PUBLIC MEETING AGENDA

Sustainability & Resilience Commission

MEETING DATE	**MEETING LOCATION**
Monday, April 15, 2024	**Join the meeting now**
4:30 pm – 6:30 pm	Meeting ID: 254 959 417 77
	Passcode: cfnN3o
	Dial-in by phone
	+1 480-498-8745,,952623272#
	Phone conference ID: 952 623 272#

AGENDA ITEM	PRESENTER	ACTION or DISCUSSION
1. **Welcome and SRC Mission**	Shawn Swisher, Chair (4:30 – 4:35 pm)	
2. **Public Appearances** The Sustainability Commission welcomes public comment for items listed on this agenda. There is a *three-minute time limit* per citizen.	Shawn Swisher, Chair (4:33 – 4:35 pm)	
3. **Review of Meeting Minutes** The Commission will be asked to review meeting minutes from the March 18, 2024 meeting.	Shawn Swisher, Chair (4:35 – 4:37 pm)	Action
4. **Accessory Dwelling Units (ADU) Code Proposal Update**	Ryan Leveque, Deputy Community Development Director Lucas Jensen, Planner Community Development (4:37 – 5:10 pm)	Discussion
5. **Resilience Hub Network & Heat Relief Update**	Carrisa Fowler, Heat Mitigation and Resilience Specialist Jessica Wright, Human Services Manager (5:10pm – 5:30pm)	Discussion
6. **S&RO Grant Activity Update**	Helene Tack, Policy and Grants Coordinator (5:30 – 5:45 pm)	Discussion
7. **LEED for Cities - Update**	Brianne Fisher, Climate Action Manager (5:45pm-6:00pm)	Discussion
8. **Sustainability and Resilience Commission Dates of Interest Calendar**	Brianne Fisher, Climate Action Manager (6:00pm-6:05pm)	Discussion
9. **Sustainability and Resilience Office Updates and Housekeeping**	Eric Iwersen, Transportation and Sustainability Director (6:05 – 6:20 pm)	Discussion
10. **Future Agenda Items -** Commission may request future agenda items.	Shawn Swisher, Chair (6:20 – 6:30pm)	Action

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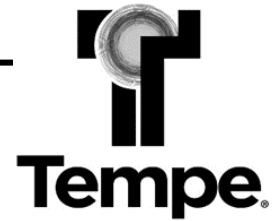
Minutes
City of Tempe Sustainability Commission **March 18, 2024**

Minutes of the Tempe Sustainability Commission meeting held on Monday, March 18, 2024, 4:30 p.m. in person at Tempe Transportation Center, Don Cassano Community Room, 200 E. 5th Street, Tempe, Arizona.

(MEMBERS) Present:

Shawn Swisher (Chair)   Taylor Conley
Kendon Jung (Vice Chair)   Ben Paulat
Barbie Burke   Joshua Randall
Morgan Winburn   Jacob Bethem
Erin Boyd
Jake Swanson

(MEMBERS) Absent:

City Staff Present:
Eric Iwersen
Brianne Fisher
Ambika Adhikari
Jacob Payne
Maddie Mercer
Carissa Fowler
Evelyn Brumfield
Tom Duensing

Guests Present:
None

Agenda Item 1 – Welcome and SRC Mission
Chair Swisher called the meeting to order at 4:30 p.m. and read the commissions' charge and mission.

Agenda Item 2 – Public Appearances
No public comments were shared.

Agenda Item 3 – Review of Meeting Minutes
The minutes of the February 26, 2024, meeting were accepted.
Motion: Commissioner Barbie Burke
Second: Commissioner Jake Swanson

Voted to Approve: 9-0

Agenda Item 4 – General Plan 2050 – Approved by Voters
Brianne Fisher, Transportation and Sustainability Department, gave an overview of the General Plans 2050, recently approved by Tempe voters. The Sustainability Commission drafted a letter of support identifying some crucial aspects that demonstrate a significant step forward in shaping more a sustainable and inclusive future for the city. A stronger language in the sustainability policies, mix-use density and increase mixed-use land, was incorporated into the latest draft.
Brianne put together a slide compiling how the general plan works for the city, what its whole in decision making, zoning and land use, and how the commission going forward could point out some developments to the general plan. She highlighted some of the main sustainability-related elements within the plan chapters and assembled some guiding questions for the commission to use as a tool in future presentations /conversations.
- o How is this development, plan or project meeting the goals of the General Plan 2050?
- o Is this aligned with the General Plan 2050?

Comments:
- Chair Swisher requested future agenda items related to the general plan, to refer to the slide created by Brianne, and address these comments in the presentation. He also asked the commission to have the same mindset moving forward, by referring to the general plan, and where they see folks not be in alignment with it, use the general plan as a push back tool.

Agenda Item 5 – Character Area 6 Planning
Ambika Adhikari, Community Development Principal Planner, and Jacob Payne, Community Development Sr Planner, gave an overview of the Character Area 6 Southwest. A Character Area Plan is a way of conveying the vision and goals of an area to create positive change. He explained the concept and use of Character Area, which is a policy level plan, a guiding plan, but not a legal document. It can't change land use or density, zoning, private property rights, residential and commercial code compliance, and public safety. The most important aspect of the plan is the design guidelines. Tempe is divided into eight Character Areas, and six areas have been completed and adopted. They are in the development process plans for Character Area Six, and

in 2025 they will start the planning for Character Area Two, which will be the final one. He shared a map with the character areas boundaries.

Character Area Six has 6.21 miles, with a population of 28,450, median age 33.6, median household income $72,769, house units 12,630 with 30% owner, and 70% renters. The largest employers are Kyrene District and Honeywell, and key industries are manufacturing and Information Technology. The planning process for Character Area 6 is underway with phase one, Engagement Processes, recently started. The kickoff meeting was on January 24, and an online survey, launched from January 24 through February 16, was set out to community members who live or work in that area. Jacob explained the Survey Highlights. The top five most important areas this community would like emphasis are Heat mitigation, Enhanced streetscape, Canalside trails, Affordable houses, and Sustainability Measures. Open Space was the top one of land use category. They also had focus group meetings with non-profit, religious groups, business, and senior community, and presentations to boards and commission. The first planning draft will be presented around May or June. In late 2024, after additional input opportunities and revisions, a final planning proposal will be presented to the Development Review Commission and, subsequently, to the Tempe City Council for potential adoption.

Questions:
- Chair Swisher brough up the highlights presented from the survey, which demonstrated how this area is interested in the impacts of heat and shade. Also, have gone to this area quite a bit for the different commercial zones, it seems like it's a desolate place for pedestrians. Could we use our studies on heat folder ability, and point out where we should be potentially targeting some of those?
- How is the Forestry Masterplan might be integrated into this?
- How are you identifying Open space opportunities since it ties into to shade and access to greenspace cooler areas?
    - Jacob explained that the general plan designated open space, therefore they are limited in that capacity. It can't be private property; it can only be government own property. This area might have two potential open spaces, both freeway detention basins. One is located on I-10, and the second one south of US-60, between Kyren and Harder. Ambika said because of the nature of this particular area, heat mitigation is very important to them. They will identify some locations, consult the heat map prepared by ASU and City of Tempe, to create some opportunities and draft policies that will be included in the plan. He also emphasized the importance of the quality, not just the quantity, of open space. He pointed out that Parks and Recreation Department has been working diligently on improving the current amenities and qualities open spaces, by adding more trees, providing more landscape, improving the linear parks and more. He mentioned the international green construction code adopted by the city in November will bring creative more opportunities in a nearby the future.

- Chair Swisher asked if there were any outcomes from the Transportation Commission presentation about meeting our targets for greenhouse gas reduction. Are there any plans for improving transportation infrastructure that might incentivize fewer cars on the road, or greater density, and transportation options?
  - Ambika said one of the feedback items from the focus group meetings, especially with the seniors, was the expansion of the circulators, particularly the Orbit Route. He said there were a lot of comments about the bike paths, and walkability along the canal sides, and opportunities to clean up walking trails.

- Commissioner Boyd asked since this area is the home of a few large companies, what role they have played, and what feedback did they give? And if renters are looking for more greenspace, open space, and they make 70% of the house units, how are the existing multifamily complexes being engaged in this process, since the international green construction code was just approved and will affect new developers only?
  - Jacob explained they had a business focus group and reached out to some of the largest businesses to be involved, which they were very receptive to it. They will continue with this outreach and will also reach out to management companies of apartment communities.

- Commissioner Swanson asked how the sustainability measures were defined in the survey?
  - Joshua explained the survey had 17 principles and six were sustainability related. Ambika said since sustainability is a very vague and broad term, they had gone into a lot more details in defining what they really mean. At the in-person meetings and presentations, they had the opportunity to educate and explain each of them and add self-explanatory sentences to the posters as well.

Agenda Item 6 – Growing Together – IRA Grant Funding Program

Maddie Mercer, Transportation & Sustainability Department, and Richard Adkins, Community Services Department, gave an overview of the Growing Together Program focusing on the Tree Stewardship & Workforce Development Program. The main goal is to expand Tempe's urban forest and canopy to mitigate extreme heat. The two areas they will be focusing on are the Northeast Tempe, and Southwest Tempe/Town of Guadalupe, which is one of our partners. A grant of $1.6 million is allocated to build up programs over the next three years to build up some programs. The growing Together Goals are:
  - Expand the urban forest and increase the tree canopy.
  - Promote equitable urban cooling and resilience.
  - Create workforce opportunities throughout the neighborhood.
  - Focus on some green water opportunities.
  - Work with the city to bring together some initiative and demonstrate how we are inter-connectivity of the departments.

The program will have three different components.

The first one will focus on Community Tree Stewards, a community store tree program. It is a cohort-based, on-the-job training program with 6 cohorts and 10 residents, totaling 60 participants per year. The participants will be paid $20/hour with a total of 12 hours a month. They will be learning how to grow plants and care for trees in classrooms, nurseries, communities and afterward will share this knowledge with their neighbors.

Secondly, School Greening and Grounds Maintenance will focus on expanding the school districts' capacity to plant and maintain trees on the school campus. Since maintenance personal within the school district is very limited, there will be three positions funded by the program to work directly with the district maintenance staff. It will include training, cross training, scholarship, and professional development opportunities.

Finally, the Food Forest Pilot Program will develop two community food forests, one at a public school, McClintock High School, and at city-owned property, Envision Center. The program will grow an amount of food, in an urban environment, creating professional opportunities and hands on experience to help serve their needs.

The project will kick off in April, by August they will start recruiting, and in September/October they will have the first of six cohort trainings. The training will probably last a month to a month and a half. Cohort training will be happening in the fall and early spring.

Questions:
- Chair Swisher asked if SRP and APS have been engaged or showing any interest in this program? How are they going to track down the Community Tree Stewart component?
  - o Richard reached out to SRP, and since they have their own community tree program, they have not talked about putting those two together yet. He foresees, over the next two years, SRP coming to different communities with us and maybe share the program. APS has a very small section on the west side of Tempe. They currently have a community program where they will put grants out up to $10,000. They met last week and are working on some ideas. They also met recently with the city GIS group and are in a process to select and finalize all the needed data that will be plugged on to the map and will encourage individual homeowners to enter their information.

- Commissioner Swanson asked if there is any sort of engagement with HOAs?
  - o Richard said there is not a lot of HOA designated land in this area, but within the community outreach and steward program, they will address any HOAs, neighborhood communities and multifamily complexes.

- Vice Chair Jung said this is an incredible program. Ten years ago, when he first started getting into sustainability, they had community partnership, living wages, food access, education integration, but not all of them together. And it is beautiful to see you are thinking holistically. He asked if there any plans for the food forest, whatever isn't harvested by community members, can it be harvested by someone else? Is it pay or volunteer work?

- o Maddie explained they allocated funding for a third-party group to maintain and harvest the food for a period, but they also want to encourage the entire community, build relationships, and after the grant period, they can still have a strong connection to the study. They are still evaluating ideas, want to work with the neighborhoods, before designating a place to donate the harvest.

- Chair Swisher inquired when having these parallel programs and plans in mind, how could they make sure those are working into the Resilient Tempe Masterplan? And when should they expect to hear about the progress of the program?
  - o Brianne, Transportation & Sustainability Department, mentioned that Richard has been part of the resilient masterplan process since there is an urban forestry update in the masterplan effort. Tomorrow, there will be a group meeting to look at the codes and standards. After they have narrowed down the codes and standard prioritization list, they can come back to give the Commission an update.

- Commissioner Paulat asked for how long is the funding secure, and after the three years, how would they integrate this group into anything else beyond the program?
  - o Maddie explained they are putting a few proposals together to provide options to different pathways versus scholarship, by offering additional training. Once people go through this program, they would have a base level knowledge, where they can pursue a smart skype certification, become a master gardener, or a certified arbor among other options. Secondly, they are looking into creating pathways to city jobs by training them in skills they would need to qualify for it. Lastly, they are also considering a partnership with ASU to focus on entrepreneurship, and building a new enterprise focused on infrastructure maintenance where this group would have knowledge.

Agenda Item 7 – Sustainability and Resilience Office Budget
Brianne Fisher, Transportation and Sustainability, added a few budget weeks in the Commission calendar to give them opportunities to be involved. She provided an update and overview of this year's budget. Since a legislative bill was approved last year, cities are no longer allowed to collect rental taxes. Tempe is impacted the most of any other city in Arizona since we it is a residential rental city. This will reduce the city of Tempe revenue by $21 million. The main impact will be on the general fund, which finances our programs, and the Transit fund.

Questions:
- Chair Swisher asked what would happen with the transit fund if prop 479 doesn't pass the ballots in November?
  - o Tom said the budget office and transit staff would get together, look into several years to adjust our spending, since we are sitting on a pretty sizable fund balance. There are also a few other options down the road where Council could also recommend a transit tax increase in order to absorb the cost.

- Chair Swisher asked if we could measure the impact of the climate action plan without any new supplementals?
  - o Brianne said since this is coming at a time where there is a historic investment at the federal level, and you seeing our division going after funding aggressively, we were able to secure some access to a few federal grants. We have also grown our capacity, we are partnering with staff from other departments, and now paired up with the transportation division and becoming a larger department. At this time, the loss of the supplemental is not a major concern for meeting our climate action goals.

- Chair Swisher raised a question to Eric and the team, how the Budget Office will look to measure the impact of not spending on certain investments having to do with Community Resiliency through heat mitigation?
  - o Eric Iwersen, Transportation and Sustainability Director, mentioned if Prop 479 passes, higher performing public transit routes will receive more money, and our community meets this criterion. There is also a transportation study looking into the transit tax, which they will talk about in the next meeting, and the Commission will have a chance to weigh in on it.

- Commissioner Burke mentioned the Governor announced the creation of the country's first state level heat officer, and asked how will this impact our goal and keep heat mitigation, and would we have opportunities coming from this?
  - o Brianne said there are a lot of good things in there that's been relying on municipal staff perspective and expertise. They have added capacity, especially looking for federal grants.

Agenda Item 8 – Sustainability and Resilience Commission Dates of Interest Calendar
Eric brought up the Commission calendar of events and highlighted a couple events that will be happening before next month's meeting. They talked about today's presentation from Maddie and Richard at the next Sustainability and Economic Vitality Council Committee.
Conversation about upcoming presentations.

Agenda Item 9 – Sustainability and Resilience Updates and Housekeeping
Eric Iwersen gave an update about the city reorganization, and as of two weeks ago, Sustainability Office officially partnered with the Transportation Division becoming now a division under Transportation and Sustainability Department. This is the evidence of our growing program and the impact they are having throughout the community. It is an alignment of the community and Council priorities, giving us opportunities for partner projects like streetscapes, pathways and more.

Agenda Item 10 – Future Agenda Item
Chair Burke requested:
Follow-up on the golf courses updates

IGCC process
Apache Central Updates

Commissioner Burke motions to adjourn the meeting at 6:30 p.m.

Motion: Commissioner Barbie Burke
Second: Commissioner Winburn
Decision: Approved 9-0

The meeting was adjourned at 6:30pm.

Prepared by: Carla Sidi
Reviewed by:

Presentation Overview

- What is an Accessory Dwelling Unit (ADU)?

- Current City of Tempe Regulations

- Summary results from first round of outreach and research

- Highlight Preliminary draft ADU Code

- Next steps & timeline

- Questions for residents & public input

Source: Morgan Taylor Homes

What is an Accessory Dwelling Unit (ADU)?

An Accessory Dwelling Unit (ADU) is an independent, rentable dwelling unit located on the same lot with a standalone single-family home.

DETACHED ADU

ATTACHED ADU

ATTACHED (ABOVE GARAGE) ADU

INTERIOR (BASEMENT) ADU

INTERIOR (CONVERTED GARAGE) ADU

INTERIOR (UPPER FLOOR) ADU
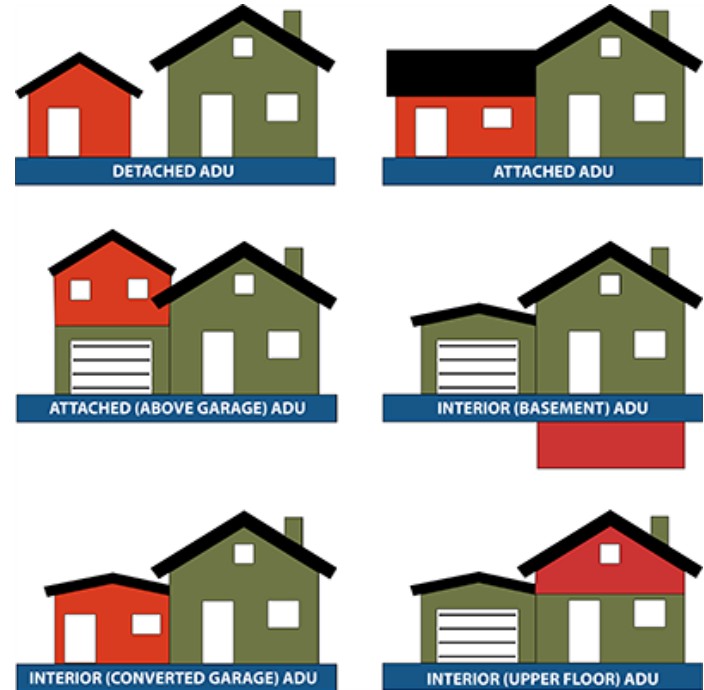
Source: American Planning Association

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- The City is considering updates to the ADU section of the Zoning and Development Code to expand ADU's applicability to single-family residential zoned properties (AG, R1-15, R1-10, R1-8, R1-7, R1-6, R1-5, R1-4 and R1-PAD). This is the largest land use category in Tempe with approx. 39% of the total.

- Staff has conducted research related to ADUs and is gathering further stakeholder input for a potential Code Text Amendment.

- ADUs are expected to expand affordable housing options, provide extra income opportunities for homeowners and facilitate multi-generational living

State Legislature Efforts to Allow ADUs

- HB2720 – Awaiting AZ State Senate Vote

- This Bill would:

  - Require Municipalities with population 75,000+ to adopt ADU regulations where a single-family dwelling is allowed.

  - Allow at least one (1) ADU on all single-family properties, and

  - Allow at least one additional ADU as a restricted-affordable unit;

  - Permit lesser of 1,000 sf or 75% of the main dwelling area;
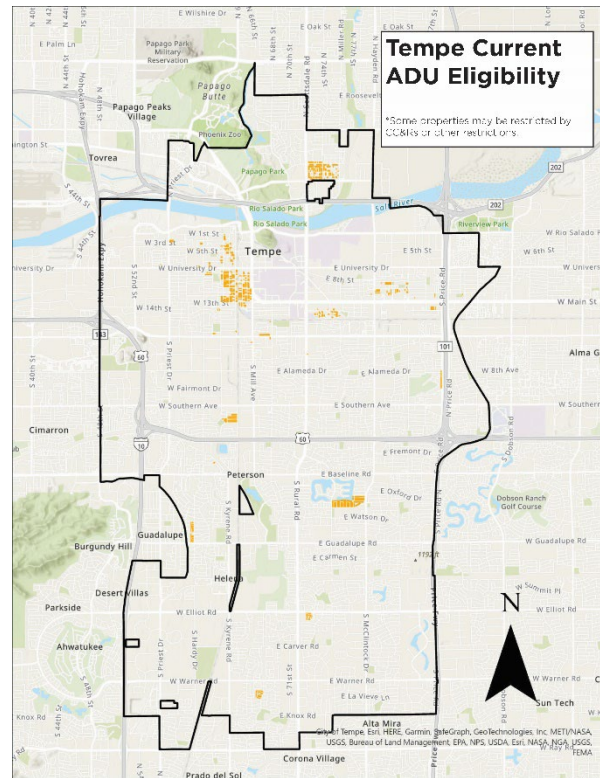
  - No additional parking allowed.

Current City of Tempe ADU Regulations

Adopted April 2019 (Ordinance No. O2019.08)

The property must:

- Be zoned for multi-family residential
- Have an existing single-family use

Lots shown in orange allow ADUs

Current City of Tempe Regulations

Development Standards:

- Maximum 800 square feet livable area

- One (1) ADU allowed per lot

- No additional vehicle parking required

- No more than two (2) bedrooms
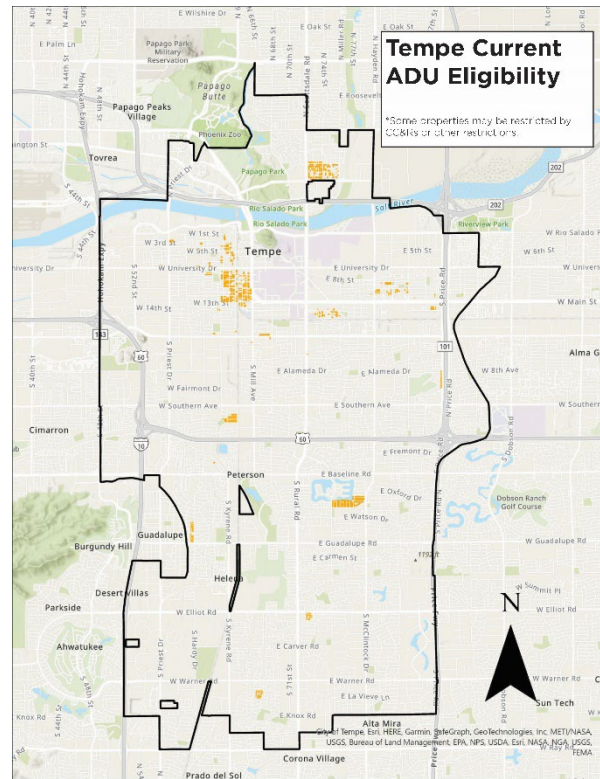
Lots shown in orange currently allow ADUs

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Public Input: October 2023 – Feb 2024:

What we heard

Public Input: First Round

- 10/16/2023 – Public Meeting at Tempe Public Library
  - 57 Attendees
- 10/17/2023 – Public Meeting via Zoom
  - 43 Attendees
- 10/16/2023 – 10/31/2023 - Public Survey
  - 201 Responses
- 11/01/2023 – Neighborhood Advisory Commission
  - Advised to proceed with research and outreach
- 11/20/2023 – City Council Work Study Session
  - Directed to proceed with additional research and public outreach
- 01/13/2024 – Breakfast with Berdetta
  - Presentation and discussion, 123 Attendees

Public Input Common Themes

- ADUs can help improve housing supply

- ADUs provide opportunities for income streams for owners

- Possible investor-led boom in ADU resulting in concerns for traffic congestion and disruption in neighborhood character

- The cost of construction for an ADU should be minimized

- Short term rental of ADUs could be a problem

Photo source: designandremodelingteam.com

Visit tempe.gov/adu for FAQ and the complete Public Input Summary.

Common Themes from Public Input

- More than 67% of respondents think ADUs will improve housing affordability

- More than 72% say the City should consider allowing ADUs in single-family zoned properties

- More than 80% feel that ADUs should be allowed both in large and traditional lots. Some wanted no lot size restriction.

- 24% of respondents do not want the city to consider expanding where ADUs are allowed.

Photo source: botanistofthevalley.com

Visit tempe.gov/adu for FAQ and the complete Public Input Summary.

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Common Themes from Public Input

- 65% said ADUs should allow between 800-1,000 sft of livable space

- 55% wanted no parking requirements, while 20% wanted one additional parking space for ADU

- More than 55% wanted to restrict short-term rental in ADUs

Photo source: bwslaw.com

Visit tempe.gov/adu for FAQ and the complete Public Input Summary.

Ongoing Staff Research

City Interviews

Phoenix, AZ

- Neighboring city
- ADU Code adopted Sept. 2023

Tucson, AZ

Raleigh, NC

- Small to medium sized cities
- Recent ADU Code adopted
- Home to a major university

**Provo, UT**

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City Interviews: Phoenix, Arizona

- Allowed in single-family zoning districts with an existing residence

- Max. ADU size = 75% area of the main residence AND
  Lots less than 10,000 sft. = 1,000 sft. ADU
  Lots more than 10,000 sft. = 3,000 sft. ADU

- No restrictions on short-term rentals

- No owner occupancy requirements

- No additional parking required

- Majority of the public supported the ADU code amendments

Accessory Dwelling Units (ADUs)

What is an Accessory Dwelling Unit (ADU)?

ADUs, often referred to as guest houses, casitas, or granny flats are separate, self-continued living areas that are either fully detached structures or attached to an existing home, with its own external entrance.

An ADU usually contains all of the amenities to operate as a fully independent, operational dwelling, including a kitchen, bathroom, living area and sleeping quarters.

Source: City of Phoenix

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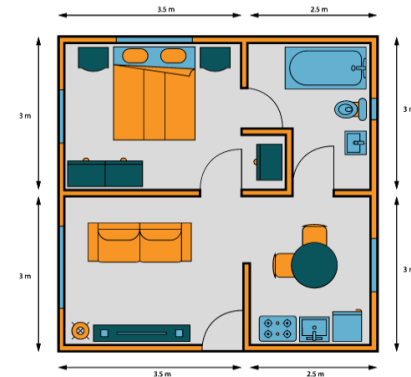
- Allowed on all one and two-unit residential lots

- Max. ADU size = 10% of the lot size (max. 1,000 sft). All lots are allowed an ADU of at least 650 square feet

- Max. height = 12' when primary unit is single story, or same height as the existing two-story building on site for two story ADU

- No restrictions on short-term rentals

- No owner occupancy requirements

- One parking space required for ADU, but offer many waivers

- Majority of the public supported the ADU code amendments

City Interviews: Raleigh, North Carolina

- Allowed in residential & mixed-use districts

- No minimum lot size for ADUs. Limited by stormwater retention and development standards

- No restrictions on short-term rentals

- No owner occupancy requirements

- No additional parking required
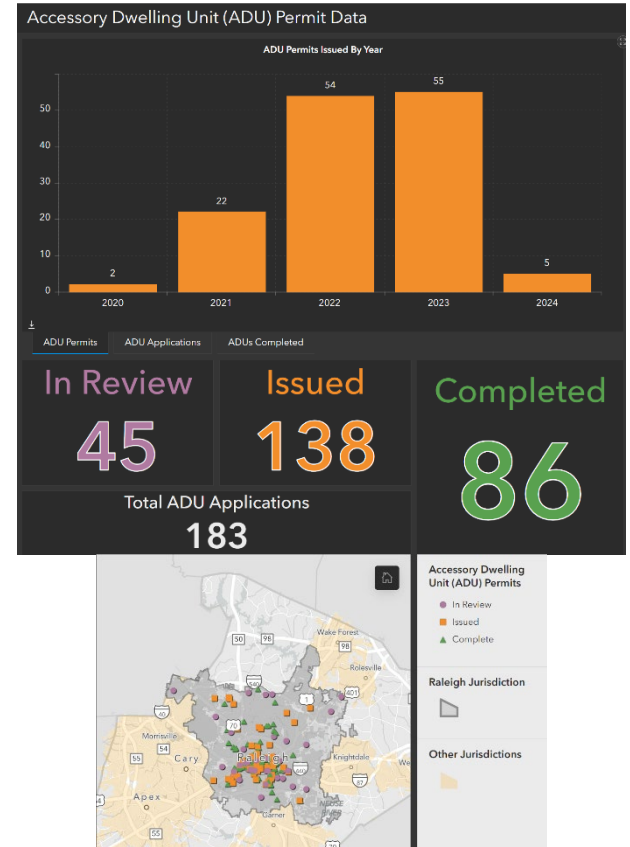
City Interviews: Provo, Utah

- Utah HB-82 required at least 33% of residentially zoned acreage to allow ADUs

- Allowed in single-family residential district

- ADU square footage and height not to exceed main dwelling

- Four total parking spots required for a lot with an ADU

- Required owner occupancy of the primary unit or ADU

- Maximum ADU occupancy – three unrelated adults

- No shipping containers allowed for ADU construction

- Strict requirements make permitting difficult. Possibly several illegal ADUs existing
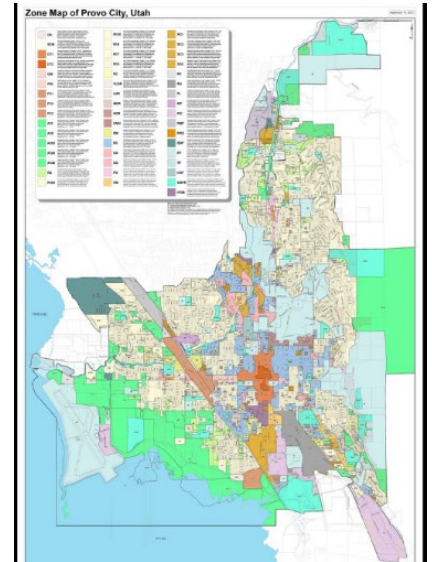
Research on Pre-Approved ADU Plans

- Architectural plans for ADUs that have already been reviewed and approved by a local government's Building department. Design/architecture firms submit plans for consideration.

- Pre-approved ADU plans on their website for purchase from a private design firm

  - Plan cost ranges from $500 to $1,200

- Pre-approval is for Building Code only and will still require a site plan that meets other requirements (zoning, setbacks, etc.)

HOUSE SALTAMONTES
FLOOR PLAN - 645.84 ft2

ISOMETRIC

FLOOR PLAN
SCALE ¼"
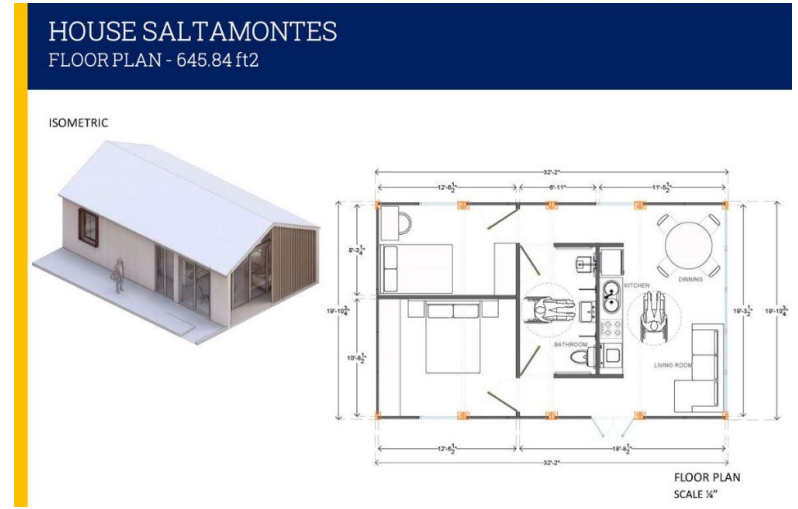
Source: Tucson.com

Visit tempe.gov/adu to view the Council Memo on Pre-Approved ADU Plans.

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ADU Permitting Numbers

Tucson, AZ

- 61 applications from Jan - Dec 2022

Raleigh, NC

- 183 applications and 86 ADUs completed since late 2020

Boulder, CO

- 200 applications and 96 completed ADUs from Feb 2019 to July 2022

Berkeley, CA

- 112 ADUs permitted and 72 completed in 2022

Preliminary Draft ADU Code

Preliminary Draft ADU Code Updates at a Glance

Current Code		Proposed
Property must be multi-family residential zoning	→	Property can be single-family or multi-family residential zoning
No restrictions for short term rentals	→	The City can allow or restrict ADUs as short-term rentals
No additional parking required	→	Parking requirements based on # of bedrooms on lot
Maximum square footage is 800 sq. ft.	→	Maximum square footage to 1,000 sq. ft.
Cannot have both ADU and Guest Quarters on one lot	→	No changes
No owner or occupancy requirements	→	Property must be owned by the same owner for the preceding three (3) years
Guest Quarters on all single-family residential lots 8,000 sq. ft. or larger	→	Guest Quarters allowed in AG – Agricultural zoning districts

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Preliminary Draft ADU Code

Guest Quarters:

- Eliminate Guest Quarters regulations from R1- zoning (single-family residential), only allowed in ADU regulations

- Opportunity to convert existing Guest Quarters into ADUs, with compliance of standards

- The current proposal would allow Guest Quarters regulations only on AG (Agricultural) zoned properties (typically 1 acre lots or larger)

No proposed changes to:

- Maximum height

- Setbacks – front, sides, rear…

- Lot coverage requirements

On-site parking:

- If the ADU + primary residence have:

    - 5 or less bedrooms = 2 req. spaces

    - 6 or more bedrooms = 3 req. spaces

- Owners can seek to remove the additional required space though the Use Permit process through a public hearing

Preliminary Draft ADU Code

Short-Term Rentals:

- Proposal to restrict ADUs from being used as a short-term rental (renting for less than 30 days).

- However, the property owner may still list the primary residence or entire property for short-term rental

Potential ADU Eligible Lots w/ Single-Family

Total parcel counts, excluding properties in Homeowners' Associations:

- **Tempe North of US 60 – 12,909**
- **Tempe South of US 60 – 10,902**
- **Total (All Tempe) – 23,811**

Tempe Potential ADU Eligibility

*Excludes properties located in Homeowners' Associations
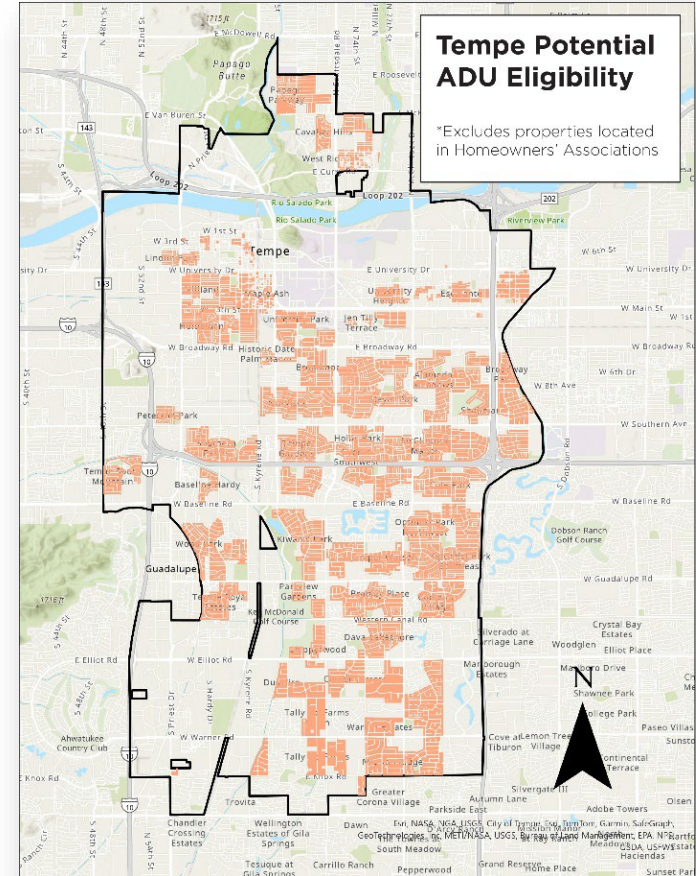
Next Steps

More Info and survey: tempe.gov/ADU
Opens March 27 – Closes May 1

Aug. – Nov. 2023: Research and Preliminary Public Input (Completed)

August-October	_Initial topic research and project preparation_
October 16-30	_Public comment and survey_
October 16	_Public Meeting at Tempe Library_
October 17	_Virtual Public Meeting_
Nov. 20	_City Council Work Study Session requesting guidance_

Dec 2023 – Feb 2024: Expanded Research (Completed)

- _Expanded research and interviews with additional cities and stakeholders_
- _Creation of educational materials, presentations and project resources_
- _Present and share info at the Jan. 13 Breakfast with Berdetta_

Continued…

March through April 2024: Public Input, Meetings and Outreach *(Upcoming)*

4 Public Meetings
- ***March 27, 2024 - Public Meeting – Tempe Public Library***
- March 27, 2024 - Virtual Public Meeting – Via Zoom
- April 2, 2024 - North Tempe Public Meeting – North Tempe Multi-Generational Center
- April 8, 2024 - South Tempe Public Meeting – Arizona 811
- Plus! Online Survey with feedback on Draft ADU Concepts (March 27 – May 1, 2024)

In-person outreach, locations TBD
Neighborhood meetings and presentations, locations TBD

Presentations and feedback at:
- Neighborhood Advisory Committee
- Development Review Committee Study Session
- Historic Preservation Committee
- Mayors Youth Advisory Council
- Sustainability and Resilience Commission
- Transportation Commission

Continued…

May 2024 - Use compiled feedback to draft final ADU update language
- Boards and Commissions and additional stakeholders

June 2024 - Release final proposed language and Collect Public Input
- Target June 20, 2024, City Council Study Session meeting for report follow-up

September 2024 - Hearings and adoption
- Development Review Commission on July 23rd or Aug. 13th
- Neighborhood Advisory Council Aug. 7th (If requested to receive a formal recommendation)
- City Council ***TBD (Intro & 1st hearing) August/September
- City Council ***TBD (2nd & Final hearing) August/September

Primary Staff Contacts

<u>PLANNING</u>

- Ryan Levesque – Ryan_Levesque@tempe.gov (480) 858-2393
- Ambika Adhikari – Ambika_Adhikari@tempe.gov
- Michelle Dahlke – Michelle_Dahlke@tempe.gov
- Lucas Jensen – Lucas_Jensen@tempe.gov

<u>NEIGHBORHOOD SERVICES</u>

- Shauna Warner – Shauna_Warner@tempe.gov
- Brenda Clark – Brenda_Clark@tempe.gov

Questions and Public Input

Why is Tempe considering updates to ADU regulations?
- ADUs are supported by numerous adopted city plans to increase affordable housing stock, support multi-generational housing, and provide extra income for homeowners.
- Aligns with state and nationwide interest in updating local ADU codes.

Are ADUs affordable for renters?
- Per Wegmann and Chapple (2012), ADUs typically rent for less than other housing types in the same area
- AARP notes that ADUs are an affordable housing option in most locations

Are ADUs affordable for homeowners to build?

- Urban Land Institute (ULI) found that building an ADU cost $156,000 in Arizona on average.
- The cost of an ADU in Tempe is between $180,000 - $260,000 according to builders.

How are enforcement matters addressed with an ADU?

- The City of Tempe has enforcement tools in place to help address a myriad of complaints. Noise or loud parties are addressed with the Police Department; any excessive trash or overgrown weeds, or in the alley, are enforced by the Neighborhood Enhancement Division. More information on ADU FAQ webpage...

Will the property owner be required to live in either the ADU or main residence?

- The current draft does not propose any occupancy requirements to construct an ADU
- Most US cities researched do not require the owner to occupy the site.
- Maintain a property owner's right to allow entire property to be rented, avoid enforcement and costs associated with occupancy monitoring.

How do ADU parking regulations impact congestion?

- ADUs in an area should have minimal traffic impacts
- Occupants (e.g., students, retirees, and seniors) often walk, bike, or use scooter or public transit.
- Most US cities do not require additional parking for ADUs

Will construction of ADUs put a strain on existing infrastructure?

- City of Tempe Municipal Utilities staff have confirmed that water and sewer infrastructure can accommodate ADUs. In some cases, water lines may need to be upsized, but this cost is the responsibility of the property owner.

City of Tempe Heat Relief

Jessica Wright
Human Services Manager –
Homeless Solutions

Heat Relief (May 1 – September 30)

2023 Heat Related Deaths

645 heat related deaths occurred in Maricopa County during 2023.

MARICOPA COUNTY PUBLIC HEALTH

Year	Deaths
2013	76
2014	61
2015	84
2016	154
2017	179
2018	182
2019	199
2020	323
2021	339
2022	425
2023	645

+52%

* 1 death that occurred in September of 2023 is pending a cause of death

HEAT RELIEF NETWORK

MARICOPA ASSOCIATION of GOVERNMENTS

https://hrn.azmag.gov/
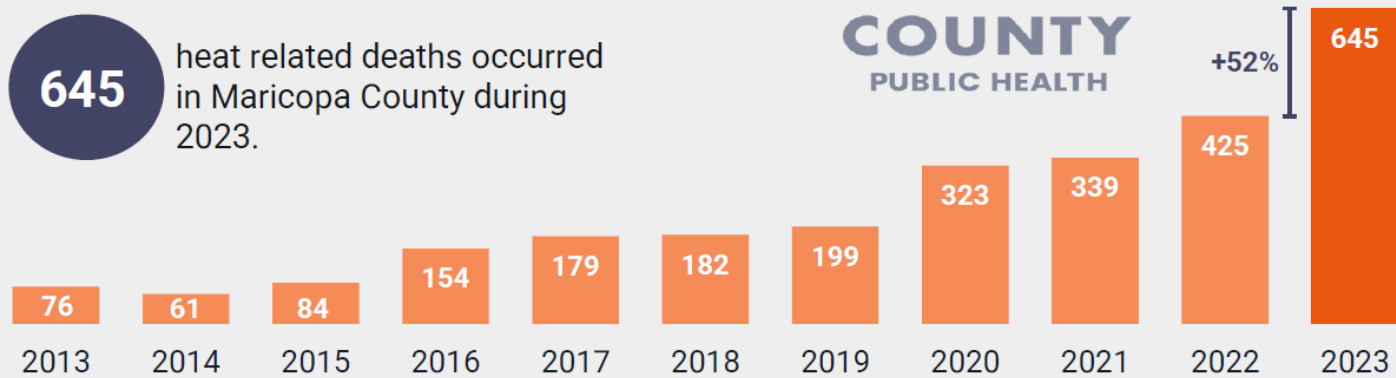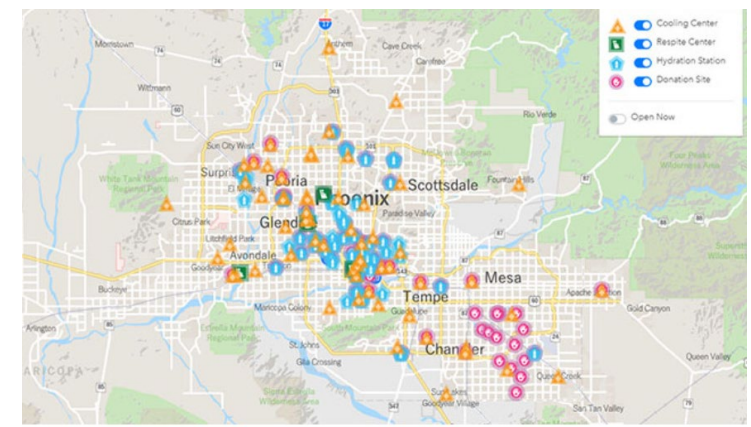
Interactive Heat Relief Map

City of Tempe Heat Relief

6 City Cooling Centers

- Cahill Senior Center
- Escalante Community Center
- Kiwanis Recreation Center
- North Tempe Multi-Generational Center
- Pyle Adult Recreation Center
- Westside Multi-Generational Center

Jenny's Trailer providing mobile heat relief with HOPE Team

MCDPH & Tempe Heat Relief

- Maricopa County Department of Public Health (MCDPH) 3-year funding
  - **$388,655/year = $1,165,965 through December 2026**

- 3 Cooling Centers, 30-35 person capacity
  - University Presbyterian Church, Church of Epiphany, Tempe Church of Christ, Community Christian Church

- Arizona Faith Network (AFN) will provide daily operations
  - 7 days a week, 9 a.m. to 7 p.m.
  - 8 AFN Cooling Center staff
  - HOPE and CARE 7 will be available for dispatch

Related Tempe Performance Measures

- **3.34 Community Health and Well-Being**

Achieve health and wellbeing of the community indicated by the Cantril Self-Anchoring Striving Scale with increases in the category of thriving and decreases in the categories of struggling and suffering as measured by the Community Survey.

- **4.18 – Community Carbon Neutrality**

Achieve community carbon neutrality by 2050 with equitable outcomes

- **4.19 – Municipal Carbon Neutrality**

Achieve the City Council goal of carbon neutrality in municipal operations by 2050 with a strategy of 100% renewable energy by 2035

Partners

- **Fire Medical Rescue**
- **Community Health and Human Services**
- **IT – GIS Team**
- **Community Services**

18% of heat-related incidents occurred at a **private residence** among patients not identified as homeless.

Since 2017, there has been a **36% increase** in the number of heat-related incidents.

41% of heat-related incidents include individuals 50 years or older.

Tempe Climate Action Plan Update

Highlight Actions Update

The Sustainability and Resilience Commission identified immediate highlight actions in the first plan that still need policy adoption and investment:

Green Codes and Standards (Green Stormwater Infrastructure and International Green Construction Code adoption):
To establish resilience to extreme heat in new construction 16

Transportation Demand Management and Mobility Hubs:
To increase convenience of low carbon
transportations options 19

Resilient Energy Hubs and Resilience Hubs:
To increase community connections and the ability
to support survival during disasters 21

Adopted in March 2022

Arizona State Support

Resilience Hubs in:

- **Governor Hobbs Arizona's Extreme Heat Preparedness Plan (2024)**

Extreme Heat as a Critical Hazard

Heat Related Deaths Over Time

Deaths by Year

Maricopa County identified a total of 645 heat related deaths occurring in 2023.
This represents a 52 percent increase from last year and the most heat related deaths ever recorded.
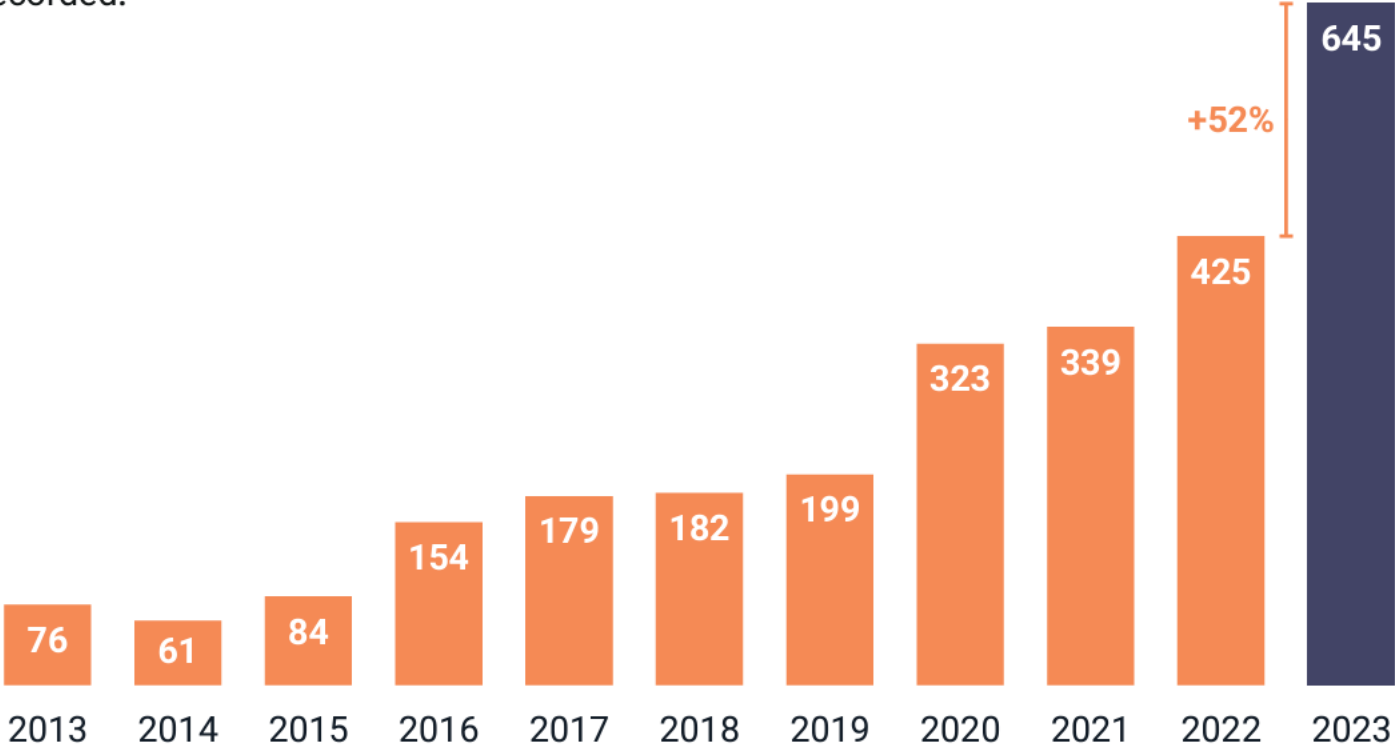
* 1 death that occurred in September of 2023 is pending a cause of death

Effects of higher temperatures

Common City of Tempe Hazards

| HEAT WAVES | FIRES | POWER OUTAGES |

Tempe's relentless 110+ degree heat waves, intensified by the urban heat island, prove deadly without respite even at night.

Residential fires in Tempe pose an additional hazard, potentially displacing people from their homes.

Power outages in Tempe, whether due to heat or accidents, can make staying at home unsafe.

FMR Calls for Service & Temperature

Higher temperatures increase Tempe calls-for-service

Inequitable distribution of heat-related calls for service
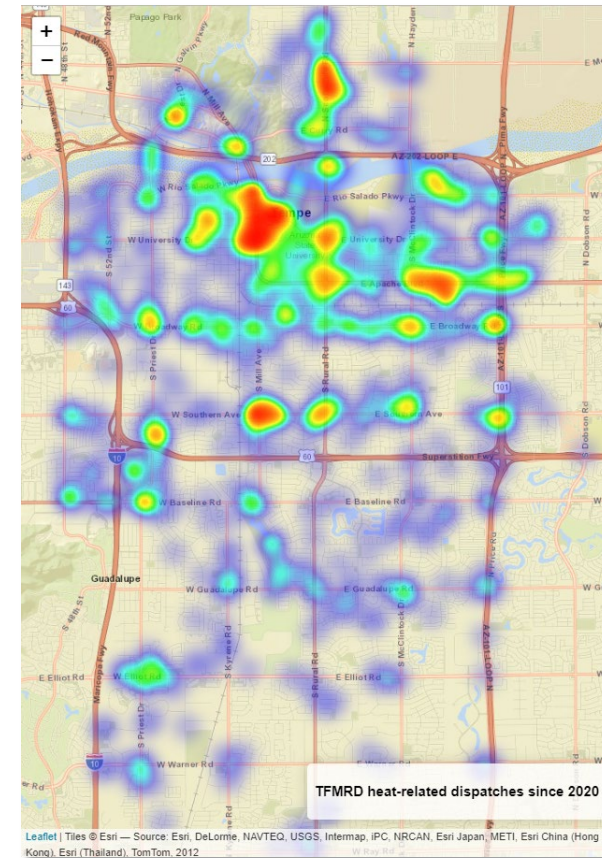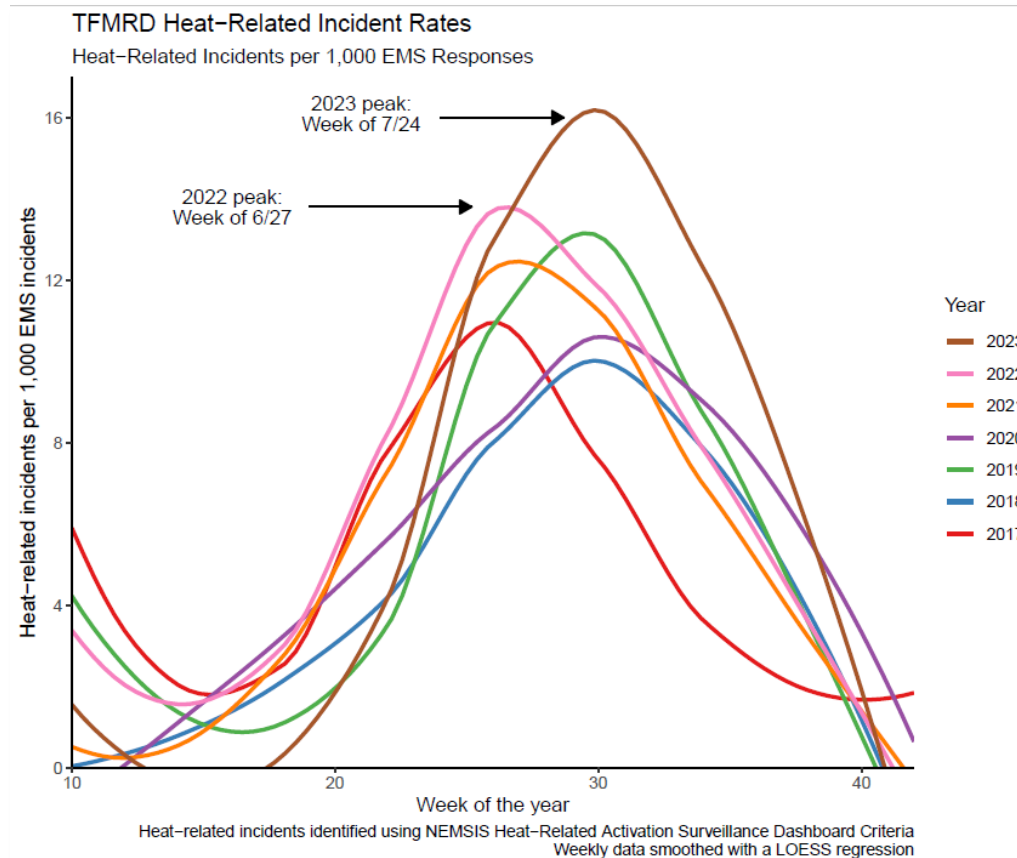
How can we improve Tempe's resilience to hazards and everyday challenges?

Our Approach:

Community Emergency Preparedness & Response **+** Building Social Capacity & Capital **=** **Resilience Hubs**

Resilience Hubs:

Trusted, community-led spaces designed to operate in
Three Resilience Hub Modes:

EVERYDAY	DISRUPTION	RECOVERY
(99% OF THE TIME)		
Space to mobilize to reduce socio-economic vulnerabilities and promote equity through community identified **programming & services**	Central point for gathering, assembling information, and assessing damage during an emergency disruption	Plays a critical role in post-emergency recovery and ongoing communication needs.

Tempe Resilience Hub Focus Areas

Community Agency

Everyday Programs and Services

Community Disruption Response Plan

City of Tempe Support

Equity

Resilient Infrastructure Investment

Emergency Preparedness

Resilience Hub Project Grant

Everyday Programs and Services

Existing Services	New Programs	Emergency Preparedness
• Food bank services • Hygiene services like laundry or shower services • Improving transportation services • ADA compliance support	• Community garden support • New community identified programming • Resilience Hub Community Planning Engagements (events, workshops, engagement material)	• Installing shade structures of planting trees • Emergency supplies • Improving energy efficiency • Emergency trainings

Community Response Plan

Community Disruption Response Plan

Tempe Resilience Hub Community Response Plan

Based On:
- **Community Resource & Assets**
- **Organizational Connections**

Resilient Energy Hub Master Plan

(Microgrid Feasibility Assessment)

Solar + Battery Storage

Resilient Infrastructure Investment

Microgrid Assessment Locations

- Police/Fire (10)
  - Main Police Courts Building Complex
  - Apache PD Substation
  - South PD Substation
  - Fire Stations 1, 2, 3, 4, 5, 6, 7

- Community Centers (10)
  - Tempe Library
  - Kiwanis Recreation Center
  - Escalante Multi Gen Center
  - North Tempe Multi Gen Center
  - West Side Multi Gen Facility
  - Pyle Adult Recreation Center
  - Edna Vihel Arts Center
  - Clark Park Recreation Center
  - Guadalupe Library
  - EnVision Center

- Community-Led Facilities (10)
  - Salvation Army
  - YMCA
  - 8 Faith-Based Organizations

Community Centers
Faith-Based Organizations

Heat Priority Score 2015 to 2020
1 ☆
2 ☆☆
3 ☆☆☆
4 ☆☆☆☆
5 ☆☆☆☆☆

Tempe Resilience Hub Focus Areas

Community Agency

Everyday Programs and Services

Community Disruption Response Plan

City of Tempe Support

Resilient Infrastructure Investment

Equity
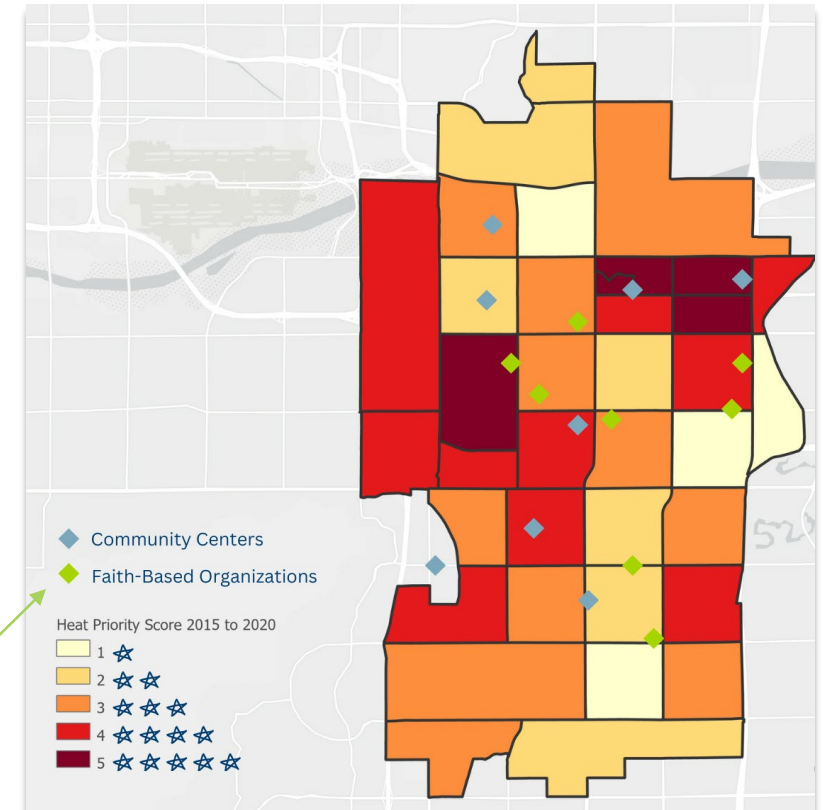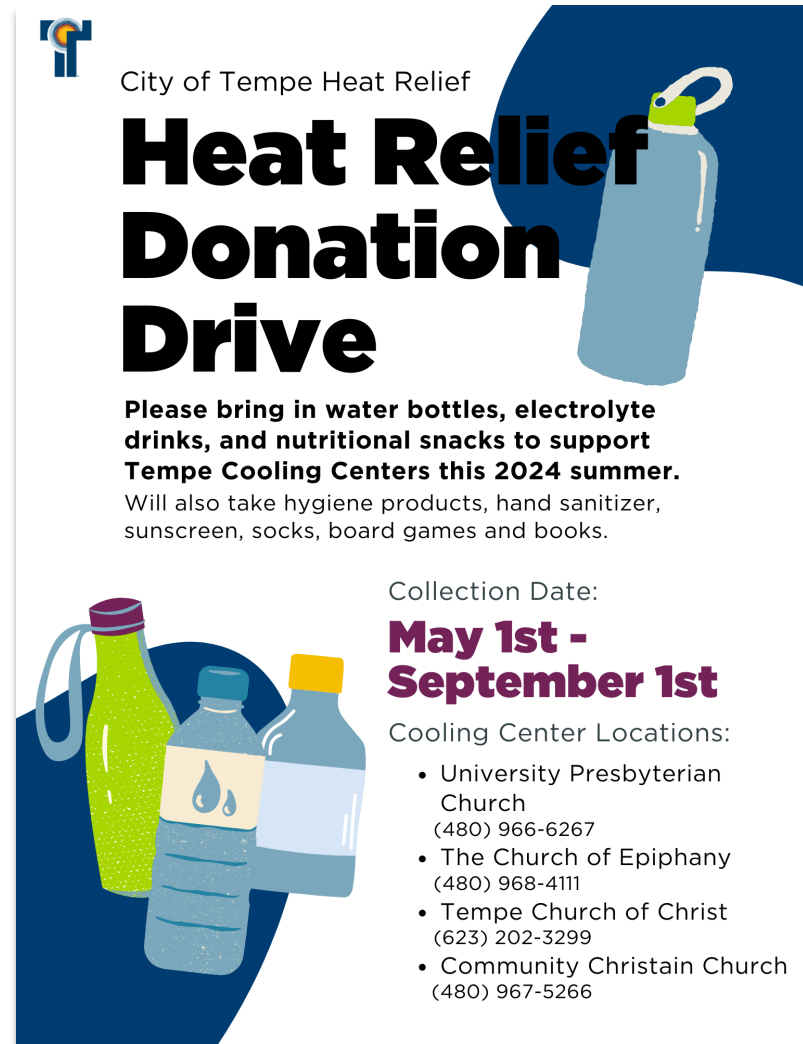
Emergency Preparedness

Resilience Hub Cooling Centers

4 Resilience Hubs will be operating as cooling centers this 2024 summer

Other sites will be hosting water and snack drives for the cooling centers

City of Tempe Heat Relief

Heat Relief Donation Drive

Please bring in water bottles, electrolyte drinks, and nutritional snacks to support Tempe Cooling Centers this 2024 summer.
Will also take hygiene products, hand sanitizer, sunscreen, socks, board games and books.

Collection Date:

May 1st - September 1st

Cooling Center Locations:

- University Presbyterian Church
  (480) 966-6267
- The Church of Epiphany
  (480) 968-4111
- Tempe Church of Christ
  (623) 202-3299
- Community Christain Church
  (480) 967-5266

University Presbyterian Church

Desert Palm United Church of Christ

Tempe Church of Christ

King of Glory Lutheran Church

The Church of Epiphany

City Point Church

Dayspring United Methodist Church

Community Christian Church

21

Next Steps

1. **Cooling Centers: May1-September 30**

2. **Climate Pollution Reduction Grant Regional Application: July 2024**

3. **Resilient Energy Hub Masterplan: Spring 2025**

What might I find at a Resilience Hub?

- community gardens
- education and programming
- green roofs
- community gathering spaces
- solar panels
- ample shaded areas
- EV charging
- bicycle parking
- backup power
- emergency food, water, and supplies

Sustainability & Resilience Office
Grant Activity Tracker
Updated: 4/8/2024

Status	Grant Title	Funding Agency	Amount	Application Role
Applying	Energy Efficiency Conservation Block Grant (EECBG)	DOE	$236,500	Lead
Applying	Grow Local Tempe – Implementation	USDA – Urban Ag and Innovative Production Grant	$350,000	Lead
Applying	Community Change Grant	EPA	Overall: $20 million Tempe Total: $1.2 million	Sub-recipient Lead: ASU and Rail CDC
Pending	Climate Pollution Reduction Grant (CPRG)	EPA	Overall Total: $450 million Tempe Total: $33 million	Sub-recipient Lead: City of Phoenix
Pending	Heat Mitigation and Resilience Specialist	Tribal Gaming Grant	$114,463	Lead
Pending	The Community's Kitchen: Empowering Food Entrepreneurs through Cooperative Business Development	USDA Resilient Food Systems Infrastructure Program	$616,000 (50% match)	Lead
In progress	Cool Kids, Cool Places, Cool Futures	Robert Wood Johnson Foundation	$600,000	Lead
In progress	Growing Together	USDA Urban and Community Forestry	Overall Total: ?? Tempe Total: $880,728	Sub-recipient Lead: ASU
In progress	Growing Together	AZ DFFM	$724,985	Lead
In progress	State Farm Century of Good	State Farm	$500,000	Lead
In progress	Grow Local Tempe - Planning	USDA – Urban Ag and Innovative Production Grant	$200,000	Lead
In progress	Climate Adaptive Urban Forestry	Tribal Gaming Grant	$25,000	Lead
Unsuccessful	Charging and Fueling Infrastructure Grant Program	FHWA	$1 million	Lead
Unsuccessful	Circular Economy & Composting	ADEQ	$50,000	Lead
Unsuccessful	Ditch the Dumpster Special Events	ADEQ	$25,000	Lead

Overview

- U.S. Green Building Council

- Benchmark performance against national and global standards

- Total of 110 Points
  - Attempted 63 points
  - Tempe earned 61 = Gold

Tempe Score Overview

Category	Points
Integrative Process	2 of 5
Natural Systems and Ecology	6 of 9
Transportation and Land Use	9 of 15
Water Efficiency	2 of 11
Energy and GHG Emissions	21 of 30
Materials and Solid Waste	1 of 10
Quality of Life	13 of 20
Innovation	5 of 6
Regional Priority	2 of 4

Highlights – Transportation and Land Use

- Transportation Performance: 6 out of 6 points
  - This measure's intent is to promote non-motorized transportation, encourage use of public transit and reduce pollution from transportation sector. Tempe earned points by measuring the daily Vehicle Miles Travelled (VMT) per capita for all passenger vehicles within the city. The fewer per capita vehicle miles traveled, the higher the points earned.

TRANSPORTATION AND LAND USE	09 OF 15
Transportation Performance	6/6
Compact, Mixed Use and Transit Oriented Development	0/2
Access to Quality Transit	1/1
Alternative Fuel Vehicles	0/2
Smart Mobility and Transportation Policy	0/2
High Priority Sites	2/2

Highlight – Energy and GHG Emissions

- Energy & Greenhouse Gas Emissions Performance: 12 out of 14 points
  - The intent of this measure is to support energy management and move towards a zero energy and emissions city. Tempe earned points by measuring the annual energy consumption and Greenhouse Gas (GHG) emissions for the city. The lower the energy use, the higher the points earned.
- Renewable Energy: 4 out of 6 points
  - The intent of this measure is to reduce the environmental and economic harms associated with fossil fuel energy and reduce Greenhouse Gas emissions by increasing self-supply of renewable energy and the use of grid-source, renewable energy technologies. Tempe earned points by having 12% of total electricity and thermal energy consumption of the city met by renewables.

ENERGY AND GREENHOUSE GAS EMISSIONS	21 OF 30
Power Access, Reliability and Resiliency	Y
Energy and Greenhouse Gas Emissions Performance	12/14
Energy Efficiency	1/4
Renewable Energy	4/6
Low Carbon Economy	2/4
Grid Harmonization	2/2

Highlight – Quality of Life

- Quality of Life Performance: 5 out of 6 points
  - This measure's intent is to track and measure metrics related to elevating the living standards of all people. Tempe earned points by measuring education, equitability (median gross rent as a % of household income and Gini coefficient), prosperity (median household income and unemployment rate), and health and safety (median air quality index, air quality days unhealthy for sensitive groups and violent crime).

QUALITY OF LIFE	13 OF 20
Demographic Assessment	Y
Quality of Life Performance	5/6
Trend Improvements	4/4
Distributional Equity	0/4
Environmental Justice	1/1
Housing and Transportation Affordability	1/2
Civic and Community Engagement	1/2
Civil and Human Rights	1/1

Highlight - Innovation

- **Innovation: 5 out of 6 points**
  - The intent of this measure is to encourage cities to achieve exceptional or innovative performance. Tempe earned points for the Community Resilience Hub project, the Cool Kids, Cool Places, Cool Future program, community outreach and engagement in climate justice decision making, the Indigenous Design Collaborative, and energy equity and climate justice engagement.

INNOVATION	05 OF 06
Innovation	5/6
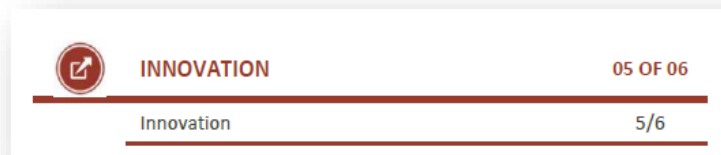
LEED v4.1 for Cities: Existing

City of Tempe, Arizona

Project ID: 1000145844

Date: April 20, 2024

FINAL REVIEW REPORT

LEED Certification Review Report

This report contains the results of the technical review of an application for LEED® certification submitted for the specified project. LEED certification is an official recognition that a project complies with the requirements prescribed within the LEED rating systems as created and maintained by the U.S. Green Building Council® (USGBC®). The LEED certification program is administered by Green Business Certification Inc. (GBCI®).

City of Tempe, Arizona

Project ID	1000145844
Rating System & version:	LEED v4.1 Cities: Existing
Project Registration Date:	June 28, 2021

Gold Certified
CERTIFIED: 40-49, SILVER: 50-59, GOLD: 60-79, PLATINUM: 80+

LEED v4.1 CITIES: EXISTING

ATTEMPTED: 63, NOT AWARDED: 02, PENDING: 00, AWARDED: 61 OF 110 POINTS

INTEGRATIVE PROCESS — 02 OF 05

Integrative Planning and Design Process	1/1
Green Building Policy and Incentives	1/4

NATURAL SYSTEMS AND ECOLOGY — 06 OF 09

Ecosystem Assessment	Y
Green Spaces	2/2
Natural Resources Conservation and Restoration	0/2
Light Pollution Reduction	0/1
Resilience Planning	4/4

TRANSPORTATION AND LAND USE — 09 OF 15

Transportation Performance	6/6
Compact, Mixed Use and Transit Oriented Development	0/2
Access to Quality Transit	1/1
Alternative Fuel Vehicles	0/2
Smart Mobility and Transportation Policy	0/2
High Priority Sites	2/2

WATER EFFICIENCY — 02 OF 11

Water Access and Quality	Y
Water Performance	0/6
Integrated Water Management	0/1
Stormwater Management	0/2
Smart Water Systems	2/2

ENERGY AND GREENHOUSE GAS EMISSIONS — 21 OF 30

Power Access, Reliability and Resiliency	Y
Energy and Greenhouse Gas Emissions Performance	12/14
Energy Efficiency	1/4
Renewable Energy	4/6
Low Carbon Economy	2/4
Grid Harmonization	2/2

MATERIALS AND RESOURCES — 01 OF 10

Solid Waste Management	Y
Waste Performance	1/4
Special Waste Streams Management	0/1
Responsible Sourcing for Infrastructure	0/2
Material Recovery	0/1
Smart Waste Management Systems	0/2

QUALITY OF LIFE — 13 OF 20

Demographic Assessment	Y
Quality of Life Performance	5/6
Trend Improvements	4/4
Distributional Equity	0/4
Environmental Justice	1/1
Housing and Transportation Affordability	1/2
Civic and Community Engagement	1/2
Civil and Human Rights	1/1

INNOVATION — 05 OF 06

Innovation	5/6

REGIONAL PRIORITY — 02 OF 04

Regional Priority	2/4

CREDIT DETAILS

USGBC POPULATION CALCULATOR

EXISTING FINAL REVIEW

The documentation sufficiently describes the population of the city.

EXISTING PRELIMINARY REVIEW

1. The permanent population value indicated in the USGBC population calculator embedded in the supporting documentation '1_LFC Existing_PROJECT INFO.xlsx' matches the value indicated on census.gov/quickfacts and hence has been considered for the review. However, the total workers living and working in the place residence mentioned in the supporting documentation 'Transient Population Narrative.docx' used for estimating the total transient working population for the year 2020 does not match the value indicated on census.gov (B08008 003E).

Revise and share the updated population calculator for the city.

2. The total number of tourists visiting Tempe in the year 2020 mentioned in the supporting documentation 'Transient Population Narrative.docx' and 'Tourism Report 2019-20.pdf' does not match the value entered in the USGBC population calculator embedded in the supporting documentation '1_LFC Existing_PROJECT INFO.xlsx'.

Revise and share the updated population calculator for the city.

Integrative Process

Integrative Planning and Design Process

Awarded: 1

POSSIBLE POINTS: 1
ATTEMPTED: 1, NOT AWARDED: 0, PENDING: 0, AWARDED: 1

EXISTING PRELIMINARY REVIEW

Awarded

Green Building Policy and Incentives

Awarded: 1

POSSIBLE POINTS: 4
ATTEMPTED: 1, NOT AWARDED: 0, PENDING: 0, AWARDED: 1

EXISTING PRELIMINARY REVIEW

Option 3. Building Performance Disclosure:

Buildings owned and/or operated by the local government or development authority:

Awarded

Natural Systems and Ecology

Ecosystem Assessment   **Awarded**
EXISTING PRELIMINARY REVIEW

Awarded

Green Spaces   **Awarded: 2**
POSSIBLE POINTS: 2
ATTEMPTED: 2, NOT AWARDED: 0, PENDING: 0, AWARDED: 2
EXISTING PRELIMINARY REVIEW

Awarded

Natural Resources Conservation and Restoration   **Not Attempted**
POSSIBLE POINTS: 2

Light Pollution Reduction   **Not Attempted**
POSSIBLE POINTS: 1

Resilience Planning   **Awarded: 4**
POSSIBLE POINTS: 4
ATTEMPTED: 4, NOT AWARDED: 0, PENDING: 0, AWARDED: 4
EXISTING PRELIMINARY REVIEW

Vulnerability and Capacity Assessment:

Awarded

_____

Resilience Plan:

Awarded

Transportation and Land Use

Transportation Performance

Awarded: 6

POSSIBLE POINTS: 6

ATTEMPTED: 6, NOT AWARDED: 0, PENDING: 0, AWARDED: 6

EXISTING FINAL REVIEW

Awarded with a Transportation Performance score of 100.

EXISTING PRELIMINARY REVIEW

1. Refer to the comment on USGBC Population Calculator at the beginning of the document.

Revise and resubmit the daily per capita VMT calculation using the correct population. Revise values in Arc, if necessary.

2. The total VMT for the City of Tempe in the supporting documentation '2020_Tempe_GHG_Calculation_Workbook_12082021.xlsx' does not match with the total VMT value in the supporting documentation 'Richard Rushforth Analysis of 2015 GHG Inventory.docx'.

Revise and resubmit the daily per capita VMT calculation using the correct VMT value for the city of Tempe. Revise values in Arc, if necessary.

3. The total VMT per capita per day value mentioned in the supporting documentation '4_LFC_Existing_TRANSPORTATION.xlsx' does not match with the total VMT per capita per day value entered in the ARC.

Provide updated narrative and calculations confirming the daily per capita VMT for the City of Tempe. Revise values in Arc, if necessary

Compact, Mixed Use and Transit Oriented Development

Not Attempted

POSSIBLE POINTS: 2

Access to Quality Transit

Awarded: 1

POSSIBLE POINTS: 1

ATTEMPTED: 1, NOT AWARDED: 0, PENDING: 0, AWARDED: 1

EXISTING PRELIMINARY REVIEW

Option 2. Intermodal Connectivity:

Awarded

Alternative Fuel Vehicles   **Not Attempted**

POSSIBLE POINTS: 2

Smart Mobility and Transportation Policy   **Not Attempted**

POSSIBLE POINTS: 2

High-Priority Site   **Awarded: 2**

POSSIBLE POINTS: 2

ATTEMPTED: 2, NOT AWARDED: 0, PENDING: 0, AWARDED: 2

EXISTING PRELIMINARY REVIEW

Option 1. Historic Preservation:

Awarded

Water Efficiency

Water Access and Quality   Awarded

Water and Sanitation Access:

Case 1. Water and Sanitation Access to All Buildings:

Awarded

_____

Drinking Water Quality:

Awarded

_____

Treated Wastewater Quality:

Awarded

_____

Stormwater Quality:

Awarded

Water Performance   Awarded
POSSIBLE POINTS: 6
ATTEMPTED: 0, NOT AWARDED: 0, PENDING: 0, AWARDED: 0

EXISTING FINAL REVIEW

Alternative Compliance Path:

Option 2: Water Consumption Trend Improvement: Awarded

EXISTING PRELIMINARY REVIEW

Alternative Compliance Path:

Option 2: Water Consumption Trend Improvement: Pending

1. The trend line demonstrating reduction in domestic water consumption per capita over a period of latest five years could not be found in the supporting documentation "Document in 5_LFC_Existing_Water" in the LEED Worksheet.

Provide documentation for trend line reduction in domestic water consumption per capita over a period of latest five years.

2. Narrative describing reasons for high per capita domestic water consumption and plans/policies adopted to reduce water consumption could not be found in the supporting documentation.

Provide narrative describing reasons for high per capita domestic water consumption and plans/policies adopted to reduce water consumption.

Integrated Water Management   **Withdrawn**
POSSIBLE POINTS: 1

Stormwater Management   **Not Attempted**
POSSIBLE POINTS: 2

Smart Water Systems   **Awarded: 2**
POSSIBLE POINTS: 2
ATTEMPTED: 2, NOT AWARDED: 0, PENDING: 0, AWARDED: 2
EXISTING PRELIMINARY REVIEW
Option 2. Water Audit and Automation:

Awarded

☀ Energy and Greenhouse Gas Emissions

Power Access, Reliability and Resiliency   **Awarded**

EXISTING FINAL REVIEW

Power Surety and Resiliency:

Awarded

EXISTING PRELIMINARY REVIEW

Access:

Case 1. Electricity Access:

Awarded

_____

Reliability Performance Monitoring:

Awarded

_____

Power Surety and Resiliency:

1. The supporting documentation does not include information on fuel storage capacity for critical emergency facilities to support the minimum daily runtime for a week or longer.

Provide additional documentation demonstrating that the fuel storage capacity supports the minimum daily runtime for at least a week or longer for identified critical emergency facilities.

Energy and Greenhouse Gas Emissions Performance   **Awarded: 12**
POSSIBLE POINTS: 14
ATTEMPTED: 12, NOT AWARDED: 0, PENDING: 0, AWARDED: 12

EXISTING FINAL REVIEW

Awarded with an Energy Performance Score of 90.

_____

Note the following:

I. The revised GHG emissions per capita data have not been updated in Arc. Since, the variation in the value is minor, and do not impact the points this has been accepted for this submission only. Project team is requested to update the Arc data for all future submissions.

1. The full-time equivalent population used for estimating the daily per capita GHG emissions is from the calculator provided under 'Project info' folder whose values were incorrect and therefore has not been considered for the review.

Refer to the comment on 'USGBC Population Calculator' at the beginning of the document. Revise and share the per capita GHG emissions calculation using the updated population. Revise values in Arc, if necessary.

_____

Note the following:

I. The supporting documentation '2020 Community GHG inventory detailed report.xlsx' indicates that scope 3 emissions from waste, water and wastewater sectors have been included in the total annual GHG emissions for the city. However, the emissions from all scope 1 and scope 2 activities within the city boundary should only be included. Given that the total annual GHG emissions for the city does not vary significantly after excluding the scope 3 emissions, it has been accepted for this submission. For future submissions, ensure all calculations are accurate and correct.

Energy Efficiency   Awarded: 1
POSSIBLE POINTS: 4
ATTEMPTED: 1, NOT AWARDED: 0, PENDING: 0, AWARDED: 1

EXISTING FINAL REVIEW

Awarded

EXISTING PRELIMINARY REVIEW

Option 1. Street Lighting and Public Area Lighting:

1. The supporting narrative indicates that 50% of the city's streetlights, 90% of the park lighting are LEDs and the streetlight lamps meets the minimum luminous efficacy requirement of 100 lumens per watts. However, it is unclear from the supporting narrative what percentage of the total street lighting and public area lighting combined have a minimum luminous efficacy of 100 lumens per watt.

Provide updated documentation describing the percentage of the total street lighting and public area lighting having a luminous efficacy of 100 lumens per watt and above.

Renewable Energy   Awarded: 4

POSSIBLE POINTS: 6
ATTEMPTED: 4, NOT AWARDED: 0, PENDING: 0, AWARDED: 4

EXISTING FINAL REVIEW

Awarded

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Note the following:

I. The supporting documentation 'Renewable Energy Credit COT.xlsx' indicates that the renewable energy percentage share of the city has been estimated based on the total electricity load of the city. However, the renewable energy percentage share of the city should be estimated based on the total electricity and thermal energy consumption for the city. Points have been awarded based on the recalculated percentage of renewable energy met by total electricity and thermal energy consumption of the city (12%).

II. This credit has been attempted during the final review.

Low Carbon Economy   Awarded: 2

POSSIBLE POINTS: 4
ATTEMPTED: 2, NOT AWARDED: 0, PENDING: 0, AWARDED: 2

EXISTING FINAL REVIEW

Awarded

EXISTING PRELIMINARY REVIEW

Option 1. Greenhouse Gas Emissions Intensity:

1. EN Prerequisite: Energy and GHG Performance is pending for the city.

See the review comments under EN Prerequisite Energy and Greenhouse Gas Emissions Performance and update the credit documentation as necessary. GBCI will revisit this credit during the final review depending on the final review status of EN Prerequisite: Energy and GHG Performance.

Grid Harmonization

Awarded: 2

POSSIBLE POINTS: 2

ATTEMPTED: 2, NOT AWARDED: 0, PENDING: 0, AWARDED: 2

EXISTING FINAL SUPPLEMENTAL REVIEW

Option 1. Load Management:

Awarded

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Note the following:

I. This credit has been attempted during the final review.

Materials and Resources

Solid Waste Management   **Awarded**

EXISTING FINAL REVIEW

Construction & Demolition Waste Management:

Awarded

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Note the following:

I. The supporting narrative indicates that the city is not tracking the construction and demolition waste from infrastructure works and it is assumed to be diverted as part of commercial diversion rate. However, the construction and demolition waste data from infrastructure works shall be tracked and recorded separately at the city level by the local authority. This documentation is being accepted for the current submission only. Ensure to track and record C&D waste generation and diversion data from infrastructure works at the city level going forward.

EXISTING PRELIMINARY REVIEW

Access to Waste Management Services:

Case 1: Access to Waste Management Services of all Types of Buildings or City's Population:

Awarded

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Solid Waste Management Plan:

Awarded

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Construction & Demolition Waste Management: Pending

1. The construction & demolition waste generation and diversion data from infrastructure works for most recent one full calendar year for the city of Tempe could not be found in the supporting documentation.

Provide updated documentation highlighting the C&D waste generation data and diversion rate from infrastructure works for most recent one full calendar year.

2. The information on the strategies adopted by the city for the C&D waste recycling/diversion could not be found in the supporting documentation.

Provide updated documentation mentioning the strategies adopted by the city for the C&D waste recycling/diversion.

Waste Performance   **Awarded: 1**

POSSIBLE POINTS: 4
ATTEMPTED: 1, NOT AWARDED: 0, PENDING: 0, AWARDED: 1

EXISTING PRELIMINARY REVIEW

Awarded with a Waste Performance score of 53.

Special Waste Streams Management   **Not Attempted**

POSSIBLE POINTS: 1

Responsible Sourcing for Infrastructure   **Not Attempted**

POSSIBLE POINTS: 2

Material Recovery   **Not Attempted**

POSSIBLE POINTS: 1

Smart Waste Management Systems   **Not Attempted**

POSSIBLE POINTS: 2

Demographic Assessment   **Awarded**

EXISTING FINAL REVIEW

Awarded

EXISTING PRELIMINARY REVIEW

1. The supporting series of maps does not appear to include the following: residential density, and public accommodations and services (Parks, Libraries, Recreation Centers, Schools, Fire Stations, Police Stations, and Healthful retail food outlets).

Provide updated maps highlighting residential density and location of public accommodations and services (Parks, Libraries, Recreation Centers, Schools, Fire Stations, Police Stations, and Healthful retail food outlets).

Quality of Life Performance   **Awarded: 5**

POSSIBLE POINTS: 6
ATTEMPTED: 5, NOT AWARDED: 0, PENDING: 0, AWARDED: 5

EXISTING FINAL REVIEW

Awarded with a Quality of Life Performance score of 82.

EXISTING PRELIMINARY REVIEW

1. The supporting link 'https://azdeq.gov/aq/ytd?year=2021&pollutant=ozone&location=phoenix&type=aqi#mtop' indicates daily Ozone Air Quality Index for 2021. However, median air quality data and number of air quality days unhealthy for sensitive groups data could not be found in the supporting documentation.

Provide updated documentation indicating the median air quality data, and number of air quality days unhealthy for sensitive groups data. Revise values in Arc, if necessary.

Trend Improvements   **Awarded: 4**

POSSIBLE POINTS: 4
ATTEMPTED: 4, NOT AWARDED: 0, PENDING: 0, AWARDED: 4

EXISTING FINAL REVIEW

Unemployment Rate:

Awarded

Population with a High School Degree:

Awarded

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Graduation Rate:

Awarded

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Small Businesses:

Awarded

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Note the following:

I. The number of businesses (having fewer than 500 employees) per 1,000 residents comes out to be different upon recalculation. However, it has been accepted for this review as it meets the stated threshold.

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Unemployment Rate:

1. The supporting documentation ' https://ycharts.com/indicators/tempe_az_unemployment_rate' indicates the trend from November 2021 to July 2022. Whereas the credit requires an improving trend from a baseline year (one full calendar or financial year) no more than five years prior to the most recent reporting year.

Provide updated supporting documentation indicating trend for one full calendar year from a baseline year no more than five years prior to the most recent reporting year.

Distributional Equity   **Not Attempted**
POSSIBLE POINTS: 4

Environmental Justice   **Awarded: 1**
POSSIBLE POINTS: 1
ATTEMPTED: 1, NOT AWARDED: 0, PENDING: 0, AWARDED: 1
EXISTING FINAL REVIEW

Awarded

1. Information on progress in reducing the risks and exposure to priority environmental justice conditions for priority areas during the last 5 years could not be found in the supporting documentation.

Provide updated narrative indicating the steps taken by the city to reduce the risks and exposure to priority environmental justice conditions for priority areas during the last 5 years.

Housing and Transportation Affordability   Awarded: 1
POSSIBLE POINTS: 2
ATTEMPTED: 1, NOT AWARDED: 0, PENDING: 0, AWARDED: 1

EXISTING PRELIMINARY REVIEW

Option 1. Comprehensive Housing Policy:

Awarded

Civic and Community Engagement   Awarded: 1
POSSIBLE POINTS: 2
ATTEMPTED: 1, NOT AWARDED: 0, PENDING: 0, AWARDED: 1

EXISTING FINAL REVIEW

Option 2. Conduct Survey on Community Impact:

Awarded

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Note the following:

I. This credit has been reattempted during the final review.

EXISTING PRELIMINARY REVIEW

Option 2. Conduct Survey on Community Impact:

Not awarded. The project does not meet the required threshold of 51%.

Civil and Human Rights   Awarded: 1
POSSIBLE POINTS: 1
ATTEMPTED: 1, NOT AWARDED: 0, PENDING: 0, AWARDED: 1

EXISTING PRELIMINARY REVIEW

Awarded

Innovation

Innovation

Awarded: 5

POSSIBLE POINTS: 6

ATTEMPTED: 6, NOT AWARDED: 1, PENDING: 0, AWARDED: 5

EXISTING FINAL REVIEW

Innovation 6. The Arizona Heat Resilience Workshop:

Not Awarded. The intent and requirement of the strategy are already addressed in 'QL Credit: Environmental Justice'.

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Innovation 7. Future Shocks and City Resilience:

Awarded

EXISTING PRELIMINARY REVIEW

Innovation 1. Community Resilience Hub:

Awarded

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Innovation 2. Cool Kids, Cool Places, Cool Futures:

Awarded

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Innovation 3. Community outreach and engagement in Climate Justice decision making:

It is unclear from the supporting documentation how the strategies mentioned under the innovation strategy are different from those listed under the credit Environmental Justice and credit Civic and Community Engagement.

Provide updated narrative describing how the strategies mentioned in Innovation 3 are different from credit Environmental Justice and credit Civic and Community Engagement.

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Innovation 4. Indigenous Design Collaborative (IDC):

Awarded

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Innovation 5. Energy Equity and Climate Justice Engagement:

Awarded

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Note the following:

I. The projects can achieve a maximum of 6 points under the Innovation credit category. Project team may choose to attempt fresh innovation strategies. However, please do remember that any new credit submissions will be reviewed only once during the final review.

Regional Priority

Regional Priority   **Awarded: 2**

POSSIBLE POINTS: 4

ATTEMPTED: 3, NOT AWARDED: 1, PENDING: 0, AWARDED: 2

EXISTING FINAL REVIEW

Option 1. Regional Priority

Strategy 1: EN Credit: Renewable Energy

Awarded.

Strategy 2: TR Credit: High-Priority Site

Awarded.

Note:

I. These credits were attempted during Final Review.

EXISTING PRELIMINARY REVIEW

Option 2. Innovative Regional Priority

Strategy 1. Electric Vehicle Charging Infrastructure: Not Awarded

Option 2. Innovative Regional Priority is available for a strategy which is not addressed in the LEED for Cities and Communities rating system. The rating system already addresses regional adoption of electric vehicle charging infrastructure through TR Credit: Alternative Fuel Vehicles.

EARTH MONTH EVENTS

- April 1 to 30: [Bike Hero Nominations accepted](#)

- April 1: [Earth Month](#) & [Bike Month](#) begin

- April 2: [ASU Sustainability Walking Tour](#)

- April 5: [Arizona Bicycling Summit](#)

- April 13: [Alley cleanup - Maple Ash Neighborhood](#)

- April 13: [PedalPalooza](#) - bicycling event with food trucks, games & a six-mile ride

- April 13: [Gardening to Attract Pollinators](#) – free workshop, gardening rebates possible!

- April 14: [Second Sundays on Mill](#) – local shopping accessible with public transit

- April 14: [ASU Baseball Green Game](#)

- April 15: [Monthly Park Cleanup – LoPiano Park East](#)

- April 17: [Bike to Work Day](#)

- April 20: [Free Compost Workshop](#)

- **April 22: Earth Day!**

     [ASU Earth Day celebration](#) - live music, art

     [Earth Day Extravaganza Expo](#) - City of Phoenix, Arizona Green Living event

     [Household Products Collection Center 25th Anniversary](#)! - celebrate by decluttering your home responsibly

     [Clean Up Papago event](#) -Join your community in keeping Papago Park clean

- April 24: [Tempe Tour of Water Harvesting Projects](#)

- April 24: [Rain to Roots stormwater site tour](#)

- April 26: Arbor Day

- April 26: City Leadership Tree Planting

- April 27: #TrashTag cleanup – Tempe Town Lake

- April 27: Tree-a-Thon planting at Tempe schools

- April 27: Zero Waste Day

- April 27: Drive Electric - Earth Month Ride & Drive

Month	SRC Agenda	City of Tempe Calendar

January	- Local First Composting Pilot Program
	- Neighborhood Awards
	- Calendar Events
	
	- S&RO Updates
	   - January 18 SRP Solar Choice Select Agreement
	   - January 20 recap
	   - Commission composition
	       ○ Feb 1 - 1st hearing
	       ○ Feb 15 - 2nd hearing
		Council:
		- January 18 RCM SRP Solar Choice Select Agreement
		- January 30 South Tempe Candidate Forum
		
		Public Meetings:
		- January 20 EnVision Open House & Community Food Showcase
		- January 22 Mill Avenue Refresh

February	- SRP Solar Canals - Solarize Tempe (Mayor Proclamation + Outreach) - Neighborhood Award Selection	Council: - Feb 1 RCM Commission Composition 1st hearing - Feb 7 Kiwanis Club Candidate Forum - Feb 15 Commission Composition 2nd hearing - Feb., 21 at noon Resilience Hub Initiative Update to HSCS Council Committee - Feb 22 WSS Financial Forecast and Intro for CIP Public Meetings: - Feb., 6 at noon via Zoom - virtual budget forum - Feb., 6 at 6pm Tempe History Museum - in

			person budget forum
• Feb., 12 at noon via Zoom - virtual Resilience Hub Initiative Public Meeting
• Feb., 12 at 6pm at EnVision - Resilience Hub Public Meeting
• Feb. 13 at 5-6pm at Virtual - Sustainability Candidate Forum
March		• General Plan 2050 Update
• Character Area 6 Planning Process (Ambika and Jacob)
• S&RO Budget Overview (CIP)
• Growing Together (ASU+DFFM) (Maddie + Richard) | Council:
• March 7 - Growing Together grant funding accepted by Council
• March 12 - Tempe Election
• March 25 WSS Tree & Shade Canopy Strategies Overview
• March 25 WSS CIP And Acceleration Strategies

Public Meetings:
• March 8 Growing Together Press Release |
| April | | • ADU Community Development (Ryan and Brenda)
• Heat Relief Communications/Cooling Center Plan
• S&RO Grant Updates | Council:
• April 4 RCM - Earth Month Proclamation
• April 12 Council Retreat |

		• Climate Pollution Reduction Grant (Helene) • Growing Together • Gaming Grant • EECBG • CFI/Charging & Facility Infrastructure • Composting/Circular Economy • LEED for cities	• April 12 Sustainability and Economic Vitality Council Committee presentation on Growing Together Grant • April 18 WSS Operating, CIP and Acceleration Strategies • April 18 WSS Energy Equity Program Overview • SEV Growing Together - TBD Public Meetings/Events: • April 6 at 8am Neighborhood Award Celebration at Kiwanis Park • See Earth Month Events Calendar • *EARTH MONTH CALENDAR*
May		• Waste Diversion and Composting • Rain to Roots Update	Council: • May 2 WSS Budget Review Operating and CIP (if needed) • May 2 WSS Resilience Hub Initiative Overview • May 13 Joint Council and DRC Meeting • May 16 WSS Accessory Dwelling Units Zoning and Development Code Update • May 21 Special Budget Meeting (adoption)

		Public Meetings: • May 6 at 5:30pm Rain to Roots Ambassador Program • May 21 at 2pm Resilience Hub Network Monthly Meeting
June	• RETREAT	Council: • June 6 Special Budget Meeting CIP and Property Tax Levy 1st Hearing • June 27 Final Property Tax Hearing Public Meetings: • April 3 at 5:30pm Rain to Roots Ambassador Meeting • April 18 at 3pm Resilience Hub Network Monthly Meeting
July		Council: Public Meetings:
August	• Grow Local Tempe Roadmap • TMA/TDM/MA Strategy	Council: Public Meetings: • Energy Equity Roadmap • Grow Local Tempe Roadmap (Maddie)

Month		
September		Council: • Grow Local Tempe Roadmap Approved by Council Public Meetings: • Energy Equity Roadmap draft recommendations
October	• Energy Equity Roadmap draft recommendations	Council: • Energy Equity Roadmap draft recommendations • National Clean Energy Month Proclamation Public Meetings:
November	• IgCC Status Report	Council: Public Meetings:
December		Council: • WSS IgCC Voluntary Program Update Public Meetings: