

Carbon Neutrality Plan Quarterly Update

September 14, 2021





Today's Discussion

1. Reaching Carbon Neutrality Action Updates

- Strong neighborhoods
- Clean Our Energy Sources
- Manage our Consumption
- Uphold our Commitment

2. Investment Strategy

3. Implementation Tools

4. Regional Plan Amendment

5. Thank You to our Climate Interns

Carbon Neutrality Action Updates





- Home Energy Rebate Program Revisions for FY22
- Neighborhood Sustainability Grants: FY22 applications open
- Program accessibility review completed

Upcoming Actions

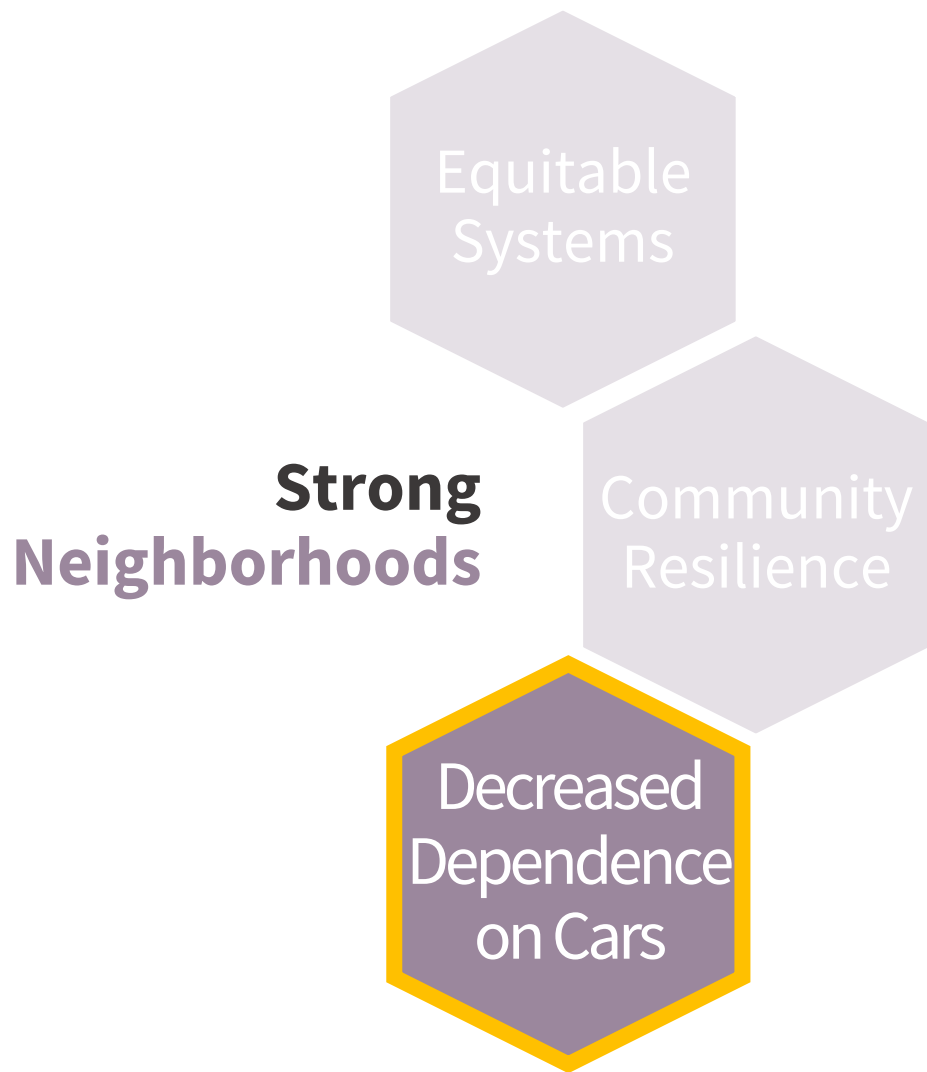
- Accessory Dwelling Unit Accelerator – pre-approved plan sets
- Equity Advisory Committee
- Youth engagement



- Community forum on the International Panel on Climate Change (IPCC) 6th Assessment
- Flagstaff HEPA Filter Program
 - Partnership between Sustainability and FFD
 - Grant funded
 - 76 households served
- Watershed clean ups

Upcoming Actions

- NAU Climate Action Plan
- NAU Climate Science and Solutions Graduate Program collaboration - Advancing Resilience
 - The class will present to Council on September 28th and November 30th
- Make a Difference Day: Tentatively scheduled for October 16th



- Assisting with development of the Housing Plan and the Active Transportation Master Plan
- Protected bike lane pilot work by Engineering, Streets, and Parks

Upcoming Actions:

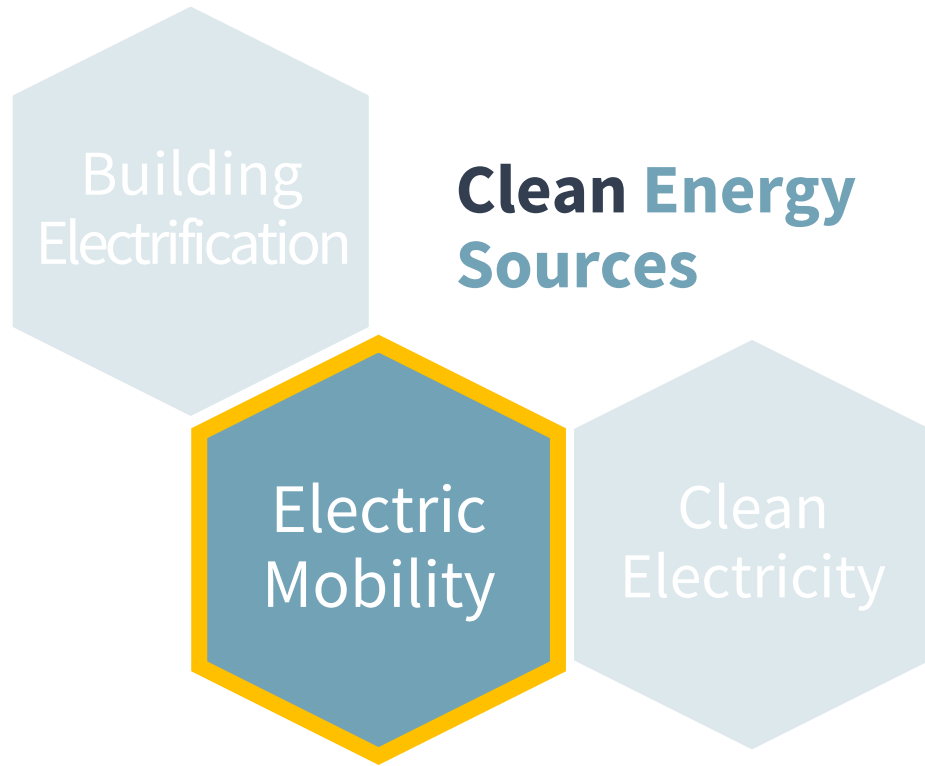
- Active Transportation Master Plan public engagement
- Regional Transportation Master Plan (Metroplan)



- Home Energy Rebate Program - appliance rebates only awarded for electric appliances
- Building Electrification Hub website launched
- All electric buildings being proposed for development

Upcoming Actions

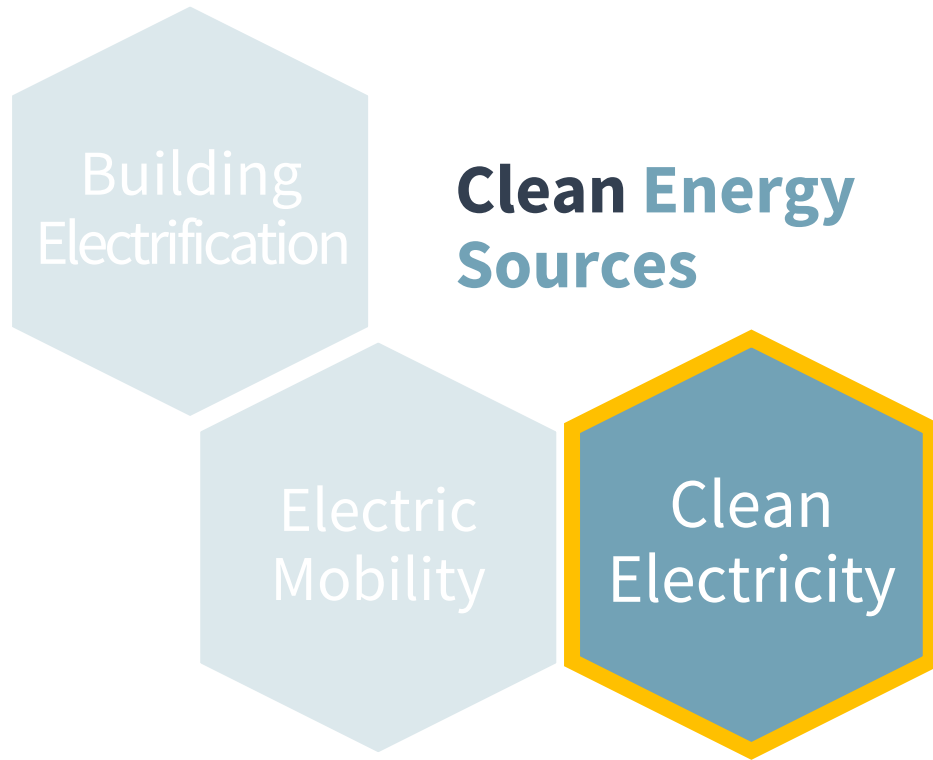
- Training for regional contractors on building electrification



- Electric Vehicle Charging Stations:
 - 4 charging stations installed at the Aquaplex – soon will be available for public use
 - Airport – construction to start late fall
- EV Ride & Drive event with APS
 - November 6th
- Sustainable Automotive Rebates

Upcoming Actions

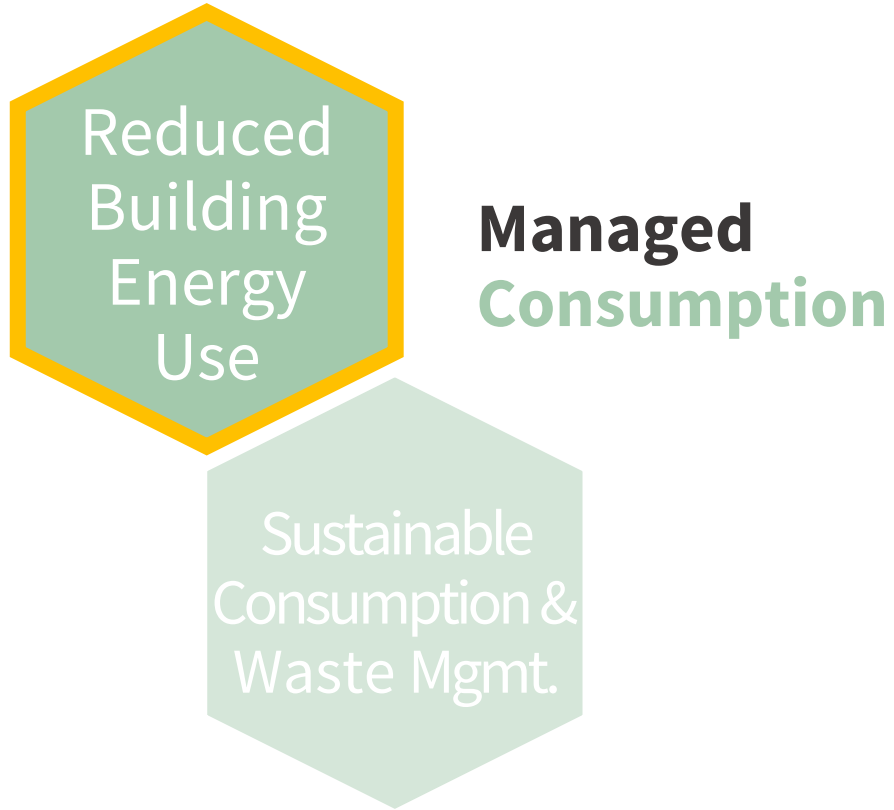
- E-Bikes for City staff use
- APS Take Charge – additional site request
- Mountain Line – piloting EV busses



- Solar United Neighbors
 - 89 residential contracts
- Arizona Corporation Commission
 - Clean energy regulations
- Green Power Partners Program – passed at the Arizona Corporation Commission

Upcoming Actions

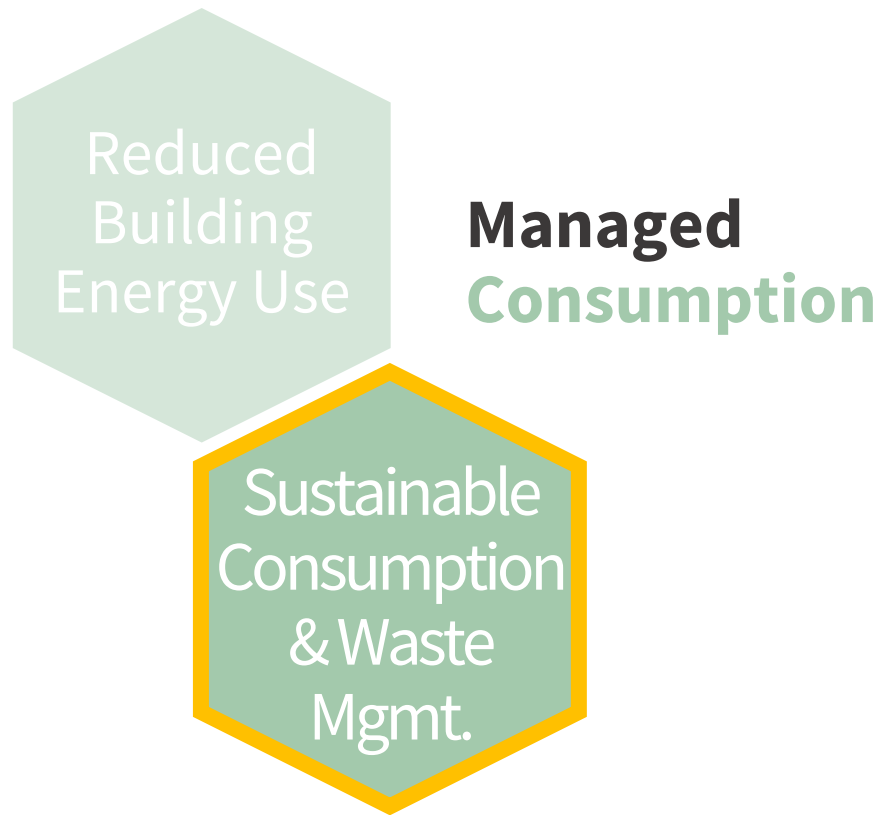
- Continue exploration of partnerships and funding mechanisms for large scale renewables



- Energy Services Contract
 - Finalize the scope, process and walk-away fee
 - Contract to City Council for approval on October 12th
- RentLab engagement campaign

Upcoming Actions

- Potential earmark for significant funding of a retrofit program through the Omnibus spending bill
- Updates to the Sustainable Building Resolution for municipal buildings



- Pay-as-You-Throw Pilot: "Trash Less, Save More!" in Ponderosa Trails
 - 177 households have signed up
- Residential Food Scraps Drop-Off
- Garden Workshop and Food Stories Series Events
 - 7 events with 55+ participants
- Community Compost Hubs
 - 80+ registered participants

Upcoming Actions

- Year 3 Innovate Waste Challenge
- Rethink Waste Update to Council
- Beautification and Art project at O'Leary Street garden

Upholding our Commitment



- Developing partnerships across the city, region and state
- Arizona Workshop for the I-West initiative with the Center for Negative Carbon Emissions
- Two Carbon Dioxide Removal business incubator scholarships at NACET

Upcoming Actions

- Innovate CDR Challenge (coupled with the Innovate Waste Challenge)
- Continue exploration of partnerships and funding mechanisms for large scale projects

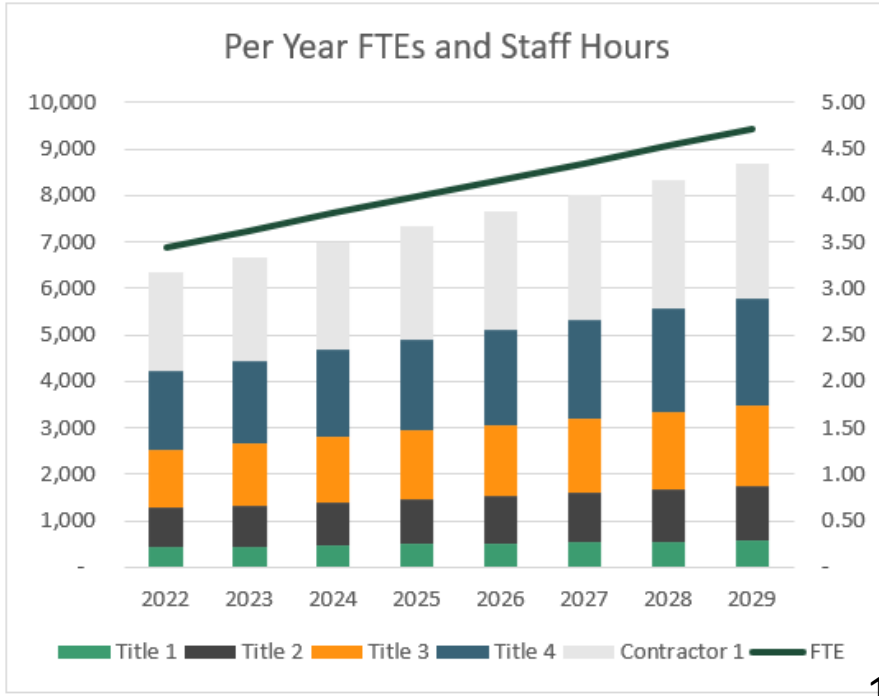
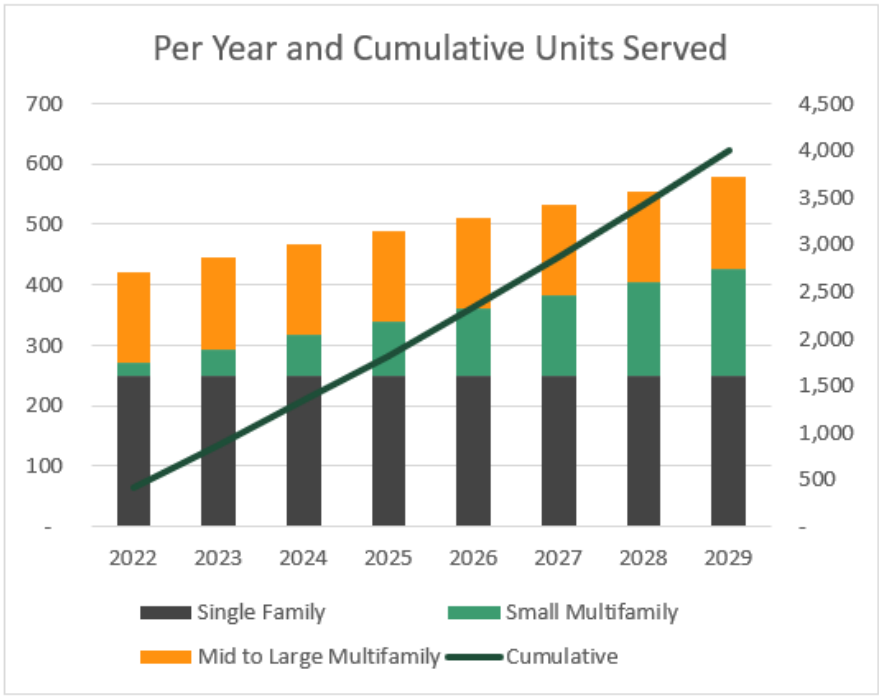
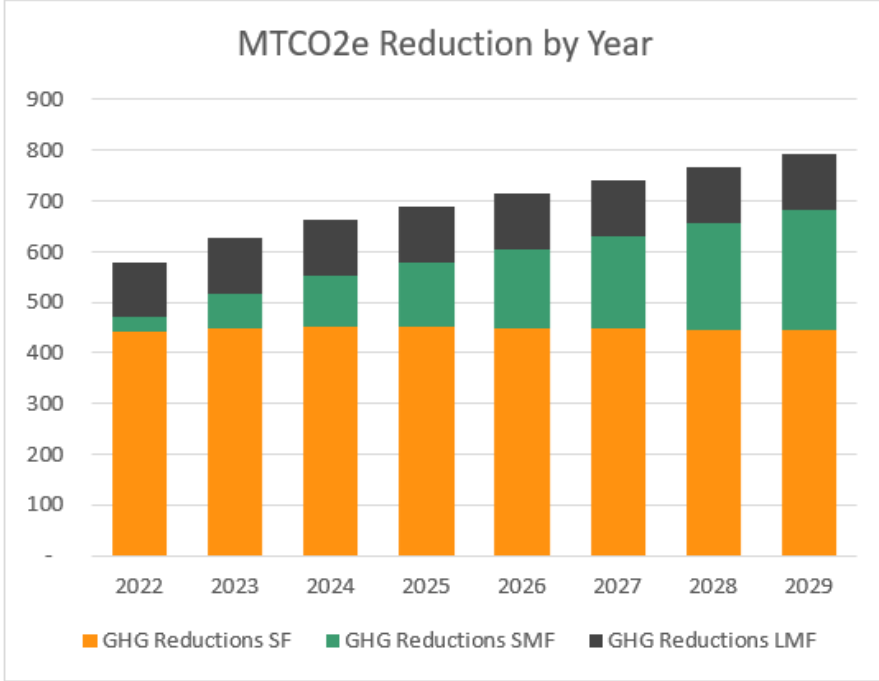
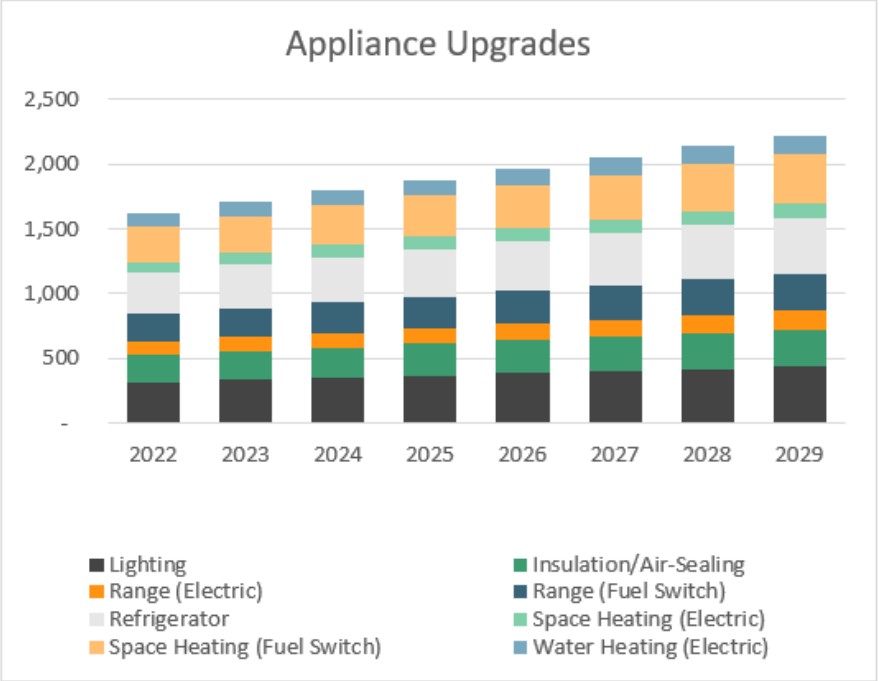


Investment Strategy

Process to quantify, design and create funding strategies around specific climate action programs and projects

- Prioritization
- Design sprints - clear set of deliverables in a set window of time
 - 1st sprint focusing on 1) deep decarbonization retrofits 2) rebates and incentives, and 3) bulk buy/discounts
- Best practice scan – specific strategies identified in the sprint, identify existing evidence-based approaches to implementation
- Quantification – potential cost, resource needs and impacts
- Program design and funding strategy – right fit solutions

An example of deep decarbonization retrofits investment scenario





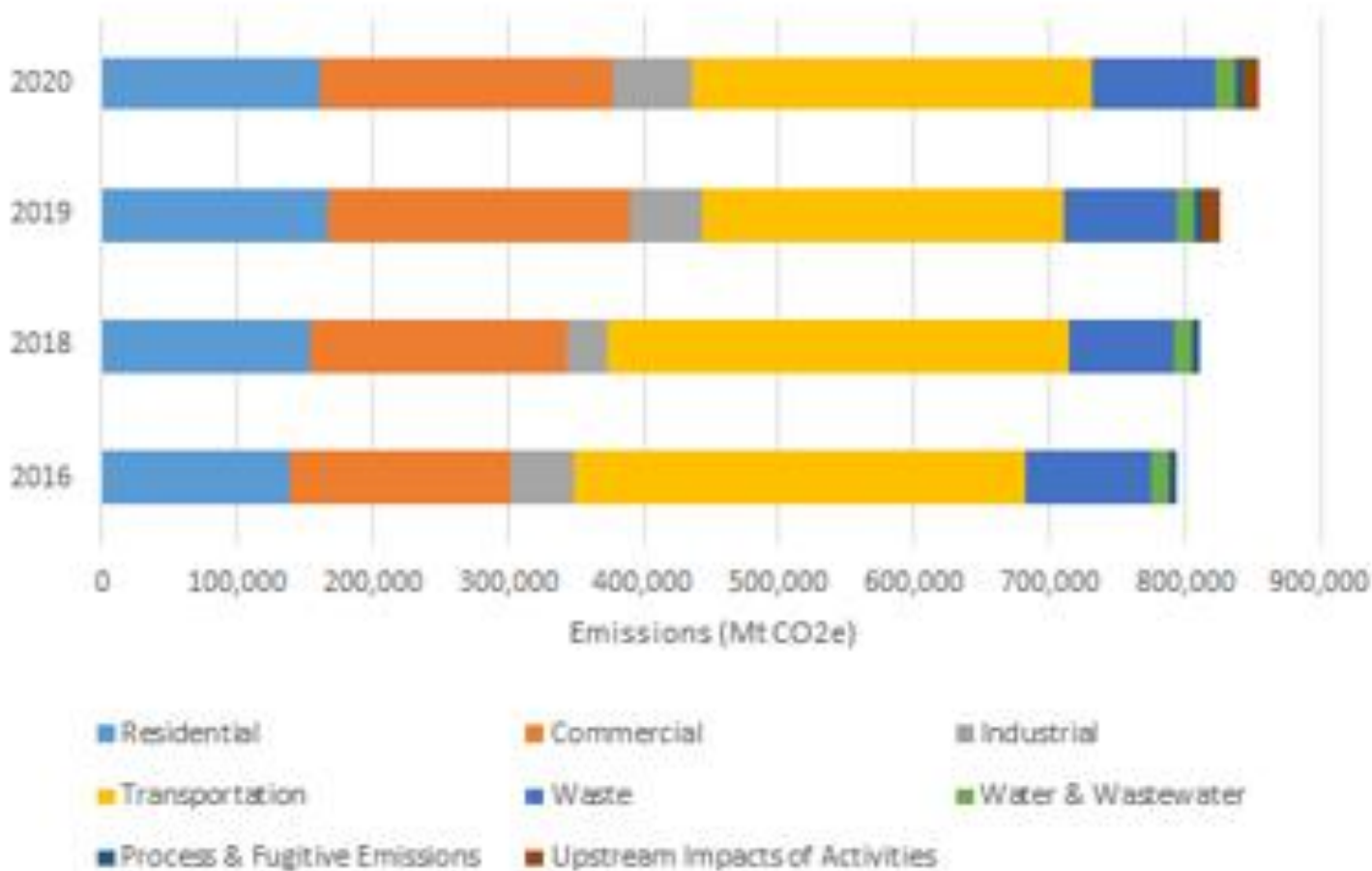
Implementation Tools

- Sustainability matrix
- Staff summary update
- Funding
 - EDA and DOE opportunities
 - USDA grant
- 2020 Greenhouse gas inventory
 - 2020 emissions increased by 4% over 2019

Economy & Jobs		
Quality Jobs & Prosperity		
The objectives of Economy Goal Area work together to promote equitably shared prosperity and access to quality jobs with focus on supporting existing businesses within the community to retain workers and drive expansion to create a self-reliant local economy. Economic development efforts should consider not only the number of businesses, but the mix of businesses that suit the community and respond to its needs.		
Category		+, -, 0
Business Retention & Development	Foster economic prosperity and stability by retaining and expanding businesses with support from the business community	
Sales Tax Generation	Create an increasingly self-reliant community through a robust local economy with benefits shared by all	
Local Economy	Create an increasingly self-reliant community through a robust local economy with benefits shared by all	
Targeted Industry Development	Increase local competitiveness by strengthening networks of businesses, suppliers, and associated institutions	
Workforce Existence/Readiness	Prepare the workforce for successful employment through increasing attainment of post-secondary education and improving outcomes of workforce development programs	
Living Wages	Expand job opportunities that support upward economic mobility and provide sufficient wages so that working people and their families can afford a decent standard of living	
Health & Safety		
Strong, Resilient & Safe		
The objectives in the Health & Safety Goal Area recognize that the development of healthy, safe, and resilient communities requires proactive efforts to prevent disease, injury, and premature death by fortifying protective factors and reducing risk factors that undermine healthy outcomes.		
Category		+, -, 0
Active Living	Enable adults and kids to maintain healthy, active lifestyles by integrating physical activity into their daily routines	
Emergency Prevention & Response	Reduce harm to humans and property by utilizing long-term preventative and collaborative approaches to avoid emergency incidents and minimize their impacts	
Food Access & Nutrition	Ensure that adults and children of all income levels have opportunities to learn about nutritious eating and have physical and economic access to fresh, healthful food and water	
Safe Communities	Prevent and reduce violent crime and increase perceptions of safety through interagency collaboration and with residents as empowered partners	

2020 Greenhouse Gas Inventory

Greenhouse Gas Emissions, by Sector



Compared to 2019
Flagstaff's total emissions
increased 4%

- Residential decreased 3%
- Commercial decreased 4%
- Transportation increased 10%
- Waste increased 11%

Engagement

- Climate Ambassadors: August session
- Climate and Coffee: Online, themed sessions
- Sustainability Leaders: 2021 course application closes 9/15!
- CNP learning website launched
- Social media campaigns:



Community Garden Volunteer Workday

Thursday, 4:30-6:30 PM
2300 N. Izabel St.



IS THIS RECYCLABLE?

surgical mask



no

While surgical masks are very effective at preventing the spread of COVID-19, they are nonrecyclable, and can become tangled in the equipment at the recycling facility. Please dispose of surgical masks in the waste bin.

follow CDC guidelines for effective mask practices



Flagstaff Sustainability Program

July 8 · 🌐

Flagstaff was selected as one of 10 cities to be awarded funds to take part in the Green School Yards Initiative over the next three years. This program is run by Cities Connecting Children to Nature, National League of Cities and the Children & Nature Network to provide accessible green space to through community partnerships. A team of local organizations including the City of Flagstaff, Terra BIRDS, @Coconinocountyextension, Flagstaff Unified School District and othe... See More



👍❤️ 41

2 Comments 4 Shares

👍 Like

💬 Comment

➦ Share



Coffee and Climate

Come talk climate action with us
Wednesday, July 21, 9:00-10:00 AM at Kickstand Kafe

flagstaff.az.gov/climate





Regional Plan Amendment

- Revise the Climate Change and Adaptation Section in the Flagstaff Regional Plan 2030:
 - Updates the narrative: climate changes, types of climate action
 - Updates goals to align with the Carbon Neutrality Plan goals
- Public review period closed on September 13th
- Next:
 - Three Planning and Zoning Commission meetings
 - Will be presented to Council in November (work session) and December (request for adoption)



Thank You to our Climate Action Summer Interns



John Bedwell,
Climate and
Business



Sam Blustein,
Greenhouse
Gas Inventory



Naomi Sanders,
Accessibility



Andrew Foss,
Building
Electrification



Jenna Decker,
Climate Equity
Communications



Crystal Routhe,
Climate and
Equity



Kylee
Musslewhite,
RentLab



Bennett Rosenow,
Transportation

Not pictured:
Elijah Pinedo,
Transportation

Thank you

WANT TO TAKE SUSTAINABLE
ACTION IN YOUR COMMUNITY?

Become a Flagstaff Sustainability Leader!

Learn how to lead change in the Flagstaff
community through an 8-week training course.

Lesson topics include:

**Climate Action
& Justice**

**Transportation
& Energy**

**Recycling &
Food Systems**

And more!

Registration deadline: September 15th, 2021

Sign-up: www.FlgSustainabilityLeaders.org

Questions? Contact kaeli.wells@flagstaffaz.gov

