

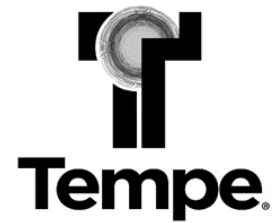
Sustainability & Resilience Commission

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

MEETING LOCATION - Virtual Meeting
Microsoft Teams meeting
Join on your computer or mobile app
[Click here to join the meeting](#)
Or call in (audio only)
[+1 480-498-8745,,238090030#](#) United States, Phoenix
Phone Conference ID: 238 090 030#
[Find a local number](#) | [Reset PIN](#)
[Learn More](#) | [Meeting options](#)

AGENDA ITEM	PRESENTER	ACTION or INFORMATION
1. Public Appearances The Sustainability Commission welcomes public comment for items listed on this agenda. There is a <i>three-minute time limit</i> per citizen.	Kendon Jung, Commission Chair (4:30 – 4:33 pm)	Information
2. Approval of Meeting Minutes The Commission will be asked to review and approve meeting minutes from the January 24, 2022 meeting.	Kendon Jung, Commission Chair (4:33 – 4:35 pm)	Action
3. NAC & SRC Letter to Council in support of Climate Action Plan Update Staff will provide updates.	Kendon Jung, Commission Chair (4:35 – 4:45 pm)	Action
4. Climate Action Plan Update Staff will provide updates.	Braden Kay, Sustainability Director (4:45– 5:30 pm)	Action
5. Climate Action Plan Budget Update Staff will provide updates.	Brianne Fisher, Climate Action Manager (5:30– 6:00 pm)	Action
6. Sustainability Awards Staff will provide updates. Deadline to submit nomination is 2/15/22; Deadline to vote is 2/22/22.	Kendon Jung, Commission Chair (6:00 – 6:10 pm)	Action
7. Housekeeping Items	Kendon Jung, Commission Chair (6:10 – 6:20 pm)	Action
8. Future Agenda Items Commission may request future agenda items.	Kendon Jung, Commission Chair (6:20 – 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 January 24, 2022

Minutes of the Tempe Sustainability Commission meeting held on Monday, January 24, 2022, 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)
Natalie Mendoza
Katja Brundiers

Megan Coon
Shawn Swisher
Jake Swanson

(MEMBERS) Absent:

Ryan Mores
Stephanie Milam-Edwards

City Staff Present:

Braden Kay
Grace DelMonte Kelly
Henry Pearson
Brienne Fisher
Shauna Warner
Jill Buschbacher
Ambika Adhikari

Guests Present:

John Kane
Bryan Esparza
David Sokolowski
Joyce Vesper

Matt Smith
Shane Brennan
Sydney Files
Tom Reilly

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

Agenda Item 1 – Public Appearances

Chair Jung asked guests to introduce themselves.

David Sokolowski addressed the commission. He shared thoughts on items 4, 5, and 6. He believes that we need to create a great transportation system. He wishes that the commission will work with the Transportation Commission to determine which specific investments must be made. He wishes for both commissions to work together and approach council with the same goals.

Agenda Item 2 – Approval of Meeting Minutes

Chair Jung mentioned that some misspellings of commission names need to be corrected on the December 20, 2021 meeting minutes.

Chair Jung called for a motion to approve the joint meeting minutes from January 10, 2022 and the meeting minutes from December 20, 2021 with corrections to name misspellings.

Motion: Barbie Burke

Second: Shawn Swisher

Decision: Approved 7-0

Voted to Approve:

Kendon Jung
Barbie Burke
Natalie Mendoza
Meg Coon
Katja Brundiars
Jake Swanson
Shawn Swisher

Chair Jung motioned to move the NAC Letter of Support to item 3 and move on.

Motion: Kendon Jung

Second: Barbie Burke

Decision: Approved 7-0

Voted to Approve:

Kendon Jung

Barbie Burke

Natalie Mendoza

Meg Coon

Katja Brundiers

Jake Swanson

Shawn Swisher

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

Chair Jung asked for thoughts from the commission about the second version of the CAP letter of support. This letter was drafted by Chair Jung on behalf of the NAC and the Sustainability Commission.

Commissioner Swisher asked for clarification on who the letters are addressed to. Chair Jung clarified that the one letter will be in the introduction to the 2022 Climate Action Plan Update while the other will be sent to Council on behalf of the Sustainability Commission and the NAC. The structure of the letter to residents will be mirrored in the NAC letter.

Commissioner Brundiers stated that she had comments for the NAC letter and wants to ensure they have been seen. Chair Jung assured that they will be.

Agenda Item 3 will be pushed to an asynchronous vote.

Agenda Item 4 – Design Guidelines for Smith and Maker District

Jill Buschbacher spoke about the Smith Innovation Hub and Maker District.

- Design Guidelines will help guide the development community and the city.
- Have been working on this area since 2018. With feedback from citizens, sustainability has been incorporated into the guidelines.
- They seek feedback on how they can better integrate sustainability into the project.

John Kane gave the presentation of the guidelines:

- This presentation is a draft, and they seek feedback from the commission.

- Smith Innovation Hub:
 - Light industrial zoned area with many adjacencies to transit and mixed uses.
 - Finer grained than maker, with numerous existing artisans, crafters, and makers.
 - Many artists work with fabricators and painters in this district.
- Maker District:
 - Bigger than Smith with much larger buildings. More distribution means many semi-trucks going in and out.
 - Adjacent to freeway, numerous hotels, food centric production, and a natural history collection from ASU.
- About the Guidelines:
 - Want to keep the unique character of the district without displacing any existing business, while encouraging new projects in the area.
- Chapters of the Guidelines: Sustainability, Mixed-Use, Public/Private Spaces, Art Integration, Building Design, Gateways + Signage, and Multimodal Transportation + Pedestrians.
 - There is a large amount of crossover between these interests.
- Sustainability Guidelines:
 - They want to align with the CAP guidelines.
 - Change the vehicular-dominant nature of the area.
 - Maintain character while improving infrastructure.
- Catalytic Strategies:
 - Public/Private Investments.
 - Create business community associations
 - Create pilot demonstration projects with storytelling and communication.
- Strategy: Tactical Infill Housing:
 - Provide affordable housing for artisans and workers, woven into the existing framework of the area.
 - They will intensify the existing sights as opposed to clearing the area for market-rate housing.
- Strategy: Mixed Use Programming
 - Starts with residential, but buildings are flexible and allow for various types of uses.
 - Spoke with the arts commission about combining housing, workspaces, supply spaces and more.
- Strategy: Green Infrastructure
 - Integrate bio swales and other stormwater management.
 - Opportunities for various green pilot projects.
 - LED lighting needs to be changed, can use LEDs.
- Strategy: Green Buildings
 - Adaptive reuse of the buildings
 - Energy use reduction with building envelopes.

- Renewable energy opportunities, like solar on the large roofs and parking lots.
- Strategy: Upcycling Materials
 - More useful for Smith.
 - Many local industries create by-products, looking and ways to reuse them and integrate into projects.
- Strategy: Urban Forestry
 - Low carbon neighborhoods, reducing Urban Heat Island Effect.
- Smith Innovation Hub Asset Map demonstrates planned projects which include lighting improvements, infrastructure, bioswales, and demonstration projects.
- Maker District Asset Map showed abandon rail spurs which could become art spaces. Fire station number 2 has opportunities for green building infrastructure. There are large unused right of ways and other potential improvement areas.
- John finished the presentation by requesting questions and comments.

Questions:

Commissioner Mendoza: I notice the sample houses are significantly narrower buildings. Are there enough structural supports to keep these buildings safe?

John replied by saying that these are unorthodox housing units. They will have very flexible spaces within and will not be conventional. They will meet code and be safe. There are a lot of existing spaces in the area that could be converted.

Vice Chair Burke: Will any of them be LEED certified or have any other certifications around IGCC?

John replied that LEED is not an option, but they are looking at ways to ensure that the buildings are efficient. They are looking at ways to reduce the urban heat island effect and increase shade. He believes that they can do this without LEED.

Chair Jung ensured that the Roberts Rule is being followed and asked Commissioner Swisher for his questions.

Commissioner Swisher asked if these guidelines will be codified into the city zoning requirements, or will they be given to developers in hope they follow them.

Mr. Adhikari answered that the guidelines are not zoning ordinances. Once they are adopted, they are taken seriously. When a private developer or the city propose a project, they will ensure the guidelines are allowed. The city is looking at the IGCC. These are not codes, but they become the policy through which the process goes.

Commissioner Swisher suggested that developers will do the least amount that they can. He encourages that they eventually become codified in zoning ordinances.

Chair Jung gave an example of the Carvana project. The council was unable to get the developer to put solar panels on the building. They barely were able to get the developer to make the building solar ready. He echoed Shawn's concerns and asked what the barriers to ensuring a baseline adoption of the sustainable guidelines. He believes these maker spaces will follow the guidelines but wants to ensure that future development follows the guidelines.

Chair Jung read comments of support from the chat:

Commissioner Burke voiced her support of the bio swells idea.

Commissioner Mendoza voiced her support of the adaptive reuse so that we are not creating more waste.

Jill mentioned the example of adaptive reuse in the Circuit and Circa 78.

Commissioner Brundiers asked for details about how the guidelines will align with CAP. John asked for clarification, and Commissioner Brundiers replied that she wishes for clarification on how the guidelines will adhere to the CAP update recommendations. She asks how specific they will be on their adherence to the CAP.

John replied that they can give principles of adaptive reuse and transforming building envelopes. There are fundamental design strategies for desert architecture and the guidelines are designed to help developers see the benefits of these strategies. They have had discussions about the extent to which they can reference the CAP. They are open for suggestions for how they can give this document more teeth.

Chair Jung recommended that they work with city staff to identify pilots that demonstrate the city's goals.

Commissioner Brundiers said you mentioned "gateway and signage" which offers a great connection to a request that will be in the CAP Update: to recognize indigenous land stewardship. The City of Tempe is also exploring changing of street names in this regard. Could this be accounted for here as well?

John replied that they have not gotten there yet, and they will take a look at that.

Commissioner Brundiers offered to share equity maps which highlight the inequities in the two districts.

Chair Jung said mentioning for the record: what are some pilots that Architekton can work with the City to demonstrate concepts that the city is wanting to make progress on?

Commissioner Swisher encouraged that innovation hubs should include green infrastructure. This communicates to the community the importance of water in the desert. It

can be an educational tool, either via the representative nature of the infrastructure or signage indicating the importance.

John agreed and said they continue to look at it. The guidelines will be shared among the districts. He liked the idea of signage to communicate what the infrastructure is doing.

Commissioner Swisher encouraged a large resilience hub be installed in one district. An industrial warehouse would be a perfect place to install one of these places.

The unanswered questions will be recorded in the chat, and Chair Jung asked that Architekton review and answer them after the meeting.

Chair Jung said that they would love to see an updated version of the presentation with their comments. After that, they would like to create a letter of support for the guidelines. He thanked the presenters. They are aiming for May for final approval from council. He clarified that they would like to see answers to the questions and indication that they will include the commissions' concerns in the updated presentation.

Commissioner Swisher asked if they could receive communication on the updates of the guidelines in order to ensure their support. Commissioners can attend public meetings to see the progress and provide support.

Agenda Item 5 – CAP Intro Letter

Chair Jung asks for support for the letter to be included in the 2022 CAP.

Commissioner Coon mentioned that the guiding principles all start with the letter “E” except for “fiscal responsibility” and thought that it could be changed to “Economic responsibility”. Chair Jung replied that perhaps in a future version the alliteration could be added.

Chair Jung called for a motion to approve the intro letter as written to be included in the CAP update to the public.

Motion: Barbie Burke

Second: Shawn Swisher

Decision: Approved 7-0

Voted to Approve:

Kendon Jung

Barbie Burke

Natalie Mendoza

Katja Brundiers
Megan Coon
Shawn Swisher
Jake Swanson

Agenda Item 6 – CAP Update

Braden spoke about the CAP Update.

There will be two public events. 3 pm on Wednesday they will present to the sustainability and resiliency commission, then a public forum after. Saturday morning 9-11 at Tempe library will be an open house. A native plant and shrub giveaway will take place at the open house.

They have 12 actions coming from the plan, with 4 highlight actions. They have been renamed to three actions: Resilient energy hubs, transportation demand management and mobility hubs, and green codes and standards.

Resilience to extreme heat:

- Our extreme heat days will continue to increase, so it is important to change the way we build cities.
- Heat effects people differently and focus needs to be placed on the most vulnerable. These areas need much deeper investment in cooling infrastructure
- Need to communicate why this is an important issue.

Climate action in Tempe Stories:

- Downtown Tempe Authority worked with Local First on water audits for local businesses.
- Unlimited Potential works with residents experiencing energy insecurity and extreme heat. They realized that residents have a lot of ideas on how they can improve their communities. SRP agreed to do deeper listening to residents and have said that they are ready to change their Empower program. This is an example of how listening to marginalized voices can help us find solutions.
- The city has created a new Sustainable Facilities Plan. Changes are being made across city buildings with improved lighting efficiency.
- These are a few examples of what climate action looks like. They showcase how we can make our city better for everyone, and how much opportunity there is for this change.

CAP Progress:

- Agendas done with public/private partnerships.
- Youth Agenda:

- Food Equity
 - Never had these in budget requests, will be in this one.
- Transportation Equity.
- See more collaboration with school leaders.
 - Proposal for youth climate engagement coordinator position.
- Highlight Action: Green Stormwater Infrastructure
 - Pilot program in schools
 - Specialist position
- Business
 - Water Conservation
 - Energy Efficiency
 - Partnerships with Local First
 - Highlight Action: Mobility Hubs
- Climate Justice
 - Heat Awareness and energy.
 - Upgrades to homes.
 - Land Stewardship.
 - Indigenization of Tempe, partner with tribal members on sustainability work.
 - Supporting urban forestry and sustainable landscapes.
 - Partnerships with community-based organizations.
 - Highlight Action: Resilient Energy and Resilience Hubs
 - Community Resilience and Self Sufficiency through workforce development, housing support, healthcare, and education
- Neighborhood
 - Review of the work contains elements from the other agendas.

Proposed Investments:

- Policy
 - Building Codes, Energy equity program
 - Residential green stormwater program
- Personnel
 - Neighborhood, Youth engagement, policy and grants coordinators.
- Infrastructure
 - Transit shelters, BRT, Streetcar extension, urban forestry.
- Municipal
 - Green City building policy
 - Sustainable facilities
 - Workforce EV Charing and EV feet roadmap
 - Energy efficiency retrofits
 - Resilient energy hubs

- Grants
 - Climate sensitive Urban Forestry
 - Install green stormwater infrastructure.
 - Work in schools.
 - Cool Kids
 - Working on youth councils that support neighborhood, city, and regional change.
 - Eventually need cooling authority across Maricopa County.
 - Modeling that at schools and neighborhoods.

Next Steps:

- February: Update GHG Emissions and Recommendations.
- March: Final Approval
- Ongoing: Adopt policy, invest in infrastructure.

Questions:

Chair Jung mentioned that the updated presentation is very helpful to aid in understanding of the CAP. He asked Braden to summarize his top budget requests

- Braden said there are 23 requests, and they are ordered by importance. They hope to get somewhere between 5-10 of those requests funded in one year. They don't expect to get all of those to be funded. It is unlikely they will go from 2 staff to 9. They would really like the coordinator positions to continue the community engagement work and they need to take advantage of federal money with a grant coordinator.
- They are most excited about the cool and resilient master plan.
- The five main asks are the three coordinator positions and the master plan, along with the Indian Bend wash program.

Chair Jung noted that he was grateful that it was clear that all these requests are not coming from the sustainability office. They are getting traction within the city to change their processes in various departments.

Commissioner Mendoza mentioned that in the presentation there is a list of budget requests that was formatted with parentheses around the dollar amount requested and whether it was one time or recurring, but the formatting was inconsistent. She suggested keeping the format consistent.

Commissioner Swisher talked about a pilot program for a one-time fund and future recurring. He mentioned that single cool areas in homes do not address the energy use issue.

The remaining questions will be followed up on.

Agenda Item 7 – Sustainability Awards

Chair Jung wants the commissioners to submit nominations. They close on Feb 15 but should be submitted before that. There are resident, neighbor and business positions. He will send out an email update to remind everyone. There have been a few already submitted. Vice Chair Burke has submitted one and encouraged others to submit as soon as possible.

Agenda Item 8 – Housekeeping Items

Virtual CAP Update on 25th.

In person event on Saturday and the library the 29th from 5:30-7:00.

A poll was done to determine when to start future meetings. The next meeting will be changed to 4:30 to allow more people to attend.

Agenda Item 8 – Future Agenda Items

Chair Jung requests any items be sent to staff.

Chair Jung asks for motion to adjourn at 4:59 pm.

Motion: Barbie Burke

Second: Natalie Mendoza

Decision: Approved 7-0

Voted to Approve:

Kendon Jung (Chair)

Barbie Burke (Vice-Chair)

Natalie Mendoza

Katja Brundiers

Megan Coon

Shawn Swisher

Jake Swanson

The meeting was adjourned at 5:00 pm.

Prepared by: Henry Pearson

Reviewed by: Grace DelMonte Kelly

Dear Mayor and Council, (V2)

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

Climate change is one of the critical challenges of our lifetime. Many on the Commission would like to see a more aggressive carbon neutrality target. Just last year, there was 20 billion-dollar climate and weather disasters in the United States alone. It threatens to dramatically affect our ability to exist on the planet. There is an urgent need to take serious action to reduce our Greenhouse Gas Emissions. We must 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 do so while consider the following:

Urgency - “The best time to plant a tree was 20 years ago. The second best time is now.” This work requires time we don’t have. We must take bold action and invest earnestly in our communities today;

Transformation - Tempe needs to transform if we want to continue to be a sought after, desirable city. We know that change is hard, but our future depends on it and we know that Tempe is up to the task;

Funding - Our residents and business have spoken and we have answered. This Update reflects our communities’ priorities and we need deep city, state and federal investment to realize their vision;

Collaboration - In Tempe, neighbors help neighbors. This Update was extensively co-developed with the community and outlines opportunities to double our impact through community partnerships.

We need to think outside of the box to ensure we decarbonize our city quickly and, build Tempe to withstand the intensifying summer heat. Tempe Residents and Businesses are already taking important steps to help Tempe remain a Climate Change leader in Arizona. The Update turns the great ideas we heard from residents, neighborhoods, students, businesses, and faith-based organizations into policy, programs and infrastructure. It is critical that the City of Tempe supports their work and meets them halfway by adopting AND investing in the Climate Action Plan Update.

Our Commissions are dedicated to working with the Mayor and Council on climate action. Thank you for your support of this work and your continued collaboration.

Hannah Moulton

Chair, Neighborhood Advisory Commission

Kendon Jung

Chair, Sustainability and Resilience Commission

2022 Climate Action Plan Update

Work Study Session

February 17, 2022



Tempe

Making waves in the desert

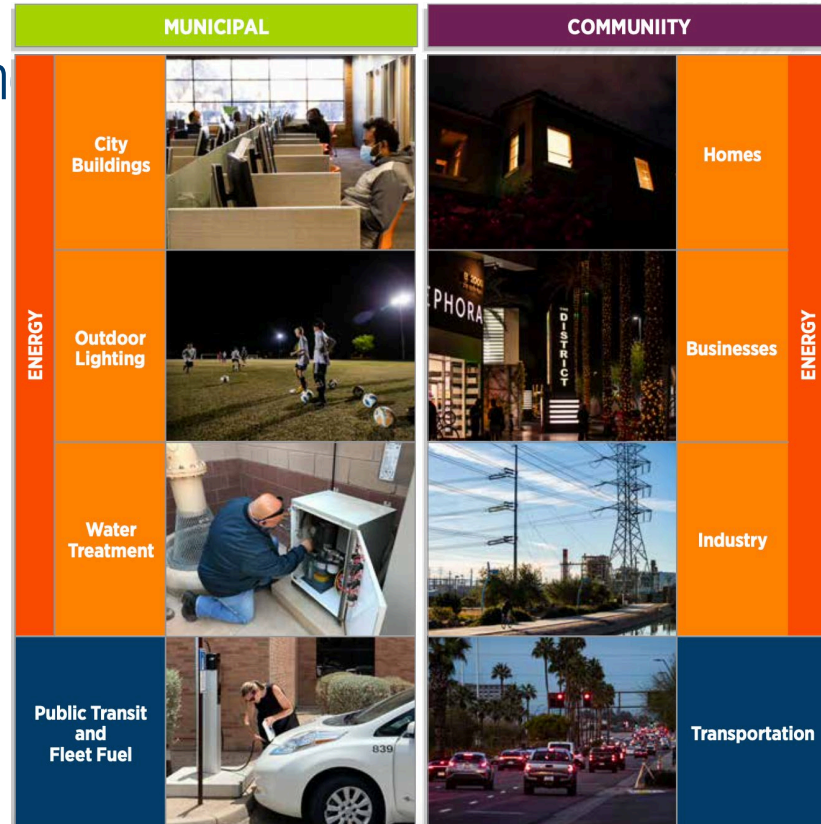
Performance Measures

- Sustainable Growth and Development
 - 4.18 Community Carbon Neutrality
 - 4.19 Municipal Operations Carbon Neutrality



Climate Action Plan

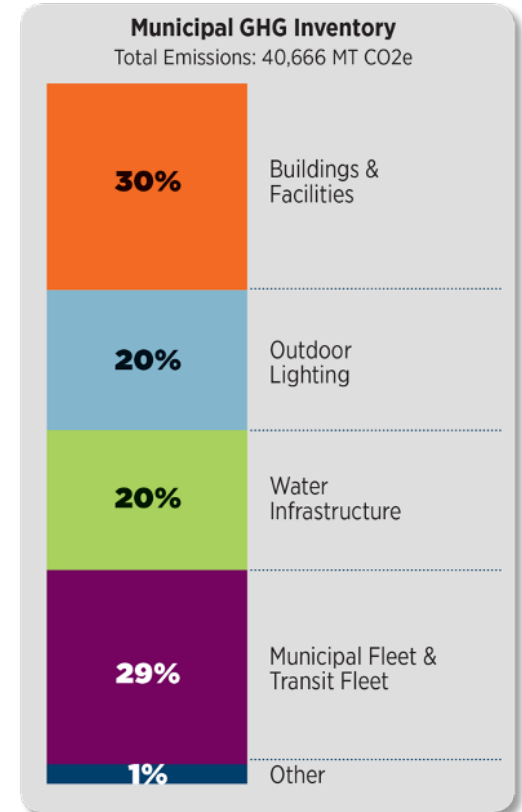
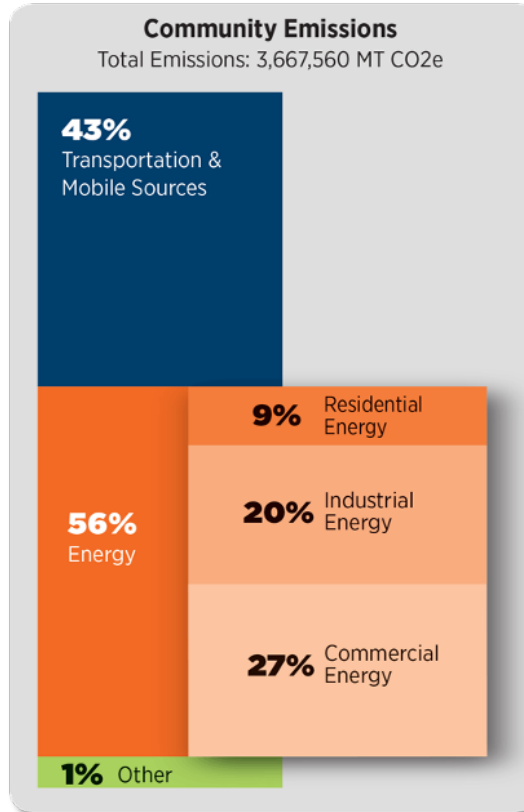
- Prioritizes actions and cost-effective solutions around two focus areas:
 - Emissions Reduction
 - Energy and Transportation
 - Resilience
 - Extreme Heat
- Municipal vs. Community Emissions
 - Community Carbon Neutrality
 - Municipal Operations Carbon Neutrality



GHG Emissions Inventory

2015 Data

- Community Emissions
 - Electricity production
 - Transportation emissions
- Municipal Emissions
 - City facilities
 - City operations



CAP Community Actions

Renamed Highlight Actions:

- Resilient Energy Hubs and Resilience Hubs
- Transportation Demand Management (TDM) and Mobility Hubs
- Green Codes and Standards (GSI and IgCC Adoption)

ENERGY

PAGE 13



1. Resilient energy hubs
2. Revolving fund
3. Sustainability platform
4. Solar EV charging stations

TRANSPORTATION

PAGE 25



1. Transportation Demand Management (TDM)
2. Encourage walking, biking, and public transport in city projects
3. EV charging
4. Smart mobility guide

EXTREME HEAT

PAGE 37



1. Green infrastructure
2. Green construction codes
3. Urban Forestry Master Plan
4. Emergency management program

Climate Action Plan Update



CLIMATE ACTION PLAN

- Resilience to extreme heat analysis
- GHG emissions inventories
- Agendas
 - Youth
 - Business
 - Climate Justice
 - Neighborhoods


Resilience to Extreme Heat in Tempe

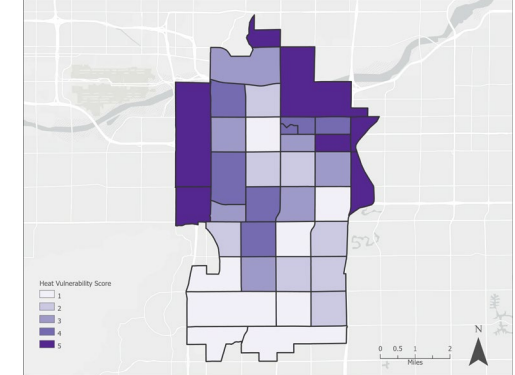
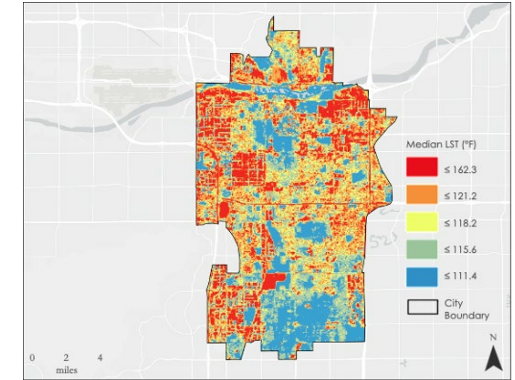
Heat vulnerability

- Social factors lead to more exposure and sensitivity

Equitable urban cooling

- Using data and engagement to determine investment priorities

Social factors for vulnerability assessment - 2013-2018 (5-year Interval)	
	
1.	% Ethnic Minority
2.	% Below Poverty Line
3.	% Without HS Diploma
4.	% 65 Years & Older
5.	% 65 Years Older Living Alone
6.	% Living Alone
7.	\$ Total Median Income
8.	Total Population



Climate Action in Tempe



Today's Agenda

- Municipal Actions
 - Greenhouse Gas Emissions Update
 - Municipal Actions Update
 - Municipal Proposed Investments
- Community Actions
 - Greenhouse Gas Emissions Update
 - Community Proposed Investments

Municipal Actions

City Buildings

Completed Actions



Kierans Recreation Center

Next Actions



Fire Station No. 2

Assessments:

- Annual assessments of city buildings are conducted to determine energy efficiency upgrades for lighting and electrical equipment.

Retro-commissioning:

- A retro-commissioning study is under development.

Community Actions

Highlight Action Update

In 2019 the Sustainability Commission recommended four climate actions that the City should focus on to develop early wins and a culture of transformation. The following update shows what has been accomplished so far. The update uses examples from cities around the country and world to demonstrate how Tempe can lead in green buildings, green stormwater infrastructure, resilience hubs (including resilient energy hubs), and transportation demand management (including mobility hubs).

Green Codes and Standards (GSI and IgCC Adoption)

Tempe is pursuing Green Stormwater Infrastructure (GSI) and green codes like the International Green Construction Code (IgCC) to combat extreme heat. Extreme heat affects public health, air and water quality, vegetation, and more.

GSI is an approach to water management that aims to save money, save water, and keep Tempe cool by working with nature to reduce stormwater runoff. Tempe's GSI objective is to create a citywide plan (including identified infrastructure investments) with permanent funding for its operations and management. The IgCC is a code that helps cool Tempe by guiding developers to make their buildings sustainable, resilient, and high performing. The goal for IgCC is to have a regional green building code that supports sustainability.

Tempe's Progress

Through piloting green buildings on city property and considering a sustainable building policy for City buildings, Tempe is at the early stages of a long-term green building strategy.

Policy

- Considering City Sustainable Building Policy (IgCC)

Programs

- Funded full time employee in Community Development to begin program (IgCC)

Infrastructure

- Small pilot projects at Rio Salado and Hardy, EVBOM and Apache and Dorsey, 12th and Mill (GSI)
- LEED-certified city buildings (IgCC)



Volunteers plant native vegetation in a park on city property.



Street view of the LEED-certified Tempe Transit Center.

Climate Action Plan | 7

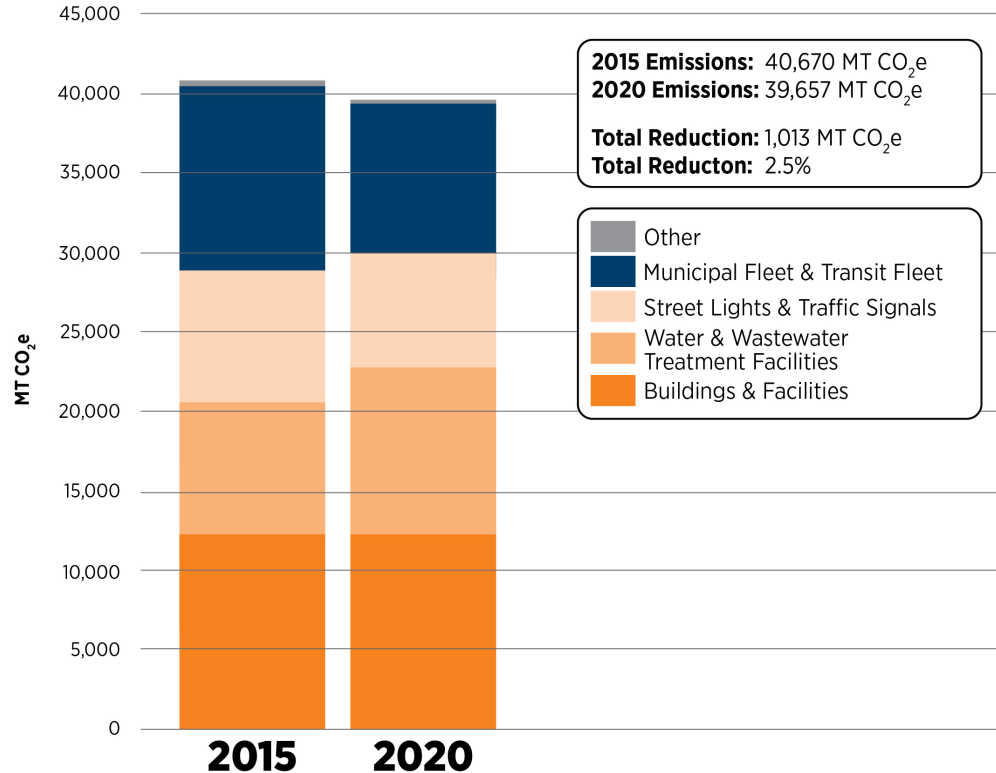
Municipal Actions



Municipal GHG Inventory



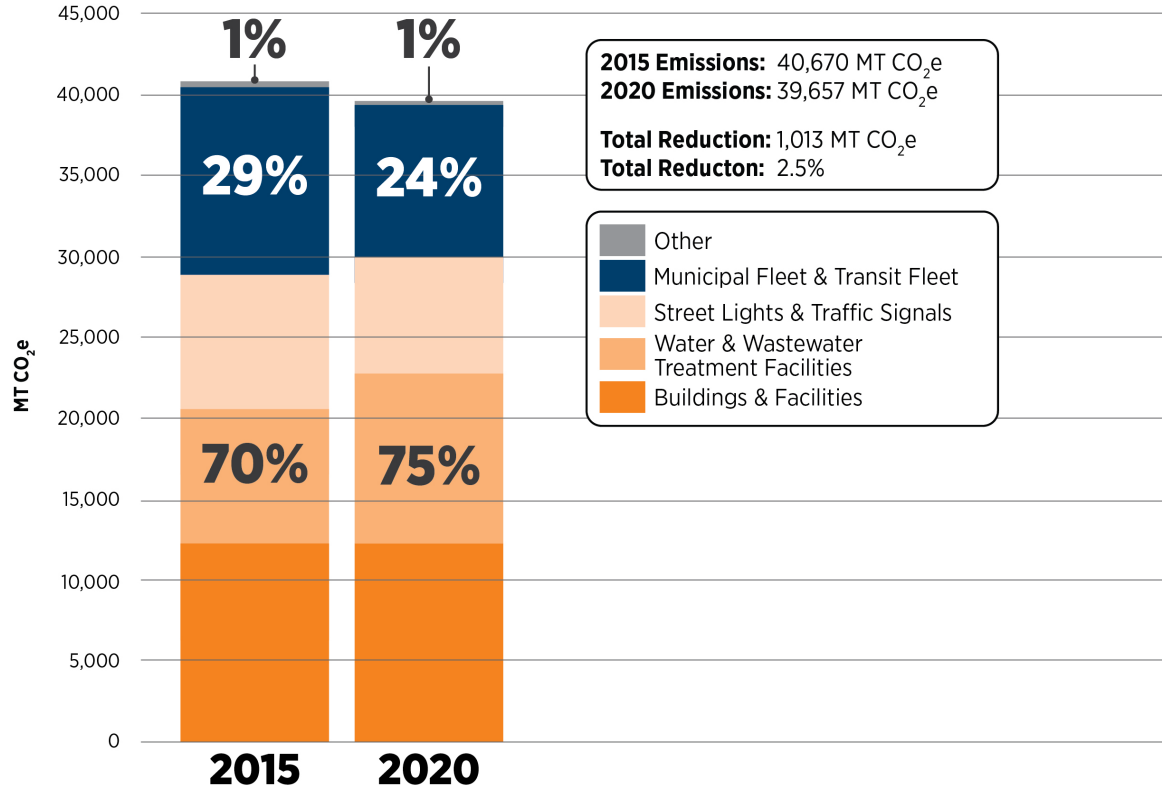
Municipal GHG Emissions



Municipal GHG Inventory



Municipal GHG Emissions





City Buildings



Completed Actions

- Assessments
- Retro-commissioning
- Sustainable Facilities Plan



Next Actions

- Assessments
- Energy Retrofits



Outdoor Lighting



Completed Actions

- Parks/Area lighting
- Neighborhood streetlights



Next Actions

- Arterial streetlights
- Facility Lights

Water Infrastructure



Completed Actions

- Assessments
- Facility Lights



Next Actions

- Renewable Energy
- Energy Retrofits

Municipal & Transit Fleet



Completed Actions

- Electric Vehicles
- EV Charging station feasibility studies



Next Actions

- Municipal Fleet Electrification
- Transit Fleet Electrification

Proposed Investments - Municipal



Policies and Programs

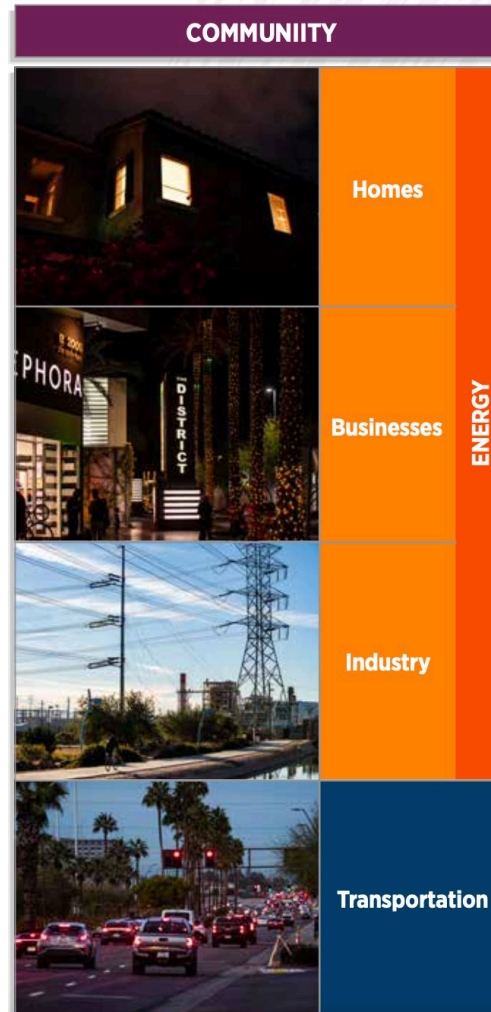
- Sustainable Facilities Plan
- EV Fleet Roadmap
- City Green Building Policy
- Workforce EV charging



Infrastructure

- Energy Efficiency and Retrofits
- Resilient Energy Hubs
- City and Transit EV Fleets
- Charging Infrastructure
- Solar

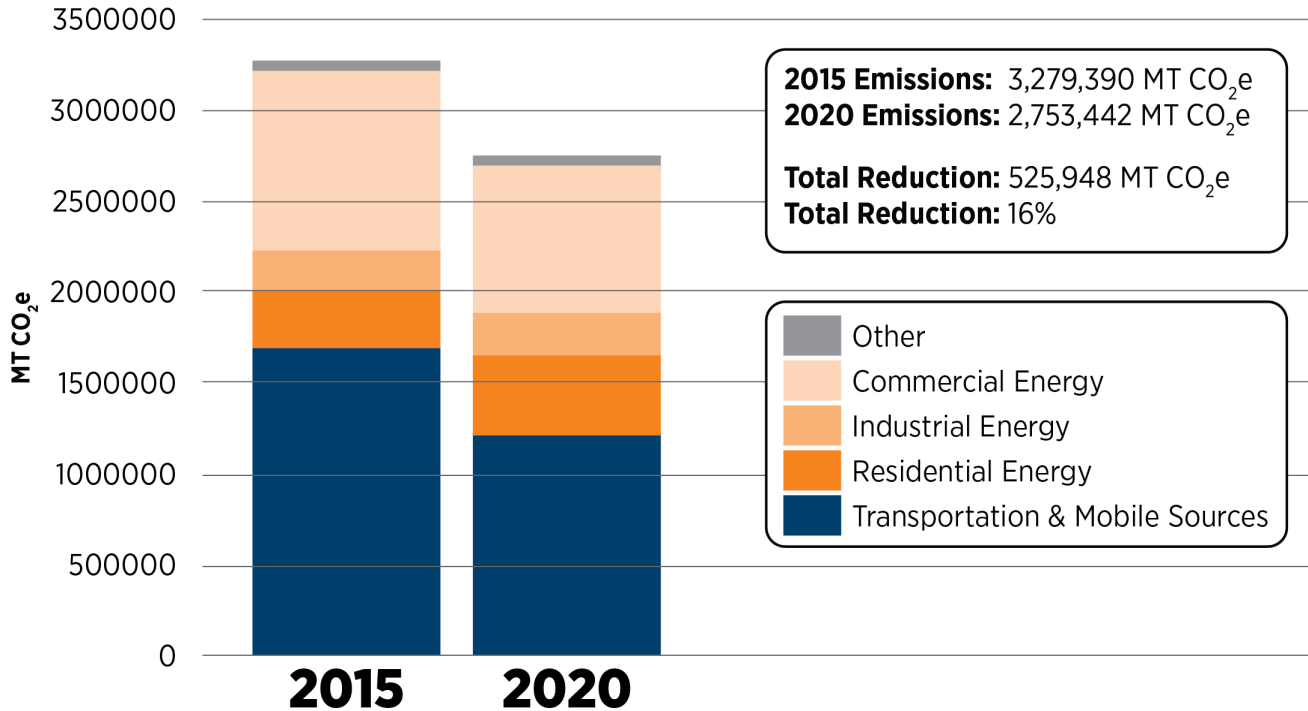
Community Actions



Community GHG Inventory



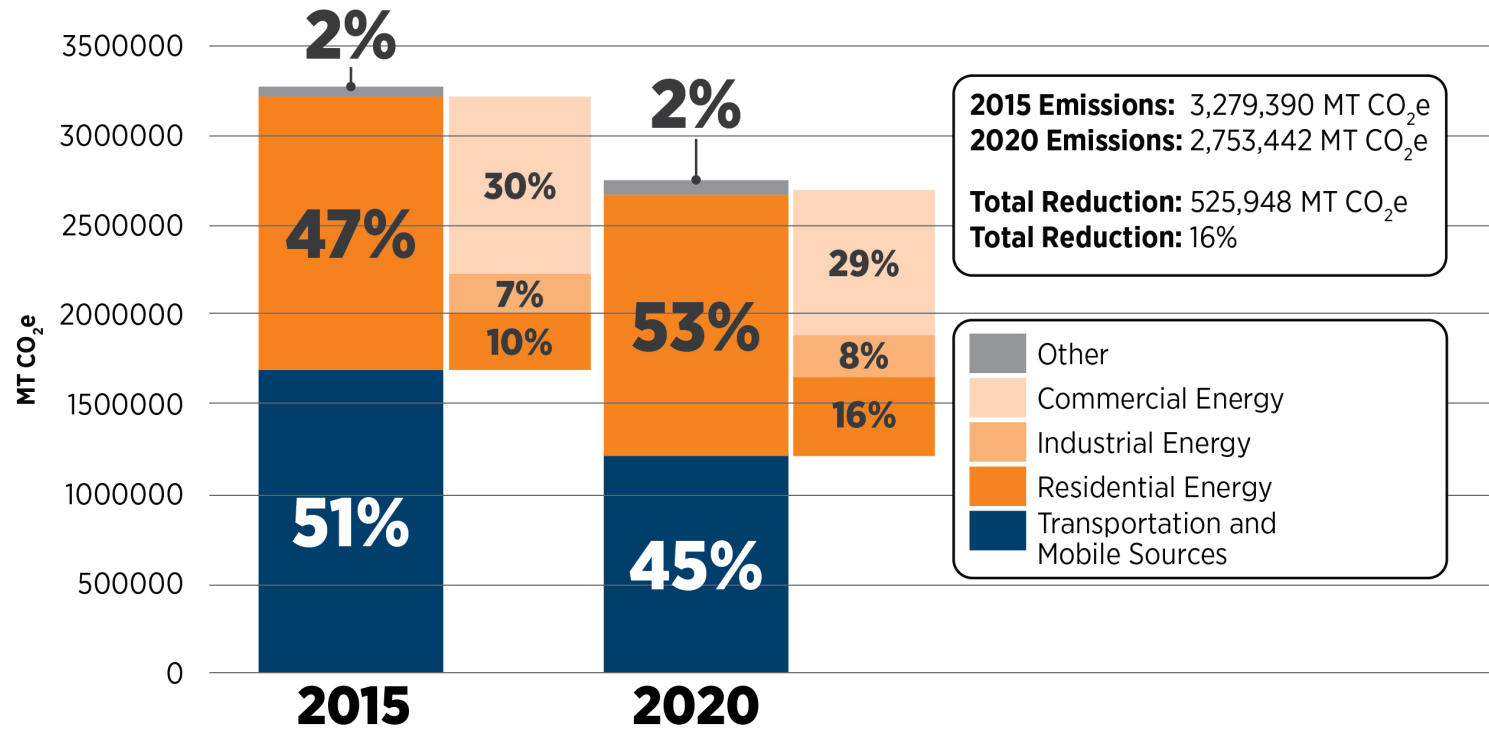
Community GHG Emissions



Community GHG Inventory



Community GHG Emissions



Proposed Investments - Community



Policies

- EV Charging and Solar Readiness Building
- Resilient Tempe Master Plan and Utility Feasibility Study
- Local Food Roadmap

Programs

- Residential Green Stormwater Infrastructure Program
- Indigenization and Land Stewardship Program
- Climate-Sensitive Urban Forestry





Personnel

- Neighborhood Resilience Coordinator
- Youth Engagement Coordinator
- Policy and Grants Coordinator

Infrastructure

- Transit Shelters and Bus Rapid Transit
- EV Charging
- Streetcar Extension
- Urban Forestry
- Green Stormwater Infrastructure



Next Steps



March:

- Opportunity for Climate Action Plan Final Approval
- Initial CIP Budget Recommendations & Acceleration Strategies

April:

- CIP and Supplemental Request Budget Review
- GHG Emissions Wedge Analysis
- City Building Policy and IgCC Pilot Program

Ongoing:

- Adopt policy, support programs, invest in infrastructure, and continued engagement