

PUBLIC MEETING AGENDA

Sustainability & Resilience Commission

MEETING DATE

Monday, October 21, 2024
4:30 pm – 6:00 pm

MEETING LOCATION

Don Cassano Room
Tempe Transportation Center
200 E 5th Street
Tempe, AZ 85281
[Virtual Link for the Public:](#)
Meeting ID: 217 680 508 212
Passcode: axwEy9
Dial in by phone
+1 480-498-8745,,750057568# United States, Phoenix
Find a local number
Phone conference ID: 750 057 568#

AGENDA ITEM	PRESENTER	ACTION or DISCUSSION
1. Welcome, Introduce New Commissioner	Shawn Swisher, Chair (4:30 – 4:35 pm)	
2. Public Appearances The Sustainability Commission welcomes public comments for items listed on this agenda. There is a <i>three-minute time limit</i> 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 September 16, 2024 meeting.	Shawn Swisher, Chair (4:35 – 4:37 pm)	Action
4. Accessory Dwelling Units Update	Ryan Levesque, Deputy Community Development Director Lucas Jensen, Planner II (4:37 – 5:00 pm)	Discussion
5. Rain 2 Roots Program Update	Brianne Fisher, Climate Action Manager (5:00 – 5:30pm)	Discussion
6. Sustainability and Resilience Commission Annual Report Discussion	Brianne Fisher, Climate Action Manager (5:30 – 5:35)	Discussion
7. Retreat After Action Report and Commission Champions	Shawn Swisher, Chair (5:35-5:40)	
8. Sustainability and Resilience Commission Dates of Interest Calendar	Brianne Fisher, Climate Action Manager (5:40pm-5:45pm)	Discussion
9. Sustainability and Resilience Office Updates and Housekeeping	Eric Iwersen, Transportation and Sustainability Director (5:45 – 5:55 pm)	Discussion
10. Future Agenda Items - Commission may request future agenda items.	Shawn Swisher, Chair (5:55 – 6:00pm)	Action

According to the Arizona Open Meeting Law, the Sustainability Commission may only discuss matters listed on the agenda. The City of Tempe endeavors to make all public meetings accessible to persons with disabilities. With 48 hours advance notice, special assistance is available at public meetings for sight and/or hearing-impaired persons. Please call 350-2775 (voice) or 350-8400 (TDD) to request an a



Minutes

City of Tempe Sustainability Commission September 16, 2024

Minutes of the Tempe Sustainability Commission meeting held on Monday, September 16, 2024, 4:30 p.m. virtual meeting option at the Tempe Transportation Center, Don Cassano Community Room, 200 E. 5th Street, Tempe, Arizona.

(MEMBERS) Present:

Shawn Swisher (Chair)
Barbie Burke
Jake Swanson
Melissa Harlan

Ben Paulat
Joshua Randall
Jacob Bethem

(MEMBERS) Absent:

Morgan Winburn
Erin Boyd (Vice Chair)

City Staff Present:

Eric Iwersen
Brianna Fisher
Diana Kaminski
Carla Sidi

Guests Present:

Matt Nahlik

Agenda Item 1 – Welcome, Introduce New Commissioner and SRC Mission

Chair Swisher called the meeting to order at 4:40 p.m.

Chair Swisher introduced a new Commissioner, Melissa Harlan, representing small business.

Melissa introduced herself, briefed the Commission about her businesses, and how she has adopted some Sustainability initiatives and implemented them.

Agenda Item 2 – Public Appearances

Matt Nahlik suggested the Commission review the virtual link for future meetings.

Agenda Item 3 – Review of Meeting Minutes

The minutes of the August 19, 2024, meeting were accepted.

Motion: Ben Paulat

Second: Jake Swanson

Voted to Approve: 7-0

Agenda Item 4 – Proposed Zoning Code Test Amendment for Engineering Shade

Diana Kaminsky, Community Development Principal Planner, presented the Proposed Code Text Amendment for Accessory Buildings and Structures to provide Engineered Shade for single family houses. The performance measure in the Sustainability Growth and Development section of the city objectives is to increase shade canopy coverage both from trees and engineering shade canopies up to 25% by 2040.

The current code primarily addresses backyard structures. The proposed code will allow an exception to accessory instructions for the purpose of providing one permanent shade structure over driveways. These Engineered shades will require a building permit meeting structural standards for wind load.

The requirements for primary parking on individual lots and allowance for parking in the driveway, as your primary parking, with a use permit will be the same. Along with any modifications to residences that increase the number of bedrooms above 5 bedrooms requiring a third parking space.

The Neighborhood Advisory Commission requested a requirement for a use permit for front yard engineered shade ne include since they don't regulate design for single family homes.

The first hearing will be at the Development Review Commission on October 8th. Next, two City Council hearings in November and December.

Questions:

- Commissioner Bethem asked if this structure could collect rainwater harvesting. Diana Kaminsky, Community Development Principal Planner, explained the homeowner would decide it since they don't regulate the design for single family houses.

- Chair Swisher mentioned a list with smart different materials that would improve the heat island impact of a canopy could be offered. Or vegetated shade too like planting some trees instead? He mentioned perforated corrugated metal, or aluminum mill finish material that could get some of the UV rays and provide ventilation. Diana Kaminsky, Community Development Principal Planner, explained other forms of shades attached to the house has the setback of the zoning code, and the Neighborhood Grant Program offers tree to be planted in the front yard, planning doesn't regulate single family house and design.

Agenda Item 5 – Sustainability and Resilience Commission Dates of Interest Calendar

Brianna Fisher, Climate Action Manager, shared the calendar events with the Commission. She highlighted some upcoming events the Commissioners could attend according to their interest and pointed to the column with the Commission future agenda items. She also added links for future Council meetings that could virtually be attended it.

Agenda Item 6 – Retreat August 2024 – After Action Report

Chair Swisher explained during the retreat the Commissioners highlighted the next action items the Sustainability & Resilience Commission needs to focus on, and different actions were also identified that ownership should be taken.

- Urban Cooling -Chair Swisher lead
- Transportation Master Plan – Commissioner Swanson Lead, Vice Chair Boyd Co-lead
- Energy Equity/Resilient Energy Hub – Commissioner Paulat Lead, Commissioner Swanson Co-lead, Commissioner Bethem

Brianne Fisher, Climate Action Manager, explained Informal communication is allowed, as long as, there is not a quorum created. It couldn't be a WhatsApp group with all the Commissioners, but it could be a WhatsApp group with Shawn, Jake and Brianne discussing strategy approach. Also, Commissioners could ask one another to take his/her place at certain meetings.

Chair Swisher encouraged Commissioners to look for upcoming meeting dates from the calendar Brianne shared that may require some Action Council meeting. He also asked the Commissioners to review the retreat list, and at the next meeting in October, choose which ones they could collaborate on.

Agenda Item 7 – Sustainability and Resilience Office Updates and Housekeeping

Eric Iwersen, Transportation and Sustainability Director mentioned the Transportation Commission voted on having a joined Transportation and Sustainability Resilience Commission Meeting on March 2025 to talk about the Transportation Masterplan. There are also a few public meetings for the City Bonds elections. Tempe residents will be voting on three main categories of projects in Tempe: Acceleration of Pavement Streets, Affordable Housing and Historic Preservation.

Agenda Item 8 – Future Agenda Item

Chair Swisher suggested following up on retreat outcomes, reviewing assignment and doing a check in with the leads on the action's items. Maybe add this as a standard item

Chair Swisher motions to adjourn the meeting at 5:24 p.m.

Motion: Chair Paulat

Second: Commissioner Burke

The meeting was adjourned at 5:25pm.

Prepared by: Carla Sidi
Reviewed by:

DRAFT

Pre-approved ADU Plan & Design Competition

Sustainability and Resilience Commission

October 21, 2024





Presentation Overview

- Objectives
- ADU Code Text Amendment (in progress)
- Background Research on Pre-approved ADU Plans
- ADU Plans RFP & Competition Overview
- Tentative Timeline



Source: Morgan Taylor Homes



Objectives of the Competition for Pre-approved ADU



Objectives

1. **Create a library** of pre-approved ADU plans for Tempe to facilitate new ADU development.
2. **Reduce barriers** to ADU construction.
3. **Create connections** between architecture and design firms, community members, and homeowners.
4. **Promote innovative, high-quality design.**





City Council Priorities



- Performance Measure 2.15: Feeling Invited to Participate in City Decisions



- Performance Measure 3.28: Ending Homelessness
- Performance Measure 3.30: Age-Friendly Community Designation



- Performance Measure 4.09: Achieve a Housing Inventory Ratio

ADU Code Text Amendment





ADU Code Text Amendment

- HB2720 requires all cities (>75,000 pop.) to adopt ADU regulations by January 1, 2025.
- Staff has been working on this topic for more than one year, has conducted an extensive public outreach, and followed adoption process for the code text.
- The second and final City Council hearing for Tempe's code text amendment is scheduled for **November 21, 2024.**



State Req. Included in Draft Ordinance

Municipality must:

- Allow one (1) attached, AND one (1) detached ADU where single-family dwellings are a permitted use.
- Allow one (1) additional ADU on lots 1 acre or more as a “income restricted-affordable unit” (available only to household earning 80% or less of AMI).
- Allow an ADU with 1,000 sf., or with an area that is 75% of the gross floor area of the main residence, whichever is less.

*3rd ADU
1 acre lot, with restricted-
affordable unit*





State Requirements (cont.)

A Municipality **may not** do any of the following:

- Require additional parking, or any fees to waive additional parking requirement;
- Require the ADU to match the exterior design, roof pitch, or materials of the single-family dwelling on site
- Set restrictions that are more restrictive than those for the single-family dwellings regarding height, setbacks, lot size/coverage, or building frontage;
- Set rear or side setbacks that are more than 5 feet from the property line.



Tempe Requirements Included in Draft Ordinance

- For lots 1 acre or more, an ADU shall not exceed 2,000 sq. ft. in floor area, or which is more than 75% of the main residence.
- No more than 3 bedrooms are permitted in an ADU with a floor area up to 1,000 sq. ft.
- An ADU shall provide its own sleeping and sanitation facilities (shower/tub, toilet, and sink) and include cooking facilities.
- Alternative construction types are allowed subject to meeting applicable building code requirements.

Background Research related to Pre-approved ADU Plans

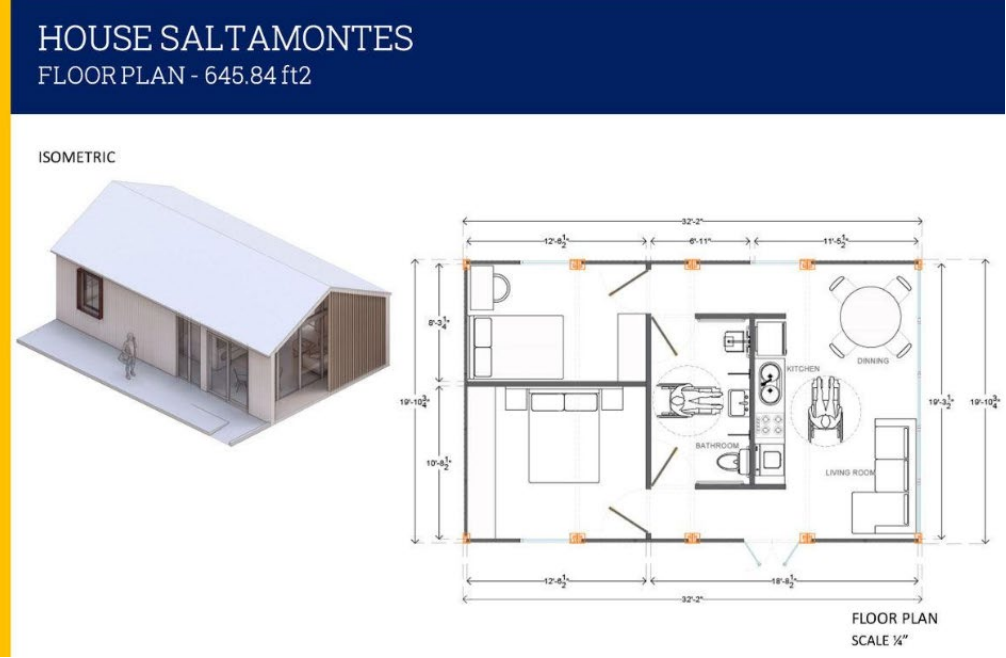




Background Research

Staff has conducted research related to the following.

- Pre-reviewed architectural plans for ADUs to expedite the permitting process
- Hosting pre-approved ADU plans on the jurisdiction's website for purchase by an owner from a private design firm. Plan costs range from \$500 to \$1,200
- Pre-approval is for Building Code only; an application will still need a site plan that meets other city requirements (zoning, setbacks, utilities, etc.)
- Reviewed Phoenix, Tucson, and Seattle for more details on the evaluation criteria for pre-approved ADU plans.



Source: Tucson.com

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

Example Cities Processes

- Limited the cost of plans via submittal agreement.
- Designers submitted under specific categories (small, sustainable, and accessible ADUs, etc.).
- Review and selection by an independent jury.
- Specific review/evaluation criteria.
- Prize money awarded to selected winners in some cases.
- Selected designs review for “pre-approval” and featured in a plan library.

Example Criteria

- Aesthetics, Exterior Design, or Architecture
- Affordability/ Cost
- Contextual Integration
- Broad Applicability
- Sustainability/Green Building Design
- Architectural Variety
- Privacy
- Accessibility/Universal Design
- Feasibility/Constructability
- Innovative Construction/Design
- Public Survey

Proposed Tempe RFP Overview



Competition Overview

- Up to 10 ADU plans will be selected for review by the City to be featured in Tempe's pre-approved ADU plan library.
- Plan review fees may be waived for the pre-approved plans.
- Submitted plans will be evaluated by an independent jury according to pre-agreed design/evaluation criteria.
- Pre-approved plans will be featured on a dashboard to connect Tempe residents to “pre-approved” designs.

Benefits for Designers

- Reduced or waived fees for construction document review.
- Featured on the city's pre-approved ADU plan webpage.

Benefits for Homeowners

- Reduce time and cost for building an ADU.
- Provide “one stop shop” for ADU resources.

Benefits for the City

- Reduce time reviewing plans for an ADU.
- Help increase housing stock.
- Retain and improve neighborhood aesthetics with high-quality ADU designs.

Proposed Evaluation Process/Criteria

Consists of six (6) categories including resident survey results for a total of **120 points** possible.

- Aesthetics & Architecture (20 pts)
- Affordability (20 pts)
- Sustainability (20 pts)
- Context & Versatility (20 pts)
- Accessibility (20 pts)
- Public Voting (20 pts)



Five (5) bonus points will be awarded to designs for each category that scores a perfect 20. The intent is to reward design the emphasizes one category at the expense of another.



Aesthetics & Architecture (20pts)

To achieve the goal of providing innovative, high-quality design, submittals will be evaluated based on the aesthetic appeal and quality of their design.

This can be demonstrated by:

- Design that is compatible with a variety of existing architectural styles
- Design that incorporates quality materials
- Design that reflects the design principles in Tempe's Character Area Plans and other plans





Affordability (20pts)

To achieve the goal of providing affordable rental in Tempe and support multi-generational living, submittals will be evaluated also by their cost effectiveness. Submittals will include cost estimates.

This can be demonstrated by:

- Simplicity of the design
- Design that uses affordable construction materials
- Innovative, cost-saving construction methods



Sustainability (20pts)

To achieve the city-wide sustainability goals, submittals will be evaluated by the sustainability of the overall design and construction.

This can be demonstrated by:

- Design that includes green building design and construction principles
- Design that incorporates passive heating and/or cooling methods
- Design that incorporates sustainable building materials



Context & Versatility (20pts)

To achieve the goal of providing Tempe homeowners with a variety of options for ADUs, submittals will be evaluated for contextual compatibility with existing architectural styles, and the plan's flexibility to suit different building lot configurations.

This can be demonstrated by:

- Design that fits on multiple lot sizes, shapes, location, etc.
- Design that is compatible with a variety of architectural styles
- Design that considers privacy of neighbors



Accessibility (20pts)

To achieve the goal of becoming an age-friendly community designation and supporting multi-generational household, submittals will be evaluated based on the overall accessibility of the design.

This can be demonstrated by design that:

- Include floor space to allow maneuvering areas for those with mobility devices
- Incorporate universal design features (wide door and hallways, ramped entry, variable counter heights, etc.)



Public Voting (20pts)

To ensure that public input is incorporated into the decision-making process, a public survey will be open for two weeks for residents and community members to vote on different ADU plans.

- Public Survey featuring the narrative and materials provided by the designer
- Jury will use public voting as one of the evaluation criteria
- May host an in-person open house for community member to view and discuss submittals with the design team



Tentative Timeline

- January 13 – Submittal Period Opens
- January 6 – Q & A, Virtual and In-Person
- February 28 – Submittal Period Closes
- March 10 – Public Voting Begins
- March 24 – Public Voting Closes
- April – Winners Notified
- April/May – Selected Designs Submit for Standard Plan approval
- July/August – Designs featured in Standard Plan Library



Primary Staff Contacts

PLANNING

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

NEIGHBORHOOD SERVICES

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

Rain to Roots Update Codes and Standards

Brianne Fisher, Climate Action Manager
October 21, 2024





Rain to Roots Overview

Benefits of GSI:

- Supports tree canopy
- Reduces temperatures
- Reduces potable water use
- Mitigates flooding
- Promotes cleaner waterways
- Creates wildlife habitat

Learn more about GSI and its benefits at Sustainable Tempe – [Green Stormwater Infrastructure](#).





Rain to Roots Master Plan

Project Purpose

- Expand green infrastructure & urban cooling initiatives.
- Promote cross-departmental coordination & planning.
- Identify opportunities for long-term funding.

Areas of Opportunity

- City of Tempe operates and maintains
 - Streetscapes – Public ROW, traffic calming
 - Multi-Use Paths
 - Parks
- Private Development
- Neighborhoods





Rain to Roots Master Plan Overview



Introduction to
Codes & Standards
in the City of Tempe





Codes and Standards Overview

Codes	Standards
<ul style="list-style-type: none">• Describe what needs to be done to protect health & safety.• Outline requirements, practices, and regulations.• Can be adopted into law (ex: Zoning & Development Code).	<ul style="list-style-type: none">• Describe how to implement a code to ensure compliance.• Outline technical definitions, specifications, and guidelines.• Are widely accepted and followed (ex: Engineering Design Standards).



Codes & Standards Overview - Code Example

Excerpt from the COT Zoning & Development Code

Describes **what** needs to be done. (*ex: requiring adequate on-site storage & drainage infrastructure*).

Sec. 12-86. - On-site storage and drainage infrastructure.



- (a) On-site storage and drainage infrastructure may be provided in any of the following ways:
 - (1) Individual storage and drainage infrastructure; or
 - (2) Central storage and drainage infrastructure; or
 - (3) Combination storage and drainage infrastructure.
- (b) Individual storage and drainage infrastructure shall consist of providing and maintaining adequate storage volume and drainage infrastructure for the design storm on a lot, plot or parcel of land for all water falling on the lot, plot or parcel of land. Storage volume shall also be provided for adjacent streets and alleys, except for arterial streets. In single-family residential zones, the maximum depth of water in the storage area at design storm shall be eight (8) inches, unless otherwise approved by the Engineering and Transportation Director, Community Development Director or designee. In all other zoning categories, the maximum depth of water at design storm shall be three (3) feet.



Codes & Standards Overview - Standards Example

Excerpt from the COT Engineering Design Criteria

Describes **how** it needs to be done. (*ex: calculating volume retention requirements*).

Drainage Design Criteria and Requirements: The following is the Drainage Design Criteria and Requirements for improvements or renovations on Existing Single-Family Residential lots. New Residential Subdivisions, New Single Family Lot Development, Commercial Developments and Industrial Developments shall be designed in accordance with the "Drainage Design Criteria and Requirements" section of this manual.

There are two methods accepted by the Engineering Division for calculating required retention volume for improvements to single-family homes. Both methods use the following formula:

$$V = (P \div 12) * A * C$$

V = Volume required to retain (cubic feet)

P = Precipitation Depth (in inches) of storm water required to be retained

A = Total area of lot (in square feet) plus any additionally required areas. For some subdivisions, the additionally required areas include one-half of the street fronting onto the lot.

C = Coefficient of Non-Absorption

METHOD 1: Tempe's standard method of calculating onsite storm water retention uses the formula above with the following data:

Where,

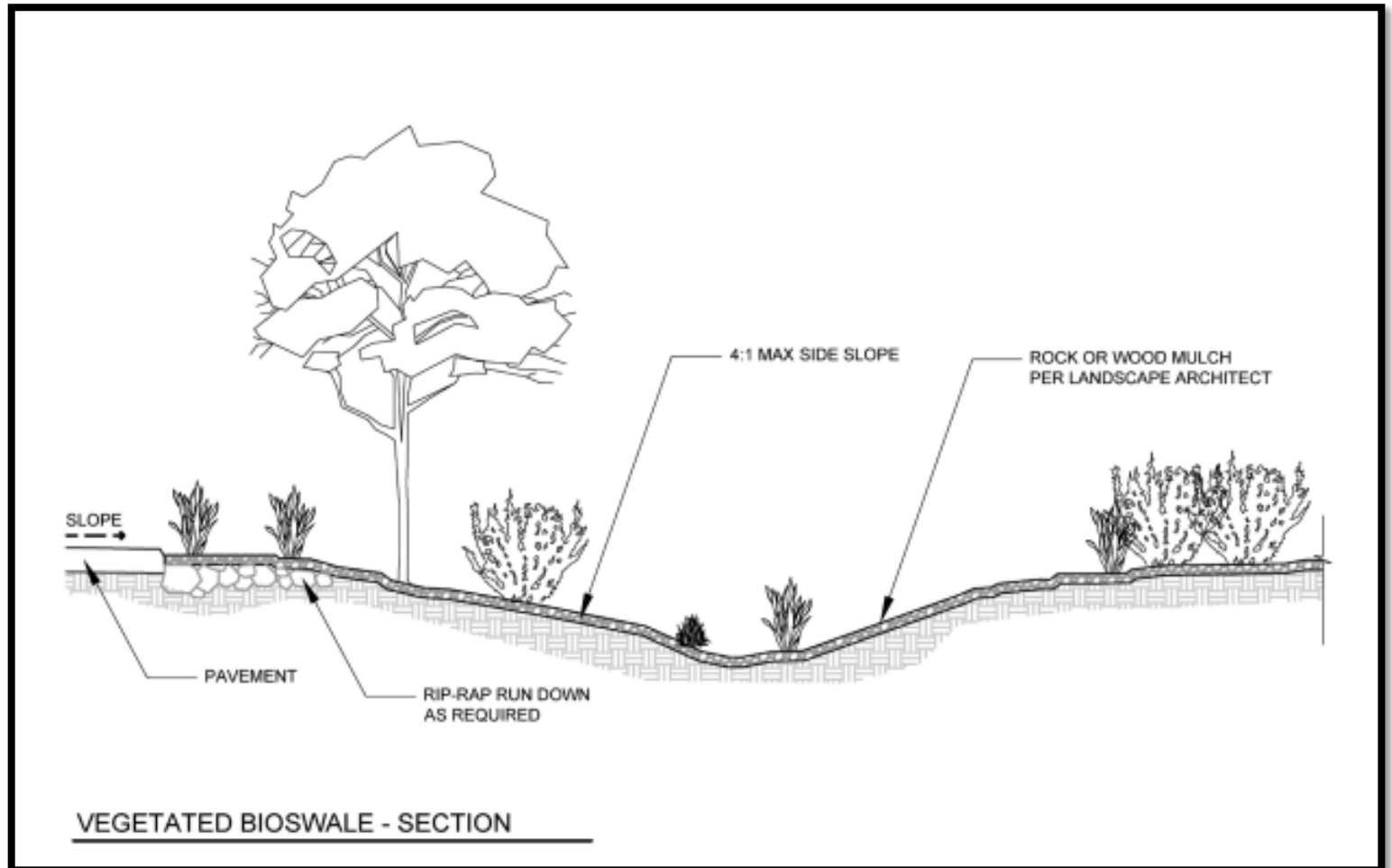
P = 2.4 inches (based on the 100-year, 1-hour storm event)

C = 0.95

$$V = (2.4 \div 12) * A * (0.95)$$

Detail from the Low Impact Development Toolkit

Depicts **how** it needs to be done (*ex: visual depiction of vegetation bioswale*).



Current State of
Codes & Standards
in the City of Tempe





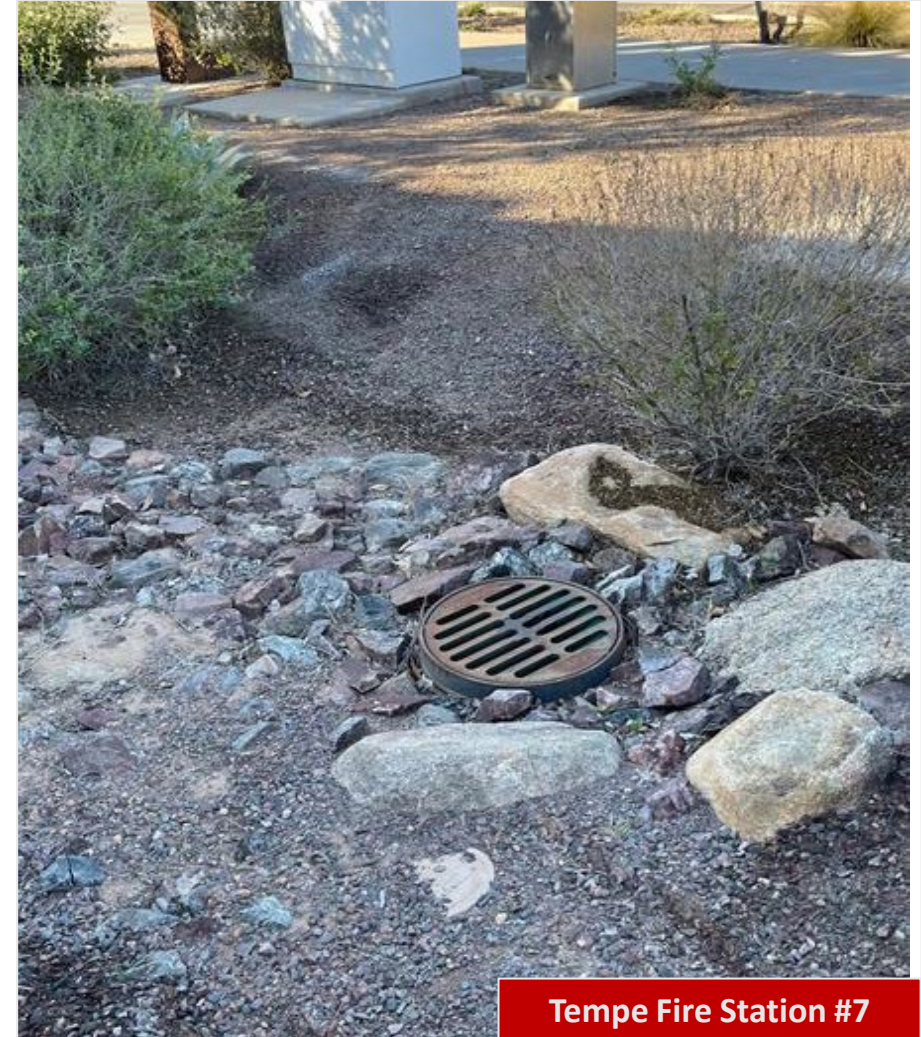
Codes & Standards Overview – Detail Example

Assessment:

Conducted Staff Interviews
Reviewed Engineering Design Criteria
Review Zoning & Development Code

Goals:

Provide Guidance for Integrating GSI
Address Existing Maintenance & Utility Challenges
Streamline GSI Review Process



Tempe Fire Station #7



Codes & Standards Overview – Zoning & Development Code

What are the major findings?

- **Currently, there is no mention of GSI in the ZDC.**
- Shade is emphasized as a necessity, but the ZDC doesn't address challenges faced by urban street trees.
- Code requires that developments retain a 100-year, 1-hour storm on the property; stormwater must drain within 36 hours.

Why are these findings relevant?

- GSI can support the long-term health of trees, making it a key strategy for achieving outlined canopy goals.
- GSI could be used as an alternative to other stormwater retention methods, helping to meet on-site retention requirements.



Codes & Standards Overview – Engineering Design Criteria

Outlined Stormwater Management Guidelines:

- **GSI is mentioned, but not strongly encouraged.**
- Drywells are prescribed in most cases.
- Drainage Reports required for all commercial & multi-family.
- Prescribed basin depths & slopes (3ft water depth, 4:1 side slopes).

Why are these findings relevant?

- Drainage Reports could describe the retention provided by GSI features.
- Existing retention and infiltration calculations could be modified for GSI.
- Basin slopes and depths may need to be modified for GSI features.

Mountain Park Health Center

BIOSWALES

INTENT

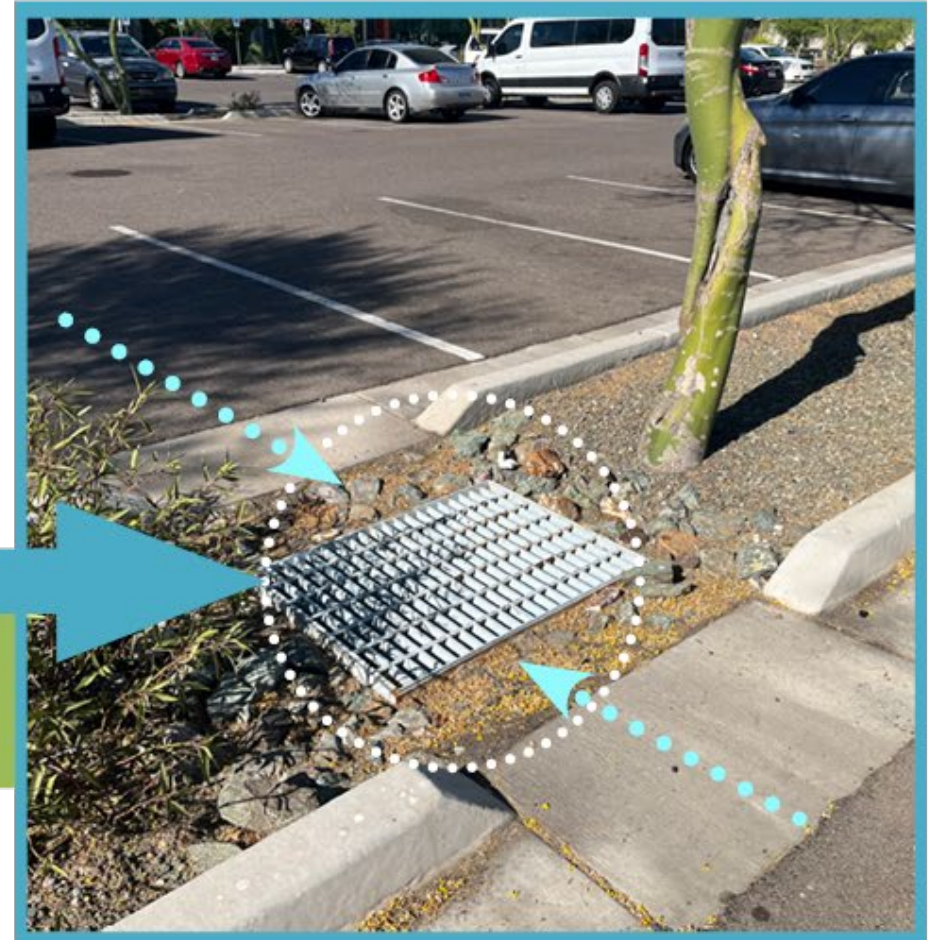
- Curb cuts will lead water from parking lot into planters
- Trees and landscape will mature with the additional water, providing more shade for the parking lot

APPLICATION

- Planting beds are higher than entry point of water
- Storm drain is at the lowest point of bioswale so no water is retained
- Parking lot grading is in conflict with GSI feature

GSI CHALLENGE

Water is not held in planters and instead fed into storm drain



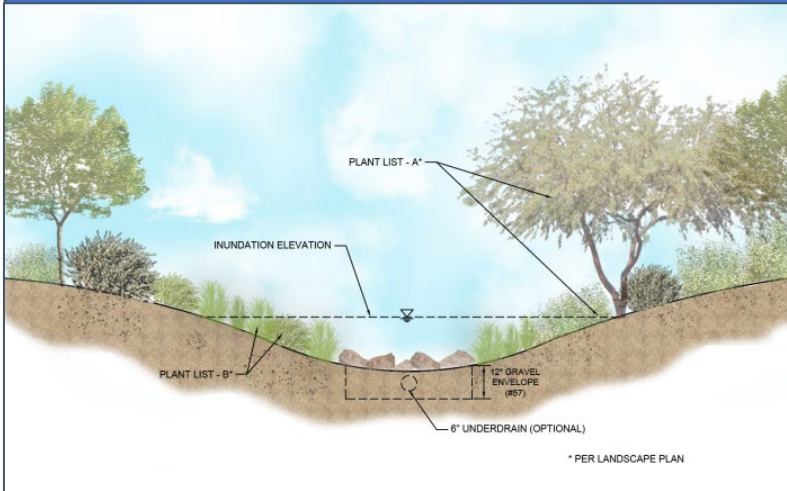
Codes & Standards
Proposed by
Rain to Roots
Master Plan



Proposed Codes & Standards

Identified Areas of Intervention

Promoting GSI



Tree Protection



Landscape Code & Maintenance





Proposed Codes & Standards

Promoting GSI	Tree Protection	Landscape Code & Maintenance
<ul style="list-style-type: none">• Onsite GSI Requirements• Construction Details• Drywells• Onsite Stormwater Credit	<ul style="list-style-type: none">• Required Tree Protection Plan• Tree Replacement Standards• Tree Removal Permit• Tree Protection Bond	<ul style="list-style-type: none">• Tree Root Zone Requirements• Landscape Maintenance Best Practices & Requirements• Landscape Code Amendments



Codes and Standards: Promoting GSI

Current Codes & Standards	Proposed Codes & Standards	Details
GSI is mentioned, but it is not required.	Onsite GSI Requirements	Require that sites utilize on-site GSI to achieve % of stormwater retention.
Standards reference Mesa's LID Toolkit (no Tempe-specific details).	Construction Details	Adapt existing details & develop new details (root zone requirements, mulch planting distance from utilities)
Drywells are prescribed in most cases.	Drywells	Don't require drywells; encourage other GSI methods.
GSI does not count toward onsite retention calculations.	Onsite Stormwater Credits	Give credit for the volume of stormwater captured through GSI toward retention calculations.



Codes & Standards: Tree Protection

Current Codes & Standards	Proposed Codes & Standards	Details
Required on COT parks projects, not other city or commercial projects.	Tree Protection Plan	Inventory existing trees on development site & develop strategy for preserving them during construction.
Commercial properties are required to replace dead trees; need to alter the landscape plan to plant a different species.	Tree Replacement Standards	Develop a standard replacement formula for removing existing trees (based on size, species, condition).
No current codes/standards.	Tree Removal Permit	Pay a permit fee (based on tree size) to remove an existing tree, with restrictions against removing large & significant trees.
No current codes/standards.	Tree Protection Bond	Developer pays bond for preserved and salvaged trees on a development site, with release dependent on tree success.



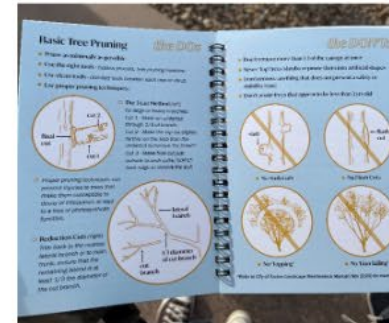
Codes & Standards: **Landscape Code & Maintenance**

Current Codes & Standards	Proposed Codes & Standards	Details
No current root zone requirements.	Tree Root Zone Requirements	Establish a minimum soil volume based on tree size and planting location.
Required maintenance practices for public landscapes.	Landscape Maintenance Best Practices	Promote national, arborist-approved best practices related to tree pruning and landscape care for public and private land.
Trees are spaced by a standard linear foot distance (<i>ex: 1 tree per 30 linear feet</i>).	Landscape Code Amendments	<ul style="list-style-type: none">• Adjust tree spacing guidelines, focusing on shading pedestrian walkways.• Update the approved plant list.• Encourage the use of organic mulch.
Dead plants must be replaced; a lack of maintenance can result in a code violation.	Landscape Maintenance Requirements	Develop and enforce maintenance requirements that cite specific pruning & care practices. Apply a per-tree fee for incorrect tree maintenance via code enforcement.



Next Steps

- Continue developing Codes & Standards
- Stakeholder meeting with Development community January 2025
- Public Meetings Spring 2025
- Council approval of Rain to Roots Master Plan April 2025
 - Administrative adoption of Standards
 - Council adoption of Codes



SUSTAINABILITY COMMISSION 2023 ANNUAL REPORT -



Description as Defined in Ordinance:

The Tempe sustainability commission shall have the following powers and duties:

(1) To research, advise, and recommend to the city council policies and programs that advance sustainability in Tempe, with particular attention to sustainability in the following areas:

- a. Energy management (city operations and the city as a whole);
- b. Climate-action plan with a roadmap of actions to be recommended;
- c. Local food and agriculture;
- d. Livable neighborhoods and happy communities;
- e. Land use and development;
- f. Building practices;
- g. Purchasing practices;
- h. Economic development (green jobs);
- i. Solid waste, recycling, and hazardous waste;
- j. Water and wastewater management;
- k. Transportation;
- l. Dark skies;
- m. Air quality;
- n. Environmental justice; and as of June 2015
- o. Preparedness and resiliency.

(2) Assist city departments in executing approved policies and programs;

(3) To support education and outreach related to the city's sustainability practices;

(4) To identify potential sustainability partnerships with public, private and educational entities; and

(5) To recommend for city council consideration a comprehensive sustainability plan with measurable goals and benchmarks to ensure year-to-year progress. (Ord. No. O2015.24, 6-25-15)

TCC § {City Code, Chapter 2, Article V, Division 21 }

List of Board and Commission Members, Including Attendance and Service Dates:

<u>Board/Commission Members:</u>	<u>Service Dates:</u>	<u>Attendance Record:</u>
Kendon, Jung	12/31/2023	Attended 09 Meetings out of 11
Winburn, Morgan	12/31/2024	Attended 10 Meetings out of 11
Swisher, Shawn	12/31/2023	Attended 11 Meetings out of 11
Boyd, Erin	12/31/2024	Attended 08 Meetings out of 11
Burke, Barbie	12/31/2022	Attended 11 Meetings out of 11
Mendoza, Natalie	12/31/2022	Attended 09 Meetings out of 11
Brundiers, Katja	12/31/2023	Attended 10 Meetings out of 11
Swanson, Jake	12/31/2023	Attended 09 Meetings out of 11
Randall, Joshua	9/01/2023	Attended 02 Meetings out of 02
Paulat, Ben	9/1/2023	Attended 02 Meetings out of 02
Conley, Taylor	9/1/2023	Attended 02 Meetings out of 02

Name of Chair and Vice Chair:

- Chair – Kendon Jung
- Vice Chair – Barbie Burke

Staff Liaisons and Contact Information:

<u>Staff Liaison:</u>	<u>Department:</u>	<u>Phone:</u>	<u>Email:</u>
Brianne Fisher	Office of Sustainability	480-350-8959	Brianne_fisher@tempe.gov

Meeting Frequency and Location:

Meetings in 2023 were virtual via Microsoft Teams. Meetings are typically held the third Monday of the month at 4:30 p.m.

Number of Meetings Cancelled and Reason for Cancellation:

July meeting was cancelled for summer vacation.

Vacancies and Duration of Vacancies:

Three vacancies occurred partly through 2023 with positions being filled in September 2023.

Subcommittee and Subcommittee Activity:

Did the Board/Commission have any subcommittees active during the reporting period? YES NO

Mission Statement:

The mission statement of the Sustainability Commission is to be a culture-catalyst to provide leadership, education, and guidance on sustainability programs and policies to City Council and for our entire community to transform Tempe into a healthy and resilient city that inspires the region, the nation and world.

Accomplishments (Past 12 Months):

Since the passing of Tempe's first Climate Action Plan (CAP) in November 2019, the Sustainability Commission has been working with staff to guide the implementation of the highlight actions outlined in the Climate Action Plan Update including: resilient energy hubs, transportation demand management, green infrastructure standards and the adoption of the international green construction code.

CAP Highlight Actions:

The Sustainability and Resilience Commission organized and supported the first design competition in partnership with American Institute of Architects - Phoenix Metro and the American Society of Landscape Architects – Arizona Chapter. The goal of the competition was to be able to show the transformative possibilities of the Climate Action Plan through physical interventions of architecture, landscape architecture, and mater planning, ensuring the City and its residents will have a greater understanding of the potential impacts of Green Codes, Green Stormwater Infrastructure, and Resilient Energy Hubs. The competition provided winners with a monetary prize and the City of Tempe hosted an awards ceremony at the Tempe Center for the Arts. The Commission will continue to discuss how to use the winning designs can educate, visualize, and push for innovative city planning.

Sustainability and Resilience Office staff worked with Building Safety, Community Development to move the voluntary 2018 International Green Construction Code initiative forward. The Commission was provided several presentations and provided a letter of support outlining the importance of this work and the necessity of an incremental approach to updating the building code, specifically creating a culture in the development sector to support the cities vision for sustainable built environment. The Commission also advocates sustainability and resilience elements to be included in citywide planning, policy, and infrastructure.

General Plan 2050:

The Commission was active in supporting the approval of the General Plan 2050. Commission Shawn Swisher and Chair Kendon Jung were active members of the stakeholder group that meet regularly to get updates on individual chapters.

The Commission provided a letter of support to the Development Review Commission and attended their meeting in person to speak to the points outlined in the letter. Additionally, meetings with individual members of Council were held prior to the General Plan 2050 vote going to Council. The Commission's active participation led to stronger language in the General Plan and approval by Council.

Other:

The Commission voted to approve changes to City Code Chapter 2, Article V, Division 21 – updating the composition of the membership to the Sustainability and Resilience Commission. The new recommendations allow for all of the eleven seats to be less specific expertise to allow for additional diversity of perspectives amongst the Commission.

Goals Related to City Council Strategic Priorities, if Applicable (Next 12 Months):

Climate Action Policy

The Commission seeks to support Mayor, Council and city staff in passing climate action policy, programs and infrastructure that moves forward the implementation of the Climate Action Plan and more specifically, focusing their efforts on progress towards the three highlight actions in the Climate Action Plan Update including:

- Resilient Energy Hubs and Resilience Hubs
 - Support staff and stakeholders on Resilience Hub master planning and the development of a community network including sharing public meeting and providing feedback on approach.
- Transportation Demand Management and Mobility Hubs
 - In partnership with business organizations such as the Chamber of Commerce and Downtown Tempe Authority, find private-public partnerships that help communicate and advocate the goals of improved transportation systems and policies.
- Rain to Roots (green stormwater infrastructure)
 - Support, participate and provide direction to staff in regard to elements of the Rain to Roots master planning, specifically updating engineering standards and private development codes, and the utility feasibility study.
- International Green Construction Code Implementation Updates
 - Receive updates from staff about the use of the voluntary code including the metrics, costs, and challenges.

Sustainable Sources of Funding

- Advise and support the Office's initiatives on federal funding that support the goals in Climate Action Plan and bring to life new and innovative partnerships.
- Advocate and support the development for dedicated funding to support the office's programs, infrastructure, and policies.

More consistent communication and joint activity with Council and other Commissions

The Sustainability Commission is dedicated to more consistently coordinating with Mayor and Council and other Commissions. The Commission fully supports the creation of a Council Committee on Carbon Neutrality and Resilience that would include emissions reductions in transportation, energy, water conservation, resilience to extreme heat and urban forestry.

Purpose:

Commissioners will select Leads, and potentially Co-Leads, to support the synthesized actions that support Climate Action Plan (CAP) Highlight Actions, as discussed during the August 2024.

Background:

During the August 2024 retreat, staff presented an overview and timeline of CAP Highlight Actions including Green Codes and Standards (now referred to as Urban Cooling, Transportation Demand Management/Mobility Hubs (now referred to as Transportation Master Plan), and Resilient Energy Hubs. Commissioners brainstormed interventions that the Commission could take action on to support the Highlight Actions. On the September 16 Commission meeting, members volunteered to be a “champion” responsible for implementing and reporting on actions taken in future Commission meetings.

CAP Highlight Action Discussion:

1. Urban Cooling

- Attend your own neighborhood meeting to discuss R2R program/invite staff to discuss program at neighborhood meeting
- Communication plan for social media showcasing examples of GSI throughout the city
- Council member tours of business or design professionals
- Letter of support before going to Council
- Incorporate financial risk/cost-benefit of policy interventions

Commission Champion:

- Shawn Swisher, Chair

2. Transportation Master Plan

- Connect with local bike advocacy groups and Care Free Coalition to understand their points of view
- Inquire city staff and bike advocacy groups on transportation/commuter data for Tempe
- Inquire on volunteering/supporting cities efforts to engage large employers on existing rideshare programs

Commission Champion:

- Jake Swanson
- Erin Boyd

3. Energy Equity/Resilient Energy Hub

- Engage Council members to host their monthly events at Resilience Hubs to highlight space and bring more attention to them.
- Create a connection with new emergency manager, ensure Sustainability staff is part of the hiring process for that position.
- Support the research through expertise areas on the economic impact/likelihood of power outage, and how disaster recovery investments can pay off
- Use Commissioners connections to NGO, non-profits, various organizations to host events and use resilience hub spaces in new ways

Commission Champion:

- Ben Paulet
- Jacob Bethem
- Jake Swanson

Month	SRC Agenda	City of Tempe Calendar
January	<ul style="list-style-type: none"> Energy Equity Roadmap 	<p><u>Council:</u></p> <ul style="list-style-type: none"> January 30 - Solid Waste Program and Landfill Diversion January 31 - Council Retreat <p><u>Public Meetings:</u></p> <ul style="list-style-type: none"> January 14 Energy Equity Roadmap TBD: Urban Cooling Developer Forum
February	<ul style="list-style-type: none"> Urban Cooling Policy Recommendations Vision Zero Update 	<p><u>Council:</u></p> <p>Feb., 24 - Energy Equity Roadmap</p> <p>Feb. 24 - 5 Year CIP Requests and Long Range Financial Forecast</p> <p><u>Public Meetings:</u></p>
March	<p>JOINT: Meeting with Transportation Commission (tentative) (March 17)</p> <ol style="list-style-type: none"> Transportation Plan & Transportation Equity 	<p><u>Council:</u></p> <p><u>Public Meetings:</u></p> <ul style="list-style-type: none"> TBD: Urban Cooling Policy Recommendations
April		<p><u>Council:</u></p> <ul style="list-style-type: none"> April 24 Urban Cooling Policy Recommendations <p><u>Public Meetings/Events:</u></p> <ul style="list-style-type: none"> EARTH MONTH CALENDAR
May		<p><u>Council:</u></p> <ul style="list-style-type: none"> May 19 - Joint DRC Meeting <p><u>Public Meetings:</u></p>
June		<p><u>Council:</u></p> <p><u>Public Meetings:</u></p>
July		<p><u>Council:</u></p>

		<u>Public Meetings:</u>
August		<u>Council:</u> <u>Public Meetings:</u>
September	<ul style="list-style-type: none"> • Com Dev - Planning Residential Shade Code • Commissioner Calendar • Retreat Follow Up <p>Sept 19th new Commission Appt</p>	<u>Council:</u> <u>Public Meetings:</u>
October	<ul style="list-style-type: none"> • ADU - Ryan Levesque Planning • Rain 2 Roots Codes and Standards Update • Commissioner Assignments • Annual Report 	<u>Council:</u> <ul style="list-style-type: none"> • Oct 1 - National Clean Energy Month Proclamation • Oct 10 - Federal and Legislative Principles • Oct 29 - Joint DRC Meeting <u>Public Meetings:</u> <ul style="list-style-type: none"> • Oct 10 GAIN
November	<ul style="list-style-type: none"> • Growing Together Grant Update • Microgrid Feasibility Study (pending) 	<u>Council:</u> <ul style="list-style-type: none"> • Nov., 19 Community Survey and START Tool <u>Public Meetings:</u>
December	<ul style="list-style-type: none"> • Firefly Community Energy Report (confirmed) • Mobile Home Retrofit Program Update 	<u>Council:</u> <ul style="list-style-type: none"> • Dec. 12 - Water, Wastewater, Stormwater and Solid Waste Rate Study • Dec., 12 - Mill Ave Streetscape update

	<ul style="list-style-type: none"> • IgCC Status Report w/ Quest 	<u>Public Meetings:</u>
Parking Lot:	<ul style="list-style-type: none"> • Intro new Green Codes Plan Reviewer • Preserve Management Plan • Apache Central Development • Council Forums - Sustainability next election year • Site visits to initiatives • Water Legislation Update • Updating Sustainability Neighborhood Grant • Bike infrastructure • Climate Resilience Financing 	KEY: WSS - Work Study Session (starts at 4pm) RCM - Regular Council Meeting (starts at 6pm) Green Highlight - S&RO Specific Initiative Resources: Tempe Channel - Watch Tempe Council meetings live (cannot participate) City Council Comment Card How to join and speak virtually at a Council Meeting Council Chambers Address - 31 E 5th St, Tempe, AZ 85281