

CITY OF SEDONA SUSTAINABILITY

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THE COMMUNITY PLAN SUPPORTS

Policies and actions by government and citizens that enhance our natural and built environments, create a diversified economy, improve individual and collective quality of life, and create an educated, equitable and prosperous community.



VISION FOR A SUSTAINABLE SEDONA

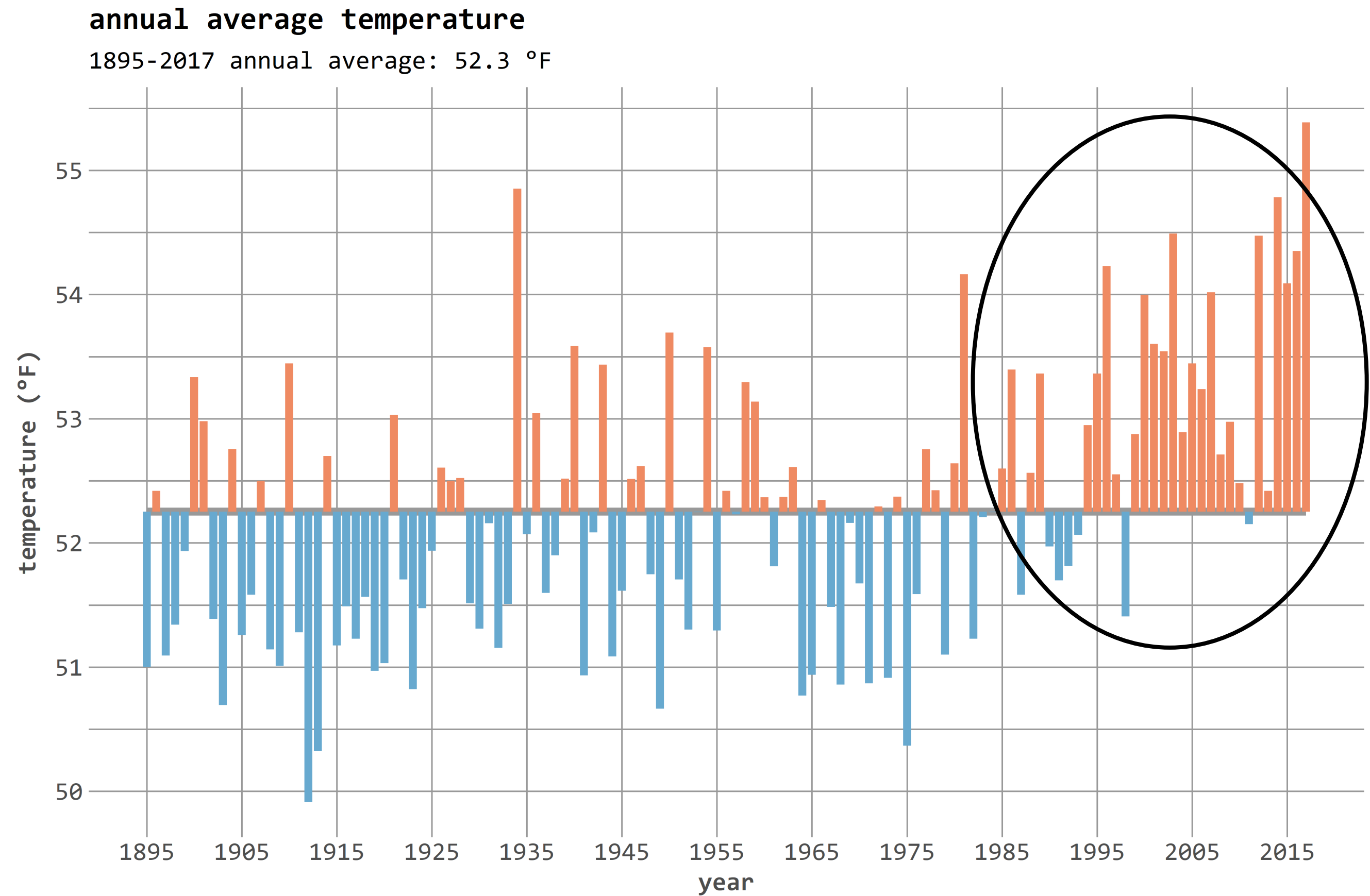
- Healthy forests
- Thriving economy
- Secure water resources
- Multimodal transportation
- Renewable energy
- Zero waste
- Resiliency for all neighborhoods

But this sustainable Sedona is already facing threats...



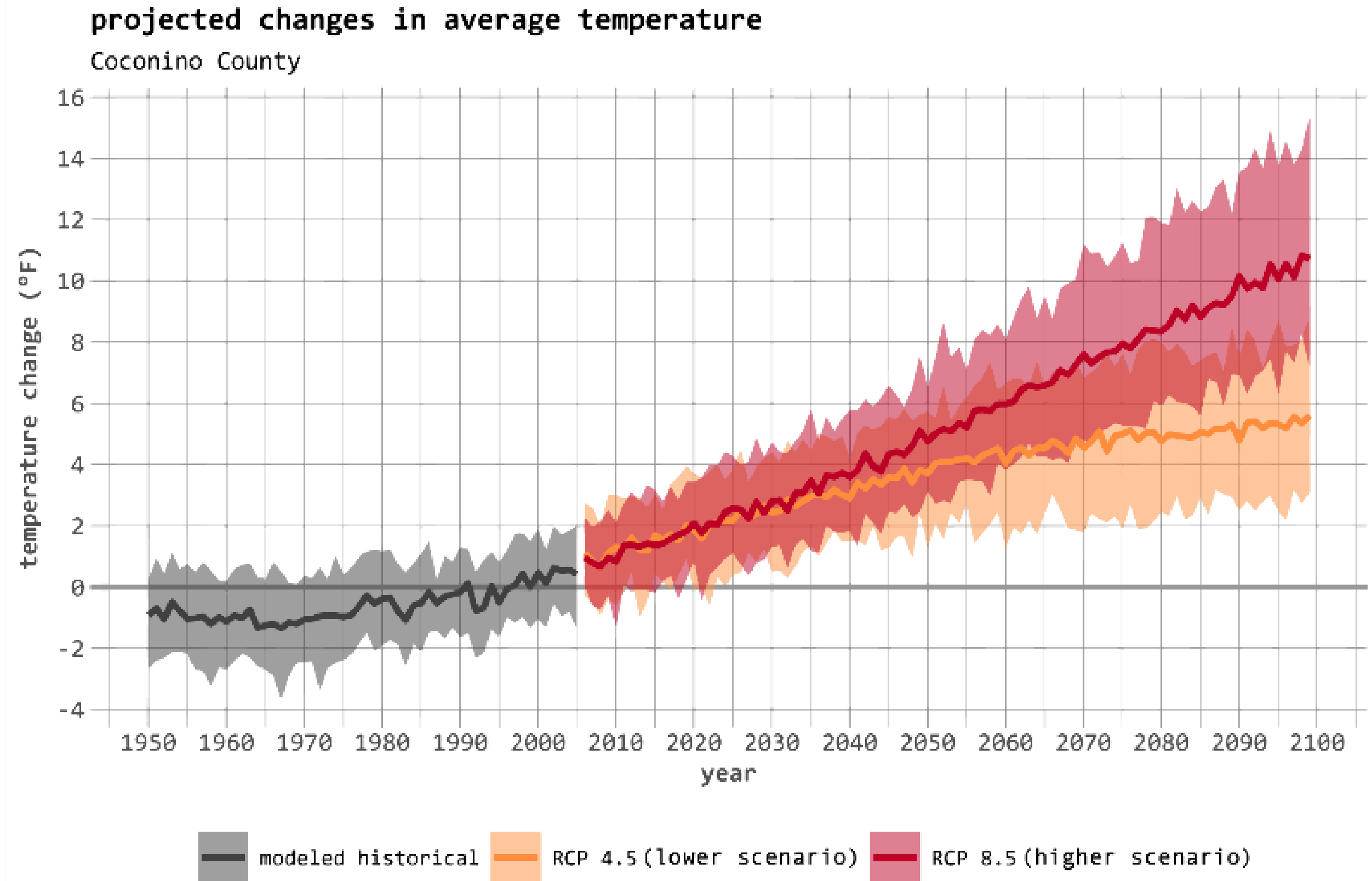
CLIMATE CHANGE IN SEDONA

Temperatures
have already
increased.

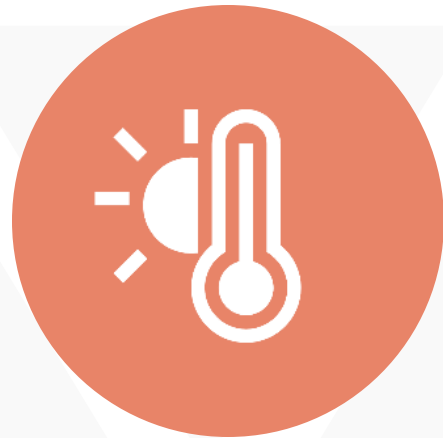


CLIMATE CHANGE IN SEDONA

Temperatures will
continue to rise.



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



Hotter
temperatures



More severe
drought



More intense
storms



Increased wildfire
and smoke risk



Increased damage
from pests



More severe
erosion



Lower water
quality

What do the changes mean?



More insect-borne
diseases and
respiratory health
concerns



More extreme heat
and drier conditions



More intense
rainstorms are
possible



Potential for
less tourism

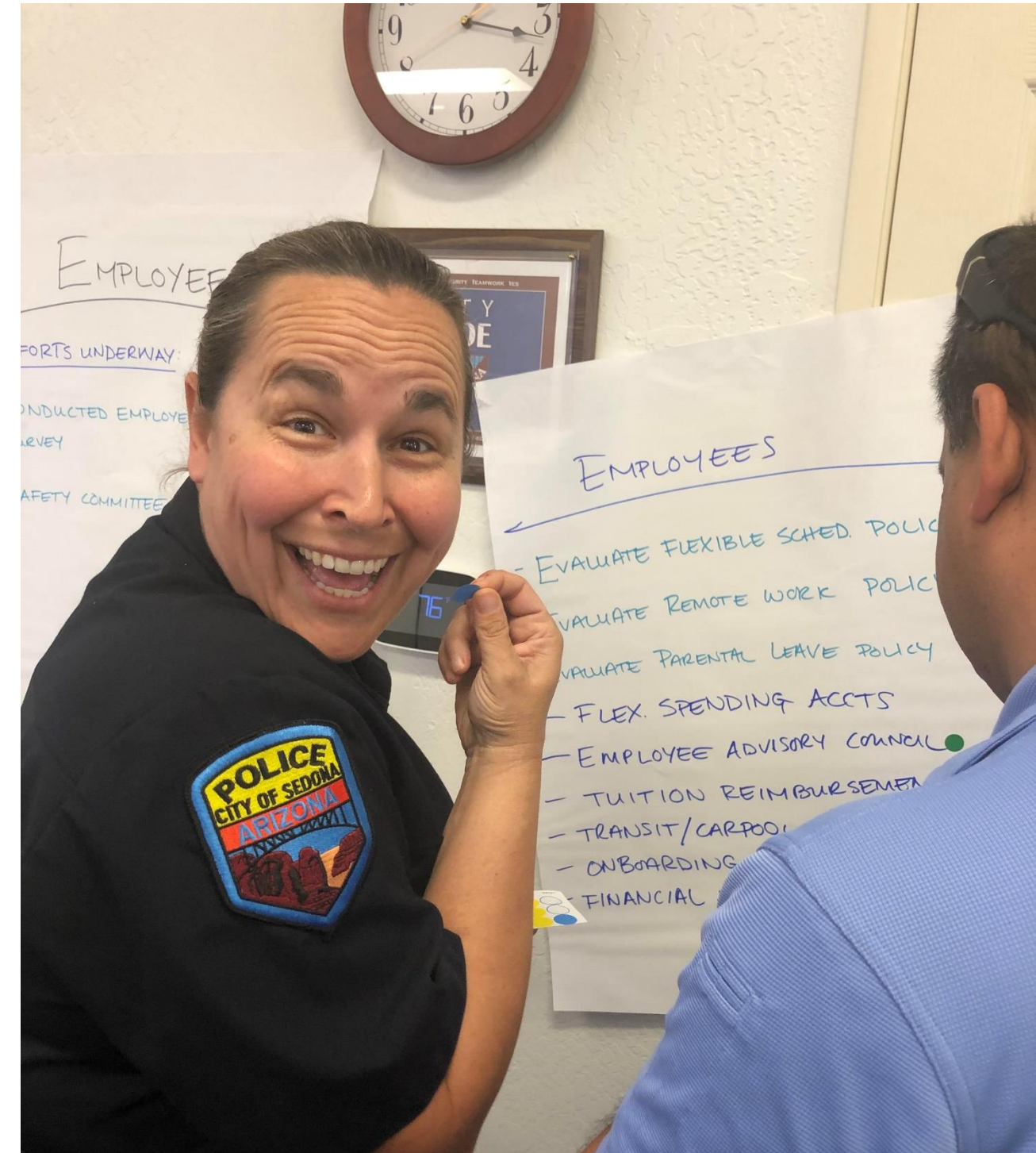
WHAT IS AT RISK?

- Forest health and wildfire
- Water supply, quality, and infrastructure
- Land use, infrastructure
- Affordable housing
- Public health and safety
- Food supply
- Tourism and recreation



HOW ARE WE RESPONDING?

- Finalized a Municipal Sustainability Plan for the organization
 - Identifies goals, objectives, and actions
 - Representation from employees across the organization
- Adopted a community-wide Climate Action Plan



ORGANIZATIONAL GOALS

- To be resilient
- To be carbon neutral
- To be water smart
- To be zero waste
- To support thriving municipal lands
- To be a healthy workplace



WHAT IS THE CITY'S ROLE?

- Leading by example
- Demonstrating what is possible
- Sending market signals
- Support residents with:
 - Policies
 - Education
 - Infrastructure
- Centering equity



ENERGY

Reduce energy consumption

Increase renewable energy generation



ENERGY



- Establish baseline energy use and targets
- Conduct facility upgrades
- Install solar power on City property
- Develop a Green Fleet Policy

RECENT SUCCESSES



- Facility upgrades resulted in 19% decrease in electricity use from July 2018 to July 2019
- Council adopted new building codes with provisions for solar and electric vehicle readiness
- Constructed 150 kW solar carports at City Hall



RECENT SUCCESSES



- Purchased first all electric City fleet vehicle
- Installed 6 public electric vehicle charging stations with 8 more on the way



WATER

Reduce water consumption

Improve water quality



WATER



- Establish baseline water use and targets
- Conduct facility upgrades
- Conduct staff training on best practices in green infrastructure
- Update low flow toilet incentive program

RECENT SUCCESSES



- Facility upgrades resulted in 16% decrease in water use from July 2018 to July 2019
- Eliminated the use of glyphosate in City operations
- Partnered with Oak Creek Watershed Council on watershed cleanups and education



WASTE

Reduce, reuse, recycle.



WASTE



- Prevent waste at large City events
- Compost green waste from City projects
- Develop Sustainable Purchasing Policy

RECENT SUCCESSES



- Hosted first Fix-it Clinic. Repair coaches fixed 81% of the items they worked on
- Diverted 10,620 lbs of hazardous waste and 15,254 lbs of electronics from the landfill
- Installed 5 water bottle refill stations at the pool and City parks

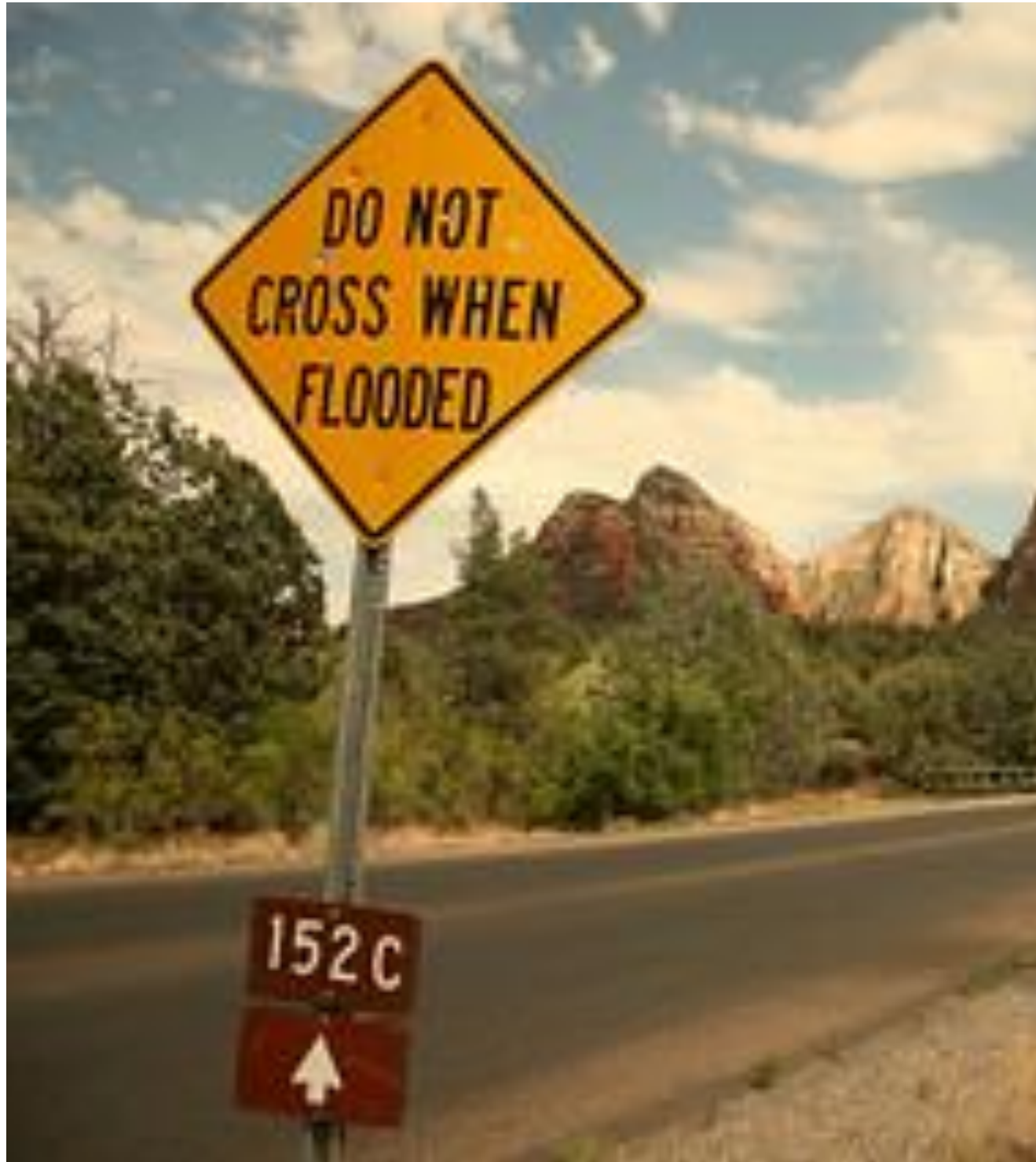


RESILIENCY

Prepare for impacts of extreme weather events



RESILIENCY



- Completed first municipal and community greenhouse gas inventories
- Partnered with NOAA to develop Climate Profile for the Verde Valley

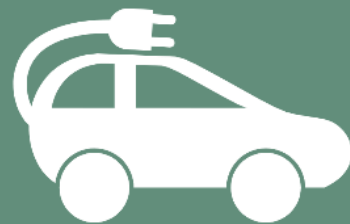


COMMUNITY-WIDE CLIMATE ACTION EFFORTS



MITIGATION

Reducing Sedona's
greenhouse gas emissions



ADAPTATION

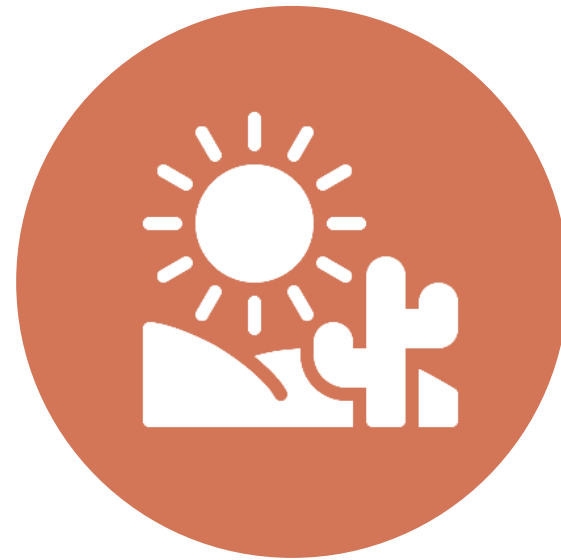
Preparing for
climate change impacts



FOCUS AREAS



Transportation
& Land Use



Water &
Natural
Resources



Community
Resiliency

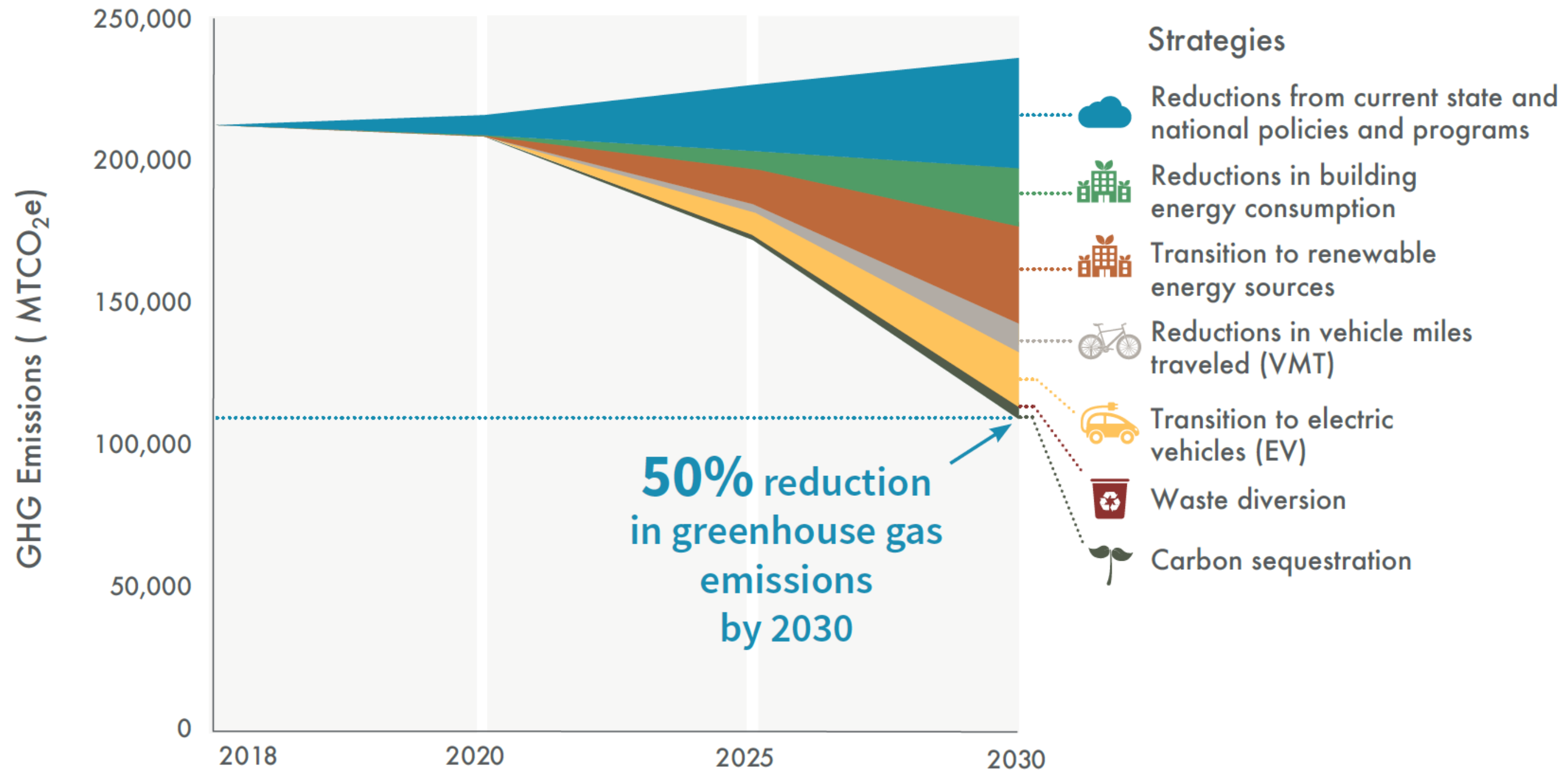


Waste &
Consumption



Buildings &
Energy

TARGET SETTING



WHAT DOES THAT MEAN FOR SEDONA?

- Reducing vehicle miles traveled
- Reducing building energy demand
- Increasing renewable energy generation
- Increasing share of electric vehicles on the road
- Reducing landfilled organic waste



EQUITY

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



ISSUES IDENTIFIED

- Education and resources to save energy and water
- Pedestrian infrastructure to increase safety
- Transit for children for afterschool programs
- Litter and bulk trash accumulation in neighborhood



QUESTIONS?



Talk to Me

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