PUBLIC MEETING AGENDA



Sustainability & Resilience Commission

MEETING DATE

Monday, May 16, 2022 4:30 pm – 6:30 pm MEETING LOCATION - Virtual Meeting Microsoft Teams meeting Join on your computer or mobile app <u>Click here to join the meeting</u> Or call in (audio only) +1 480-498-8745,,565023865# United States, Phoenix Phone Conference ID: 565 023 865# <u>Find a local number | Reset PIN</u> <u>Learn More | Meeting options</u>

AGENDA ITEM	PRESENTER	ACTION or DISCUSSION
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)	Discussion
2. Approval of Meeting Minutes The Commission will be asked to review and approve meeting minutes from the April 12, 2022 meeting.	Kendon Jung, Commission Chair (4:33 – 4:35 pm)	Action
3. Hayden Flour Mill Redevelopment Staff will provide updates.	Maria Laughner, Deputy Economic Development Director	Discussion
 Adaptive Streets Update Staff will provide updates. 	(4:35 – 5:05 pm) Bonnie Richardson, Principal Planner (5:05– 5:30 pm)	Discussion
 Sustainability and Resilience Annual B&C Report Staff will provide updates. 	Brianne Fisher, Climate Action Manager (5:30– 6:00 pm)	Discussion
6. Fiscal Year 22-23 Budget Supplemental Updates Staff will provide updates.	Brianne Fisher, Climate Action Manager (6:00 – 6:15 pm)	Discussion
7. Housekeeping Items Neighborhood Celebration March 26th	Kendon Jung, Commission Chair (6:15 – 6:25 pm)	Discussion
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 April 11, 2022

Minutes of the Tempe Sustainability Commission meeting held on Monday, April 11, 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 Joyce Vesper Katja Brundiers

(MEMBERS) Absent:

Ryan Mores Stephanie Milam-Edwards (excused)

City Staff Present:

Braden Kay Brianne Fisher Grace Delmonte Kelly Tara Ford Kyle Stevens Tom Duensing

Guests Present:

David Sokolowski Mike Steinhoff

Chair Jung called the meeting to order at 4:30 p.m.

Meaghan Coon Shawn Swisher Jake Swanson Barbie Burke

Agenda Item 1 – Public Appearances

David Sokolowski spoke about the issue of car and battery production. He said that widespread car ownership is incompatible with decarbonization, even with lower emission vehicles. He voiced support for investment in transit services and shelters as opposed to EV infrastructure. He also mentioned supply shortages with EV production.

Agenda Item 2 – Approval of Meeting Minutes

Chair Jung called for a motion to approve the minutes from March 14, 2022.

Motion: Joyce Vesper Second: Shawn Swisher Decision: Approved 10-0 Voted to Approve: Kendon Jung (Chair) Natalie Mendoza Joyce Vesper Katja Brundiers Meaghan Coon Shawn Swisher Jake Swanson Barbie Burke

Agenda Item 3 – Community GHG Emissions Wedge Analysis

Braden had not arrived, so Chair Jung called a motion to skip to item 4.

Motion: Kendon Jung Second: Barbie Burke Decision: Approved 10-0 Voted to Approve: Kendon Jung (Chair) Natalie Mendoza Joyce Vesper Katja Brundiers Meaghan Coon Shawn Swisher Jake Swanson Barbie Burke

Braden spoke about the GHG inventory and accounting work.

- The 2015 and 2020 inventory were recently completed and revised.
 - It is broken up into commercial, residential, industrial, and transportation.
- CAP Community Actions
 - They are trying to connect the recommended actions and the emission reductions that need to happen.
 - They are doing this through a wedge analysis in order to justify their actions.
 - Resilience work is not picked up in the analysis. It is focused on GHG emissions. They will still be working on resilience, but there is better justification for energy/transit work.

Mike Steinhoff spoke about the wedge analysis

- Some analyses take years while this was done in a few months. It is fairly high level.
- Business as usual without local action: over 3.5 million metric tons of GHG emissions in 2050. This is with 50% renewable by 2050
- With 100% renewable: 2.3 million tons of GHG emissions in 2050. The electricity emissions would be 0.
- With summary recommendations: 89% reduction, well under 1 million tons.
- Wedge Analysis Findings:
 - Largest reduction would come from grid renewables and regional EVs.
 Local EVs would have much less of an impact.
 - Additional Strategies
 - Building efficiency
 - Transportation electrification
 - Transit Oriented Development
 - Transitioning to 100% renewable is critical
- Energy Reductions
 - Main Reduction Strategies: Ability to reduce 20% residential and 30% commercial.
 - Largest Impact: Annual reductions for electricity savings are near-term while the grid is carbon heavy. More bang for buck for changing in the near-term.
 - Equity should be a focus of this transition.
- Energy Reduction Investment
 - \$200 million per year investment in existing buildings.
 - \circ Impact

- 20% residential 30% commercial energy reduction.
- 5,800 green jobs
- \$300 million in commercial property values
- \$121 million/year annual cost savings.
- Transportation Reductions
 - o Reduction Strategies
 - Reduce transportation emissions by 91% through transition to EVs and mode shift.
 - \circ Investment
 - \$36 million by 2050 in charging infrastructure to support EV transition.
 - TOD to support mode shift for 18,000 residents
 - \circ Impact
 - Extended Streetcar/BRT
 - TOD avoid \$1.3 million in EV charging infrastructure.
 - TOD avoid over 83,000 MWh of EV demand.
 - Summary Findings
 - Transportation is critical
 - Grid transition is a large factor
 - TOD and building efficiency are "first-in" strategies.
 - Recommendations
 - Support Local Mode Shift
 - TDM/Mobility Hubs
 - Education/Outreach
 - General Plan and Transportation Master Plan
 - Advocate for Regional Mode Shift
 - Work with region for mass public transit
 - Prop 400E
 - Support Local EV Transition
 - EV ready code
 - \$3 million/year
 - Public/Private partnership
 - Community EV Fleet specialist/Policy and grants coordinator
 - Support Local Energy Reductions
 - \$200 million/year
 - Energy and equity specialist

- IGCC Code Specialist
- Solar Ready Code
- 2018 IGCC Code, 2024 IECC and IGCC
- Advocate for regional energy reductions
- Questions
 - $\circ~$ Chair Jung recommended they connect with Alex Conan in ASU facilities.
 - Commissioner Mendoza asked if there are plans to share the analysis with the public.
 - Right now it is just for council, they are thinking of ways to make it understandable for public but they lack resources.
 - Commissioner Vesper asked if they are working with other cities who have done this.
 - Braden said that they have kept track of other programs but there has not been much work done in Arizona.
 - Chair Jung thinks that it is important to use the charts to show the IPCC recommendations for decarbonization.

Agenda Item 4 – Water, Wastewater, and Stormwater Rate Study

Tom Duensing introduced the kickoff of the rate study. This is the process to equitably and fairly set rates. This year is different because a stormwater rate study is being conducted. Stormwater costs are being determined and equitably distributed. They are considering a separate stormwater rate for utility customers. Tempe has a lot of data and can use it to determine the burden on customers. They can ensure that any costs can be defended with this data. They are committed to working the S&RO to get recommendations and include them in the packet to city council.

Kyle Stevens gave the presentation about the rate study.

- The city operated water, waste, and stormwater with a robust water portfolio, looking at long term assets of the water supply.
- Customers have access to an industry leading water conservation system.
- These QOL services add a bedrock to public health.
- Revenue requirements
 - Understand the costs of operations and CIP.
 - Understand any future changes.
- Cost Allocation
 - Take an X-ray of costs, talk with experts, understand what is driving costs.
 - City has a depository of data from AMI meters to connect dots between cost drivers and users.

- Rate Design
 - How much money do they need and who does it come from.
 - What are the communities objectives, what are the local precedents, and how do they conform to industry best practices.
- Communicate Impacts
 - Stakeholder participation, integrate community feedback.
- Stormwater
 - First time adding stormwater rate study.
 - How city manages precipitation events.
 - Aim to reduce flooding.
 - Project into the future and look for unmet asset needs.
 - Regulations are changing which can change costs.
 - Understanding what the options going forward are for collecting costs.
 - Many other cities have a standalone fee for stormwater services because they are very different than water services.
- Benchmarking utility rates
 - Average residential customers bill is very competitive in Tempe.
 - Large volume user bills are also very competitive.
- Timeline
 - This is a several month process.
 - March-April: Introducing to public, obtaining data.
 - May-July: Rate study sessions
 - August-September: Presentations on recommendations
 - October-November: Council meeting to consider adoptions
 - January 2023: If adopted, new rates become effective.
- Questions
 - Commissioner Mendoza asked if the rate design considers how rates will impact low-income/minority groups.
 - Traditionally not explicitly. Often naturally the process will provide customers with a lot of control on their rates. There are often programs that assist in individual circumstances.
 - Chair Jung asked how high water users pay a premium.
 - In Tempe a single family customer has 5 consumption tiers. As you use more water, you will go into higher tiers and pay more. The system is built in order to meet peak demands. Rates are tied exactly to utility costs to provide services. There is a strong incentive to lower usage.
 - Tempe is the only municipality that caps wastewater consumption.
 - Chair Jung said the commission is a champion of water conservation and they are excited to see these changes.

- Chair Jung said they want to support efforts to grow green stormwater infrastructure. He asked what opportunities there are to engage with this process.
 - The biggest recommendation is to work with Braden and Brianne to formulate recommendations and questions through them. They will do their best to take that feedback to council. This is the first stab at the stormwater program with council. There will be a lot of education, which highlights the importance of the information provided by the commission.
- Chair Jung asked if there is an opportunity to include urban cooling into the stormwater infrastructure plan.
 - Braden said they are working with municipal utilities to determine what falls under the prevue of the rare study and what falls under the Resilient Tempe Master Plan. There is a need to coordinate the codes, standards, and plans in the future. This rate study is a first step. It will not fund everything they want right away. It will get people used to the idea of separate funding for stormwater. The later work will be done via the Resilient Tempe Master Plan.
 - Tara echoed that Municipal utilities will be working closely with S&RO.
- Commissioner Brundiers asked how increasing temperatures are accounted for.
- Matt Smith asked how the Tempe Water Conservation goals are integrated into the study. Is it a reactive process of proactive process.
- Commissioner Swanson asked about public outreach campaigns. He asked what they look like and how the information is utilized.
 - Chair Jung said public meetings are held, along with commission feedback. Formal recommendations of adoption, editing, or not adopting will be given.
- Commissioner Swisher asked how the rate study can account for long term resilience of the utility. If the rate includes stormwater infrastructure then he thinks it would be appropriate that green stormwater be a key part of that. He said that the water rate study should consider equity and how water usage effects Tempe residents. He said that the input from public meetings and how it is incorporated should be readily available.

Agenda Item 5- Resilient Tempe Master Plan and Utility Feasibility Study

Braden spoke about the Resilient Tempe Master Plan

- Green Codes and Standards
 - There is traction in community development with the IGCC code.
 - They have not seen traction on green stormwater infrastructure.

- This master plan is trying to accelerate GSI.
- GSI Overview
 - Supports Urban cooling
 - Saves water
 - Captures stormwater
 - Keeps streets clean during storms.
 - $\circ~$ We are heading towards 125 degree summers every year.
 - There is a limited amount of time to ensure that we have the shade and cooling infrastructure.
 - GSI lets us end dependence on potable water, create shade. Very easy way to help prepare Tempe for extreme heat.
- GSI Partners and Collaboration
 - o Internal:
 - S&RO
 - Municipal Utilities
 - Engineering/Transportation
 - Community Development
 - o External:
 - ASU
 - Tempe Residents
 - Private Business
- College Ave Pilot Projects
 - Stormwater diverted from streets into landscape
 - o Trees and vegetation help with cooling
- Dorsey Lane/Lemon
 - o Stormwater diverted into landscape
 - Compost
- Rio/Hardy
- Next Level
 - Funding
 - \$250,000 Master Plan and Utility Feasibility Study
 - \$150,000 Infrastructure
 - o Scope of Work
 - Regulations, Infrastructure, Programs, Ops and Maintenance
- Elements of Scope of Work
 - Infrastructure Assessment
 - New opportunities
 - Permeability Analysis
 - Review existing criteria and data
 - Racial equity and heat vulnerability

- Pilot Projects
 - Review existing
 - Development of GSI typologies for character areas of the city.
- o Urban Forestry Master Plan
 - Coordinate with ASU
 - Communicate benefits of increased vegetation
 - Update private development code to require more trees
 - Tree banking system so if private owners don't have enough trees, there is a fund for more trees elsewhere.
- Utility Feasibility Study
 - Help grow new utility that does GSI and cooling.
 - Have a full understanding of investments, think of what is needed to cover it.
- GSI Standards and Codes
 - Co-develop revisions to design criteria
 - Private property code
- Questions
 - Commissioner Burke mentioned Tucson's GSI and curb cutouts.
 - Commissioner Mendoza spoke about groundwater depletion. She asked if Tempe is facing that problem and how should we communicate to council and public.
 - Braden said that we don't have those specific issues but we want to avoid having them. We need to do this work the next 20 years so that we avoid having to take potable water away from vegetation. We need to invest in GSI that is resilient to extreme heat.
 - Commissioner Swisher mentioned that it is critical for GSI that don't require new development. He asked if the city has incentivized GSI for existing developments.
 - Brianne said that there has been a lot of conversation around incentivizing that.
 - UCMP did not move forward for a variety of reasons.
 - A residential program could help build momentum for existing development additions.
 - o Commissioner Swanson asked how these things are operationalized
 - Braden said the result of these projects will be list of infrastructure projects and programs for investments. The data will help them understand where infrastructure can be placed. Everything won't happen all at once. The idea is to start now and figure out where we need to go next.

- Commissioner Brundiers asked how much water will come from surface water vs groundwater.
 - Braden said that is a question for municipal utilities. They can request them to talk about water resilience.

Agenda Item 6 – FY 22-23 Budget Supplemental Updates

Brianne spoke about the budget.

- April 21 they will be looking at budget supplementals.
- The supplemental list is sorted by priority.
- There is a breakdown of how the list is supporting each measure.
- Budget will be available on Friday of this week in the council packet.
- Braden said a lot of what has been discussed today is reflected in the budget asks.
- Not all of this will get funded, this is a multi-year process. Many of these things have been on the budget requests before.

Chair Jung mentioned the importance of supporting the budget measures. Submitting comment cards or attending the council meeting is very important.

Agenda Item 7 – Housekeeping Items

Community Outreach Event

- Chair Jung voiced his appreciation for those who nominated people for the sustainability awards. He thanked Jake, Meaghan, Shawn, Joyce, Barbie, and Brianne for attending the awards. The event was fantastic and spoke volumes about the work that can be done in the future. He invited attendees to share their takeaways from the event.
- Commissioner Burke said the mayor came by to meet them. There were new residents there who knew what was happening in the commission and were able to speak with the mayor.
- Commissioner Swanson said that there is a lot to work on, but he appreciated the event because of the transparency and accessibility. There were a diverse array of people there, and he felt like Tempe is putting their energy behind communicating with their community. He said everyone was refreshed and excited.
- Commissioner Swisher said that the event felt physically compressed and sort of difficult to navigate because there was so much going on. Overall he said it was great event. The event was very crowded and it was great to meet everyone.
- Chair Jung was excited to partner with the Neighborhood Advisory Commission.

April 21- Budget Supplemental Meeting

- Chair Jung put together a google site to help share contacts and review talking points.
- He encouraged everyone to fill out cards and attend the meeting, as well as encourage others to attend.
- He will be updating the site during the week.
- It will be important for the community to see what material efforts are being done to reflect their input.
- Comment cards are easy but do not carry the same weight as in person attendance.
- There will be an email prompting them to review talking points. Commissioners should respond with the number of comments that they expect to have secured.

Commissioner Swisher mentioned that there are inconsistencies on the Tempe website regarding when the meetings are, and that should be rectified.

Brianne spoke about the Earth Month events listing that commissioners can share to encourage attendance. She thanked Commissioners Swisher and Mendoza for manning the booth at second Sunday. There are more tabling opportunities in the future, especially the weekend of the 23rd.

The Board and Commission recognition event is on May 6th at the TCA. Dinner will be served and the mayor and council will be there.

Agenda Item 8 – Future Agenda Items

Commissioners should send future agenda items through staff.

Chair Jung called for a motion to adjourn.

Motion: Barbie Burke Second: Joyce Vesper Decision: Approved 10-0 Voted to Approve: Kendon Jung (Chair) Natalie Mendoza Joyce Vesper Katja Brundiers Meaghan Coon Shawn Swisher Jake Swanson Barbie Burke The meeting was adjourned at 6:28 pm.

Prepared by: Henry Pearson Reviewed by: Brianne Fisher



Section 1 Team and Company Background

Hayden Flour Mill

Introduction Overview April 2022





VENUEPROJECTS INSPIRED REDEVELOPMENT

- Founded in 2008
- Focus on Creative Infill, Adaptive Reuse & Redevelopment Projects
- Entrepreneurial & Opportunistic
- Community Building & Placemaking
- Context & Cultural Sensitivity Approach
- Story Telling
- Designers, Builders, Developers, Investors and Owner Operators
- Arizona & Civic Pride

Hayden Flour Mill

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• Highly respected firm founded in 1979

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- Recognized leader in commercial real estate development
- Tenured team with extensive experience across multiple sectors
- Demonstrated understanding of complex transactions and public-private partnerships
- Multiple successful projects using land-lease agreements

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Section 2 Relevant Projects

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Introduction Overview April 2022









- Joint Venture Roles focused on areas of strength
- Transit Oriented Fronting Light Rail (2 Stations) / Bus Route
- Blend of Old & New
 Construction Hybrid Project
- Historic Preservation NPS, SHPO, City of Phoenix Preservation Office
- Community & Economic
 Development Placemaking &
 City of Phoenix Prioritization
- Story Telling Architect's Row / Between the 7's / Desert Modern Mid-Century Architecture
- Mixed Use Hospitality Campus in Urban Context
- Arizona & Civic Pride

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Rise Uptown, Phoenix, AZ – September 2020





- Cultural Facilities
- Activation Spaces in Desert Environments
- Exposure to Programming Possibilities & Infrastructure
- Blend of Old & New Construction Hybrid Project
- Arizona & Civic Pride

Desert Botanical Garden – (7) Fee For Service Construction Projects, Phoenix, AZ

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- City of Tempe Public & Private Partnership
- Land & Improvements Lease
- Transit Oriented and Tempe Town Lake Adjacency
- Joint Venture

Marina Heights, Tempe, AZ

Hayden Flour Mill

Introduction Overview April 2022









- City of Tempe Complex Entitlements
- Mixed Use Campus
- Transit Oriented
- Joint Venture

Culdesac, Tempe, AZ

Hayden Flour Mill

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Section 3 Inspiration Projects

Hayden Flour Mill

Introduction Overview April 2022







American Tobacco Campus – Raleigh/Durham, NC

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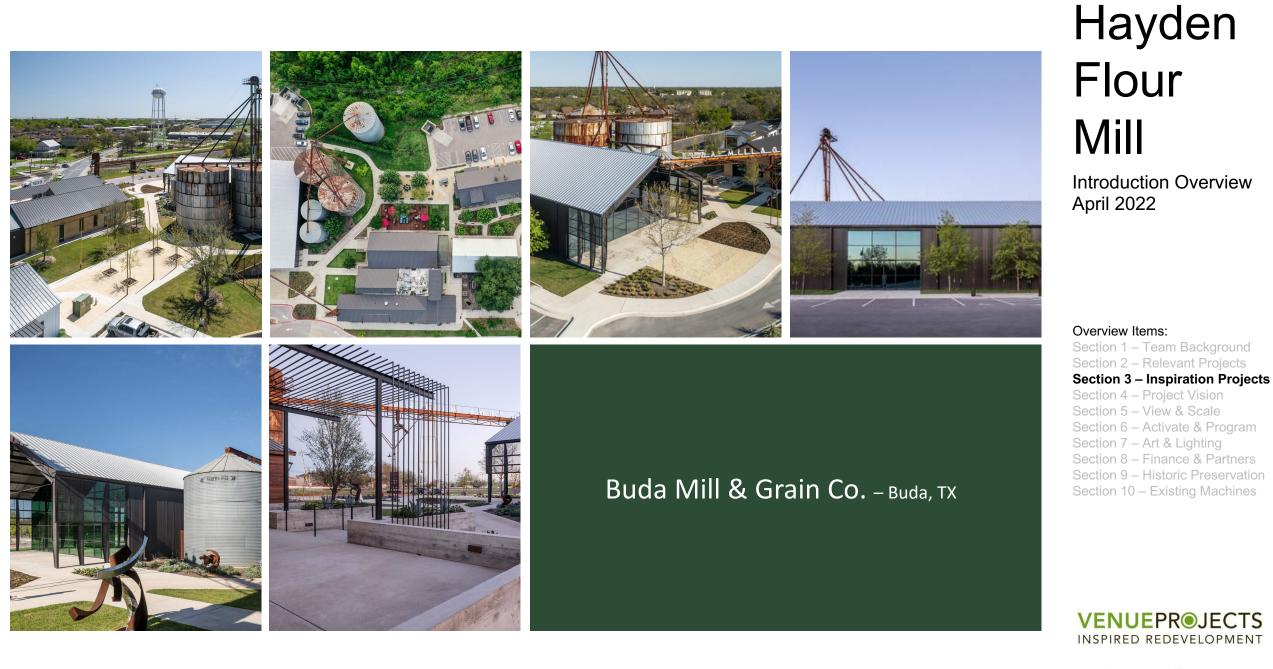
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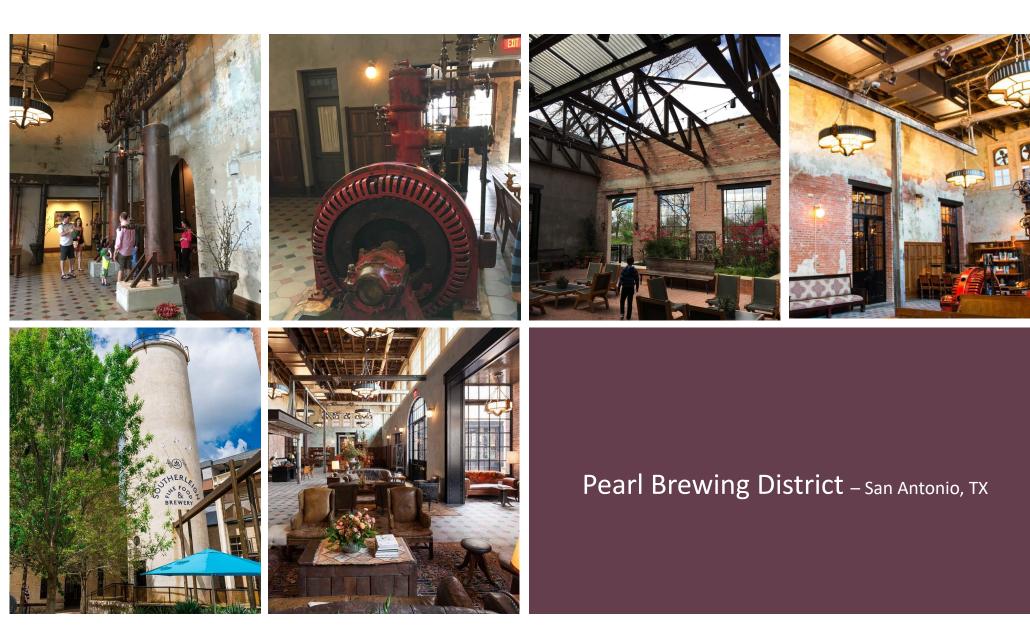
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VENUEPR JECTS

INSPIRED REDEVELOPMENT





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Section 4 Vision for the Hayden Flour Mill

Hayden Flour Mill

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VISION

- Commercial Mixed Use campus Tempe's "Millenium Park"
- Gateway Icon to Downtown Tempe
- Take a light touch and sensitive approach to the site & structures.
- The 1918 Mill and 1950's Silos are the Stars of the Campus.
- New structures are <u>subordinate and secondary</u> in scale & placement.
- An indoor/outdoor program of interconnected terraces & spaces.
- Work within the existing constraints as much as possible to create a "one-of-a-kind" experience.
- An inclusive & welcoming facility for all of Tempe's Residents and Visitors.
- Proactive community outreach and informed design and development process.
- A place that educates, enlightens, nurtures, entertains and nourishes.
- Activation and programming of spaces.
- 5 C's of HFM Culture, Community, Collaboration, Commerce, Culinary.

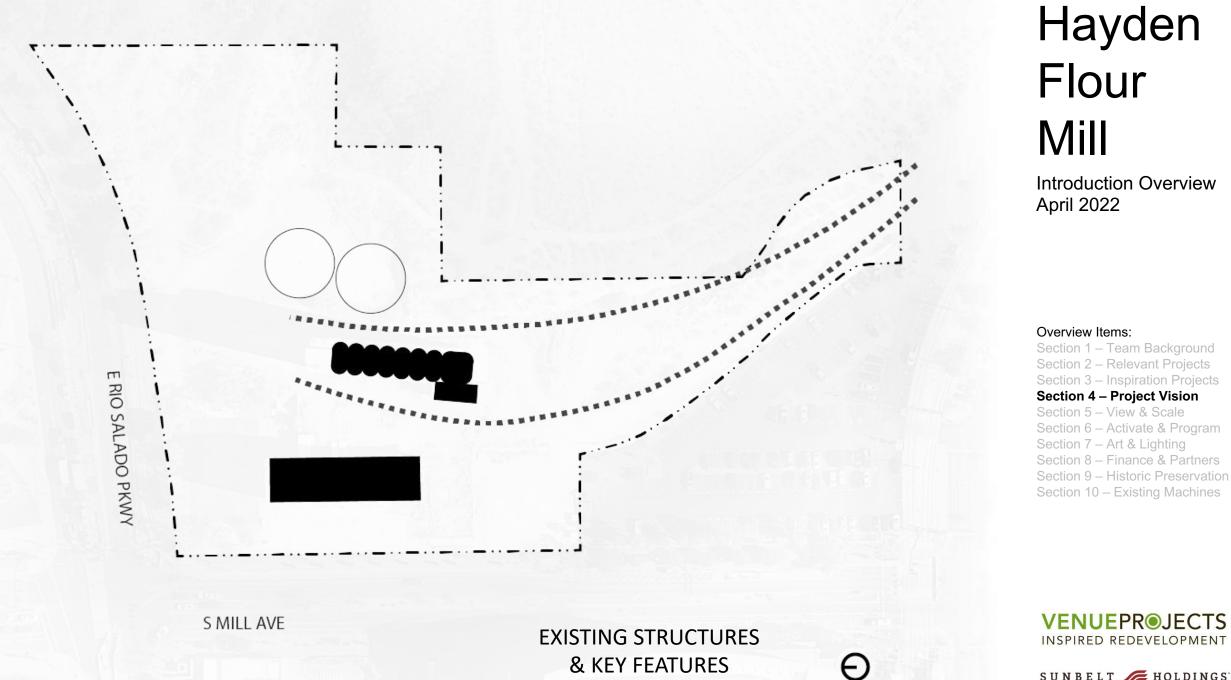
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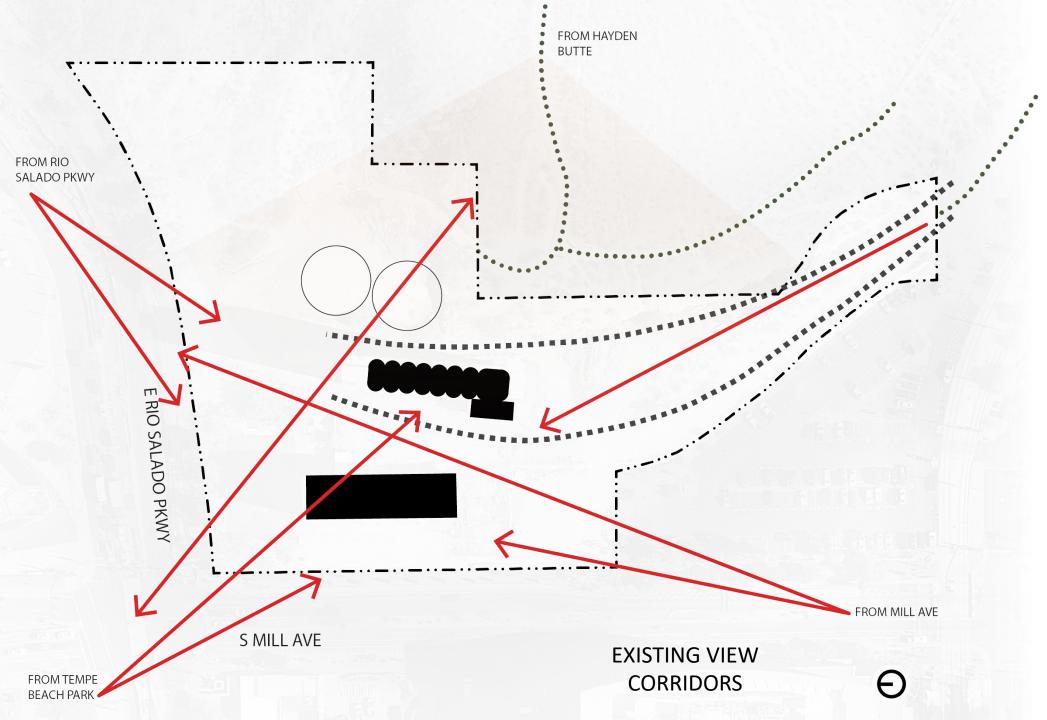
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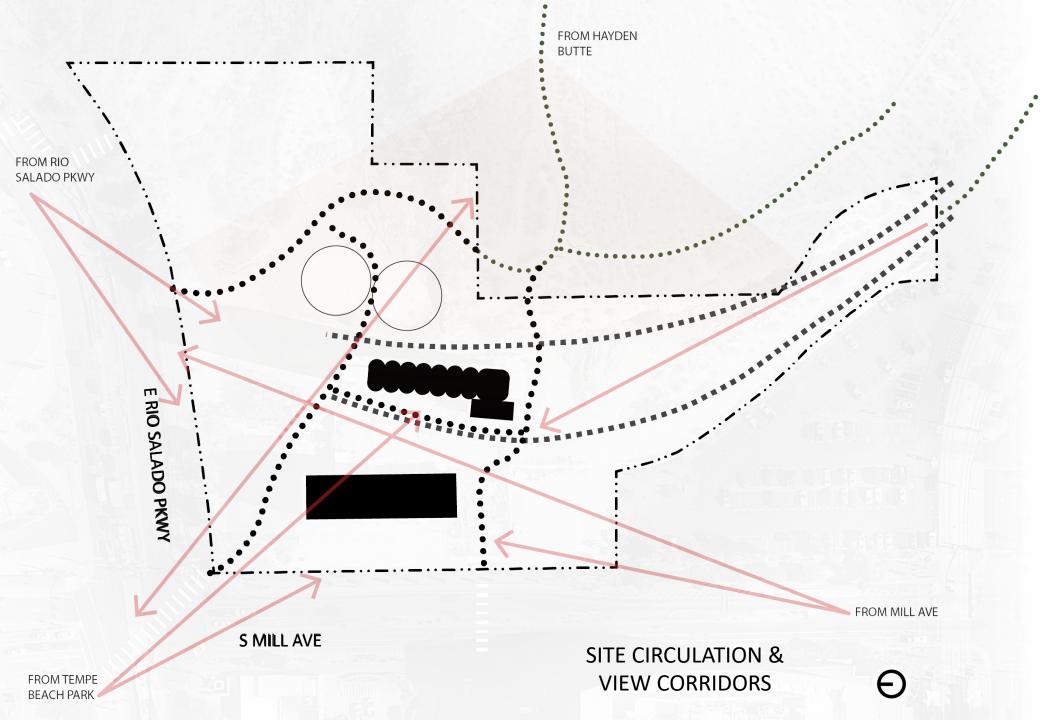


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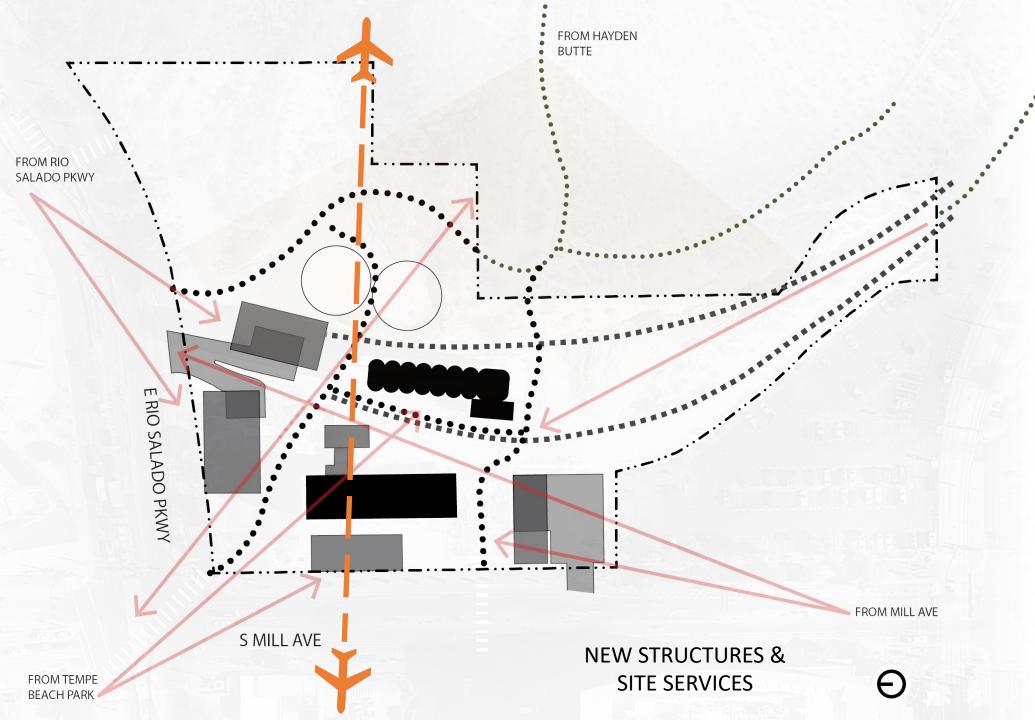


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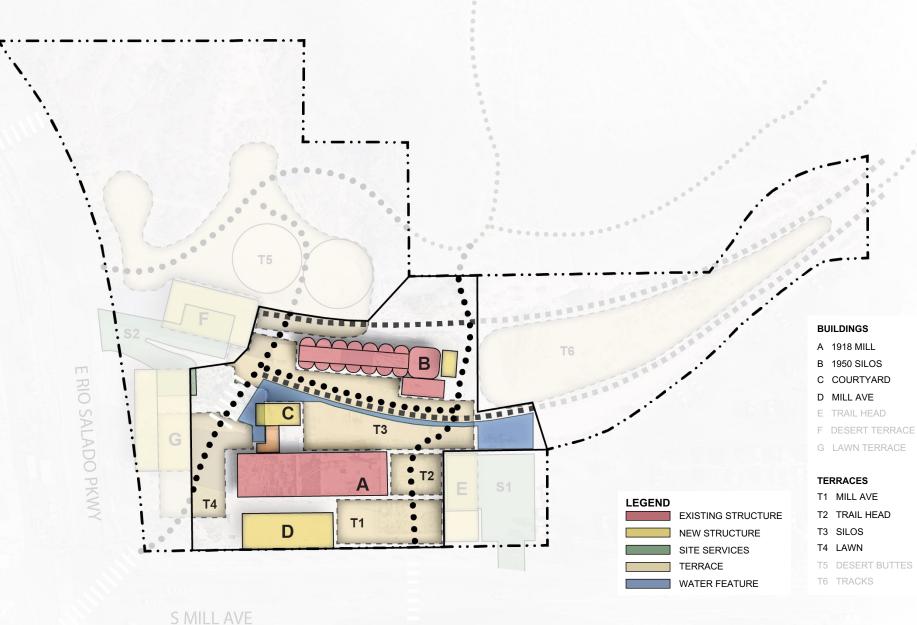
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OVERVIEW



PHASE 1 SCOPE

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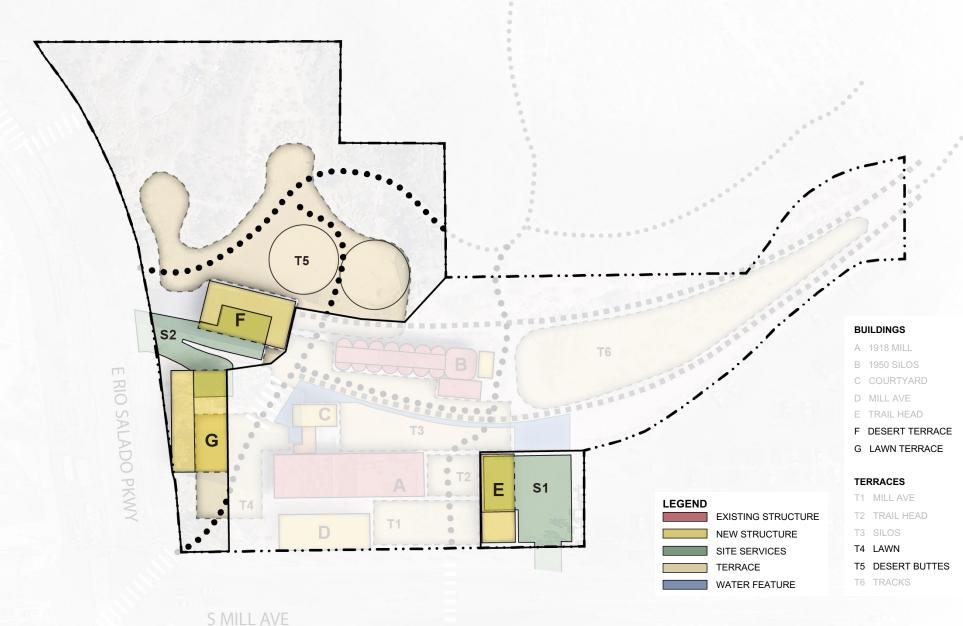
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PHASE 2 SCOPE

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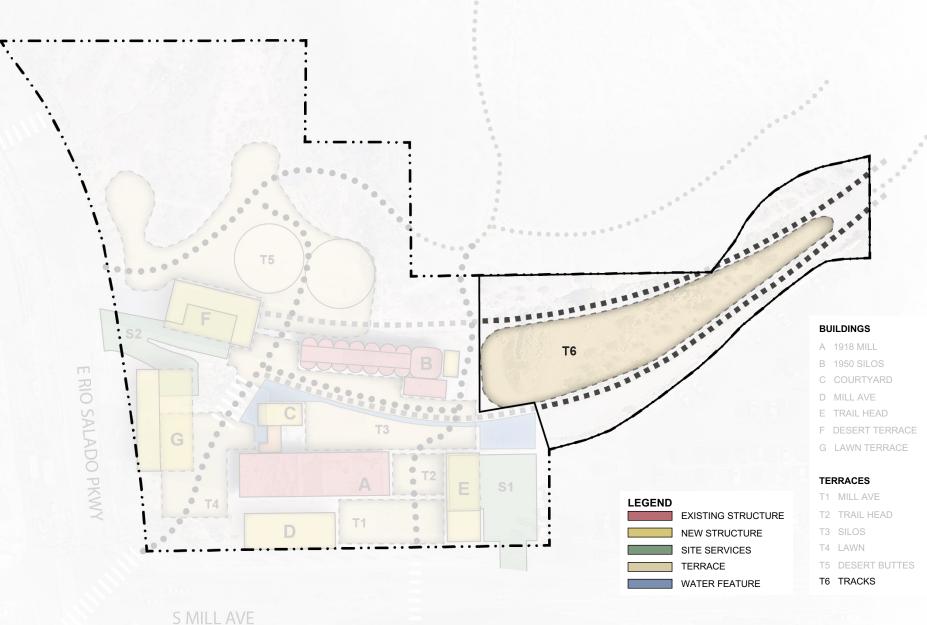
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PHASE 3 SCOPE

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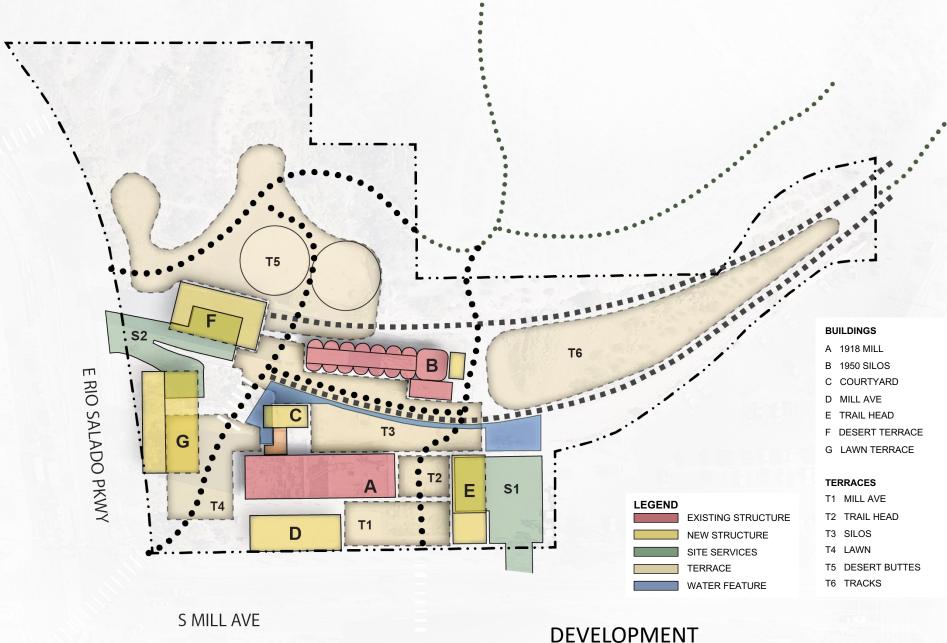
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Hayden Flour Mill

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Section 5 View & Scale Strategy

Hayden Flour Mill

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- Intentional placement of new structures
- Attention to scale and design
- New buildings are subordinate and secondary

Hayden Flour Mill

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VENUEPROJECTS INSPIRED REDEVELOPMENT







- Acknowledge and respect the butte's cultural and historical significance to the Salt River Pima-Maricopa Indian Community, Gila River, Ak-Chin, Tohono O'odham tribes
- Frame and maintain views of the buttes
- Sensitive integration of the Tempe (Hayden) Butte Trailhead into the project campus
- Recognize and celebrate Tempe's landmark

Hayden Flour Mill

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Section 6

Activation & Programming

Hayden Flour Mill

April 2022

Overview Items:

Section 1 – Team Background Section 2 – Relevant Projects Section 3 – Inspiration Projects Section 4 – Project Vision Section 5 – View & Scale Section 6 – Activate & Program Section 7 – Art & Lighting Section 8 – Finance & Partners Section 9 – Historic Preservation Section 10 – Existing Machines







- History related to the founding of
 Tempe, Native American & Latino
 cultures
- Understanding cultural sensitivity
 tied to the site and mill

Hayden Flour Mill

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Performance & Visual Arts



Community Events



- Proactive Outreach to Stakeholders
- Utilize outreach information to inform and inspire creative and responsive design and programming

Hayden Flour Mill

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Section 7 Art & Lighting Opportunities

Hayden Flour Mill

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<image>

- Each installation is an opportunity to include and represent local artists and designers.
- Art can be a way to show and honor the history of Tempe and the site.
- Creative and playful art installations make for a dynamic and unique experience during each visit.

Hayden Flour Mill

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Hayden Flour Mill

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- Creative lighting is critical to delivering a compelling environment and atmosphere.
- Due to Sky Harbor flight path, we'll work with lighting consultants to meet any FAA requirements for building and landscape lighting.
- Lighting and projection mapping offer opportunities to create dynamic, exciting and artful experiences.



Section 8

Creative Finance & Partnerships

Hayden Flour Mill

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- We support any public or private financing opportunities to capitalize the project.
- The redevelopment vision welcomes and facilitates the ability for multiple levels of corporate, organizational and individual sponsorship in addition to conventional financing vehicles.

Examples: Naming and sponsoring trail heads, fountains, buildings, plazas, terraces, site features, art installations/performances and events.



Introduction Overview April 2022



Section 9

Historic Preservation Strategy

Hayden Flour Mill

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Section 10 – Existing Machines





- The process can be bureaucratic and is better if initiated as soon as possible.
- Significant scholarly work and research has already been completed. HFM has been determined eligible for listing and conditional Part II improvements via past collaborations between developers, SHPO & NPS
- Depending on the timeline of future RFP and development agreement processes, we aim to work with consultants and SHPO to prepare the new determination of eligibility or nomination form by end of 2022, targeting Historic Site Review Committee meetings in Nov '22 or Mar '23



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T E M P E PRESERVATION VATIONAL

PARK





Section 10 Existing Structures, Equipment & Material



Introduction Overview April 2022

Overview Items:

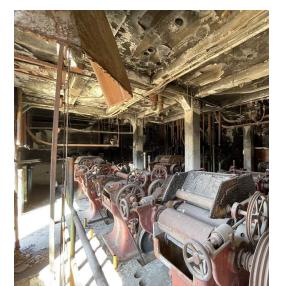
Section 1 – Team Background Section 2 – Relevant Projects Section 3 – Inspiration Projects Section 4 – Project Vision Section 5 – View & Scale Section 6 – Activate & Program Section 7 – Art & Lighting Section 8 – Finance & Partners Section 9 – Historic Preservation Section 10 – Existing Machines

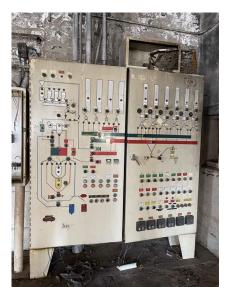


- We will take a reverent, thoughtful, and restrained approach, with interior components salvaged, saved, and creatively reused where possible.
 - Some components may remain in place to be creatively integrated into the interior design/program
 of new uses
 - Some components may be selectively reused in interpretive educational and art installations throughout the property
 - Those significant components that cannot remain or be reused, will be catalogued, removed, and either stored or relocated/donated to relevant community institutions, such historical societies and museums.









Hayden Flour Mill

Introduction Overview April 2022

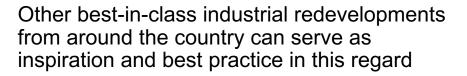
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VENUEPR JECTS





The Hotel Emma, San Antonio, TX - Machinery used as sculptural pieces

American Tobacco Campus, Durham, NC - Infrastructure left in place as backdrops to the exterior spaces

Hayden Flour Mill

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Thank You for your time and support as we work together to sensitively redevelop the historic Hayden Flour Mill and Silos site into a legacy, world class community destination.

Our Promise

- Deliver a compelling vision
- Best-in-class Arizona team
- Experience-based process



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SUNBELT 🌈 HOLDINGS
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Tempe Adaptive Streets Implementation Design Guide

Sustainability & Resilience Commission May 16, 2022





- Provide an overview of the **history and purpose** of the Adaptive Streets Project
- Explain what adaptive streets are and provide examples
- **Outline** the Adaptive Streets Implementation Design Guide
- Identify next steps for the project





Tempe's Previous Successes









An **adaptive street strategy** is a **change to the public right-of-way** (sidewalk, curb space, roadway, median) that:

- is implemented <u>temporarily</u> and relatively <u>quickly</u>
- includes a new feature that changes how <u>some/all of the right-of-way is used</u>
- is location-specific in response to a community need





- a project that permanently changes any aspect of the street
- a project that reduces safety or accessibility/ADA compliance of a public space
- a replacement for other established City programs/ processes related to roadway construction or traffic mitigation/management

Background: The Open Streets Movement

Shift in what the community wanted or needed from public space

Local governments responded ...in a short period of time

City of Tempe: June 2020 Transportation Commission Meeting – Open Streets as social distancing in response to COVID-19







Results of the Open Streets Movement









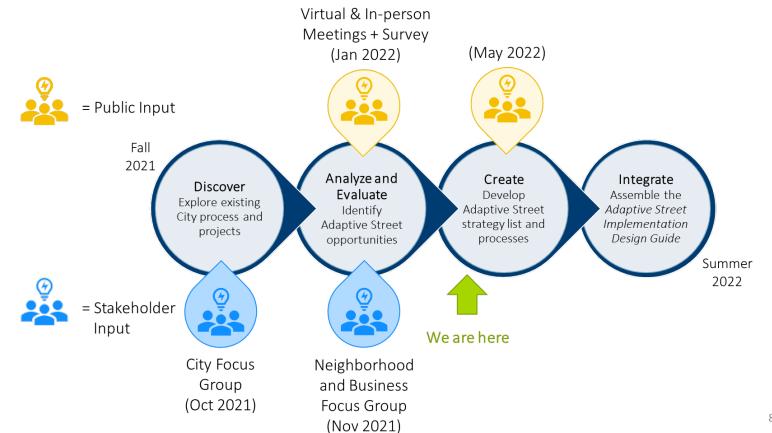






Project Process





Stakeholder and Public Feedback

- Adaptive Streets can support City's goals and initiatives
- Desire for placemaking and community in streets
 Need for a clear process and a faster process





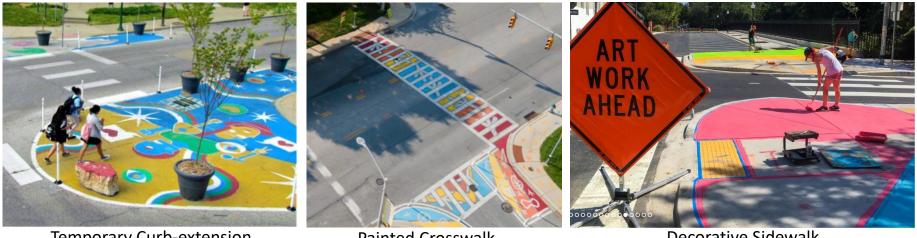








Need: enhanced pedestrian environment at an intersection



Temporary Curb-extension or Bulb-out

Painted Crosswalk

Decorative Sidewalk



• Need: more space to bike



Parklet for bike parking

Temporary Shared/Open Street: local vehicles allowed; street is open to pedestrians and bicyclists

Alternative Curbside Use for dedicated bike lane





• Need: enhanced environment for transit riders



Temporary Shade along pedestrian waiting areas

Decorative Sidewalk at transit stops

Alternative Curbside Use for temporary dedicated transit lanes or separated transit stop

ſ

• Need: more room for outdoor business or community use



Alternative Curbside Use for dining or gathering



Parklet for greenscape or shade





Alternative Curbside Use for retail or community space



• Need: placemaking



Decorative Sidewalk with temporary wayfinding

Painted Roadway

Painted Intersection



- **Decorative Sidewalks** (paint, wayfinding 'stickers')
- Painted Crosswalk
- Decorative Curb Extension/Bulb-Out
- Painted Intersection
- Painted Roadways (mid-street murals, cul-de-sacs)
- Temporary Shade (sidewalks, ped waiting areas)
- Parklets (bike parking, shade, seating, dining)
- Alternative Curbside Use (walking, biking, transit, dining/retail)
- Open/Shared Street

Adaptive Street Design Guide

- How to use design guide
 - Needs-driven process
- Design Standards
 - Strategy sheet for each adaptive street strategy
- Implementation Guidance
 - Application/Request process
 - City review process
 - Example applications/Case studies











Timeframe	Activity
April/May 2022	Assemble Design Guide and Refine Processes
May 2022	Draft Adaptive Streets Implementation Design Guide
May 2022	Presentations to City Commissions
June 2022	Council IRS Presentation

Questions?









Bonnie Richardson City of Tempe Project Manager bonnie_richardson@tempe.gov

Amy Garinger, AICP Kimley-Horn amy.garinger@kimley-horn.com

SUSTAINABILITY COMMISSION 2021 ANNUAL REPORT -



Description as Defined in Ordinance:

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

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

a. Energy management (city operations and the city as a whole);

- b. Climate-action plan with a roadmap of actions to be recommended;
- c. Local food and agriculture;
- d. Livable neighborhoods and happy communities;
- e. Land use and development;
- f. Building practices;
- g. Purchasing practices;
- h. Economic development (green jobs);
- i. Solid waste, recycling, and hazardous waste;
- j. Water and wastewater management;
- k. Transportation;
- I. Dark skies;
- m. Air quality;
- n. Environmental justice; and as of June 2015
- o. Preparedness and resiliency.
- (2) Assist city departments in executing approved policies and programs;
- (3) To support education and outreach related to the city's sustainability practices;
- (4) To identify potential sustainability partnerships with public, private and educational entities; and

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

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

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

Board/Commission Members:	Service Dates: <u>Attendance Record:</u>			
Kendon, Jung	12/31/2021	Attended 10 meetings out of 10		
Mores, Ryan	12/31/2021	Attended 7 meetings out of 10		
Kane, John	12/31/2021	Attended 7 meetings out of 10		
Reinhardt, Gretchen	12/31/2021	Attended 9 meetings out of 10		
Milam-Edwards, Stephanie	12/31/2021	Attended 5 meetings out of 10		
Burke, Barbie	12/31/2021	Attended 10 meetings out of 10		
Russell, Steven	12/31/2021	Attended 7 meetings out of 10		
Jahnke, Sukki	12/31/2021	Attended 5 meetings out of 5		
Brundiers, Katja	12/31/2021	Attended 6 meetings out of 10		
Melis, Anna	12/31/2021	Attended 6 meetings out of 6		
Swanson, Jake	12/31/2021	Attended 3 meetings out of 3		

Name of Chair and Vice Chair:

- Chair Kendon Jung
- Vice Chair Ryan Mores (1/1/21 8/22/21)
- Vice Chair Barbie Burke (8/23 12/31/21)

Staff Liaisons and Contact Information:

Staff Liaisons:	Department:	Phone:	<u>Email:</u>
Braden Kay	Office of Sustainability	480-350-8867	<u>Braden kay@tempe.gov</u>
Grace DelMonte Kelly	Engineering and	480-350-8369	Grace_kelly@tempe.gov
	Transportation		

Meeting Frequency and Location:

Meetings in 2021 were virtual meetings. In the past, meetings were typically held the third Monday of the month at 4:30 p.m. at 31 E. Fifth Street, Engineering & Transportation Conference Room, Tempe, AZ 85281. In 2021, eleven virtual meetings were held.

Number of Meetings Cancelled and Reason for Cancellation:

July meeting was cancelled for summer vacation.

Vacancies and Duration of Vacancies:

Four vacancies occurred in 2021.

Subcommittee and Subcommittee Activity:

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

Mission Statement:

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

Accomplishments (Past 12 Months):

Since the passing of Tempe's first Climate Action Plan in November 2019, the Sustainability Commission has been working with staff to guide the implementation of the highlight actions in the plan: resilient energy hubs, transportation demand management, green infrastructure standards and the adoption of the international green construction code. The Commission also accomplished the following:

- Supported the Climate Acton Plan 2022 Update planning to ensure the update to the plan allows Tempe businesses and residents to have tangible actions to partner with the City to create a citywide movement to reduce carbon emissions and become more resilient to extreme heat. The Commission's work included advising staff on and attending six listening sessions with the following stakeholder groups:
 - Tempe businesses co-hosted by the Tempe Chamber of Commerce
 - o Tempe built environment professionals co-hosted by John Kane
 - \circ $\;$ Tempe social justice leaders including the Equity in Action Coalition
 - Tempe youth including members of MYAC and Library Teen Program
 - Tempe faith-based community
 - Tempe neighborhoods and the General Public
- Supported the advancement of important sustainability investments in the City of Tempe
 - o Transportation Demand Management
 - o Solid Waste Rate Study

- o International Green Construction Code
- o Resilient Energy Hub/EnVision Resilience Hub
- Parks and Recreation Master Plan
- Supported the Office of Sustainability in implementing and obtaining grant resources to advance climate and sustainability goals. Grants implemented include:
 - Pew Charitable Trust Health Impact Project to use heat and health data to inform infrastructure decisions in multi-use bike paths, playgrounds, parking lots and arterial walls (Implemented)
 - GLOCULL grant to advance equitable and inclusive food systems in which city staff produce the Arizona Indigenous Foodways 2020 Yearbook (Implemented)
 - Healthy Urban Environments grant with Arizona State University to use heat and health data to support creation of a urban cooling plan for the City of Tempe (Ongoing)
 - Cool Kids, Cool Places, Cool Futures grant from the Robert Wood Johnson Foundation to create Youth Councils in the Escalante and Gilliland neighborhoods to advance resilience and build a citywide and regional movement for urban forestry, cool materials, and heat relief. (Received)
 - National Endowment for the Arts Our Town grant to fund Wanda Dalla Costa and the Indigenous Design Collaborative to create a Indigenous Design Manual to incorporate indigenous knowledge and perspectives in the Tempe's built environment (Pending)
- Guided Office of Sustainability in creating green recovery strategy to ensure sustainability and resilience are embedded into the COVID-19 recovery efforts. This included supporting the Mayor and Council funding:
 - Energy Equity Pilot Project to support residents in reducing their energy cost burden and learning ways to reduce energy costs
 - Equitable and Inclusive Climate Action: Resources to ensure that Tempe's climate justice efforts support and engage residents with low incomes and small businesses
 - Held a joint Sustainability Commission and Neighborhood Advisory Commission Meeting to discuss:
 - o Climate Action Plan Update neighborhood engagement
 - o Cool Kids, Cool Places, Cool Futures Grant

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

<u>Council Priority</u>: Implementing sustainable growth and development strategies, including improving Tempe's public transit system to meet future needs, by actively seeking innovative technologies and leading the way in creating a more sustainable community.

Climate Action Policy

The Commission seeks to support Mayor, Council and city staff in passing climate action policy that moves forward the implementation of the Climate Action Plan including: resilient energy hubs, transportation demand management and mobility hubs, electric vehicles and electric vehicle infrastructure, green stormwater infrastructure standards and the adoption of the international green construction code. We would like to see the Mayor and Council pass a suite of policies in 2022 and invest in the Climate Action Plan through the budget process that will be finalized in June of 2022.

Climate Action Plan 2022 Update

The Commission will support city staff across departments in completing the Climate Action 2022 that will engage the critical stakeholder groups including, youth, ASU students, businesses, built environmental professionals, the faith-based community, neighborhoods, social justice leaders, and the general public. The update will include new community and municipal Greenhouse Gas Emissions Inventories and actions that each target group want to complete with the city.

Sustainable and Resilient Recovery Efforts

The Commission will support city staff in implementing recovery efforts including:

- EnVision Resilience Hub on Apache, including opportunities to add solar, energy efficiency technology and refrigeration
- Energy Equity Pilot Project
- Equitable and inclusive engagement in the Climate Action Plan Update focused on small businesses and residents with low incomes
- Efforts to close the digital divide starting with members of the Cool Kids project

Grant Implementation (HUE and Cool Kids) and Grant Attraction (NSF, DOE, USDA, FEMA)

The Commission will support city staff in guiding the implementation of existing grants including Healthy Urban Environments and the Cools Kids grant. The Commission will also support the staff in seeking Federal grants including the National Science Foundation, Department of Energy, Department of Agriculture, and the Federal Emergency Management Administration.

More consistent communication and joint activity with Council and other Commissions

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

The Commission also plans to do joint meetings with the Transportation Commission, Neighborhood Advisory Committee, Human Relations Commission, Preserve and Open Space Commission and the Parks Board. The Sustainability Commission firmly believes that boards and commissions should coordinate efforts to advance the city's performance measures and priority areas.

FY22/23 Sustainability and Resilience Funding Summary

	Resilience and Sequestrati	ion					
Rnk	Supplemental	Original	Approved	Difference			
	11	Request	Funding				
1	Resilient Tempe Master Plan and Utility Feasibility Study	250,000	250,000	0			
3	Neighborhood Resilience Coordinator	107,750	107,750	0			
6	Regional Resilience Initiative	25,000	25,000	0			
7	Residential Green Stormwater Infrastructure		30,000	0			
10	Climate-adapted Urban Forestry	25,000	25,000	0			
22	Cooling Center Standards	20,000	0	NF			
	TOTAL	457,750	437,750	20,000			
Climate Justice and Youth							
Rnk	Supplemental	Original	Approved	Difference			
		Request	Funding				
2	Youth Climate Engagement Coordinator	107,750	107,750	0			
8	Local Food Access, Production and Entrepreneurship Roadmap	100,000	100,000	0			
9	Indigenization and Land Stewardship program	25,000	25,000	0			
12	Climate Justice and Indigenous Land Stewardship Specialist	97,450	0	NF			
13	Backyard Garden Pilot Program	50,000	0	NF			
14	Food Forest Program	50,000	0	NF			
15	Local Food and Green Stormwater Infrastructure Specialist	97,450	0	NF			
17	Food Entrepreneurship Training Pilot Program	20,000	0	NF			
	TOTAL	457,650	232,750	224,900			
	Energy						
Rnk	Supplemental	Original	Approved	Difference			
11		Request	Funding	0			
11 16	Energy Equity Specialist	97,450 50,000	<u>97,450</u> 50,000	0			
10	Energy Equity Program Clean Energy Economy Roadmap	50,000	10,000	-40,000			
23	Business Sustainability and Community Electric Vehicle	93,450	0	-40,000 NF			
23	Specialist	95,450	0	181			
20	* ·	50,000	0	NF			
20	Business Sustainability Platform TOTAL	50,000 340,900	0 157,450	NF 183,450			
20	Business Sustainability Platform	340,900					
20 Rnk	Business Sustainability Platform TOTAL	340,900 Original	157,450 Approved				
Rnk	Business Sustainability Platform TOTAL Office of Sustainability Supplemental	340,900 Original Request	157,450 Approved Funding	183,450 Difference			
Rnk 4	Business Sustainability Platform TOTAL Office of Sustainability Supplemental Grant Management and Climate Policy Coordinator	340,900 Original Request 107,750	157,450 Approved Funding \$107,750	183,450 Difference 0			
Rnk 4 5	Business Sustainability Platform TOTAL Office of Sustainability Supplemental Grant Management and Climate Policy Coordinator Indian Bend Wash Landscaping	340,900 Original Request 107,750 50,000	157,450 Approved Funding \$107,750 50,000	183,450 Difference 0 0			
Rnk 4	Business Sustainability Platform TOTAL Office of Sustainability Supplemental Grant Management and Climate Policy Coordinator Indian Bend Wash Landscaping Operating Budget	340,900 Original Request 107,750 50,000 10,000	Approved Funding \$107,750 50,000 5,491	183,450 Difference 0 0 4,509			
Rnk 4 5	Business Sustainability Platform TOTAL Office of Sustainability Supplemental Grant Management and Climate Policy Coordinator Indian Bend Wash Landscaping	340,900 Original Request 107,750 50,000	157,450 Approved Funding \$107,750 50,000	183,450 Difference 0 0			
Rnk 4 5 21	Business Sustainability Platform TOTAL Office of Sustainability Supplemental Grant Management and Climate Policy Coordinator Indian Bend Wash Landscaping Operating Budget TOTAL Transportation	340,900 Original Request 107,750 50,000 10,000 167,750	157,450 Approved Funding \$107,750 50,000 5,491 163,241	183,450 Difference 0 0 4,509 4,509			
Rnk 4 5	Business Sustainability Platform TOTAL Office of Sustainability Supplemental Grant Management and Climate Policy Coordinator Indian Bend Wash Landscaping Operating Budget TOTAL	340,900 Original Request 107,750 50,000 10,000 167,750 Original Original	157,450 Approved Funding \$107,750 50,000 5,491 163,241 Approved	183,450 Difference 0 0 4,509			
Rnk 4 5 21 Rnk	Business Sustainability Platform TOTAL Office of Sustainability Supplemental Grant Management and Climate Policy Coordinator Indian Bend Wash Landscaping Operating Budget TOTAL Transportation	340,900 Original Request 107,750 50,000 10,000 167,750 Original Request	157,450 Approved Funding \$107,750 50,000 5,491 163,241 Approved Funding	183,450 Difference 0 0 4,509 4,509 Difference			
Rnk 4 5 21	Business Sustainability Platform TOTAL Office of Sustainability Supplemental Grant Management and Climate Policy Coordinator Indian Bend Wash Landscaping Operating Budget TOTAL Transportation Supplemental Community EV Roadmap	340,900 Original Request 107,750 50,000 10,000 167,750 Original Request 30,000	157,450 Approved Funding \$107,750 50,000 5,491 163,241 Approved Funding 10,000	183,450 Difference 0 0 4,509 4,509 0 -20,000			
Rnk 4 5 21 Rnk	Business Sustainability Platform TOTAL Office of Sustainability Supplemental Grant Management and Climate Policy Coordinator Indian Bend Wash Landscaping Operating Budget TOTAL Transportation	340,900 Original Request 107,750 50,000 10,000 167,750 Original Request	157,450 Approved Funding \$107,750 50,000 5,491 163,241 Approved Funding	183,450 Difference 0 0 4,509 4,509 Difference			
Rnk 4 5 21 Rnk	Business Sustainability Platform TOTAL Office of Sustainability Supplemental Grant Management and Climate Policy Coordinator Indian Bend Wash Landscaping Operating Budget TOTAL Transportation Supplemental Community EV Roadmap	340,900 Original Request 107,750 50,000 10,000 167,750 Original Request 30,000	157,450 Approved Funding \$107,750 50,000 5,491 163,241 Approved Funding 10,000	183,450 Difference 0 0 4,509 4,509 0 -20,000			

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.

FTE (full time employee)

+ (joint department submission)

Total Resilience and Sequestrations Requests: \$426,781

Resilient Tempe Master Plan and Utility 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 \$81,318)

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 including 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.

FTE (full time employee) + (joint department submission)

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

Youth Climate Engagement Coordinator (#2)

(\$87,750 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.

Local Food Access, Production and Entrepreneurship Roadmap (#8)

(\$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.

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)

(\$97,450 recurring)

This position comes out of the recommendations form 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.

Backyard Garden Pilot Program (#13)

(\$50,000 one-time)

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

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)

(\$97,450 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.

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.

FTE (full time employee) + *(joint department submission)* Energy Total Requests: \$325,894 FTE

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 \$97,450)

This position comes out of the recommendations form 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)

(\$93,450 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.

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.

FTE (full time employee)

+ *(joint department submission)* Office of Sustainability Total Request: \$168,150

Grant Management and Climate Policy Coordinator <mark>+ (#4)</mark> (**Recurring \$107,750**) 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.

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.

FTE (full time employee)

+ (joint department submission)

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.