



CITY OF
TUCSON



TUCSON
Resilient Together

CITY OF TUCSON

HEAT ACTION ROADMAP

September 18, 2024



MAYOR

Regina Romero

CITY OF TUCSON

CLIMATE EMERGENCY DECLARATION

#TUCSONCLIMATEACTION



Climate Emergency Declaration



Carbon neutrality
2030



TUCSON
Resilient Together

Climate Action and
Adaptation Plan



Clean and renewable energy



Electrification and fossil fuel phase-out



Carbon sequestration - massive tree planting



Transportation, mobility, and connectivity



Resource conservation and 50% waste diversion by 2030



Restore and rehabilitate ecosystems - green infrastructure



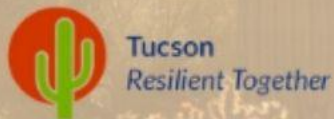
Climate adaptation and resilience



HEAT ACTION ROADMAP

An action roadmap to prepare for extreme heat

2024



Action CR-2.1 Urban heat mitigation strategy and implementation plan.



Climate Action and Adaptation Plan

Governance & Leadership



Energy



Transportation & Land Use



Community Resilience



Resource Recovery & Mangement



Acción Climática Ya!



HEAT ACTION ROADMAP

TIMELINE



Research and Drafting

Climate Action Team members reviewed best practices and drafted sections of the Heat Action Roadmap.

Oct-Dec 2023



Heat Summit Recommendations

The City of Tucson and University of Arizona shared high-level recommendations from the Southern Arizona Heat Planning Summit with the Governor's Office of Resiliency and the Arizona Department of Health Services.

Feb 3 2024

Feb 23 2024



Draft - Heat Action Roadmap

The first draft of the Heat Action Roadmap narrative, including the strategies and actions, was developed using collected input and best practices.

April 3 - May 6 2024



Internal and Expert Input

Climate Action Team, city departments, and subject matter experts provide input on the first draft strategies and actions in the Heat Action Roadmap.

May 8 2024



Additional Input Gathering and Briefing

The draft of strategies and actions for the Heat Action Roadmap was published in the Climate Action Hub; Mayor and Council Offices were briefed and input was incorporated.

May 13-26 2024

June 4 2024



Southern Arizona Heat Planning Summit

The City of Tucson, University of Arizona and Pima County Health Department hosted the Southern Arizona Heat Planning Summit.



Stakeholder Conversation

The City of Tucson hosted a virtual Climate Stakeholder Conversation, where Heat Summit results were shared with the community and further input was collected through a survey.



Heat Awareness Resolution

Mayor and Council adopted Resolution 23761, designating the second week of May as Heat Season Awareness Week, highlighting the importance of extreme urban heat management and mitigation, and previewing the Heat Action Roadmap.



Community-wide Input

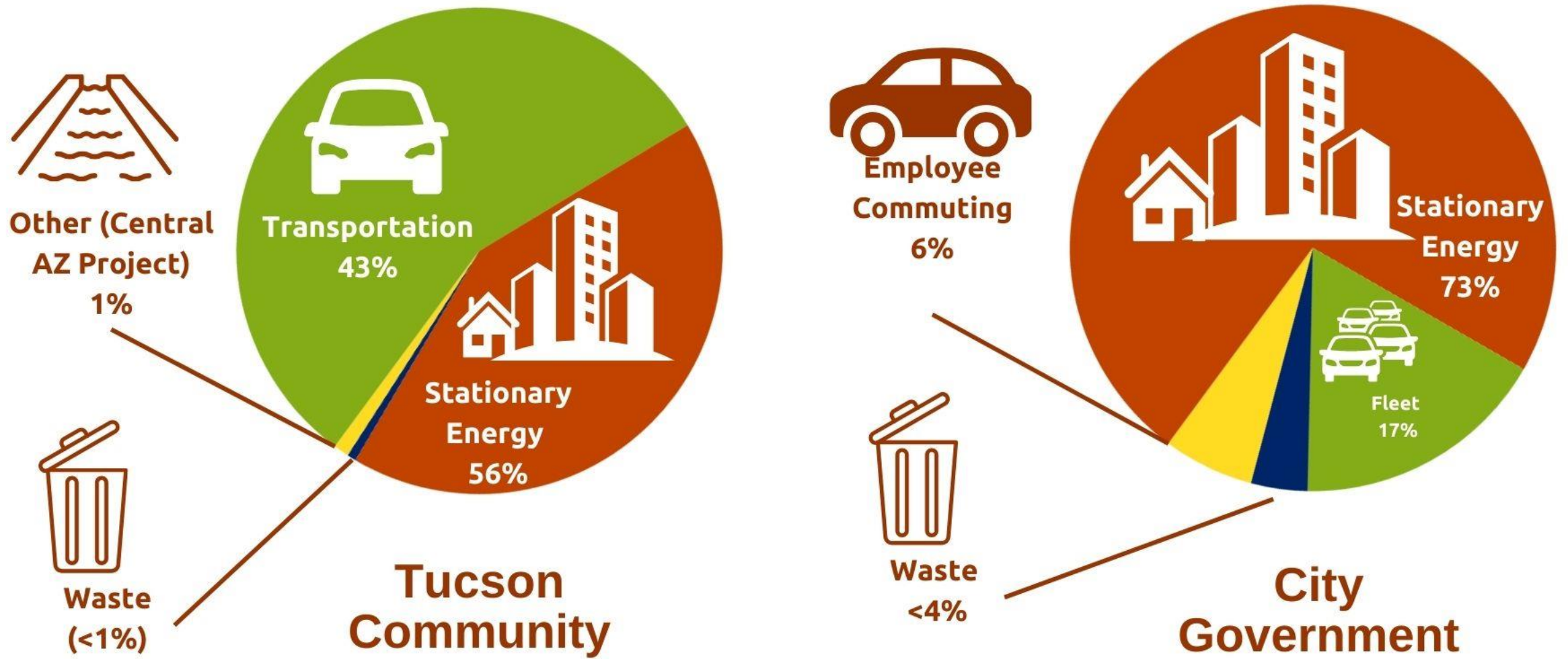
The City of Tucson, in partnership with the Commission on Climate, Energy and Sustainability (CCES), gathered community input on the second draft of strategies and actions at the Climate Action, Sustainability & Eco-Justice Summit.



Heat Action Roadmap Adopted

The final Heat Action Roadmap was approved by Mayor and Council. The Mayor and Council also adopted a Heat Protection Ordinance for City contractors. An Administrative process also began to provide protection against heat for city workers.

Greenhouse Gas Emissions by Source

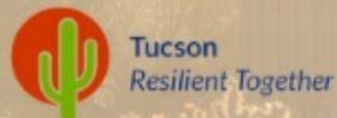


Source: PAG (2016-2021)

HEAT ACTION ROADMAP

An action roadmap to prepare for extreme heat

2024



3 GOALS * 10 STRATEGIES * 61 ACTIONS

GOAL 1: Inform, Prepare and Protect People (IP)



- IP-1 Build a comprehensive heat safety mobilization campaign to broaden community awareness and preparedness for extreme heat.
- IP-2 Develop a comprehensive worker heat safety initiative to better protect workers exposed to extreme heat.
- IP-3 Establish a heat advisory committee for community resilience dedicated to guiding local efforts with collaborative, equity-focused, and data-driven approaches.

GOAL 2: Cool People's Homes, and Community Centers (CH)



- CH-1 Improve cooling centers by establishing operational standards, optimizing accessibility, and supporting transportation.
- CH-2 Enhance support for energy efficiency and home upgrades to improve heat resilience, especially for low-income households.
- CH-3 Expand heat relief resources for people facing housing insecurity to reduce heat-related illnesses.

GOAL 3: Cool Tucson Neighborhoods (CN)



- CN-1 Integrate heat risk into urban and regional planning to create more resilient and heat-safe communities.
- CN-2 Expand tree canopy and green infrastructure on public land, including parks and transportation corridors.
- CN-3 Cool commutes by enhancing accessibility, comfort, and safety for multimodal transportation systems.
- CN-4 Enhance urban forestry and green job workforce development.



HEAT ACTION

IMPLEMENTATION
PROGRESS



GOAL 1: Inform, Prepare and Protect People (IP)



Joint Heat Action Team
(J-HAT) - PCHD

Checking on neighbors in
manufactured homes

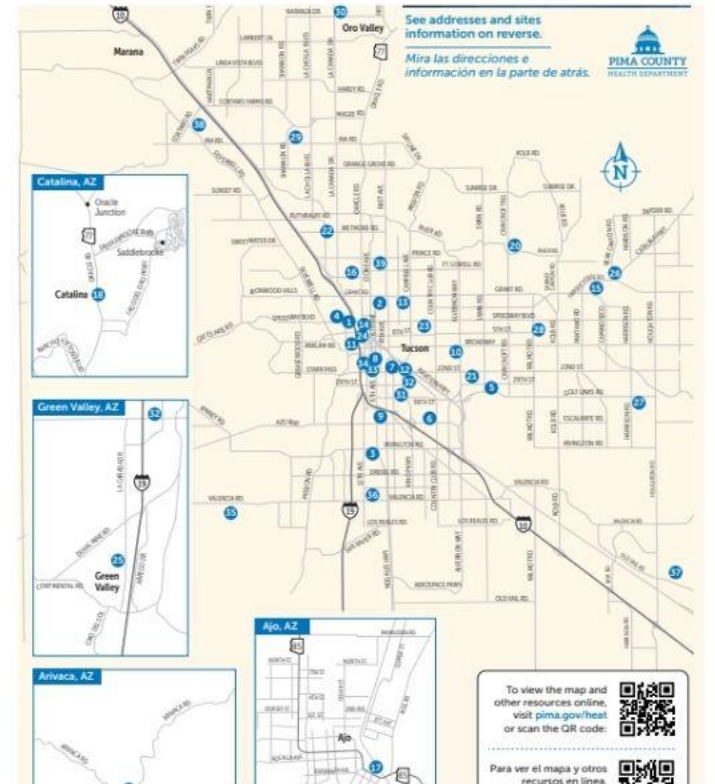
Heat Protection Ordinance
for City contractors

Heat Protection
Administrative Directive for
City employees

Heat Advisory Committee



GOAL 2: Cool People's Homes, and Community Centers (CH)



Solar Empowerment Program

42 cooling centers across the region + COOLTainers

Mobile showers

FEMA Resilience Hub planning grant

Heat relief kits

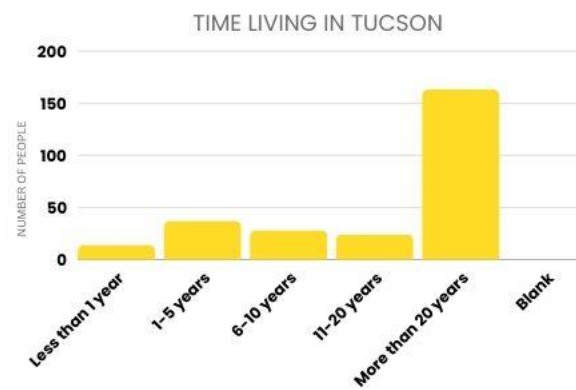
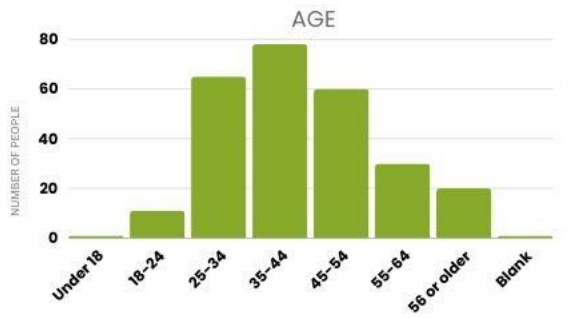
TOGETHER WE ACHIEVE REMARKABLE RESULTS!



HEAT RELIEF KITS



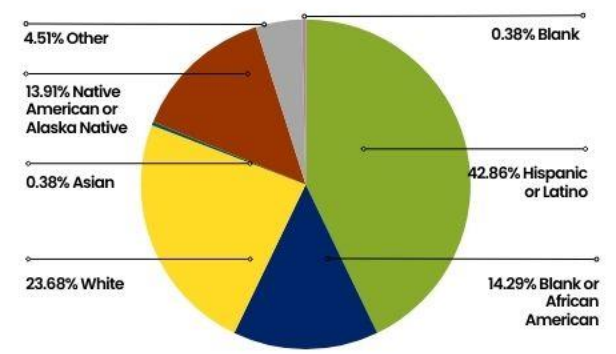
Kit Recipients



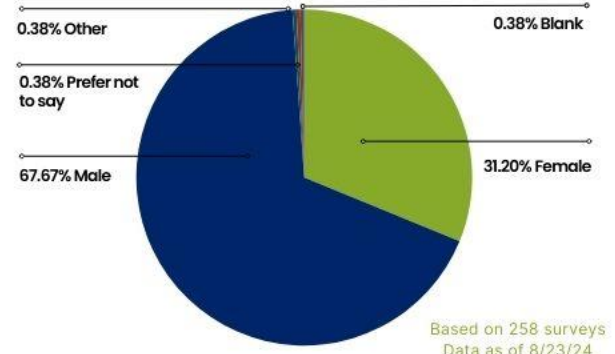
By the Numbers



ETHNIC BACKGROUND



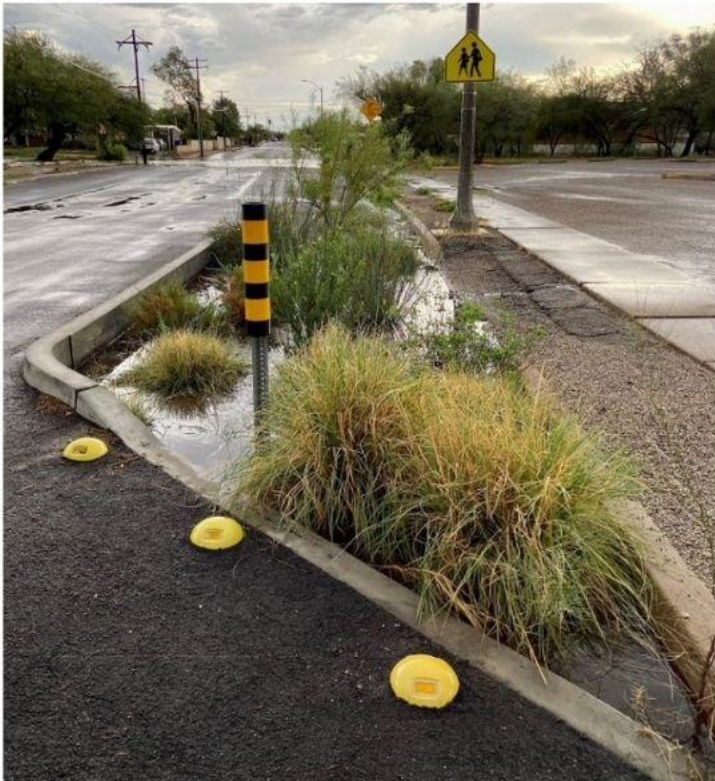
GENDER IDENTITY



Based on 258 surveys
Data as of 8/23/24



GOAL 3: Cool Tucson Neighborhoods (CN)



Tucson Million Trees and Storm to Shade

Fare free transit

Bus fleet transitioning to electric

\$11.38M for equipment upgrades and shaded bus stops

THANK YOU



Fátima Luna

Chief Resilience Officer

Office of the Manager | City of Tucson

fatima.luna@tucsonaz.gov

main 520.873.4052 Ext. 74321 | mobile 520.903.7141