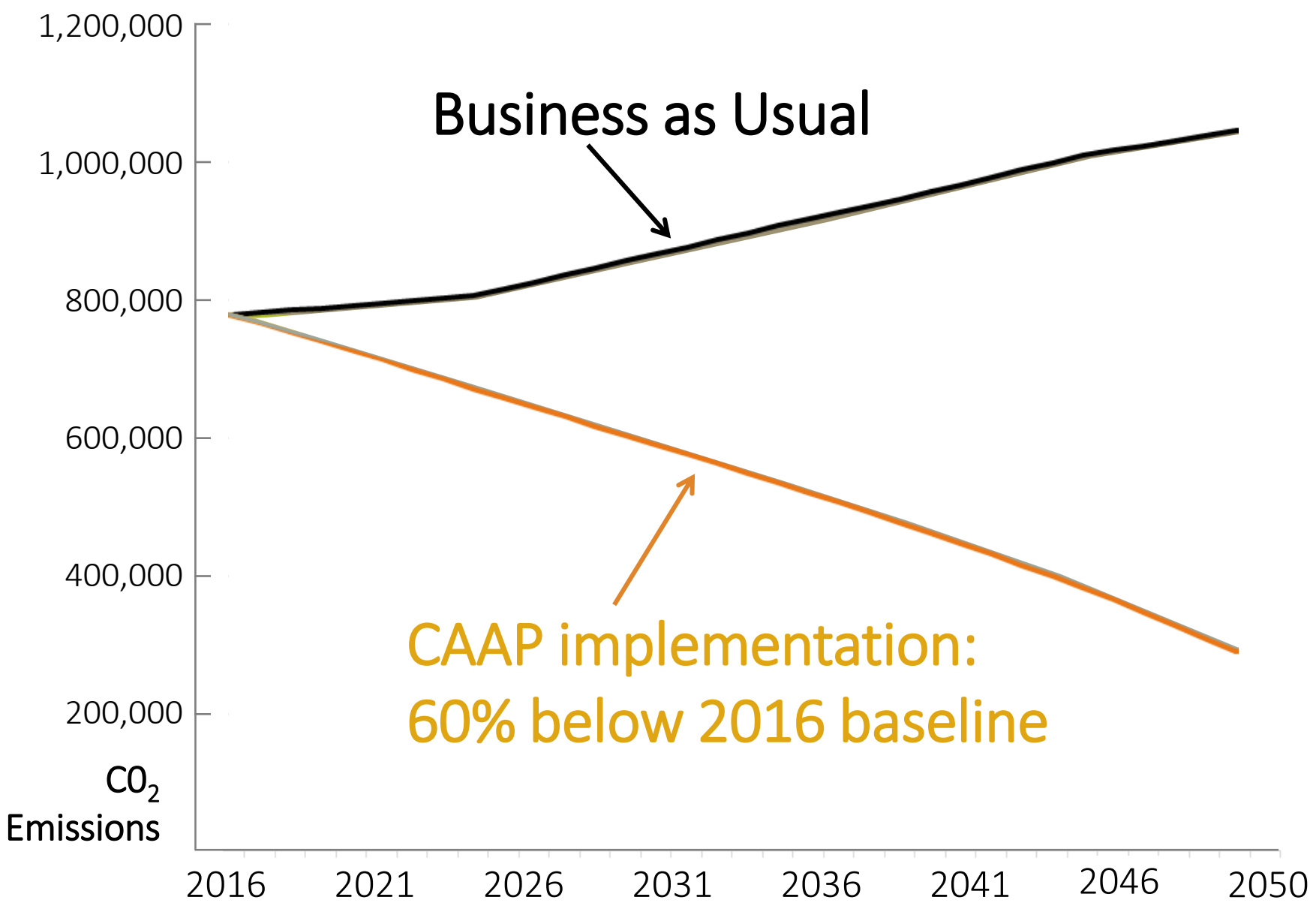


Economic Prosperity
& Recreation

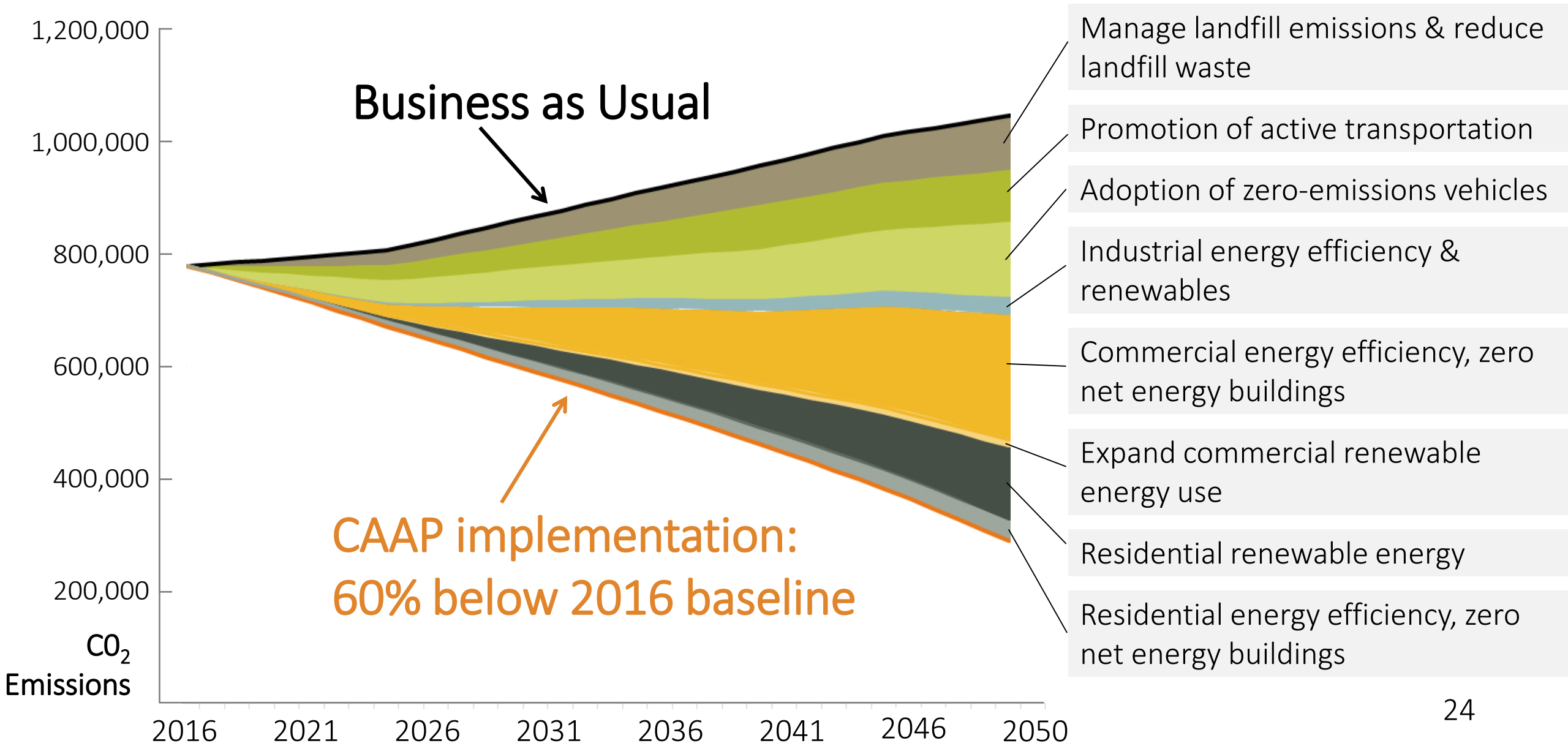
Step Seven: Analyze potential impacts of the Plan



Potential Impact of the Plan



Potential Impact of the Plan



Step Eight: Create a detailed implementation strategy

- ▶ Leadership
- ▶ Budget
- ▶ Internal Planning and Capacity Building
- ▶ Accountability and Reporting
- ▶ Plan Updates
- ▶ Operationalizing Equity
- ▶ Supporting Community Capacity
- ▶ Community Outreach

Questions and Discussion

Thank you!

Nicole Antonopoulos
Sustainability Director