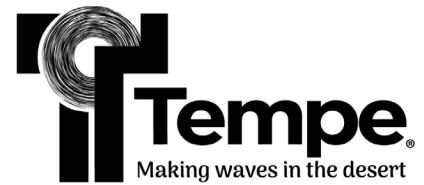


PUBLIC MEETING AGENDA



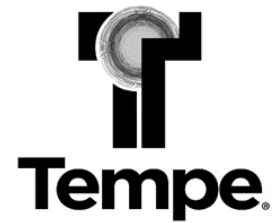
Sustainability & Resilience Commission

MEETING DATE
Monday, January 24, 2022
3:30 pm – 5:00 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)
[+1 480-498-8745,462072595#](#) United States, Phoenix
Phone Conference ID: 462 072 595#
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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 (3:30 – 3:33 pm)	Information
2. Approval of Meeting Minutes The Commission will be asked to review and approve meeting minutes from the December 20, 2021 meeting and the January 10, 2022 joint commission meeting with NAC.	Kendon Jung, Commission Chair (3:33 – 3:35 pm)	Action
3. Design Guidelines for Smith and Maker District Staff will provide updates.	Jill Buschbacher, Economic Development Program Manager (3:35– 3:55 pm)	Action
4. NAC & SRC Letter to Council in support of Climate Action Plan Update Staff will provide updates.	Kendon Jung, Commission Chair (3:55 – 4:10 pm)	Action
5. Climate Action Plan Intro Letter Staff will provide updates.	Kendon Jung, Commission Chair (4:10 -4:25 pm)	Action
6. Climate Action Plan Update Staff will provide updates.	Braden Kay, Sustainability Director (4:25– 4:40 pm)	Action
7. Sustainability Awards Staff will provide updates.	Kendon Jung, Commission Chair (4:40 – 4:50 pm)	Action
8. Housekeeping Items	Kendon Jung, Commission Chair (4:50 – 4:55 pm)	Action
9. Future Agenda Items Commission may request future agenda items.	Kendon Jung, Commission Chair 4:55 – 5:00 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 & Resilience Commission December 20, 2021

Minutes of the Tempe Sustainability Commission meeting held on Monday, December 20, 2021, 3:30 p.m. at a virtual meeting on MS Teams, through City Hall, 31 E. 5th Street, Tempe, Arizona.

(MEMBERS) Present:

Kendon Jung (Chair)
Barbie Burke (Vice-Chair)
Gretchen Reinhardt
Stephanie Milam-Edwards
Jake Swanson

John Kane
Ryan Mores
Natalie Mendoza
Krystal Brown

(MEMBERS) Absent:

Katja Brundiers

City Staff Present:

Braden Kay
Grace DelMonte Kelly
Henry Pearson

Guests Present:

Shawn Swisher
Joyce Vesper
Meg Coon
John Henry
Beth Penry-Dietz
Patrick Walsh
Alec
Kyle K
David Sokolowski

Sustainability & Resilience Commission, December 20, 2021

Chair Jung called the meeting to order at 3:35 p.m.

Agenda Item 1 – Public Appearances

Chair Jung asked guests to introduce themselves. No public appearances were made.

Agenda Item 2 – Approval of Meeting Minutes

Chair Jung called for a motion to approve the minutes from November 23, 2021.

Motion: Vice Chair Burke

Second: Commissioner Kane

Decision: Approved 7-0

Voted to Approve:

Kendon Jung (Chair)

Barbie Burke (Vice Chair)

Gretchen Reinhardt

Stephanie Milam-Edwards

John Kane

Ryan Mores

Jake Ryan

Agenda Item 3 – CiPP Program

- Chair Jung asked to make an insert before discussing this program. He first introduced Natalie Mendoza:
 - Lifetime Tempe resident.
 - Passionate about Climate Change and making Tempe and the world a better place.

- Chair Jung then introduced Krystal Brown in the AZ Resident at large position.
 - Lived in Tempe for 3 years.
 - Worked with Sprouts.
 - Here to learn.

- Chair Jung introduced Meg Coon in the Tempe Resident position.
 - Moved to Tempe last year, greater Phoenix area for 7 years.
 - Originally from Michigan.
 - Project management consultant for an organic plastic alternative company.

Sustainability & Resilience Commission, December 20, 2021

- Was on a board position in Chandler.

Chair Jung introduced Sean Swisher. John Kane is leaving the commission and Sean is filling John's role starting in January. He is at this meeting as a guest. Sean introduced himself:

- He is an architect at Jones studio.
- Practicing architect for 10+ years, background in sustainability projects.
- He is pursuing LEED certification.

Chair Jung introduced Joyce Vesper who will be filling Gretchen's role in January. She introduced herself:

- She is a clinical psychologist, practicing for 40+ years.
- Lived in Tempe for over 50 years, has seen the growth of the city.
- Oral interviewer for the history museum, has insight on what Tempe used to be like.
- She is on the AZ Interfaith Power and Light, a sustainability focused interfaith group.

Chair Jung acknowledged Gretchen Reinhardt's and John Kane's work. He thanked them for everything that they have done to advance sustainability in Tempe.

Chair Jung returned to the CliPP program. John Henry and Beth Penry-Dietz presented.

- He and his wife Beth have lived in Tempe since 1999.
- They started the CLiPP with a group of Tempe neighbors.
- They meet monthly to discuss ways to improve resiliency in their community.
- Their project is based on other cities work to combat climate change.
- They focus on diversity, equity, and inclusion.
- They wish to make renewables available to everyone in their community.
- John has worked with SRP and solar panel companies, Beth is a lawyer.
- Their goals:
 - Green homes with energy efficient upgrades.
 - Mini-split A/C.
 - Solar and battery storage to achieve net zero grid dependency.
 - They are working on resilient hubs to provide shelter as well as ensuring people's homes are resilient.
- Financing:
 - Government Grants
 - Appliance Discounts
 - Contractor management
 - Discounts on contractors.
 - Financing through on bill payments through water bill.

Sustainability & Resilience Commission, December 20, 2021

- Participation is much greater when financing comes through city bills.
- Helps people with bad credit to pay.
- First step is to appraise and audit the current consumption (energy audit)
 - Helps determine what needs to be done and the best way of doing it.
 - They can keep a record of the beneficial changes made and “tokenize” them, selling these tokens to entities to provide financing.
 - Using virtual net metering to measure aggregate available energy.
- Economic qualifications.
 - Grants for low-median incomes.
 - Infrastructure investment and jobs act increased home weatherization projects from \$500M to \$3B.
 - Financing for all.
 - No reliance on credit scores.
 - Rebates for all.
 - Energy Star/SRP
- “Seal the Envelope”
 - Use energy audit to create plan.
 - Electrical panel and battery storage upgrades.
 - Smart thermostats to track energy usage.
 - Finish with energy assessment.
- Mini Split AC
 - For one or two rooms to ensure they are kept cool.
 - Very efficient.
- Solar is very safe and effective.
- Similar Programs:
 - NYSERDA
 - City of Holland
 - Itacha NY
 - Washington State Housing Finance Commission
- Their Role
 - Facilitate communication with communities.
 - Work with Bloc Power to integrate software into the project.
 - Work with nonprofits to earn financial assistance.
 - Work with financial investors to earn impact driver sustainable investments.
- The Future: Less reliant on the grid, not entirely independent.

Commissioner Questions & Comments:

- Vice Chair Burke spoke about her experience as a Green Realtor with energy efficiency upgrades. She spoke about the HERS ratings which measure efficiency

Sustainability & Resilience Commission, December 20, 2021

of a house. Beth spoke about the certification systems that they use and the way that they can tokenize the benefits to bring in more financing.

- Are you advocating for using available audits that they can request from their provider or making their own auditing process? John and Beth said that they will use the existing audits and apply that information to livability.
 - Are there are options or considerations for renters? They have struggled with that question because these programs don't deal with single family home renters. There are lots of ways to address the problem. The financing often comes through the sale of the home which won't work for renters. They have not yet been able to solve the problem. Patrick Walsh said that these programs work with owners and landlords who can pass benefits on to renters.
- Beth said that they are asking the commission for their support. They are meeting with city council soon to ask for the creation of a pilot project.
- Chair Jung said that their program is like a residential version of the resilient energy hubs that the commission is looking at. He says that this project is right in line with the goals of the city. He asked for a motion to support the development of the pilot through a letter of support to council.

Motion: Stephanie Milam-Edwards

Second: Gretchen Reinhardt

Decision: Approved 9-0

Voted to Approve:

Kendon Jung (Chair)

Barbie Burke

Gretchen Reinhardt

Stephanie Milam-Edwards

John Kane

Natalie Mendoza

Ryan Mores

Krystal Brown

Jake Swanson

Motion Approved 9-0

Chair Jung will write a letter of support on behalf of the sustainability & resilience commission.

- Members should be aware that Joel Navarro is passionate about renewable battery storage safety.

Sustainability & Resilience Commission, December 20, 2021

- Chair Jung thanked Beth and John for all their work.

Agenda Item 4 – Resiliency Budget

Sustainability Director Braden Kay spoke about the budget:

- The way the council makes decision on budget spending was reviewed last month.
- 2 budgets: Operating (people/programs) and Capital Improvement (buildings/stuff).
 - Both get adopted in June.
 - They use the START tool to determine where they want to spend.
 - Council votes on performance measures that they want to move faster and invest in.
 - Municipal carbon neutrality, tree shade performance measure, and transit measures all received 4 votes to move forward.
 - Several measures were just outside the 9 leading measures, including the community carbon neutrality measure and the right of way performance measure. These will also be considered for acceleration.
 - In March or April meetings, staff will present to council how these programs can be accelerated.
 - The public comments from the commission were very helpful and noticed.
 - Moving forward, key performance measures are being considered. Braden will inform the commission of what they are including in the budgets.
 - 2 critical things:
 - They have hired a consultant that created a justification for investment in municipal carbon neutrality goal.
 - They have a hired a firm to work on the community carbon neutrality goal.
 - Braden's office is working on specific budget items. Next meeting, he will have a draft of the budget requests.
 - Feb-April is the time to advocate for investment.
 - Grace and Braden can inform the commission of what is happening, but they cannot tell them actions to take.
- Kendon spoke about the budget advocacy:
 - The commission has a variety of roles to allow civic engagement and advocacy by different groups within the community.
 - City staff cannot be advocates, that is the role of the commission.
 - He thanked the commissioners that spoke at the council meetings.
 - With the federal government preparing to pass an infrastructure funding bill for decarbonization, Tempe needs to have a pipeline of completed project and shovel-ready projects to be competitive for that money.

Sustainability & Resilience Commission, December 20, 2021

- Commissioner Questions & Comments:
 - There is a group of residents that want to make comments. Is it okay to share this information with this group? Chair Jung said that the information in the materials sent are okay for anyone. The comments submitted should not be direct copies of each other. Comments should include the perspective of the specific individuals/communities.
 - It is important to mention the benefits to residents/businesses/etc. in the comments.
 - The commission will send out talking points a week before each meeting.

Agenda Item 5 – CAP Update

Sustainability Director Braden Kay spoke:

- There will be a virtual open house to review the agendas on January 26th.
- They are working with the transportation division to do an in person outdoor open house on January 29th.
- In February they will be going to council with recommendations and final plan. These are the final opportunities for community review.
- He will walk through the actions and recommendations at those meetings.
- 5:30-7:00 pm on Jan 26th.
- Afternoon of Jan 29th.

Agenda Item 6 – Commission Communication

- Chair Jung stressed the importance of working to establish their contact base and inform them of the importance of their involvement over the next few months. Each member should go into their community and ensure they are in contact with leaders.
- Chair Jung will send out individual excel sheets to start accumulating these contacts in one place. In preparation, commissioners should start figuring out who they want to put on the lists.

Agenda Item 7 – Commission Retreat

Jung spoke about the retreat plans.

- January 10th will be the next meeting, in conjunction with the neighborhood advisory commission.
- The January Sustainability commission meeting is on January 24th. Braden will go over the plan and budget recommendations. This will be a 90-minute meeting.
- Retreat will be held in May.

Agenda Item 8 – Housekeeping Items

- Sustainability Awards
 - Applications are due on February 15th.
 - Commission will create an excel sheets for their top applications.

Sustainability & Resilience Commission, December 20, 2021

- These will be collected by staff, will determine if a re-vote needs to be done (never has happened)
- There is not a lot of awareness about the awards. As the commission is creating their contact list, they can take a critical look at who they are talking to and help connect them to apply to the sustainability awards.
- Jung is asking for each commissioner to find at least one person/organization to nominate for each category and to have someone else do at least one nomination. This would result in about 33 applications.

Agenda Item 8 – Future Agenda Items

- Chair Jung asked that any items emailed to him and Barbie, also cc Braden and Grace.
- Chair Jung asks if there is anything that he missed. Braden asked if any of the departing members of the commission would like to speak and thanked them for all of their work.
- Chair Jung asked John and Gretchen to talk about their favorite memory on the commission, something that was surprising to them, and a word of wisdom for the incoming commissioners.
- Gretchen:
 - It has been a pleasure to see all the work that has been done and to serve with everyone on the commission as well as Grace and Braden.
 - She feels they have accomplished significant things and that there is so much more to do. She was inspired by the presentation given earlier by John.
 - She remembers hearing that Scottsdale was ahead of Tempe in this work.
 - She spoke of all the great work that they and the staff have done.
- John:
 - He is sad that he will miss the next retreat as they are some of the most memorable events that they had.
 - The commission will be in great hands with Shawn.
 - He thanked everyone for their work.
 - He says that he is there for advice and is not going anywhere. He will be working on realizing some of the concepts that the commission has discussed. He will be presenting to the commission next year.
 - He wishes the best for all the incoming commissioners and thanked Kendon for his leadership and showing him how to lead.
- Chair Jung spoke of Gretchen's constant reminders about the work. They are not going anywhere; they are still a phone call away. He is excited to work with them in the future and they will be missed.
- Chair Jung has requested a copy of the CLiPP presentation to be archived.
- He thanked Henry for taking meeting minutes.

Sustainability & Resilience Commission, December 20, 2021

Chair Jung asked for motion to adjourn.

Motion: Vice Chair Burke

Second: Commissioner Kane

Decision: Approved 9-0

Voted to Approve:

Kendon Jung (Chair)

Barbie Burke (Vice Chair)

Gretchen Reinhardt

Stephanie Milam-Edwards

John Kane

Natalie Mendoza

Ryan Mores

Krystal Brown

Jake Swanson

The meeting was adjourned at 5:00 pm.

Prepared by: Henry Pearson

Reviewed by: Grace DelMonte Kelly

**DRAFT Minutes
Sustainability & Resilience Commission and
Neighborhood Advisory Commission Joint Meeting
January 10, 2022**

Minutes of the Tempe Sustainability & Resilience Commission and Neighborhood Advisory Commission joint, virtual meeting held on Monday, January 10, 2022, 4:30 p.m., MS Teams platform.

Sustainability & Resilience Commission Members Present:

Kendon Jung (Chair)	Natalie Mendoza
Barbie Burke (Vice-Chair)	Krystal Brown
Stephanie Milam-Edwards	Katja Brundiers
Jake Swanson	Meaghan Coon
Shawn Swisher	

Sustainability & Resilience Commission Members Absent:

Ryan Mores

Neighborhood Advisory Commission Members Present:

Hannah Moulton Belec (Chair)	Diane Harden
Joel Stern (Vice-Chair)	Linda Knutson
Brandon Abrahams	Melanie Larimer
Maureen Easty	Nancy Puffer
Annette Fields	Mark Rude
Jana Lynn Granillo	Nicholas Weller

Neighborhood Advisory Commission Members Absent:

Barb Harris, Christopher McCabe, Daniel Schugurensky

City Staff Present:

Braden Kay
Grace DelMonte Kelly
Henry Pearson
Elizabeth Thomas
Brienne Fisher
Bonnie Richardson
Shauna Warner
Laura Kajfez

Guests Present:

Joyce Vesper
Councilmembers Doreen Garlid and Lauren Kuby

Agenda Item 1 – Call to Order and Attendance Roll Call

Sustainability & Resilience Commission Chair Jung called the meeting to order at 4:35 p.m. Commissioners in attendance noted that they were on the virtual meeting. Neighborhood Advisory

Sustainability and Resilience Commission and Neighborhood Advisory Commission Joint Meeting
January 10, 2022

Commission Chair Belec conducted an attendance roll call. A couple members arrived later and were then noted as present.

Agenda Item 2 – Public Comment

Chair Jung asked guests to introduce themselves. No public comments were made.

Agenda Item 3 – Adaptive Streets Project

Principal Planner, Bonnie Richardson, provided an overview of the Adaptive Streets Project. During the June 2020 Transportation Commission meeting, an Open Streets presentation was provided, highlighting the need for exploration of temporary solutions to COVID-19 related issues, specifically the increased need for open space to allow for social distancing.

Community Needs:

- Room to walk and bike
- Safer streets
- More room to dine and gather
- Placemaking

Project Purpose:

- Create a guidebook (visual design guide) that changes the use of right-of-way (ROW) for new demands
- Low cost and easy to implement strategies
- Internal (city) and external (public) processes

What Are Adaptive Streets?

- An application to change the public ROW
- Temporary implementation
- New feature that changes how the street is used
- Implemented in response to a specific need
- Examples:
 - Bring attention to features or configuration at an intersection to improve safety
 - Implement changes to circulation/mobility
 - Can include landscapes/art
 - Support temporary/seasonal needs for the community and travelers

Project Process:

- Currently between the discovery and development phases
- Seeking feedback on the definition

Project Activities:

Discover:

- Review of city plans and documents to identify opportunities for adaptive streets
- Completed 2 focus groups - One with city staff and one with businesses and residents

Define:

- Refining definition and use case for adaptive streets
- Discussions around developing internal processes

Sustainability and Resilience Commission and Neighborhood Advisory Commission Joint Meeting
January 10, 2022

Public Engagement Phase 1:

- Online meeting: Wednesday, January 19, 2022 @ 12 pm
- In person public open house: Saturday, January 29, 2022 @ 9 am
- Online digital engagement activity: Active January 19 - February 13, 2022
- Collaboration with Cul-de-sac
- Fine tune the definition of adaptive streets with public input and determine which strategies are useful in Tempe

Some commissioner questions and comments about the Adaptive Streets Project:

Who contacted the city to start the request and how was the work approved so far?

The Transportation Commission was looking for a safe way to use streets during covid.

Why do they not have means for getting paint in intersections?

Tempe Traffic Engineers take a conservative stance about not interfering with markings on the street. Visual examples of other cities who have successfully used paint in these locations were included in the presentation.

These could offer further engagement with the community by having them create art for intersections.

How can adaptive streets advance climate action goals?

Bonnie shared that Tempe is looking for ways to cool the streets, reduce traffic, and make them safe. These are overlapping goals found within the 20-minute city, the Transportation Plan, and the Sustainability Plan. The Transportation Commission is interested in adaptive bus lanes. Tempe Traffic Engineers would need to be on board with such proposals. A large movable planter containing canopy trees has been created and can be used to block streets and provide shade/cooling/seating during events.

Can a neighborhood request/access temporary traffic calming? Is there an intersection with the neighborhood traffic calming murals?

Various options and possibilities are being considered. The needs of the community need as well as anticipated duration needed for solutions will be part of that. Possibly, some temporary solutions could become permanent.

Why are the neighborhood traffic calming manual and this guide two separate resources?

Traffic calming is very precise and is done with the intent of having formal permanent solutions. This is a process in which we can try out ideas on a temporary basis, which can later be considered for permanent implementation, if needed.

Regarding public input, is there a way to filter neighborhood feedback vs commuters?

Adaptive Streets is a more hands on process between city staff and local businesses and neighborhoods. Because it is temporary, it can be implemented without input beyond the local/adjacent community. Permanent approaches require input from everyone, this likely will not.

Chair Jung thanked Bonnie for her time and noted the additional questions in the chat which Bonnie offered to answer via email.

Sustainability and Resilience Commission and Neighborhood Advisory Commission Joint Meeting
January 10, 2022

Agenda Item 4 – Climate Action Plan Update

Sustainability Director Braden Kay provided a Climate Action Plan (CAP) Update. First approved in 2019, the CAP aligns with Council performance measures for Sustainable Growth and Development:

4.18 - Community Carbon Neutrality by 2050

4.19 - Municipal Operations Carbon Neutrality by 2050, 100% of energy renewable by 2035

This is an update (not a new plan) that prioritizes actions and cost-effective solutions to:

- Reduce contribution to global climate change through reduction of GHG. 99% of our emissions come from energy and transportation

- Address how climate change is already affecting the city - Tempe decided to pick one 'shock' to build resilience to extreme heat. Heat does not have an existing governance system as with problems like flooding or drought

CAP Progress:

Listening Phase: June -December 2020

Planning Phase: Jan-Oct 2021

Review and Approval: Oct 2021-Feb 2022

Four Agendas:

Tempe **Business** (Tempe Chamber of Commerce, Local First Arizona)

Tempe **Youth** and students

Climate Justice (target neighborhoods to address the inequitable effects of climate change and climate injustices)

Tempe **Neighborhoods/residents**

Each agenda identifies: actions, partnerships and highlight actions

Next Steps:

January: Virtual Meeting/Open House

February: Update GHG emissions and recommendations

March: Final Approval

April: Review and consider proposed budget supplementals

Ongoing: Adopt policy, support programs, invest.

Braden emphasized that the CAP Update is important, however the budget and the adoption of policy and investments is even more critical.

Commissioner's questions and comments regarding the CAP update:

Do you have a council person who advocates for you?

Braden stated that all council members voted for this work.

What is being asked of the Council?

Braden reviewed the previous slides to illustrate the investments requested.

What is the expense and how do you plan to move forward to budgeting mobility hubs?

Bonnie noted that the requests will come from the Transportation Department. The Culdesac project is a real example but is still in the development phase. Braden added that we need and are seeking clarity on the type of help needed for living spaces such as weatherization programs which could include changing out of HVAC units, windows and home retrofits.

What is the expected outcome of land stewardship and expand the definition?

Planting native trees and vegetation returns the land to a state of helping people and is supportive of the way that O'otham people treated the land. Not many people are willing to return land to the indigenous communities. How can we respect and honor the land if we do not return it? Responsible stewardship and indigenous land practices can help. This is a tough issue with a lot of ideas and problems. There is a lot of work to be done with engagement and listening to move forward.

What is the timeline for battery storage for EnVision Tempe?

Dependent on what is approved in the budget. A consultant is helping with a wedge analysis, data will then be available for budgeting decisions. Regarding funding positions, it's important to make the council understand the scope of the work of sustainability. There are other smaller cities with far larger sustainability offices.

Chair Jung then brought up the draft letter to Council supporting the CAP Update. Both commission Chairs had reviewed the letter and were asking for their respective members input and support. A preliminary poll of Sustainability and Resilience Commissioners and Neighborhood Advisory Commissioners was conducted to gauge how many would support the letter as written. NAC had sufficient votes for the letter to proceed as did Sustainability & Resilience, but some members requested more time to review and provide comments. There were concerns about the letter text being too vague with no specific call to action and no clarification of aspirational vision versus actionable items.

Chairs Jung and Belec agreed and continued the formal vote for the approval of the letter to their next Commission meetings. Commissioners can send comments and edits to staff who will forward them on to the Chairs for compiling of a revised draft letter.

Agenda Item 5 – State of the Neighborhoods Planning Update

Neighborhood Advisory Commission Chair Moulton Belec provided an overview of this year's re-imagined Neighborhoods event. The 2022 Neighborhood Celebration, formerly known as the State of the Neighborhoods event, is coming up on Saturday, March 26 from 8:30 to 10:30 at Kiwanis Park in the Fiesta Ramada area. Nominations for all awards categories (including the new neighborhood award categories of event, business, and association of the year) are open now through February 15 at tempe.gov/neighborhood-celebration.

Pre-covid, NAC discussed how to make the gathering more inspirational and interactive from connecting community leaders to fostering leadership skills, providing mingling opportunities and working with commissions to drive engagement in commission work. Mayor Woods will emcee this year's celebration. There will be live music, a brief awards ceremony, and opportunities to connect and engage with Neighborhood and HOA leaders and event organizers, Boards and Commission members, prior and

Sustainability and Resilience Commission and Neighborhood Advisory Commission Joint Meeting
January 10, 2022

current honorees, small, local businesses and more. The Arts and Culture and Human Relations Commissions have already agreed to participate, and NAC would like Sustainability & Resilience members to join in too – both by soliciting nominations for all categories and attending the day of event and participating in activities.

Following the awards ceremony, Mayor Woods will direct attendees to the ramada area where a few neighborhood leaders will be sharing information and answering questions about their successful neighborhood and community events. NAC Vice Chair Joel Stern confirmed that the following three events are being highlighted:

- Ditch music sessions
- Tempe Neighborhoods Together (TNT) food drive
- Neighborhood Olympics

Also, following the awards and perhaps prior to, some Boards and Commission representatives will be tabling together. Each will be representing their respective commission and making themselves available to answer questions and promote the work they are doing around topics like grants, climate action and neighborhood engagement.

Neighborhood Program Manager, Shauna Warner, placed the event website link in the meeting chat. Chair Jung requested each Sustainability and Resilience Commission member submit at least one nomination for sustainable business and one for sustainable resident consideration. Various awards applications and event information can be found at:

<https://www.tempe.gov/government/community-development/neighborhood-services/neighborhood-celebration>

Sustainability and Resilience Commission Vice-Chair Burke added that she attended Ditch music and it was a great event. She confirmed she would be at the Neighborhood Celebration and will help provide representation and table coverage for the Sustainability and Resilience Commission as did Chair Jung. All members were again encouraged to come.

Agenda Item 6 – NAC Grants and Communication Working Groups Overview

Chair Moulton Belec provided an overview of NAC's communication and grants working groups. Both were created in 2021 and typically meeting one times monthly outside the regular NAC meeting. Nearly all members participate and are proud of the accomplishments made over the past year.

The goal of the communication working group is to increase and bolster communication in both directions - from residents and commissions to Council and from Council to commissions and residents. Members sought to create their own opt-in list of Neighborhood and Homeowners Association Chairs, now numbering 91 contacts, who they can reach directly. Members also worked with Communication and Media Relations staff to add a neighborhood news email subscription option to the www.tempe.gov/enews section of the city website and prepared an editorial calendar with storytelling and public information outreach suggestions for each month of the year. They have increased awareness of the commission's work including two media mentions and a Kiwanis Club speaking engagement.

Sustainability and Resilience Commission and Neighborhood Advisory Commission Joint Meeting
January 10, 2022

The grants working group is focused on supporting and building awareness of the Maryanne Corder Neighborhood Grant program (tempe.gov/neighborhoodgrants). Goals include helping to increase participation, the diversity of neighborhoods applying, and address the need for additional funding. Members gathered research on which NAs and HOAs received funding in the last five years and the types of projects funded. They learned that often the most engaged neighborhoods apply, and many are repeat, successful applicants. NAC's opt-in list will be used to reach out to some of the under-resourced neighborhoods encouraging them to apply and offering support. An online grants survey is now open to help determine familiarity with the grants program and identify obstacles.

Chair Moulton Belec offered that joint commission goals could be set to encourage resiliency and shade canopy type projects and commission members are welcome to email NAC or staff with their thoughts. Chair Jung expressed appreciation for NAC's camaraderie, particularly on shade and mobility issues, adding that there is a potential pilot program focused on energy efficiency and renewable energy for low-income homeowners that might tie-in to some joint commission goals.

Agenda Item 7 – Adjournment

The meeting was adjourned at 6:27 p.m.

Prepared by: Henry Pearson, Grace DelMonte Kelly & Elizabeth Thomas
Reviewed by: Grace DelMonte Kelly & Elizabeth Thomas

**Smith Innovation Hub and
Maker District
Design Guidelines:
Sustainability**

No. 6700131

01/24/2022



Tempe

Making waves in the desert

Agenda

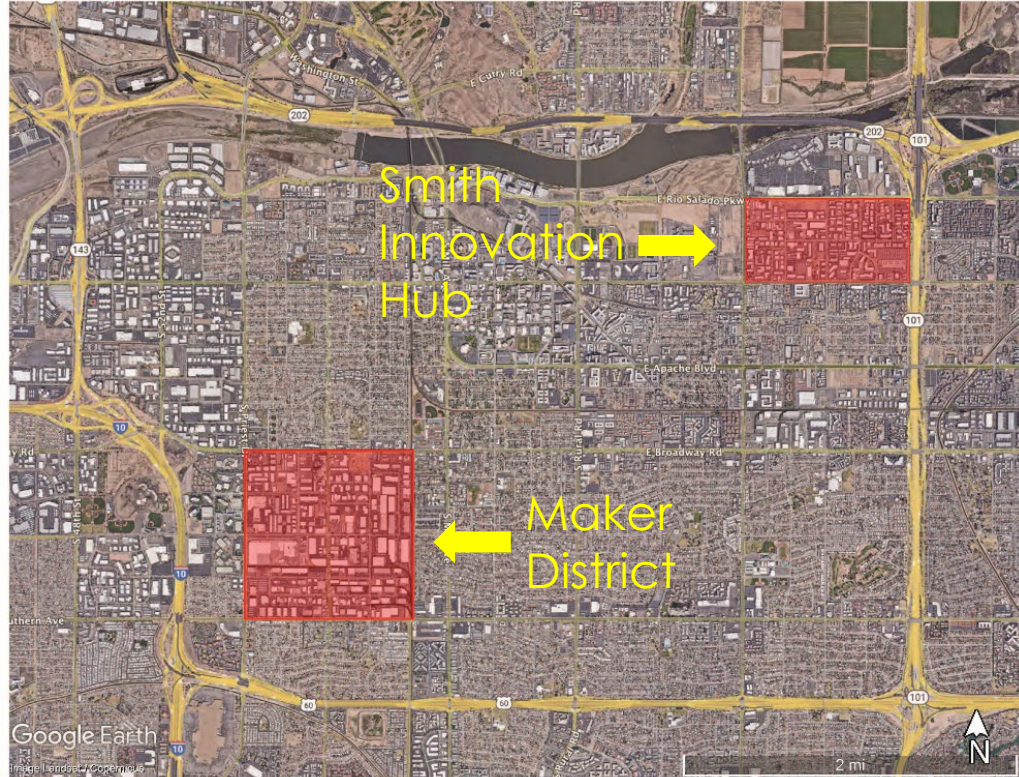
- Preface
 - Smith Innovation Hub Existing Character
 - Maker District Existing Character
- About the Guidelines
 - Table of Contents
- Guidelines for Sustainability
 - Catalytic Strategies
 - Strategies
 - Smith Innovation Hub Asset Map
 - Maker District Asset Map

Preface



The Innovation Hub Initiative which was approved by Tempe City Council on March 1, 2018. The innovation hubs are part of an economic development initiative to enhance key employment corridors to promote new investment, job creation, and placemaking that attracts and retains a quality workforce.

Eight hubs were identified, these reports address the Smith Innovation Hub (SIH) and the Maker District.



Smith Innovation Hub Existing Character



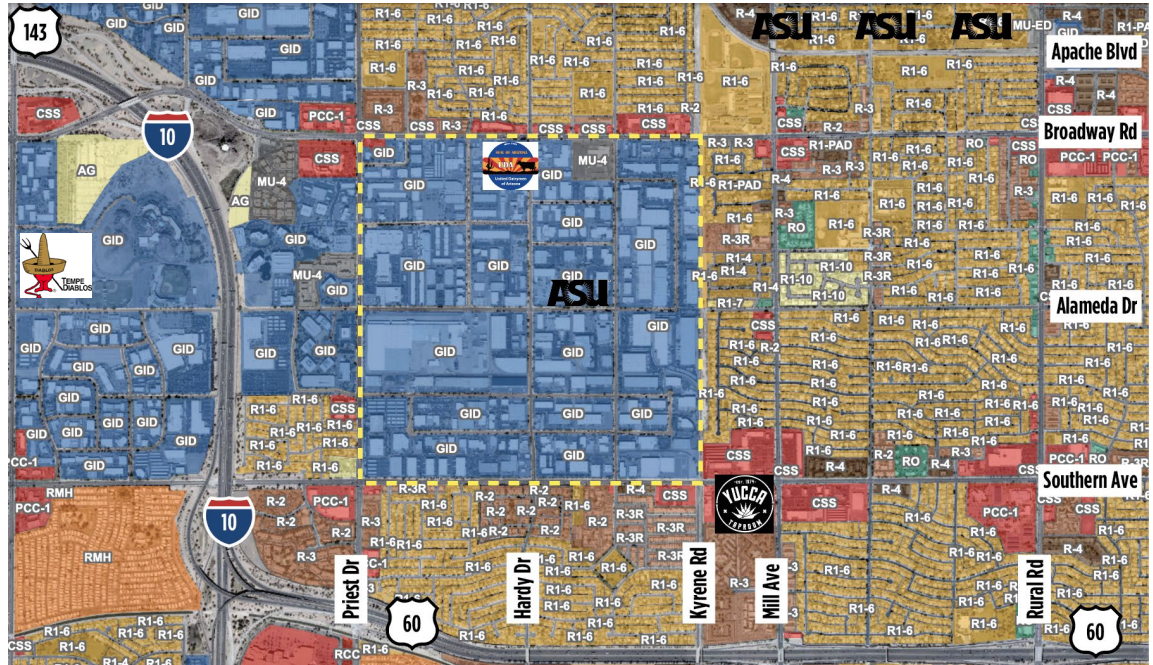
Most of the existing buildings in the Smith Innovation Hub were constructed between 1950 and 1970 and the area was known for its industrial uses. Today it is home to mainly light industrial uses consisting of high-tech manufacturing, construction, transportation/distribution, consumer (primarily auto-related), advanced business, and retail services. It also boasts great connectivity to numerous resources.



Maker District Existing Character



The Maker District is almost a full square mile of commercial, industrial, manufacturing, and distribution uses. There is a prevalence of food-centric processing, manufacturing, and packaging/distribution. It is almost entirely surrounded by single family homes and hospitality (motels, hotels, etc.). It has a proximity to sporting, entertainment, and transportation assets including Downtown Tempe and Sky Harbor International Airport.



About the Guidelines

- Opportunities, visions, strategies that will promote transformation from existing light industrial character to energetic innovative mixed-use ecosystem
- Maintaining and building upon the unique character of each hub/district
- Not about displacing existing businesses but still encouraging new uses that are complimentary
- Making sure we are always incorporating, communicating, and celebrating existing and future successes in the hubs/districts
- Hold development community to standards as new projects are proposed



SUSTAINABILITY GUIDELINES



Sustainability

The sustainability guidelines are meant to align the development of SIH with the City of Tempe's Climate Action Plan and other sustainability-related plans and policies of the city. They not only aim to minimize greenhouse gas emissions but do so in a way that maximizes the potential of that which is already present within the hubs.

Goal / Strategy

I. Green Infrastructure

The US Environmental Protection Agency (EPA) defines green infrastructure as "...an approach to wet weather management that uses soils and vegetation to utilize, enhance and/or mimic the natural hydrological cycle processes of infiltration, evapotranspiration and reuse." Green construction includes planning and design techniques that help preserve the environment, save energy, and promote sustainability.

- a. Reclaim retention and leverage rainwater and condensate for the landscape
- b. Focus should be on creation of surfaces to capture and direct overland flow to landscaped zones (usable retention courtyards, bioswales, permeable paving, parks, etc.)



Table of Contents

The guidelines look at a variety of elements such as adaptive reuse, art, sustainability, tactical infill housing, etc. in its seven chapters that can be used to enhance and amplify the latent potential of the existing properties within the Hub. Many of the elements within the document achieve more than one thing and attempt to achieve the most through innovation and creativity as opposed to spending a lot of money.



DESIGN GUIDELINES



Sustainability

The sustainability guidelines are meant to align the development of both hubs with the City of Tempe's Climate Action Plan and other sustainability-related plans and policies of the city. They not only aim to minimize greenhouse gas emissions but do so in a way that maximizes the potential of that which is already present within the hubs.



Mixed-Use

In order to support mixed use, the hubs should address the concerns (safety, aesthetic, expressive, or environmental) of the people who live, work, or visit there. Resident artisans, artists, and fabricators would often traverse the neighborhood at all hours, making the streets livelier and safer, as do patrons of cultural venues and well-designed streetscapes. Adherence to the guidelines in this section in turn support the city's 20-Minute City Program.



Activating Public and Private Spaces

Active spaces invite people out by providing amenities like benches, tables, refuse containers, etc and are paired with protective microclimates through shading, building adjacencies, landscape, etc. A great challenge currently undermining SIH is business owners and tenants not knowing who their neighbors are and what they do.



Art Integration

Integrating art into design and development extends beyond art as a static output product and values artist input as a means of energizing an innovative ecosystem. Art as a living process supports grassroots interventions that empower a community to express their own authentic culture through woven layers of history and community in the built landscape.



Building Design

A building that relates to the city fabric, to its immediate context, and to adjacent human activity helps unify neighborhood experience and character. New buildings and Improvements made to existing structures should recognize and respond to existing patterns of scale, form, material, and proportion to create continuity, enhance place-making, and reinforce the sustainability guidelines.



Gateways + Signage

Signage is the design of use of signs and symbols to communicate a message. A signage also means signs collectively or being considered as a group. As an architectural element, signage designed following the same set of guidelines communicates a cohesive identity for an area or district and can an additional means of animating and harmonizing a project with its environment.



Multimodal Transportation + Pedestrians

These guidelines serve as basic principles for transportation planning specific to the SIH area. They are meant to complement the Infrastructure Master Plan and Transportation Master Plan while providing newer methods for planning adequate amounts of mobility options that can serve diverse demands and support the 20 Minute City program.

Sustainability Guidelines

Sustainability is integral to all the strategies proposed throughout these guidelines. Proposed strategies aim to align with Tempe's Climate Action Plan. The unique sustainable strategy for both Smith Innovation Hub and Maker District is to tactically infill workforce and artisan housing within light industrial uses to help it transform.

Main Goals

- Align with and implement Tempe Climate Action Plan
- Change the vehicular-dominant nature of the area into a multi-modal/pedestrian environment
- Maintain existing buildings and industrial character
- Improve/enhance existing infrastructure
- Leverage existing assets and by-products



Catalytic Strategies

- Harness public and private investments
- Create business community associations
- Create pilot demonstration projects
- Storytelling and communication of pilot/private project successes and learning opportunities

Strategy - Tactical Infill Housing



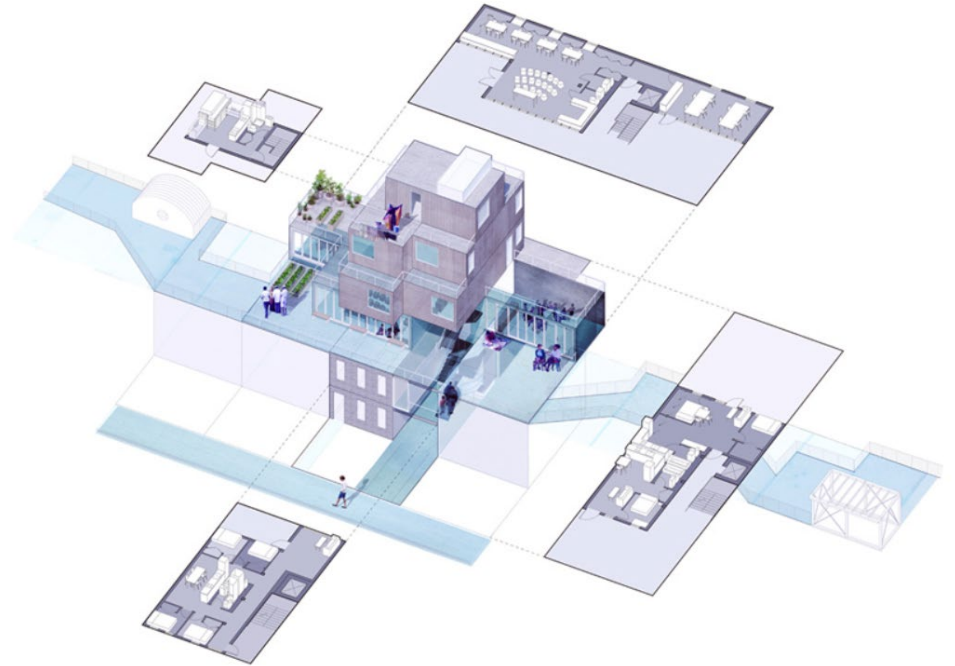
- Affordable housing for artisans and workforce
- Intensification of existing sites, as opposed to clearing away and adding large, market-rate multifamily projects
- Supports multi-modal/ pedestrian environment



Strategy - Mixed Use Programming



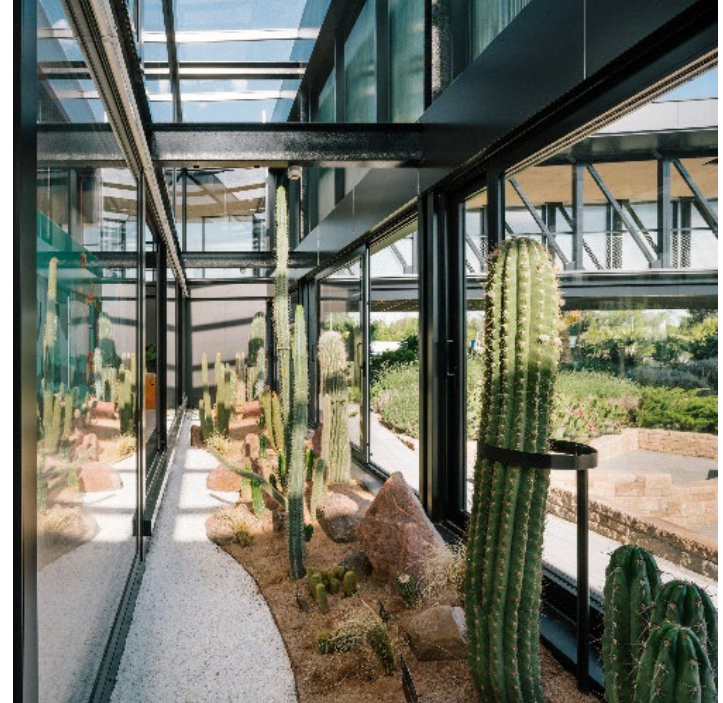
- Flexible existing buildings and unique character of district/hub allows complimentary and transformative uses
- Synergetic opportunities
- Supports multi-modal/ pedestrian environment



Strategy - Green Infrastructure



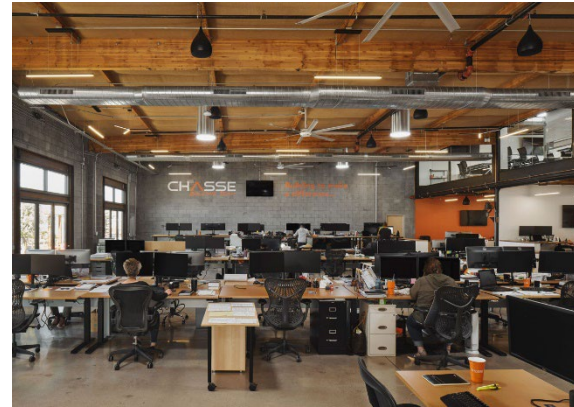
- Improve and reconsider storm water management using bioswales
- Opportunity for pilot project(s)
- Opportunity to change out streetlights with LED lighting



Strategy - Green Buildings



- Adaptive Reuse vs tear down and starting over
- Low embodied carbon footprint
- Energy use reduction through improvements of building envelopes
- Renewable energy opportunities with large roofs and parking lots



Strategy - Upcycling Materials



- Local materials that are by-products of the businesses within the districts/hubs
- Synergetic opportunities
- Art and architectural uses
- Reduces solid waste
- Minimizes life-cycle impact






Strategy - Urban Forestry



- Promotes low carbon neighborhood
- Supports multi-modal/ pedestrian environment
- Contributes to shade network
- Reduces urban heat island effect
- Contributes to resilience for extreme heat



Smith Innovation Hub Asset Map

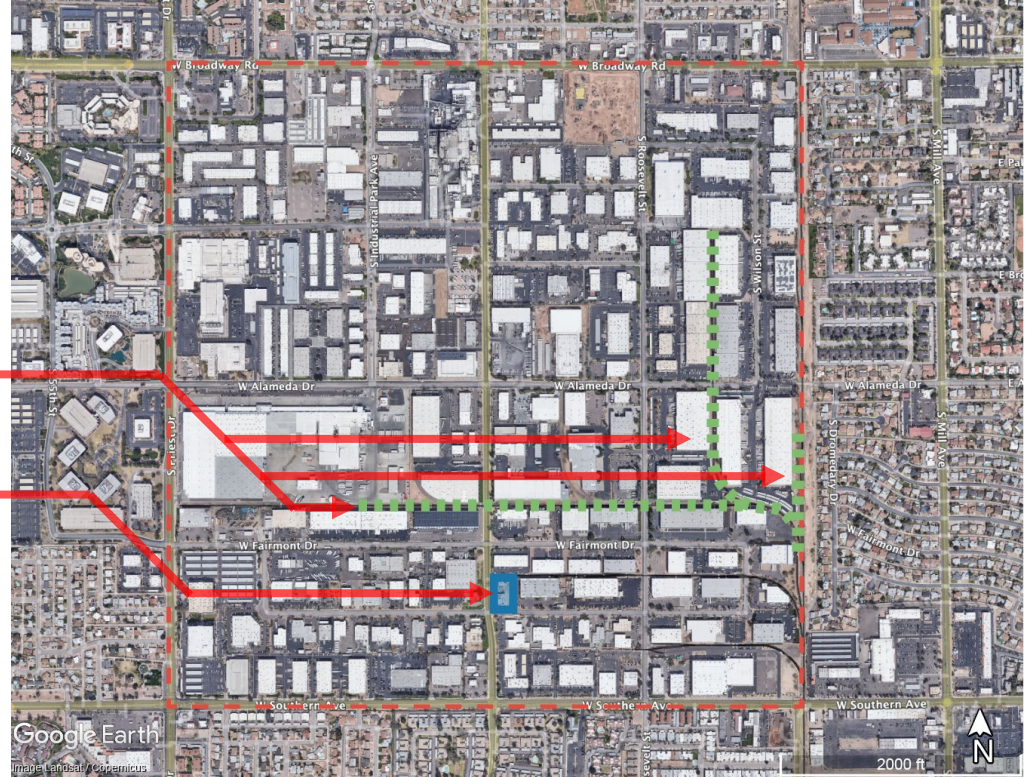
- Short-term long-term lighting improvements 
- Long-term lighting improvements 
- 5th St. bioswale/ linear park potential 
- Existing demonstrative projects 



Maker District Asset Map



- Abandoned rail spurs
- Fire Station No. 2





Thank you

Dear Mayor and Council,

We are writing to express our support of the Climate Action Plan Update.

Climate change is one of the critical challenges of our lifetime. It threatens to dramatically effect our ability to exist on the planet. There is an urgent need to take serious action to reduce our Greenhouse Gas Emissions. We must also deeply invest in programs and infrastructure that allow us to adapt.

The Sustainability and Resilience Commission and the Neighborhood Advisory Commission are proud of the Mayor and Council for adopting the second Climate Action Plan in the state of Arizona. We believe that the Sustainability and Resilience Office has made major strides in developing an approach to reduce carbon and become more resilient to extreme heat.

As you adopt this Update, we hope you will consider the following:

Urgency:

Many on both Commissions would like to see a more aggressive carbon neutrality target. The window to take action on the climate is in this decade. Our hope is that urgency will grow and we can be even bolder in our actions and deepen our investment, especially as climate change disproportionately impacts low-income neighborhoods and BIPOC communities. The Update makes it clear that we need to adopt new building codes, make deeper investments in green stormwater infrastructure, adapt to new modes of transportation with the development of mobility hubs, and ensure our community needs are met with investment in resilience hubs. During the community listening sessions for the Update, it became clear that our residents and businesses need programs in food access, transportation equity, indigenous land stewardship and energy equity. We need to turn these great ideas into policy, programs and infrastructure.

Transformation:

Tempe needs to transform if we want to continue to be a sought after, desirable city. We need to get out of our cars and we need to set the expectation that our utilities divest from fossil fuels with urgency. We won't see the change that our youth deserves without adapting how we move around the city and how we power our homes and businesses. We know that change is hard, but we know that Tempe is up to the task.

Funding:

Tempe is a leader in Arizona on climate action. Our position as leaders in this space will quickly dissipate without deep investments in our buildings, homes, schools and businesses. While we need more city funding to adapt to the much-needed transformation, we also need deep regional, state and federal investment. This plan calls for a new position to support grants and policy because of the need to discover new ways to fund climate action. This plan also calls for deeper investment in policy, programs, personnel and municipal actions. We are expecting to see that reflected in this years budget and city budgets moving forward. We need to think outside of the box to ensure we decarbonize our city quickly and build our city withstand the intensifying summer heat.

Collaboration:

Our Commissions are dedicated to working with the Mayor and Council on climate action. We have residents and businesses taking important steps in this work and it is critical that the City of Tempe supports this work and is a leader in our region and in our state. Thank you for your support of this work and your continued collaboration.

Sincerely,

Neighborhood Advisory Commission and,
Sustainability and Resilience Commission

Hello neighbor,

We are the chair and vice chair of the Sustainability and Resilience Commission. We are a city commission made up of residents, experts, business, and advocates that guide and recommend climate action policy to your Mayor and Council. We have advised staff, attended meetings and briefed elected officials. And we are thrilled to be a part of the Climate Action Plan Update. When we co-created the first plan with Mayor and Council, it was important to us to use five Tempe values as guiding principles to shape the update:

Equity - Race, income and background should not determine a resident's access to clean energy, shade, transportation or housing. We need to support initiatives that address inequality;
Engagement - The city must move away from just informing, to creating co-ownership that allows residents, youth, and businesses to be true parts in change;
Evidence - Data and best practices can ensure we use resources wisely and have impact;
Enterprise - local businesses are part of Tempe's soul and critical partners in building solutions;
Fiscal responsibility - we have limited funds to address climate change and we must be stewards of public funds.

Our Commission worked over the past six (6) years to enhance and secure Tempe's Sustainability and Resilience program and its climate action approach. We are excited to continue this work in Tempe. But we want to be very clear; the actions taken so far are inadequate. Moving forward we need to:

Be more urgent - the science is clear, the window to take climate action this decade is critical;
Welcome transformation - we need to move beyond destructive fossil fuels and fully embrace the clean energy and transportation economy;
Increase funding - Tempe is a climate leader in Arizona, but that means nothing without deep city, regional, state and federal investments in our buildings, homes, schools and businesses;
Collaborate more - "If you want to go fast, go alone. If you want to go far, go together."

We need to encourage our Mayor and Council to make a deep financial investment in emissions reduction and resilience efforts. We have a responsibility to our friends, family, to our children and our children's children to take bold, decisive action today. The Sustainability and Resilience Commission believes this update to the Climate Action Plan is the next step towards a healthier and more resilient future for generations to come.

And we are proud that this plan centers the voices of Tempe residents and businesses at its heart, and we look forward to the investments in action and collaboration that you will make this year. We thank you for working together on this update and continuing to step up to do the big things needed to make Tempe a better and healthier city.

Kendon Jung, Chair
Barbie Burke, Vice Chair
Sustainability and Resilience Commission
Sustainability and Resilience Commission
City of Tempe
City of Tempe

In partnership with Unlimited Potential, Tempe Chamber of Commerce, Local First Arizona, Downtown Tempe Authority, Tempe Students, Arizona State University, and residents like you.

SUPPLEMENTAL BUDGET REQUEST OVERVIEW
FY 2022-23
SUSTAINABILITY AND RESILIENCE OFFICE

Overview

To continue the advancement of sustainability and resiliency goals at the City of Tempe, the Sustainability and Resilience Office recommends the following budgetary requests to further the depth of sustainability programs, policies, and partners. Through these investments, we hope to advance the adopted Climate Action Plan and build upon our collaboration with stakeholders by reducing emissions in energy and transportation and creating resilience to extreme heat. We have organized our request into categories based on the 2019 Climate Action Plan and the 2022 Climate Action Plan Update:

- Office of Sustainability (Total \$168,150)
- Energy (Total \$325,894)
- Transportation (Total \$50,000)
- Resilience and Sequestration (Total \$426,781)
- Climate Justice and Youth (Total \$519,044)

Total supplemental request: **\$1,163,975**

7 FTE total: **\$624,869**

17 non FTE total: **\$539,106**

Office of Sustainability

The Office of Sustainability strives to make sustainability a fundamental aspect of policy work in Tempe by expanding the Office's involvement and engagement within city operations.

Office of Sustainability Total Request: \$168,150

FTE

Climate Policy and Grants Coordinator (#4)

(Recurring \$98,150)

Develop regional, state, and federal policy solutions and develop grant proposals.

Indian Bend Wash Landscaping (#5)

(Recurring \$50,000)

Funding to keep Indian Bend Wash an active and thriving public space that showcases sustainability practices and organic landscaping.

Operating Budget (#21)

(Recurring \$20,000)

Additional funds are needed to support the Office of Sustainability in outreach, consulting services, and hosting regional meetings to move policy and programs forward. The Office survives on a \$10,000 budget, which makes it difficult to carry out the communications and marketing expected by residents and the Sustainability Commission.

Energy

The City of Tempe will work towards emissions reduction in municipal energy by working with key community stakeholders to create new plans and programs.

Energy Total Requests: \$325,894

Energy Equity Program (#16)

(Recurring \$50,000)

Energy efficiency and clean energy have an opportunity to benefit the people that need it most. This funding would continue to support energy training for Tempe residents to provide resources on how to invest in energy efficiency and become involved in regional energy policy.

Energy Equity Specialists (#11)

(Recurring \$87,947)

This position comes out of the recommendations from the Climate Justice Agenda in Tempe's 2022 Climate Action Plan Update. Residents that worked with Unlimited Potential stated a need for the city to support residents in navigating energy use and clean energy programs.

Clean Energy Economy Roadmap (#19)

(One-time \$50,000)

Tempe has an opportunity to work with Chamber of Commerce, APS, and SRP to define a roadmap for the clean energy economy. Workforce development, incentives, cooperative purchasing, and energy scoring are all potential methods to grow an economy around clean and renewable energy.

Business Sustainability Platform (#20)

(One-time \$50,000)

Partnership with the Tempe Chamber of Commerce, APS, and SRP to ensure that Tempe businesses have the information and best practices for investing in energy efficiency. A website, workshops, and business support will ensure that Tempe businesses can benefit when we grow the clean energy economy in Arizona.

Business Sustainability and Community Electric Vehicle Specialist (#23)

(\$87,947 Recuring)

The business community stated a clear need for more outreach and communication and for my support in moving forward the adoption of electric vehicles by Tempe businesses. This position would develop electric vehicle roadmap and implement EV programs for residents and businesses.

EV Fleet Coordinator (Municipal Utilities) **

Position to support Municipal Utilities Department in electrifying city owned fleet and charging stations.

***Requests being submitted by different City Departments. More info when available.*

Transportation

Tempe will advance our multi-modal transportation system by investing in the necessary infrastructure to make public transit the preferred method of travel around Tempe.

Transportation Total Request: \$30,000

Community EV Roadmap (#18)

(One-time \$30,000)

This roadmap would coordinate efforts between the City of Tempe, MAG, APS, SRP, DTA, Tempe Chamber of Commerce, ASU, and other key stakeholders to develop a ten-year roadmap for electric vehicle adoption and charging infrastructure deployment. Cost/benefit analysis to determine carbon reduction, air quality, and public health benefits would help build evidence for the generational investment required to shift to a low carbon economy and transportation system.

Fleet Electric Vehicle Roadmap**

(Municipal Utilities in Fleet CIP)

This roadmap will create a 5-year plan for investing in electric vehicles and charging infrastructure for Tempe's fleet. The plan will outline the investments required to reduce carbon emissions and improve the operations and maintenance of the city fleet. This investment will ensure Tempe is a leader in demonstrating how to reduce emissions and improve air quality through transitioning fleets to electric vehicles.

EV Solar Charging**

(Engineering and Transportation in Solar CIP)

Solar charging during the day takes advantage of the sun to support clean transportation. By demonstrating the use of state-of-the-art solar sharing stations on city property, we hope to model solar workplace charging for the Tempe business community.

***Requests being submitted by different City Departments. More info when available.*

Resilience and Sequestration

Preparing for Tempe's future will allow our city to adapt to disturbances, such as extreme heat, while remaining a livable and equitable urban center.

Total Resilience and Sequestrations Requests: \$426,781

Cool and Resilient Tempe Master Plan and Urban Cooling and Stormwater Feasibility Study (#1)

(One-time \$250,000)

Master Plan to develop vision for cooling, urban forestry and stormwater and feasibility study to determine implementation and funding options. Due to concerns of the General Fund handling of additional stormwater regulation personnel and program costs, this study is needed to determine the feasibility of creating a new urban cooling and stormwater to cover the increasing cost of compliance and the future costs of meeting Tempe's stormwater and urban cooling needs.

Neighborhood Resilience Coordinator (#3)

(Recurring \$ 76,781)

Tempe neighborhoods need support in working with schools, businesses, and residents to keep neighborhoods safe, cool, and connected. The Resilience Fellow will start Tempe's neighborhood resilience program, support resilient energy hubs, in partnership with Neighborhood Services, Community Services and Community Services.

Regional Resilience Initiative (#6)

(One-time \$25,000)

The initiative seeks to support Maricopa County in seeking competitive federal funding for resilience to extreme heat, electric vehicles and energy equity. The project also seeks to explore long-terming funding and financing solutions for urban forestry, green stormwater infrastructure and green buildings.

Residential Green Stormwater Infrastructure (#7)

(\$30,000 Recuring)

This reoccurring request would create a funding stream for neighborhood pilot projects that neighborhoods to apply to the City of Tempe to receive. These projects are critical for demonstrating to businesses and residents that curb cuts, bioswales and bulb-outs can be used to increase tree canopy and vegetation, while reducing potable water use.

Climate-adapted Urban Forestry (#10)

(\$25,000 recurring)

This request will build upon the work completed in the community last year at Thew Elementary School, McClintock High School and Tempe High School. The request covers contracted services for tree planting and outreach. This request will further advance the citywide 25% tree and shade canopy goal while prioritizing student walkways and playgrounds and providing educational platforms and future programming.

Cooling Center Standards (#22)

(\$20,000 One-time)

This request is to hire a consultant to come up with standard operating procedures for operating cooling centers including at the soon to be open EnVision Tempe. The standards will include guidelines for staffing, heat relief practices, communications, awareness outreach and energy cost saving practices.

International Green Construction Code**

(Community Development)

This funding would support Community Development and Sustainability in staff training and consulting required to offer Developers the option of use of the International Green Construction Code. Use of the code will support energy efficiency and promote use of shade and cool materials in order to ensure Tempe's buildings are prepared for the effects of climate

***Requests being submitted by different City Departments. More info when available.*

Climate Justice and Youth

Investments that support implementation of the Climate Justice and Youth Agendas in the 2022 Climate Action Plan Update

Total Climate Justice and Youth Request: \$519,044

Youth Climate Engagement Coordinator (#2)

(\$98,150 recurring)

Young people in Tempe want see the city further engage with school districts and school leadership and we heard a clear desire for programs that support youth in working on food access and production and transportation access.

Backyard Garden Pilot Program (#8)

(\$50,000 one-time)

Pilot program to support residents in growing food in backyards and on multi-family properties

Indigenization and Land Stewardship program (#9)

(\$25,000 one time)

This funding request will support the partnership, projects and policies that will be a result of the partnership with Indigenous Design Collaborative (IDC) that was established to produce projects that integrate Indigenous arts, culture, and design activities across Tempe.

Climate Justice and Indigenous Land Stewardship Specialist (#12)

(\$87,947 recurring)

This position comes out of the recommendations from the Climate Justice Agenda in Tempe's 2022 Climate Action Plan Update. Residents stated a need for the city to support more partners with community-based organizations and local tribes with transportation, urban cooling and land stewardship pilots.

Local Food Access, Production and Entrepreneurship Roadmap (#13)

(\$100,000 one time)

A roadmap for building the local food economy and increasing food access. The roadmap will address racial equity through ensuring that neighborhoods with high percentages of BIPOC (Black, indigenous, people of color) residents have access to local food solutions.

Food Forest Program (#14)

(\$50,000 one-time)

Pilot to promote landscapes on public and private property that increase biodiversity and food production. The pilot would allow the City to select land, establish a for-profit or non-profit partner to develop a food producing and water responsible food forest that could include fruit trees, shrubs, vines and cacti.

Local Food and Green Stormwater Infrastructure Specialist (#15)

(\$87,947 Recuring)

This position will support growing Tempe local food economy and support residents and schools in creating local food and urban cooling pilot projects.

Food Entrepreneurship Training Pilot Program (#17)
(\$20,000 one-time)

The pilot will train a cohort of up to 30 Tempe residents to support the creation of new values-based food business focused on creating high quality jobs and sustainable and low carbon food products.

BUDGET SUMMARY

1. Cool and Resilient Tempe Master Plan Update (Urban Forestry, Urban Cooling and Stormwater Infrastructure) and Urban Cooling and Stormwater Utility Feasibility Study (\$250,000)(one time)

Resilience and sequestration

2. Youth Climate Engagement Coordinator (\$98,150)(recurring)

Climate Justice and Youth

3. Neighborhood Resilience Coordinator (\$76,718) (recurring)

Resilience and sequestration

4. Climate Policy and Grants Coordinator (\$98,150 (recurring)

Office of sustainability

5. Indian Bend Wash Landscaping (\$50,000 recurring)

Office of sustainability

6. Regional Resilience Initiative (\$25,000 one-time)

Resilience and sequestration

7. Residential Green Stormwater Infrastructure (\$30,000 Recurring)

Resilience and sequestration

8. Backyard Garden Pilot Program (\$50,000)(one-time)

Climate Justice and Youth

9. Indigenization and Land Stewardship program (\$25,000)(one time)

Climate Justice and Youth

10. Climate-adapted Urban Forestry (\$25,000) (recurring)

Resilience and sequestration

11. Energy Equity Specialist (\$87,947) (recurring)

Energy

12. Climate Justice and Indigenous Land Stewardship Specialist (\$87,947) (recurring)

Climate Justice and Youth

13. Local Food Access, Production and Entrepreneurship Roadmap (\$100,000) (one time)

Climate Justice and Youth

14. Food Forest Program (\$50,000) (one-time)

Climate Justice and Youth

15. Local Food and Green Stormwater Infrastructure Specialist (\$87,947 Recuring)

Climate Justice and Youth

16. Energy Equity Program (\$50,000) (one-time)

Energy

17. Food Entrepreneurship Training Pilot Program (\$20,000) (one-time)

Climate Justice and Youth

18. Community EV Roadmap (\$30,000 One-time)

Transportation

19. Clean Energy Economy Roadmap (\$50,000) (one-time)

Energy

20. Business Sustainability Platform (\$50,000)(one time)

Energy

21. Operating Budget (\$10,000) (recurring)

Office of sustainability

22. Cooling Center Standards (\$20,000 One-time)

Resilience and sequestration

23. Business Sustainability and Community Electric Vehicle Specialist (\$81,398 Recuring)

Energy

OTHER DEPARTMENT SUPPLEMENTALS

Community Adopt Green Construction Code (Community Development)

Fleet Electric Vehicle Roadmap (Municipal Utilities)

EV Fleet Coordinator (Municipal Utilities)



Tempe Sustainability Award Application: Achievement of the Year 2022



The Sustainability & Resilience Commission asks Tempe residents to nominate people, projects or organizations for the sustainability achievement of the year award. This award is meant to highlight people and projects in our city that are setting an example of how we can create a more sustainable and resilient city.

Who's eligible? Sustainability Awards recognize residents, organizations, youth and businesses that help to strengthen and creatively build the Tempe community through their commitment to and involvement in sustainability.

Who can nominate? Individuals, neighborhood groups, community organizations, and homeowners associations are encouraged to nominate any person, group, or business they feel exemplify sustainability at its best.

Include:

1. Completed form (reverse side)
2. Narrative: Why this nominee or project merits recognition. What has this individual, group, youth or business done to create a more sustainable and resilient neighborhood or community that is "above and beyond" notable? Describe how it meets recognition criteria, 1 page maximum.
3. Letters, emails, and documentations in support of the nomination.

Submit: **Follow instructions specific to this category below**

By Tuesday, February 15, 2022 at 5:00 pm. *Late or incomplete nominations will not be considered.*

Email: grace_kelly@tempe.gov (Subject Line: Sustainability Award Nominee) – or – mail to City of Tempe-Engineering, Attn: Grace Kelly, 31 E. 5th St, Tempe, AZ 85281

Awards will be presented at the Neighborhood Celebration Event on Saturday, March 26, 2022.

Award recognizes excellence in:

- Energy efficiency and conservation
- Water conservation and reclamation
- Sustainable practices such as high-performance building
- Leadership in building and engaging neighborhood communication, projects, activities and improvements
- Creativity and innovation in sustainable solutions
- Unique contributions of time, effort, skills, and/or financial resources to City's sustainable goals and objectives

IMPORTANT NOTE:

The award winner is selected by the Sustainability & Resilience Commission, an advisory board to the Mayor and Council on sustainable initiatives and achievements.

Please complete this form to nominate a person, group, youth or business for Achievement of the Year Award.

Person/group/youth/business being nominated:

Description of nominee's efforts/narrative (attach up to one page)

Nominee Info-complete all fields

Name: _____

Address: _____

Email: _____

Phone: _____

Nominator Info-complete all fields

Name: _____

Address: _____

Email: _____

Phone: _____

Others supporting application:

Name: _____ email/phone: _____

Name: _____ email/phone: _____

Name: _____ email/phone: _____

TO: Sustainability & Resilience Commission and Neighborhood Advisory Commission
FROM: Bonnie Richardson, Principal Planner, Transportation
DATE: January 17, 2022
RE: Response to Comments: Presentation of Sustainable Streets Implementation Guide (1.10.22)

[4:43 PM] Diane Harden

who contacted the city to start this project request? how was this work approved so far?

During the early days of the COVID 19 pandemic, the Transportation Commission asked staff to propose how the right of way could be safely used for expanding restaurant outdoor dining and to provide more space for pedestrians and bicyclists. An initial Open Streets project was presented to the Commission, and that project (95% funding from MAG) has evolved to become the Tempe Sustainable Streets Design Implementation Guide.

[4:44 PM] Kendon Jung

Love the art application

[4:45 PM] Kendon Jung

Why do you not have a means for getting paint approved in the intersections?

The Manual on Uniform Traffic Control Devices (MUTCD) dictates what marks can be placed in the street: 'it is charged with standardizing signs and markings on US roads to promote safer conditions. Yet, after decades of tweaking the manual, rather than fundamentally fixing it (last rewrite in 1971), the MUTCD is now full of seemingly arbitrary and functionally dangerous rules.' <https://nacto.org/program/modernizing-federal-standards/>

The National Association of City Transportation Officials (NACTO) is working to update the federal standards, calling on the Federal Highway Administration (FHWA) to update the MUTCD into a proactive, multimodal safety regulation.

For a more comprehensive overview of how new approaches to street design can promote pedestrian, bicyclist, and driver safety, see:

<https://nacto.org/2021/10/28/a-turning-point-for-americas-deadly-roads/>

<https://nacto.org/2021/12/16/better-guidance-better-streets-better-cities/>

[4:46 PM] Natalie Mendoza (Guest)

Perhaps the art could also be a way to further engage members of the community, by having members create murals and art together.

like 1 heart 1

An inspiring video and great example of citizens working together to improve their community (Corcoran Neighborhood, Minneapolis) with public art in the street can be seen at:

<https://www.youtube.com/watch?app=desktop&v=qhB6zOhbtAg>

[4:46 PM] Linda Knutson (Guest)

I agree Kendon. Very cool.

[4:47 PM] Kendon Jung

How can adaptive streets be used to advance climate action goals? Is there interest from the city to test a dedicated bus lane through this adaptive streets process?

like 1

Adaptive streets strategies can advance climate action goals, using materials that might cool pavements, provide temporary shade in the right of way, or slow traffic to reduce pollution. We can also use the measures to provide a more walkable 20-minute city.

Other cities have successfully used temporary measures to test bus lanes. There are no current plans for Tempe.

[4:47 PM] Hannah Belec

I'm wondering if neighborhoods could request/access temporary traffic calmings.

heart 1

The Adaptive Streets Design Implementation Guide will provide examples of the type of projects that might be appropriate. It will identify the process for initiating a project and citizen and business participation.

[4:47 PM] Hannah Belec

Is there a possible intersection with the Neighborhood Traffic Calming manual or the Corder grants?

The Neighborhood Traffic Calming Guide will address permanent installations, and the Adaptive Streets Design Implementation Guide will provide for temporary uses in the right of way. The Marianne Corder Neighborhood Grant Program supports permanent improvements in neighborhoods. There may be other types of grant funding that will assist neighborhoods and businesses with temporary improvements.

[4:47 PM]

Melanie Larimer (External) has temporarily joined the chat.

[4:48 PM] Nich Weller (Guest)

Yeah I'm actually a little confused about why the traffic calming and this guide are two separate resources.

like 1

The Adaptive Streets Guide allows for temporary uses in the right of way.

The Neighborhood Traffic Calming Guide (previously the STEP Manual) identifies permanent modifications to the street and includes specific conditions that must be met for a project to qualify. Neighborhoods can submit a traffic request form, beginning a process that includes traffic counts, speed assessments and petitioning of local residents. It identifies a variety of street and intersection devices that might calm traffic. Large and small projects have different requirements. The draft plan can be seen at:

<https://www.tempe.gov/home/showpublisheddocument/92475/637696518959070000>

[4:48 PM] Linda Knutson (Guest)

I think it would be a great idea for a Maryanne Corder Grant!
heart 1

The Maryanne Corder Neighborhood Grant Program supports permanent improvements in neighborhoods, so it would not be appropriate for these projects. There may be other types of grant funding that will assist neighborhoods and businesses with temporary improvements.

[4:50 PM] Kendon Jung

How will public engagement filter neighborhood vs. "through-traffic" feedback?
like 1

The public outreach will be tailored to the particular Adaptive Streets strategies used at the particular location, and the temporary nature of the project.

[4:52 PM] Linda Knutson (Guest)

The cities of Oakland, Tucson and Madison have really taken on the "Slow Streets" to build more public space and improve roads for walking and bike use safely. I'm glad to see Tempe is working on this.
heart 1

There are some great examples from a variety of cities!

[4:53 PM] Natalie Mendoza (Guest)

I think that these adaptive streets could certainly be useful near schools.

[4:54 PM] Natalie Mendoza (Guest)

Speed limits are reduced near schools; however, the adaptive streets have the potential to add to children's safety.

School Streets implemented in Hackney London temporarily restrict traffic during the hours when children are coming to and leaving school.

"Participating schools saw a 68 percent decrease in traffic levels outside of school gates during the initiatives' operating hours as well as a 74 percent decrease in vehicle tailpipe emissions of oxides of nitrogen (NOx), PM10, and PM2.5. The schools in the pilot also saw significant changes in travel behaviors: a 51 percent increase in cycling and a 30 percent increase in walking to school rates."

<https://www.youtube.com/watch?v=dlyLZ3IT6jU>

[4:55 PM] Kajfez, Laura

City staff sought a grant to fund the consultant

[4:56 PM] Nich Weller (Guest)

Would things like leading pedestrian/cycling signals be part of this guide?

No, this type of modification would be a permanent installation. Because it would likely occur on an arterial street, the request should be directed to the City Traffic Engineer.

[4:56 PM] Diane Harden

There used to be a process for temporary requests on traffic changes to support events. Why not use this process?

There is an Events Task Force that reviews and approves modifications associated with a specific event.

[4:56 PM] Jake (Guest)

I think this is superb. Increasing the dynamic nature of requests and potentially making room for more permanent solutions if the public and city appreciate various changes. Hopefully leads to higher mobility and adaptability. Thanks, Bonnie.

like 1

[4:57 PM] Diane Harden

What / where is the budget proposal in this update? what would the city council approve?

MAG provided funding (95%) supporting the initial step of developing an Adaptive Streets Design Implementation Guide. Projects may be funded by grants, partnerships, or future city funding.

[4:57 PM] Mark Rude

Have certain areas of the City been prioritized already and/or are their prioritized use cases that the city is recommending?

There are no prioritized areas identified.

[4:58 PM] Diane Harden

Do you have a specific council person who could be the advocate for this effort?

Council will have an opportunity to review the project and public comments at an Issue Review Session on April 21, 2022.

[4:59 PM] Barbie Burke

Thanks Bonnie for your presentation

[5:00 PM] Jake (Guest)

Could this potentially be utilized to test future bike/pedestrian infrastructure?

There will be adaptive streets strategies that address bicyclists and pedestrians in the right of way. Projects will be specific to need and location.

[5:00 PM] Katja (Guest)

This is an exciting initiative, thank you! For the definition, would it make sense to add a qualifier to the third bullet point to inform the kind of community uses envisioned (e.g., you mentioned earlier Safer streets with more room to walk and bike (traffic calming), more room to dine and gather, for placemaking)?

We will provide photos and visual exhibits as we develop the guide, to illustrate opportunities for temporarily modifying the right of way.

[5:00 PM] Linda Knutson (Guest)

Glad to see you are working on this Bonnie! Thank you!

[5:01 PM] Diane Harden

These are to be temporary, so grant funds should not be wasted, in my opinion.

The Marianne Corder Neighborhood Grant Program funds are not available for temporary installations. The value of a temporary adaptation is that, if it is successful and well received by the community, it may lead to permanent improvements. There are other types of grant funds and partnerships that could support the Adaptive Streets strategies.

[5:02 PM] Nich Weller (Guest)

Thanks, Bonnie--I suspect, however, that many residents wouldn't know the difference between the STEP (now traffic calming guide) and this new resource, which may become frustrating or difficult to navigate.

We are making every effort to clearly communicate the difference between the two programs. The temporary nature of the Adaptive Streets approach lends itself to a more simple process that should be easy to understand and implement.

[5:03 PM] Natalie Mendoza (Guest)

Yes, thank for your time!

[5:04 PM] Pearson, Henry

Of course!