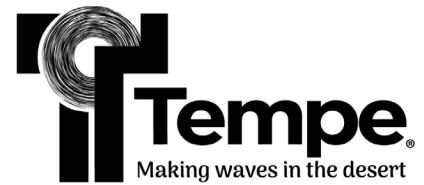


PUBLIC MEETING AGENDA



Sustainability & Resilience Commission

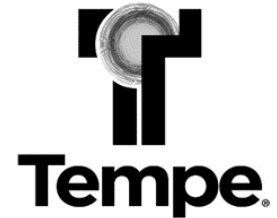
MEETING DATE
Monday, March 14, 2022
4:30 pm – 6:30 pm

MEETING LOCATION - Virtual Meeting
Microsoft Teams meeting
Join on your computer or mobile app
[Click here to join the meeting](#)

Or call in (audio only)
[+1 480-498-8745,,238090030#](#) United States, Phoenix
Phone Conference ID: 238 090 030#
[Find a local number](#) | [Reset PIN](#)
[Learn More](#) | [Meeting options](#)

AGENDA ITEM	PRESENTER	ACTION or INFORMATION
1. Public Appearances The Sustainability Commission welcomes public comment for items listed on this agenda. There is a <i>three-minute time limit</i> per citizen.	Kendon Jung, Commission Chair (4:30 – 4:33 pm)	Information
2. Approval of Meeting Minutes The Commission will be asked to review and approve meeting minutes from the February 14, 2022 meeting.	Kendon Jung, Commission Chair (4:33 – 4:35 pm)	Action
3. Urban Cooling Green Stormwater Staff will provide updates.	Julian Dresang, City Engineer (4:35 – 4:55 pm)	Information
4. Solar Ready Code Staff will provide updates.	Dino Accardo, Plan Review Manager, Building Safety (4:55– 5:25 pm)	Information
5. International Green Construction Code (IgCC) Staff will provide updates.	Dino Accardo, Plan Review Manager, Building Safety (5:25– 5:45 pm)	Information
6. Transportation Demand Management (TDM) and Mobility Hubs Staff will provide updates.	Robert Yabes, Transportation Planner (5:45 – 6:05 pm)	Action
7. EnVision Tempe Update Staff will provide updates.	Braden Kay, Sustainability Director (6:05- 6:18 pm)	Information
7. Housekeeping Items Neighborhood Celebration March 26th	Kendon Jung, Commission Chair (6:18 – 6:25 pm)	Action
8. Future Agenda Items Commission may request future agenda items.	Kendon Jung, Commission Chair (6:25 – 6:30 pm)	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 accommodation to participate in a public meeting.



Minutes

City of Tempe Sustainability Commission February 14, 2022

Minutes of the Tempe Sustainability Commission meeting held on Monday, February 14, 2022, 4:30 p.m. at a virtual meeting on MS Teams, through City Hall, 31 E. 5th Street, Tempe, Arizona.

(MEMBERS) Present:

Kendon Jung (Chair)
Natalie Mendoza
Stephanie Milam-Edwards
Joyce Vesper

Megan Coon
Shawn Swisher
Jake Swanson
Ryan Mores

(MEMBERS) Absent:

Barbie Burke
Katja Brundiers

City Staff Present:

Braden Kay
Grace DelMonte Kelly
Henry Pearson
Brienne Fisher

Guests Present:

Sydney Files
Matt Smith

Chair Jung called the meeting to order at 4:35 p.m.

Agenda Item 1 – Public Appearances

No public appearances were made.

Agenda Item 2 – Approval of Meeting Minutes

Chair Jung called for a motion to approve the minutes from January 24, 2022.

Motion: Stephanie Milam-Edwards

Second: Shawn Swisher

Decision: Approved 8-0

Voted to Approve:

Kendon Jung (Chair)

Natalie Mendoza

Megan Coon

Jake Swanson

Shawn Swisher

Stephanie Milam-Edwards

Ryan Mores

Jake Swanson

Agenda Item 3 – NAC & SRC Letter to Council in support of Climate Action Plan Update

Braden confirmed that all the members reviewed the letter. All members had.

Chair Jung asked for a motioned to approve the letter of support to City Council.

Motion: Kendon Jung (Chair)

Second: Jake Swanson

Decision: Approved 8-0

Voted to Approve:

Kendon Jung

Natalie Mendoza

Meg Coon

Jake Swanson

Shawn Swisher

Stephanie Milam-Edwards

Ryan Mores

Jake Swanson

Agenda Item 4 – Climate Action Plan Update

Braden and Grace are presenting the update to mayor and council on Thursday. Brienne is working to ensure a resolution to adopt the plan goes through.

Braden walked through the updated CAP.

- He walked through the introduction, followed by the 4 agendas.
- He spoke about extreme heat days briefly.
- Moved on to municipal climate action.
- The commissioners have not heard much detail about the municipal actions.
 - Municipal emissions are divided into 4 buckets: Fleet, lights/facilities, water, and buildings.
 - There is a slide for each of these buckets.

Agenda Item 5- CAP Budget Update

- **Key piece for commissioners: They have 2 categories: policies/programs and infrastructure.** Braden asked commissioners why they break these into two buckets.
- Commissioner Milam-Edwards answered that **they break these up because that is how the budgeting is broken up. There are 2 separate budget processes for these.**
- CIP for infrastructure, budget supplementals for policies.
- Infrastructure:
 - Energy efficiency/retrofits
 - Resilient energy hubs
 - City transit/EV fleets
 - Charging infrastructure
- Policy:
 - Sustainable facilities plan
 - EV fleet roadmap
 - City green building policy
 - Workforce EV charging
- They are working with other cities to implement this type of CAP.
- Walked through community emissions.
- They want to move forward on solar-ready building codes. There is a real need for people that care about solar building codes to speak to the city.
- Chair Jung heard that a group is trying to stop the solar building codes. Braden said that a business group is asking the council to make the codes voluntary.
- The codes are not requiring buildings to install solar, just that they are built in a way that will allow solar installation. There aren't any current incentive programs. Incentives are not

on the table. The very simple readiness codes are a way of doing something while they wait for funding for potential incentives. In essence this is a compromise.

- Looking to fund a Resilient Tempe Master Plan feasibility study for green water infrastructure, urban forestry, and urban cooling. Explores possibility of creating a new utility that implements these things throughout the city. There has never been an urban cooling utility in the United State.
- Local food work/access roadmap funding request.
- Making a push to add full-time personnel to the office of sustainability.
 - Neighborhood resilience coordinator
 - Youth engagement coordinator
 - Policy and grants coordinator.
- Infrastructure requests. First time having a budget line item for green stormwater infrastructure. Probably will not happen in the first few years but will happen eventually.

Schedule:

- March 3: Final approval of Climate Action Plan Update
- Brianne has overview with budget process dates
- April 7: Wedge analysis presentation
- City building policy and IGBC policy presentation in April

Chair Jung opened the floor to questions. It is important for commissioners to be well-versed in the CAP.

- Commissioner Swanson said he has a good understanding of how to support the plan. He has started to organize individuals in Tempe to come to council meetings and express their views.
- Commissioner Milam-Edwards is interested in the wedge analysis. She would like more information about it. She does wedge analysis with students and wants to integrate that into the students' lessons.
 - Braden replied they will have the results in late March and will send them to the commission. He is happy to have her integrate that into her lessons.
- Chair Jung said that the layout of the CAP was helpful. Municipal vs Community distinction was useful. Government vs Citizen actions. He also liked how the actions were divided into policies/programs vs infrastructure, which aligns with the budget distinctions. He liked the list of the people who helped with the CAP.

Chair Jung asked what members are excited about or what helped them solidify their understanding of the work.

- Commissioner Milam-Edwards said every iteration is getting easier to understand for the layperson.

- Commissioner Swisher agreed with her. The accessibility has improved, and it is easier to see the exact actions that the city is going to take.
- Commissioner Swanson said that the CAP is very practical and sustainable. He said there is less “walking on egg-shells” with this process as opposed to other cities he has worked with.
- Chair Jung said that the next 4 months are about getting the word out. Bringing the people who support climate action to voice their support.
- Members will be getting an email about developing their rosters of organizations/individuals that support climate action and want to know about climate action within the city. They should compile those contacts so that they can steward those people into the right places. He said the number one thing that puts a monkey wrench in good work is people who don't understand what is happening coming in and complaining. It took 3 people to stop the water rate changes, which caused massive inequity. They need to outnumber the negative voices sevenfold, which is why they need the people who support climate action to come out.

Brianne went through the important upcoming dates.

- Feb 17- GHG presentation to council and introduction to the 5-year CIP. CIP comes before operating budget.
- Mar 3- Formal adoption of CAP.
- Mar 7- Last day of the budget public survey.
- Mar 24- Initial recommendation of 5-year CIP and acceleration strategies. Council selects performance measures that they want to see accelerated.
- Apr 7- IgCC in City Buildings.
- Apr 7- GHG Emissions Wedge Analysis update and 5-year CIP follow up.
- Apr 21- FY 22-23 operating budget review sessions. Here the budget supplemental document will be important.
- Apr 28- IgCC in City Buildings resolution. Actual vote for formal approval.
- May 5- FY 22-23 budget follow up
- May 26- FY 22/23 tentative budget adoption.
- June 9- FY 22/23 through 26/27 CIP

Chair Jung spoke about the contact list. He created a spreadsheet divided into the different groups that each member represents. This will be their “rolodex”. They can help these people submit their comments and have their voices heard. The meetings can be attended in person or virtually. Public comment cards are the primary way through which the council measures public support for an issue. The homework for the coming week is to do desktop research for groups/people who are residents/residential groups interested in climate action. They are not breaking open meeting laws in how they are doing this. There is no quorum, it is asynchronous work where each commissioner is doing their own advocacy. Tomorrow

they can test this with the solar ready building code which is taking place at noon. He encourages the commissioners to let people know, record their info, and ask them to submit a comment card. The second opportunity is on Thursday at the council meeting, where Braden and Grace will be presenting the CAP to mayor and council. They can search for the calendar of Tempe City events to see the schedule. Brianne will send the updated schedule document to the commission. Kendon will be submitting a card for the solar-ready code. He will CC the commissioners with what he is sending to people asking them to submit cards. He wants each member to have 10 contacts by the next meeting. Members agreed and Kendon thanked everyone.

Agenda Item 6 – Sustainability Awards

Grace has been handling the nominations. The goal was 2 nominations/commissioner. There are 4 categories: Individual, business, organization, nonprofit. 3 individual, 3 business, and 1 nonprofit have been nominated. Kendon asked if there were concerns with achieving their goal of 2 nominations. The deadline closes at 5pm tomorrow. Grace will send a packet on Friday with all of the nominations and application materials. Your vote must be submitted by Tuesday the 22nd at 5pm.

Councilmember Kuby asked if there were any nominations for youth. Chair Jung and Grace confirmed there were not. Councilmember Kuby asked where to find the resources for nominations, and Chair Jung added the link to the chat.

Grace mentioned that the city will be giving away trees to the winners of the sustainability awards.

Agenda Item 7 – Housekeeping

Chair Jung reviewed the contact lists, the CAP, and the timeline of meetings for comment submissions. He asked if there are any additional housekeeping items.

Braden suggested that Councilmember Kuby wanted to speak.

She thanked the commission for their hard work. This is crunch time and the culmination of years of work from everyone in the sustainability office. She knows that they are being asked a lot, but it is so important, and this is the pivot time where they can have an impact. She said that the commissions in-person voices are more likely to be heard than comment cards. They can also talk about it on social media by putting it out into the public. Social media gets to council more than comments because more people can see it. This is Councilmember Kuby's last budget year as a council member and she is very grateful for everyone. She spoke highly of Braden and thanked him. She is very hopeful for the future.

Chair Jung thanked her and said they would not be here without her. She thanked him and said he has had a large impact on her life and on the city. Chair Jung said that the group gives him energy.

Commissioners spoke about how excited they are for the future.

Chair Jung asked members to say one thing that they are excited about for the future.

- Chair Jung said they have laid the foundations for this work for years to show people how this type of action can help them do their work and do it sustainably.
- Commissioner Swanson has appreciated the directness of this group. There are very few people who respond to questions directly in this space. He is grateful for Braden and Chair Jung for being very frank and direct. He thinks Tempe is going to a great example for sustainability moving forward.
 - Braden replied that over the years they have gone through their own issues with whataboutism. This commission made it clear that the city is not representing all the voices of the city. The reason that the city is better at doing this is because of the commission. They have been able to create consensus. Tempe is leading Arizona in centering resident and business voices in climate action.

Agenda Item 8 – Future Agenda Items

Chair Jung requests any items be sent to staff.

Chair Jung asked for motion to adjourn at 5:41 pm.

Motion: Natalie Mendoza

Second: Shawn Swisher

Decision: Approved 8-0

Voted to Approve:

Kendon Jung (Chair)

Natalie Mendoza

Meg Coon

Jake Swanson

Shawn Swisher

Stephanie Milam-Edwards

Ryan Mores

Jake Swanson

The meeting was adjourned at 5:41 pm.

Prepared by: Henry Pearson
Reviewed by: Grace DeMonte Kelly

Green Infrastructure

Sustainability & Resilience Commission

March 14, 2022



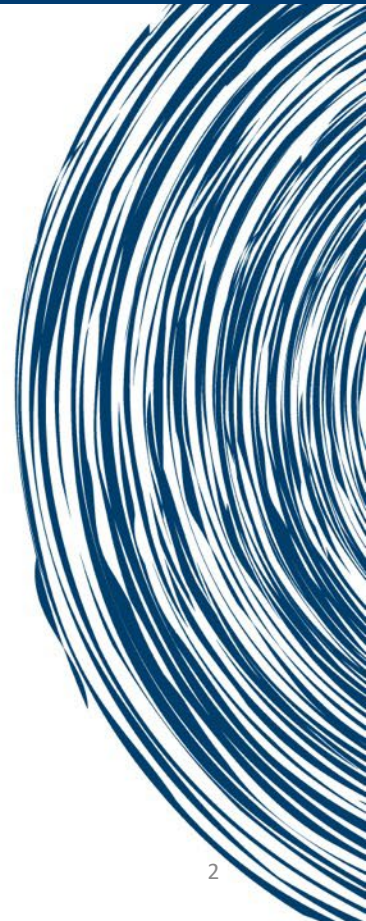


Sustainable Growth and Development 4.11

Tree Coverage: Achieve a citywide (city and private property) 25% tree and shade canopy by 2040.

Safe and Secure Communities 1.27

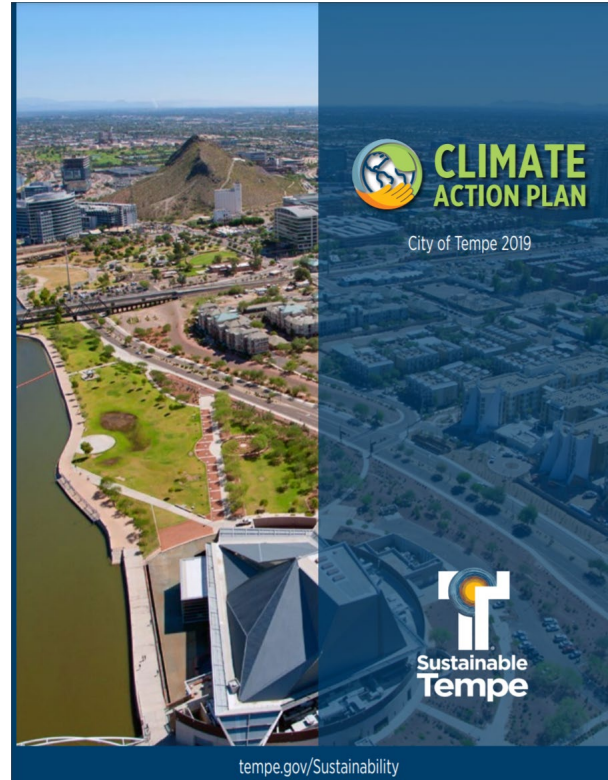
City Infrastructure and Assets: Achieve 100% compliance with industry standards related to the replacement or rehabilitation of infrastructure and assets.



Tempe Climate Action Plan



- Emissions reduction
 - Energy Efficiency
 - Transportation
- Resilience
 - Extreme Heat
 - Green Infrastructure
 - Green Construction Code
 - Urban Forestry Master Plan
 - Emergency Management Program

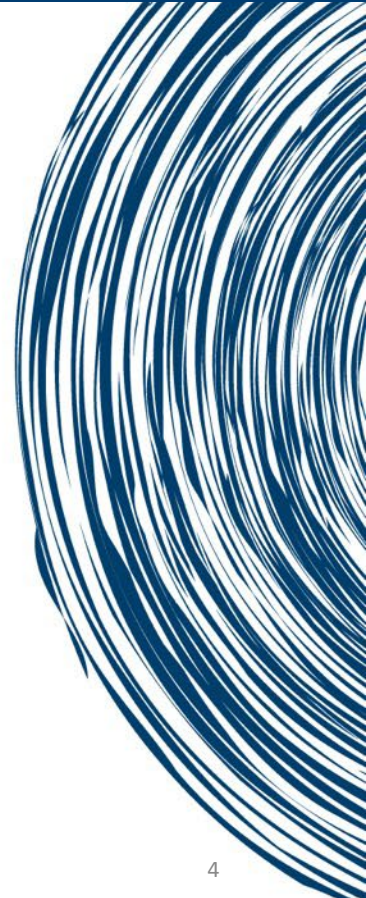
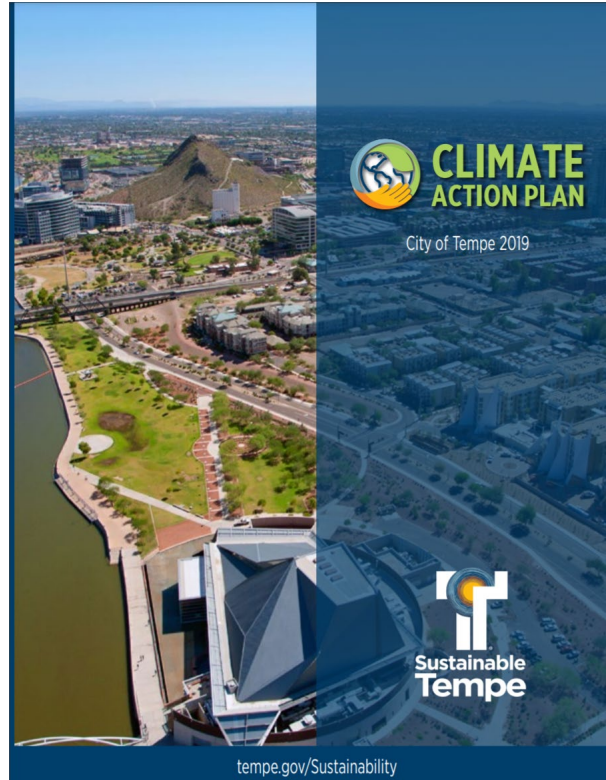


Tempe Climate Action Plan



Green Infrastructure

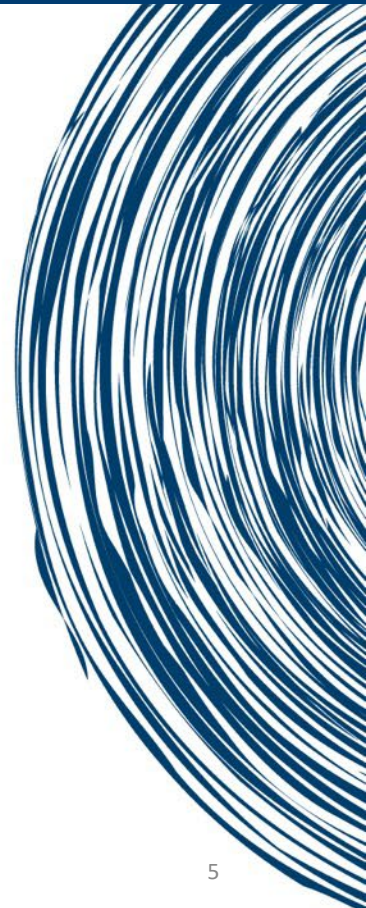
- Supports Urban Cooling
- Creates Shade
- Saves Water
- Captures Stormwater
- Keeps Streets Clean During Storms



Green Infrastructure Partners & Collaboration



- Office of Sustainability
- Sustainability & Resilience Commission
- Municipal Utilities Department
 - Water Conservation
 - Environmental (Stormwater Quality, Reporting)
- Engineering and Transportation Department
 - Transportation Planning (CIP Projects)
 - Streets Maintenance (Pilot Projects)
 - Engineering (CIP Projects, Floodplain Management)
- Community Development Department (Private Projects)
- Arizona State University
- Private Businesses (Pilot Projects)
- Tempe Residents



Examples of Green Infrastructure in Tempe



College Avenue

- Stormwater diverted from the street into landscaping
- Trees and vegetation help with cooling
- Reduced pavement



Examples of Green Infrastructure in Tempe



● Dorsey Lane & Lemon Street

- Stormwater diverted from the gutter into landscaping
- Trees and vegetation help with cooling
- Compost from city green waste



Examples of Green Infrastructure in Tempe



● Rio Salado Parkway & Hardy Drive

- Stormwater diverted from the gutter into landscaping
- Trees and vegetation help with cooling
- Compost from city green waste



Examples of Green Infrastructure in Tempe



● Fifth Street & Evergreen Road

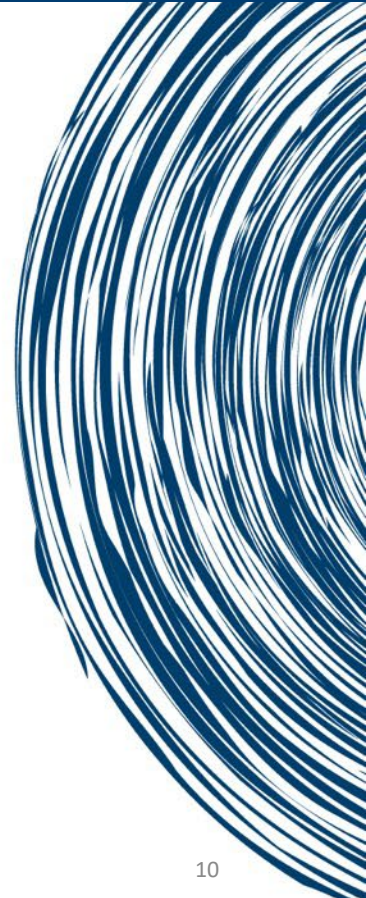
- Stormwater diverted from gutter into landscaping
- Trees and vegetation help with cooling



City Code: Chapter 12 – Drainage and Flood Control



- Chapter 12 – Drainage and Flood Control
 - Article I. – In General
 - Article II. – Floodplain Management
 - Article III. – Salt River Flood Channel
 - Article IV. – Storm Water Retention
 - Article V. – Storm Water System Extension Policy
 - Article VI. – Storm Water Pollution Control

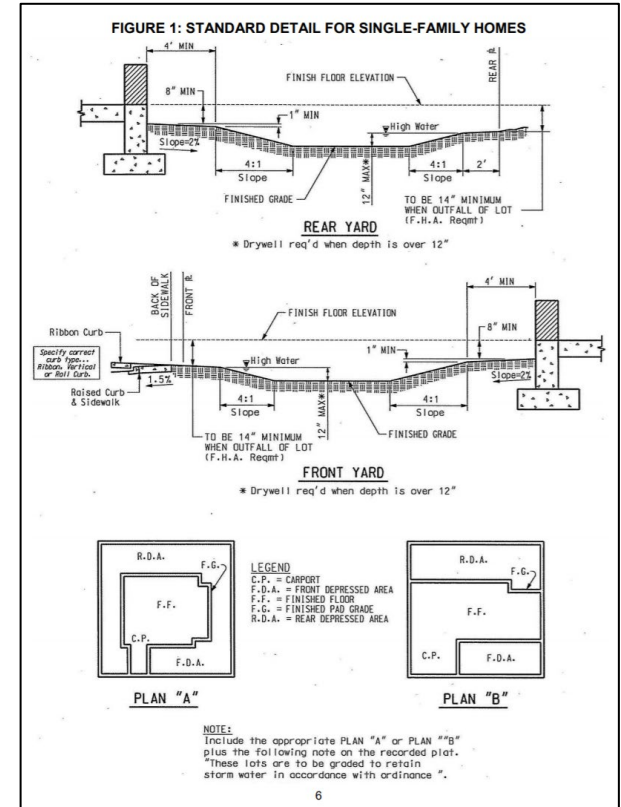


City of Tempe: Engineering Design Criteria



Addresses:

- Storm Water Retention (Volume)
 - Grading and Drainage Plan
 - Drainage Design Criteria and Requirements
- Storm Water Quality
 - National Pollutant Discharge Elimination System (NPDES)
 - Municipal Separate Storm Sewer System (MS4)
 - ADEQ Notice of Intent (NOI)
 - Storm Water Pollution Prevention Plan (SWPPP)
- Low Impact Development (LID) Guidelines





● Low Impact Development (LID) Guidelines

- Adopts the City of Mesa's "Low Impact Development Toolkit" (published April 2015)
- Identifies LID Tools including:
 - Green Street Tools
 - Vegetated Swale Tools
 - Bioretention Tools
 - Permeable Paving Tools
 - Constructed Wetlands
 - Infiltration and Underdrains
 - Green Roof Tools
 - Rainwater Harvesting Tools



Challenges



- Tempe is “built out” resulting in limited right-of-way opportunities, finite open space, and high-density redevelopment.
- Lack of education and training related to green infrastructure and LID guidelines.
- Lack of a dedicated funding source for pilot projects and/or community-initiated projects.
- There is a significant amount of existing storm drain infrastructure.
- Maintenance of some elements can be difficult.



Questions?



Julian Dresang, City Engineer

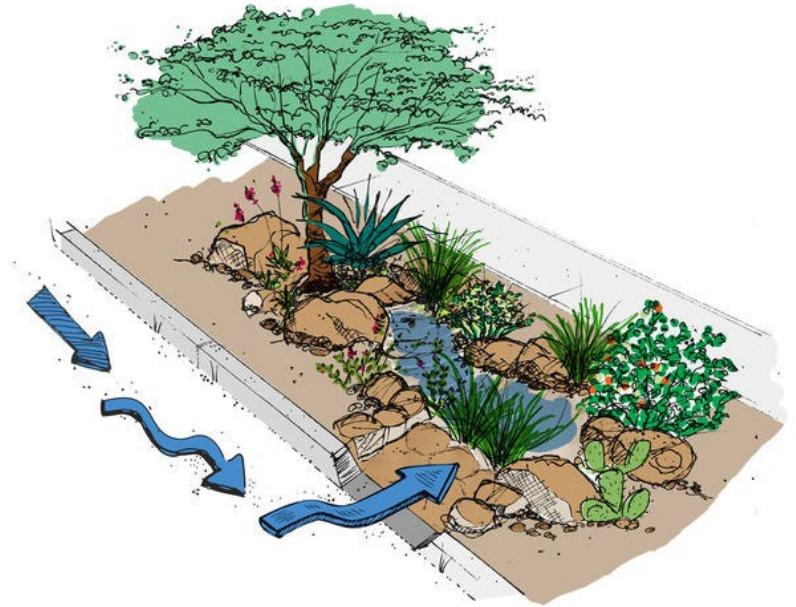
Julian_dresang@tempe.gov

480-350-8025

Braden Kay, Director of Sustainability

Braden_kay@tempe.gov

602-550-1745



Solar Ready Code Adoption

March 14, 2022



Tempe

Making waves in the desert



Sustainable Growth and Development

4.18 - Reduce community Greenhouse Gas (GHG) emissions by 80% of 2015 levels by 2050 and achieve community carbon neutrality by 2060.





Tempe Solar Readiness

- 2018 IECC Adoption and Solar Readiness Consideration
- Why it matters
- Solar Ready Code Appendix General Requirements
- Solar Readiness in Arizona
- Next Steps
- Questions



**CLIMATE
ACTION PLAN**

2018 IECC Adoption and Solar Ready



- January 1, 2019 – City adopted 2018 International Energy Conservation Code (IECC)
 - Appendix CA (Solar-Ready Zone) is contained within the body of the 2018 IECC and the provisions were not referenced in the 2019 adoption
- September 30, 2021 – Presentation to Sustainable and Livable Communities Committee on Solar Ready Code
- November 17, 2021 – Council supports moving forward with stakeholder and outreach process
 - The provisions contained in Appendix CA are not mandatory unless specifically referenced when adopted; however, the city seeks feedback about the future adoption as a mandatory code

Why it Matters



- Encourages installation of renewable energy systems
- Prepares buildings for the future installation of solar energy equipment, piping and wiring
- Supports the initiative in the Climate Action Plan Update coming in March to adopt policies that make our city more resilient to extreme heat and reduces



Energy

Tempe can support businesses and residents in adopting energy upgrades that save money and grow Arizona's clean energy economy. Additionally, working with utility companies to increase renewable energy use is a priority for Tempe.



General Requirements

- Applicable for all **New Commercial Construction** which includes multi-family
- Solar-Ready Zone (SRZ) shall be located on buildings five stories or less in height
- The SRZ shall be 40% of the calculated roof area less the area of vegetated roofs, skylights, and occupied roofs
- Structural dead loads of not less than 5 pounds per sq. ft. shall be included
- Interconnection pathways required from the SRZ for future piping and electrical service reserved space is required

Who has adopted Solar Ready Codes?



- Scottsdale- Adopted 2015 IRC Appendix U for Residential
- Tucson- Adopted 2018 IRC Appendix T for Residential
- Pima County- Adopted 2018 IRC Appendix T for Residential

Next Steps



- Complete stakeholder and public comments
 - Feb 15 - Virtual public meeting at noon
 - Feb – 2nd Stakeholder meeting
 - March – Presentation to Commissions
 - March – Update to Sustainable and Livable Communities Committee
 - Online comments on tempe.gov/Forum from Feb. 15 – March 1
- Presentation at a future Work Study Session to present feedback and request Council direction





- Link to 2018 IECC
 - <https://codes.iccsafe.org/content/iecc2018>
- Residential Solar – What you can do
 - <https://www.tempe.gov/government/sustainable-tempe/focus-areas/renewable-energy-and-efficiency/what-you-can-do>
- Climate Action Plan
 - <https://www.tempe.gov/government/sustainable-tempe/climate-action-plan/climate-action-plan-outreach>



Questions?



Tempe Solar Readiness

IGCC Update

March 14, 2022





Sustainable Growth and Development 4.18

Reduce community Greenhouse Gas (GHG) emissions by 80% of 2015 levels by 2050 and achieve community carbon neutrality by 2060.



IGCC Update



- FY 21-22 Community Development-Building Safety received budget approval of supplemental for a Green Building Program Specialist (cs 2721).
- Position provided limited funds at \$63,683.00.
- Next Steps: Maximize effectiveness of limited funds with seeking assistance of a consultant (RFP) to assist staff with the following:
 1. Develop Tempe 2018 IGCC Code and creation of a Building Safety Green Bldg and Energy Program and Section.
 2. Pilot city projects (Fire Station 7 and one more).
 3. Recommendations for training of city staff.
 4. Pilot 1-3 private property projects.
 5. Resource plan for implementation of voluntary use of code.
 6. Electric Vehicle-Capable code and solar ready code implementation



CLIMATE
ACTION PLAN

City of Tempe

TDM/Mobility HUB/TMA

Project Update

Sustainability Commission
March 14, 2022



● Regional and State

- Maricopa Association of Governments; Maricopa County Trip Reduction Program; Valley Metro- (Tempe TMA at the I-10 Corridor); Arizona Department of Transportation; Arizona Department of Environmental Quality.

● Local

- Downtown Tempe Authority; ASU Parking and Transit; Development Review Commission; Tempe Chamber of Commerce; Sustainability Commission; Transportation Commission; local businesses and civic associations.

● City Departments

- Engineering and Transportation; Development Services; Economic Development; and Parks and Recreation.

Tempe's Sustainable Vision



The City of Tempe is dedicated to growing a sustainable and resilient city alongside community stakeholders. Tempe is taking action to reduce emissions and cultivate resilience by focusing on the guiding principles of fiscal responsibility, enterprise, equity, engagement, and effectiveness.

This includes goals to:

- Achieve a multimodal transportation system that supports a “20-minute city”
- Reduce travel times along major streets during rush hours
- Reduce community Greenhouse Gas (GHG) emissions by 80% of 2015 levels by 2050 and achieve community carbon neutrality by 2060.



● **Transportation Demand Management (TDM) Plan**

- Programs & policies designed to enhance system efficiency and promotes use of multi-modal investments.

● **Transportation Management Association (TMA) Plan**

- Creates a forum for collaboration to improve the effectiveness of TDM efforts across agencies, businesses and locations.

● **Mobility Hubs Plan**

- Provides the infrastructure needed to support multimodal transportation choices at multiple sites across Tempe.

Stakeholder Engagement



Key takeaways

- Enthusiasm for TDM, TMA, & Mobility Hubs
- Education and awareness will be key to the success of any effort
- Need to start conversations regarding TDM strategies during “phase 1” of project development
- Businesses are interested in the ROI for investing in these strategies
- Positive response about the potential value of a TMA in addressing transportation issues and facilitating efficient travel



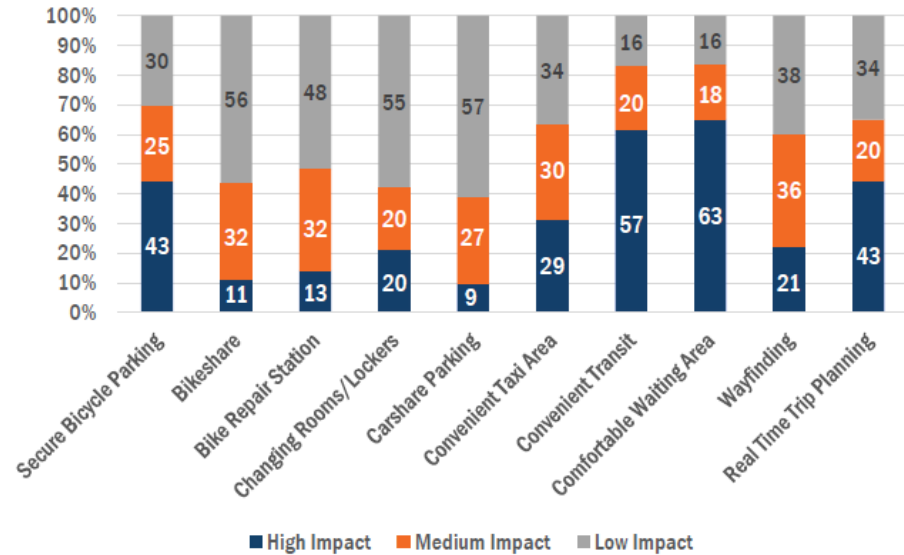
Public Meeting and Survey Responses



Key takeaways – Round 1

- Many are open to using other transportation options than driving alone
- Bicycle, pedestrian, rideshare and transit modes are used by respondents
- Pockets within Tempe have convenient transportation choices

What Would Encourage You To Use Alternative Transportation Choices?



Public Meeting and Survey Responses



Key takeaways – Round 2

- These efforts can increase mobility and improve quality of life and environment in Tempe
- They can make getting around Tempe without a car easier
- We need to provide more complete (and real time) information
- Look for ways to support multiple user groups and tie into & support regional efforts
- Key Mobility Hub elements include comfortable waiting areas, secure bicycle parking and convenient transit



The background features a central light blue circle surrounded by multiple concentric rings of varying thicknesses in dark blue and yellow, creating a tunnel-like or ripple effect.

Mobility Hubs

Mobility Hubs (Defined)



- Mobility Hubs are places which combine the resources of multiple modes of transportation together in one physical location, designed to help reduce the need for vehicle ownership and single occupancy driving trips.

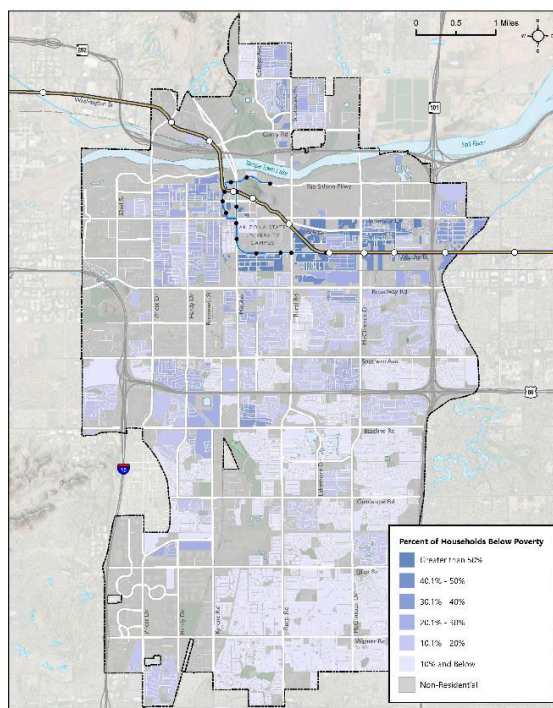


Equity Focus of Mobility Hubs

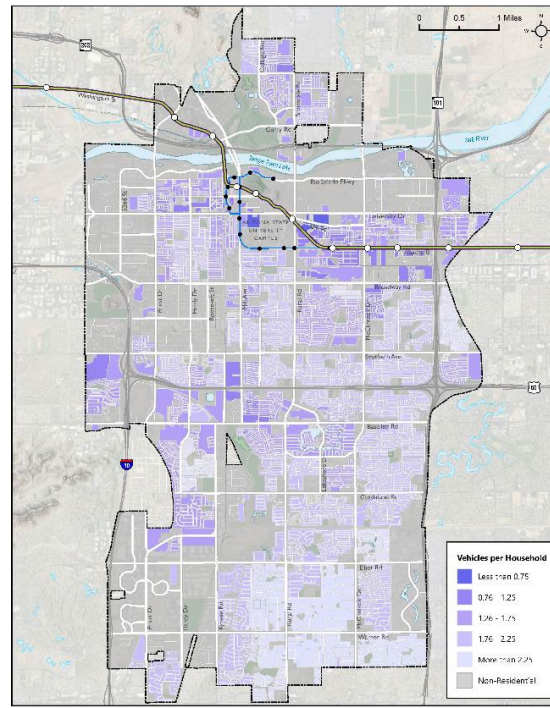


- Emphasis on siting mobility hubs in areas that will benefit lower income, car-free or car-light, and structurally underserved populations

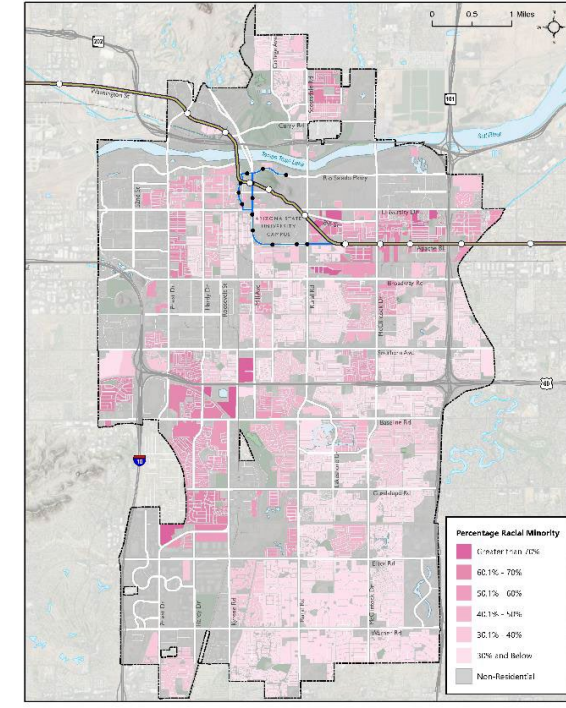
Households Below Poverty



Low Vehicles per Household



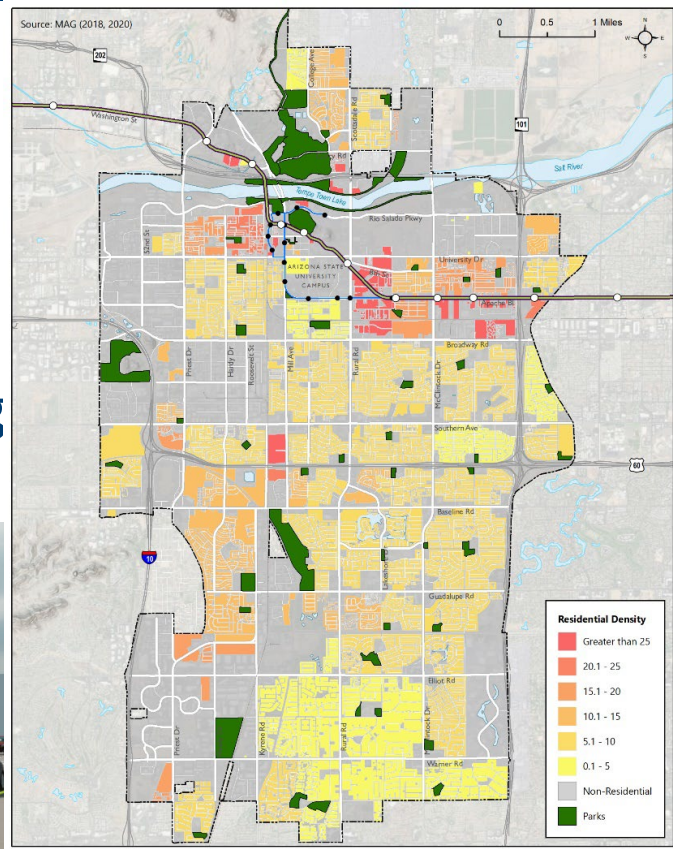
BIPOC Populations



Mobility Hubs on Public Property



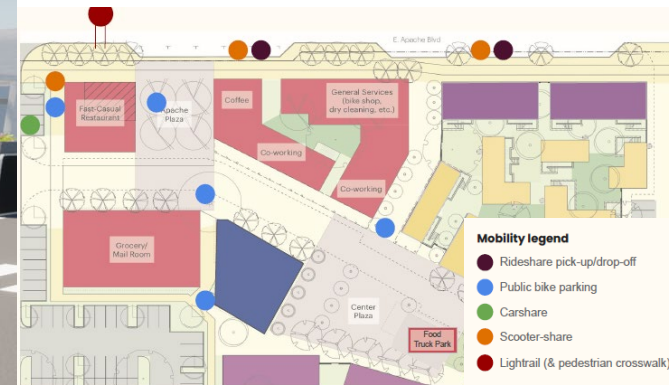
- Parks have dispersed neighborhood geographic coverage
- Reduces the reliance on cooperation with private landowners
- Abundant space within makes programming mobility hub amenities more feasible



Public-Private Partnership Mobility Hubs



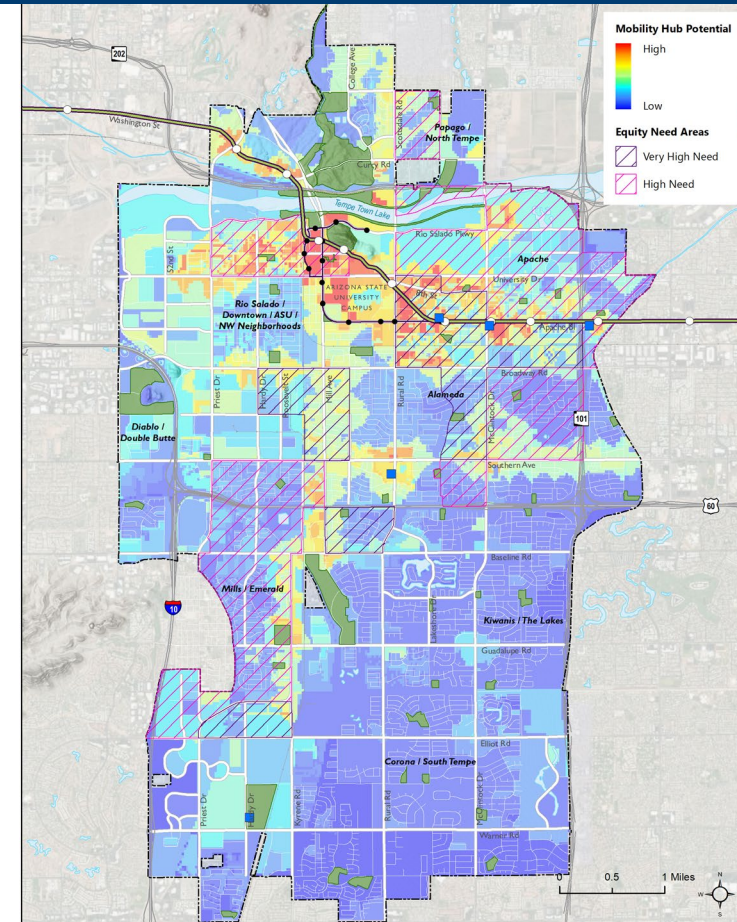
- Private developments hosting amenities on-site; may be used by the public
- Core strategy for developments seeking to reduce parking obligations, driving trips and VMT



Mobility Hub Potential Locations



- The following indicators were used identify locations with high mobility hub potential:
 - Residential Density
 - Employment Density
 - Near Transit Stops w/High Daily Transit Ridership
 - Near High Frequency Transit Stops
 - High Accessibility to Employment (by Transit and Walking)
 - Scooter & Bike share origin & destination historic trip data



The logo features a central light blue circle surrounded by concentric, hand-drawn style lines in dark blue and yellow, creating a tunnel-like effect.

Transportation Management Association

What is a TMA?



A Transportation Management Association (TMA) is a collaborative agency or initiative that exists to provide a variety of TDM services. TMAs work best in environments with...

- Agreed upon transportation challenges
- Demand for services that call for greater coordination for effective delivery
- Regulatory context that requires new effort on behalf of individuals/organizations
- Support and leadership from key public and private partners



TMA Programs & Services



- TDM Strategies
- Transportation Planning Services
- Employee/commuter travel information and resources
- TDM/Trip Reduction regulatory compliance
- Parking management
- Targeted programs for distinct user groups
- Performance measurement & reporting



Commuter Benefits Ordinance

Are you a business with 20 or more employees? Learn about the ordinance, how to comply and the benefits it offers you and your employees. [Learn More](#)



Talk to Nick Abel
Senior Transportation Specialist
(206) 613-3233

[Email me](#)

[Schedule a meeting](#)



Transportation Management Program & Property Managers

Does your property have a transportation management agreement? Learn how your building can further its sustainability goals. [Learn More](#)



Talk to Olivia Holden
Senior Program Manager
(206) 613-3257

[Email me](#)

[Schedule a meeting](#)



Flexwork/Telework

Learn about the benefits of teleworking! We'll help your business craft a Flexwork solution that works for you. [Learn More](#)



Talk to Nick Abel
Senior Transportation Specialist
(206) 613-3233

[Email me](#)

[Schedule a meeting](#)



West Seattle Bridge Closure Support

Do you have employees or an office located in West Seattle? We can help develop solutions during the bridge closure. [Learn More](#)



Talk to Wren Barulich
Senior Transportation Specialist
(206) 613-3243

[Email me](#)

[Schedule a meeting](#)

Source: Commute Seattle

Tempe Context



- Development is increasingly intense, leading to traffic congestion and accessibility concerns
- “20-minute city” focus, coupled with goals of reducing GHG emissions and travel times
- Significant recent planning and investments in multimodal infrastructure
- Tempe has an active Downtown and significant anchor businesses & institutions
- Existing regulatory framework leaves room for improvement and need for more coordination
- Public and private partners are committed to this work and are ready to lead

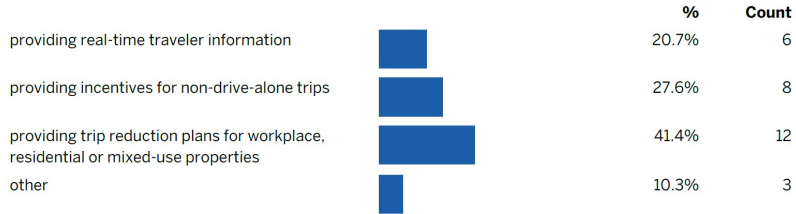


Tempe TMA Survey Response



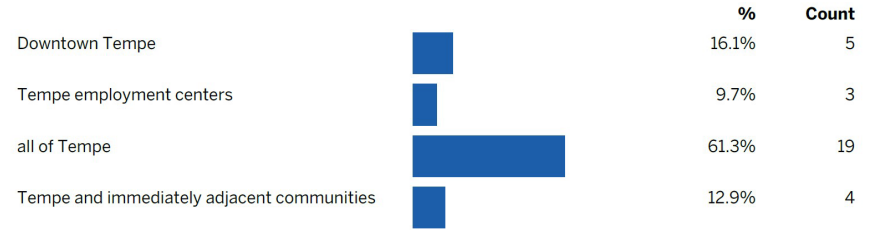
QUESTION 1

What programs and services should the Transportation Management Association (TMA) focus on in its first years of operation?

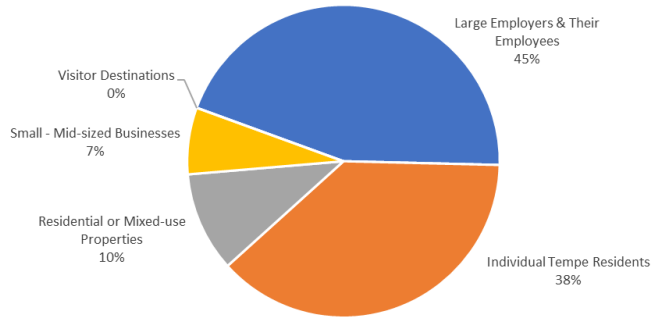


QUESTION 2

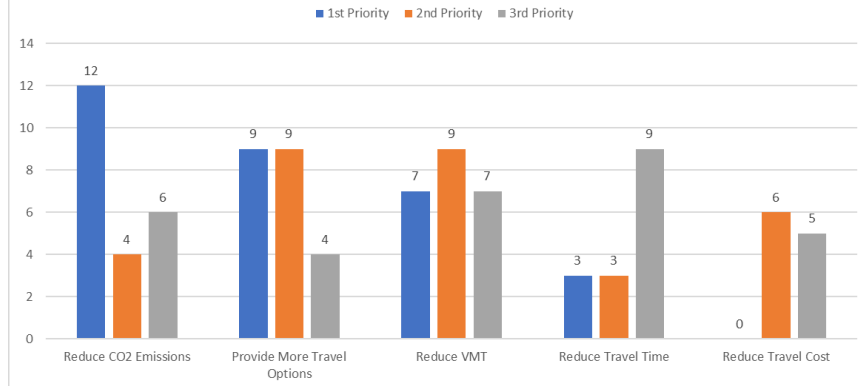
What area should the Tempe TMA serve?



Who should the Tempe TMA's primary audience(s) be?



Rank the Importance of the Following Goals for the TMA



Stakeholder Response



- Need to set the stage for change and improvement *before* travel returns to peak levels
- Support the needs of both businesses and individual travelers
- Align goals with other planning efforts, including Climate Action Plan and Vision Zero Action Plan
- TMA organization should be external to the City of Tempe with strong public-private collaboration
- Position this effort to capitalize on unique and generational funding opportunities
- Tempe is poised to be a leader in the region and others will learn from the model we establish



Setting up the TMA



Next Steps:

- Confirm the TMA's mission, vision and goals
- Establish the organization structure and cross-sector partnerships
- Outline key strategies, programs and services
- Identify resources and funding
- Develop performance measures and reporting methods



EMPLOYERS, HERE IS YOUR OPPORTUNITY



Source: Movability

Schedule



- Public Meeting (Virtual) and Open House Jan. 25 & 29, 2022
- Tempe Chamber of Commerce February 2, 2022
- Tempe Technical Working Group February 9, 2022
- Tempe Development Review Commission February 22, 2022
- Community & Employer Stakeholders February 23, 2022
- Tempe City Council Subcommittees March 2022
- Tempe Transportation Commission March 15, 2022
- Tempe Sustainability Commission March 14, 2022
- Tempe City Council March 24, 2022

Questions



● **Shannon Scutari**, Consultant,

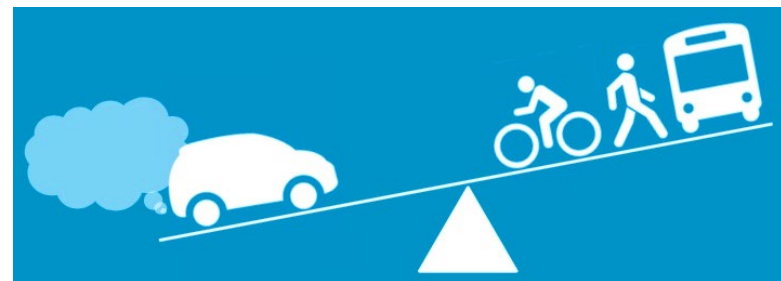
shannon@scutariandcompany.com

● **Robert Yabes**, Transportation Planning Manager,

Robert_Yabes@tempe.gov

● tempe.gov/TDM

● tempe.gov/mobilityhubs



Source: Mobility Lab

EnVision Tempe Update

March 14, 2022



Unlimited Potential Partnership

June 19, 2021 - Climate Justice Forum

June 22, 2021 - Neighborhood/Community
Forum

October 19, 2021 - Neighborhood Resiliency
Event

November 6, 2021 - EnVision Tempe Event



Main Findings

Health and Wellness

- Before and afterschool programs
- Cooking classes
- Yoga, Tai Chi, exercise for elderly and disabled
- Information on voter registration, elections, and community organizations
- Mental health center and support groups

Workforce Development/ Affordable Housing

- Financial assistance with work related equipment
- College prep and financial aide
- Career counseling
- Renters' assistance
- Housing navigators

Emergency Management/ Community Resiliency

- Shade protection for pedestrians
- Hydration station
- Travel assistance programs
- Backup generator

Why Hubs and Centers

Two frameworks are emerging to address community resilience, wellbeing, and self-reliance:

1. Resilience Hub (USDN concept)

- Localized approach to emergency preparedness that utilizes well-trusted community spaces

2. EnVision Center (HUD concept)

- Centralized facilities designed to provide greater access to economic, social, and health services

National Models

BEGINNER



Orlando, FL

- Developing six resiliency hubs
- Hubs will provide services to lower-income communities after extreme weather events
- Will take time to develop

LEED-certified neighborhood center with rooftop solar array.

INTERMEDIATE



Austin, TX

- Creating two resiliency hubs by the end of 2023
- Engaging with community to create a people-centered resilience hub plan
- Granted \$3M from American Rescue Plan to build hubs

Mendez Middle School, a potential resilience hub in Austin, TX.

National Models

ADVANCED



Baltimore, MD

- Has twelve resilience hubs
- Placing hubs in different types of buildings, not just city buildings
- Provide food, education, health resources, and more

Fan and food distribution at a resilience hub in Baltimore, MD.

EXCEPTIONAL



Puerto Rico

- Network: Transformed seventeen local community centers to resilience hubs
- Multiple services: Hubs are equipped with combinations of solar energy, water storage, gardens, communications systems, emergency kits, and psychological services
- Always active: Provides critical services absent of disaster

Mercy Corps resilience hub including food, water and emergency preparedness solutions.

Core Pillars

Economic Empowerment: Opportunities to improve economic sustainability

Educational Advancement: Educational and skills training opportunities

Health and Wellness: Improving access to better health outcomes

Character and Leadership: Molding productive citizens through service efforts

Resilience to Extreme Heat: Providing immediate and long-term heat relief

Community Resilience: Ensuring community wellbeing and self-reliant emergency preparedness

EnVision Overview

Open Fall 2022

Services Offered:

- Finding a job
- GED classes
- Housing assistance
- Parenting programs
- Before and after school care
- Heat relief location

Apache & Dorsey 1310 E Apache Blvd.



Capital Improvement Budget

Resilient Energy Hubs & Microgrid

- Master Plan for up to 20 sites
- Microgrid – solar and battery storage systems

Total Five -Year \$1,300,000

FY22/23 \$500,000

FY23/24 \$200,000

FY24/25 \$200,000

FY25/26 \$200,000

FY26/27 \$200,000



Questions?