

Sustainability Plan

Community Workshops and Survey: Summary (October/November 2022)

Introduction

The City of Scottsdale initiated work in June 2021 to develop the city's first Sustainability Plan and engaged the Rob and Melani Walton Sustainability Solution Service as a partner in this effort. Throughout 2022, city sought input on the framework and content for the plan. To obtain perspectives from multiple stakeholders, workshops were held in May 2022 to identify strategies and actions. There were meetings with the Scottsdale Environmental Advisory Commission (SEAC) and presentations to other commissions and boards as part of the broader public input process. In addition, staff and other subject matter experts provided guidance and ideas. In October 2022, the City of Scottsdale released a draft of the Sustainability Plan and accepted comments through November 15th.

Input on Strategies and Actions

Workshops In October 2022, the city hosted a second set of workshops to bring together community members to review strategies and actions for the fifteen topics in the plan. The two 90-minute community workshops were also designed to solicit input on priorities. Invitations for the community workshops were sent to SEAC commissioners and to people who had previously expressed interest in the plan. The workshops were widely publicized on social media and via city newsletters. Workshops were held at the Scottsdale Community Design Studio (October 25) and at Vista del Camino Community Center (October 27).

After an introductory presentation by the City's Sustainability Director, workshop participants were asked to share their thoughts on aspects of the plan that are most important to them. Staff were available to answer questions at five different stations, corresponding to the five pathways in the plan. Attendees were asked to submit written comments on the 26 strategies and 140 actions identified in the draft plan, responding to two questions:

- What excites you about the strategies and actions?
- What concerns, if any, do you have about the strategies and actions?

Using colored dots, attendees were also asked to identify up to 10 specific actions – across all 15 topics – that they believe everyone can and should get behind.

Survey A survey was used to get additional feedback from community members who were unable to attend the workshops and was posted from October 26 – November 15, 2022. Respondents were first asked to rate the importance of each of the 26 strategies (1 – Not Important; 2 – Neutral/Don't Know; 3 – Very Important). They were then asked to select the ten strategies that were most important or that reflect their priorities for Scottsdale. Respondents could also add other comments related to the plan.

Combined Results

Through the workshops and the survey, the city has received positive and extremely helpful feedback. The Community Workshops were attended by more than 40 individuals who shared 260 comments, and there were almost 300 responses to survey, with over 220 individual comments. Additional comments were received by email and other sources¹.

Workshops

Overall, there was general support for the strategies and actions in the plan, with attendees particularly prioritizing the below:

- Energy #1** Develop a Net-Zero Energy Strategic Plan to accelerate renewable energy installation, expand adoption of energy efficiency practices, and attract investment
- Water 1.3** Remove non-functional/non-recreational turf at city facilities
- Water 1.4** Incentivize turf removal and improvements to irrigation equipment
- Community Services 1.6** Create services for preventing homelessness and stable housing
- Economic 1.1** Attract businesses that support sustainability and smart city development
- Education 1.3** Collaborate with SUSD and other schools to develop a K-12 sustainability curriculum
- Heat & Hazard 1.3** Reduce the area of exposed dark asphalt, dark roofs, and other hot surfaces
- Heat & Hazard 1.8** Create a tree ordinance for proper maintenance and replacement near commercial and multi-family buildings
- Waste 3.2** Develop a city-wide composting program

Survey

Respondents ranked the below strategies as most important (percentage of respondents who selected “Very Important”):

- Water #1** Ensure water system resiliency (96%)
- Open Space #2** Support practices that preserve the Sonoran desert ecosystem (87%)
- Heat & Hazard #1** Reduce urban heat impacts (79%)
- Air Quality #1** Clean Scottsdale’s air (76%)
- Built Environment #1** Reduce impacts of built environment through sustainable building practices (71%)
- Energy #2** Improve municipal energy performance (72%)

The survey also allowed insight into the strategies of least importance to respondents, as well as those where many respondents were neutral or didn’t know about the importance:

Neutral/Don’t Know

- Character & Arts #1** Support character-based planning (52%)
- Mobility #2** Prioritize active transportation (48%)
- Waste #1** Increase the diversion rates for material streams (45%)

¹ Input from the Mayor’s Youth Council was included in an update on January 19, 2023.

Not Important

Character & Arts #2 Strengthen connections between arts and culture and sustainability (26%)

Air Quality #2 Accelerate electric vehicle (EV) adoption (31%)

In the second part of the survey, respondents identified the most important strategies (percentage of respondents selecting the strategy as the most important):

Water #1 Ensure water system resiliency (90%)

Heat & Hazard #1 Reduce urban heat impacts (68%)

Open Space #2 Support practices that preserve the Sonoran desert ecosystem (65%)

Air Quality #1 Clean Scottsdale's air (57%)

Climate Planning #1 Establish framework to reduce climate emissions and impacts (48%)

The below strategies were identified less frequently as being important:

Character & Arts #1 Support character-based planning (8%)

Character & Arts #2 Strengthen connections between arts and culture and sustainability (9%)

Waste #1 Increase the diversion rates for material streams (13%)

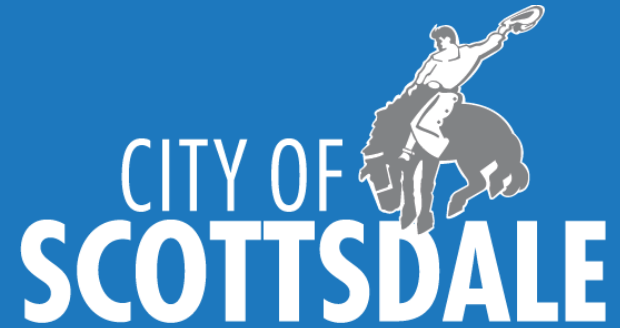
The input received at the workshops, through the survey, and by email has been used to refine and update the Community Sustainability Plan. A partial list of the expected changes includes:

- numerous specific text changes and edits to keep the plan readable and easily understandable
- new and/or revised actions and sustainability indicators
- clarifying that the CSP is a high-level policy document
- additional information on how the CSP will be implemented:
 - new descriptive text in plan introduction
 - addition of table providing details on initial work and to clarify where commitments already exist; includes responsible entities and timelines
 - addition of a draft operational matrix that will support future decision-making on implementation
- ensuring more visual focus on strategies and actions and listing the strategies in the introduction

Attachments to Workshop Report

A full set of the slide deck presentation, including general instructions for participation used during the Community Workshops, is in Appendix 1. All comments received are included in Attachment 2.

Attachment 1:
Slide Presentation at Community Workshops



Scottsdale Sustainability Plan

**Community Workshops
October 25 & 27, 2022**



Scottsdale Sustainability Plan



Sustainability Plan: Community Engagement



Sustainability Plan: 5 Pathways

Low Emissions & Climate Action: Reduces greenhouse gas and other environmentally harmful air emissions

Nature-Based: Protects and enhances our city and natural environment by conserving resources, balancing land use and open space

Equitable Community: Builds just, livable, and thriving communities reflecting the character of Scottsdale

Resiliency: Anticipates and responds to shocks and stressors, preparing for new risks and impacts

Circular Systems: Supports models of production and consumption that support reducing, recycling, repairing, and repurposing products and materials

Sustainability Plan: 15 Topics

Low Emissions & Climate Action • Climate Planning • Energy • Mobility
• Air Quality

Nature-Based • Water Resources • Open Space & Land Management

Equitable Community • Community Services • Character & Arts •
Economic Vitality • Education & Lifelong Learning

Resiliency • Extreme Heat & Hazard Preparedness • Built Environment
& Housing • Smart City

Circular Systems • Waste as a Resource • Food Systems

Sustainability Plan: Related Plans

Low Emissions & Climate Action

- Transportation Action Plan (2022)
- Old Town Bicycle Master Plan (2022)
- Residential Solar Guidelines (2020)
- Commercial Solar Guidelines (2019)

Nature-Based

- Parks & Recreation Strategic Plan (under development)
- Drought Management Plan (2021)
- Integrated Water Resources Master Plan (2022)
- Scottsdale Water Strategic Plan (2019-2024)
- McDowell Sonoran Preserve Ecological Resource Plan (2016)
- McDowell Sonoran Preserve, City Ordinance, Chapter 21

Circular Systems

- Community Solid Waste and Recycling Strategic Plan (2017)

Sustainability Plan: Related Plans

Resiliency

- Cooler Scottsdale study (2022)
- Smart City Strategic Roadmap (2020)
- Design Standards and Policy Manual (2018)
- Emergency Preparedness Jurisdictional Project Summary (2018; 2021)
- Sensitive Design Guidelines (2001)
- Green Building program

Equitable Community

- Tourism & Events Strategic Plan (anticipated Fall 2022)
- Scottsdale Consolidated Plan (2020)
- Economic Development 5-Year Strategic Plan (2021)
- Community Services Master Plan (2015)
- Scottsdale Public Library Strategic Plan (2019)

Sustainability Plan: Topics by Type

TYPE #1: Building on existing plans and leadership:

- Water Resources
- Open Space & Land Management
- Mobility
- Waste as a Resource
- Air Quality

TYPE #2: Other traditional sustainability topics:

- Climate Planning
- Food Systems

TYPE #3: New detailed plans being crafted:

- Extreme Heat & Hazard Preparedness
- Energy

TYPE #4: Adding sustainability connections to existing work:

- Built Environment & Housing
- Economic Vitality
- Community Services
- Character & Arts
- Smart City
- Education & Lifelong Learning

MOBILITY: Support a well-designed, inter-connected, safe, and accessible multi-modal transportation system.



Implementation

Implementation #1 Leverage governance structures for faster progress

1. Use the Sustainable Scottsdale Steering Team as a forum to elevate to leadership important or city-wide issues that impact the achievement of sustainability goals
2. Recognize achievement and encourage aspiration
3. Share successes and challenges with other cities locally and nationally
4. Set a green procurement goal as a percentage of total municipal purchasing
5. Formally update the Sustainability Plan on a regular cycle

Implementation #2 Increase capacity for implementation

1. Identify and nurture staff and community champions for sustainability
2. Create staff training modules and community outreach media to increase awareness of sustainability solutions and to build the constituency for continuous improvement
3. Craft a 'build-a-plan' toolkit for residents and small and medium businesses, including a mechanism for reporting on progress
4. Regularly engage with communities and residents

Implementation #3 Reflect community values in implementation

1. Build an implementation toolkit to drive decision-making in execution of strategies and actions
2. Partner with Diversity, Equity, and Inclusion program on implementation prioritization
3. Focus on cross-cutting issues such as purchasing and procurement, communication, and checklists for evaluating current projects and proposals
4. Expand community engagement to give more community members a voice on implementation

Implementation #4 Ensure transparency

1. Produce an annual report on progress and challenges associated with implementing the Sustainability and related plans and on the Sustainability Indicators
2. Track operating and capital spending on sustainability-related work and make savings transparent by tracking operational savings and project rebates in partnership with the City Treasurer
3. Document estimated co-benefits, like improved air quality and health and consumer savings
4. With the Scottsdale Environmental Advisory Commission, host a regular community open house to share successes and solicit feedback

Sustainability Plan 2022 –Timeline

- **Week of October 10th:** Public comment draft posted
- **Week of October 24th:** Community meetings on 10/25 (during day) and 10/27 (evening).
- **Starting week of October 17th – mid-November:** Offer individual meetings to Councilmembers and to SEAC Commissioners
- **October – November:** Present to Boards and Commissions
 - Youth Council 10/3; Transportation 10/20; Neighborhood Advisory Commission 10/26; Human Relations 11/14; Parks & Recreation TBD
- **November 16th:** Present to SEAC for final recommendation
- **December 7th:** Adoption of Sustainability Plan (tentative)

Questions?



Open House

- What excites you about the strategies and actions?
- What concerns, if any, do you have about the strategies and actions?

Identify up to 10 specific actions – across all 15 topics – that you believe everyone can and should get behind

Attachment 2: Public Comments

Sustainability Plan Community
Workshops (October 2022)

Comments Received and Results of
Prioritization Exercise

Strategies and Actions	Comment/Suggestion	Date
Community Workshops (10/27/2022 (31 attendees) and 10/27/2022 (12 attendees))		
Climate Planning #1 Establish framework to reduce climate emissions and impacts		
1. Set carbon reduction goals, city-wide and sector-specific	(1) v	10/25/2022
2. Calculate regular emissions inventories, city-wide and for municipal operations	(1) This is huge; the city of Phoenix has a really good example of regular ghg emission inventory updates; when doing that, I would look at all scopes of emissions; for example, the Phoenix emissions report found that emissions from electric transmission (not use, just transmission) equals all use of natural gas in the city. (2) ! establish software for baselining and GHG measurement	10/25/2022
Climate Planning #2 Address adaptation to impacts of climate change		
1. Identify vulnerabilities and document updated climate projections		
2. Complete a comprehensive climate adaptation plan including a resilience plan for southern Scottsdale	(1) Love this; Southwest Gas would love to be a participant in this. (2) ! (3) *	10/25/2022 10/27/2022
3. Include measures of climate resiliency in project planning		
4. Educate the public on impacts of climate change	(1) v (2) Impact of ignoring climate issues; fight misinformation (3) Program for gated communities via HOA (4) Implement climate change descriptions; @ community farming (5) and all sustainability initiatives and WHY they are important; many people do not understand and/or believe that climate change is real and needs to be addressed; this is a huge hurdle to overcome in truly advancing any successful sustainability practices and initiatives; education -- fact-based, specific, and personal -- is KEY.	10/25/2022
Energy #1 Develop a Net-Zero Energy Strategic Plan to accelerate renewable energy installation, expand adoption of energy efficiency practices, and attract investment		
1. Reduce per capita energy consumption by 10% relative to 2016	(1) a. Start gas/heat tower public art project w/convection and temp monitors for research and public viewing b. solar hot water demonstration building (public restrooms? Bicycle shower facilities, homelessness sanitary facility) (2) Expand staff and capacity for net-zero goals (3) One opportunity to explore is the use of renewable natural gas emanating from landfills; using those emissions to fuel your CNG fleet vehicles provides a carbon-neutral (at worst) energy source for your fleet and creates a truly circular system (Shared on a Waste form)	10/25/2022
2. Increase installations of solar energy to 20% of owner-occupied homes by 2030	(1) v (2) Help older communities convert to solar (cost estimates, infrastructure requirements, incentives)	10/25/2022
3. Work with utilities to promote energy efficiency improvements for existing residential and commercial properties and educate property owners on existing incentives	(1) v (2) v (3) One thing to look at for this is using HERS score for measuring efficiency; those scores are reflective of emissions impacts.	10/25/2022
4. Improve compliance with energy and green construction codes for new buildings, additions, and remodeling	(1) !	10/25/2022
5. Investigate ways to expand battery storage capacity for renewable energy installations		
Energy #2 Improve municipal energy performance		
1. Employ a city-wide energy management system and track city energy use	(1) Key to understand usage requirements and ID where we can increase efficiency and savings	10/25/2022
2. Dedicate staff resources to managing energy programs	(1) !	10/25/2022
3. Conduct energy audits for 50% of existing of all buildings		
4. Expand solar generation on city facilities		
5. Continue to convert streetlight systems, park lighting, and other civic lighting to LED technology for energy efficiency and lower maintenance costs	(1) v	10/25/2022
6. Join utility green power programs		
Mobility #1 Strengthen integrated transportation planning		
1. Require pedestrian/bicycle access through/adjacent to all open spaces to promote mobility	(1) Review Trolley schedule; empty buses in the summer (2) Limited options here since Scottsdale has ruled out any consideration of rail. (3) Convert roads to pedestrian walkways and gathering spaces, especially downtown; increase connection, decrease air pollution and urban heat islands -- so many benefits (ref Superblocks in Barcelona) (4) Consider closing Scottsdale Road in Old Town to provide walk, biking and outside room for restaurants; similar to what they do in Europe (5) Old Town needs to be more bike and ped friendly (golf carts ok); consider closing Scottsdale Rd to only the trolley -- think 16th Street Mall in Denver CO.	10/25/2022 10/27/2022
2. Modify the street network to safely include active transportation modes	(1) * Biking lanes; make it safe to bike everywhere, including crossing the street	10/27/2022
3. Improve the maintenance of the existing trail system (which includes private property)		
4. Fill in the trail system gaps to increase safety and connectivity	(1) *	10/25/2022
5. Replace and widen our existing multi-use path system to address increased usage	(1) v (2) ! (3) *	10/25/2022 10/27/2022
6. Develop a micro-transit system tailored to community needs	(1) v (2) Lightrail!! Catering only to biking isn't enough; for errands in the summer and longer distances, we need accessible public transportation (approachable public buses, lightrails, etc.); Make electric scooters and bikes for rent more available and encourage them (Lime, Birds, etc.)	10/25/2022 10/27/2022
7. Ensure adequate resources to maintain and upgrade our transportation network		
Mobility #2 Prioritize active transportation		
1. Increase frequency of transit service where needed and make necessary regional system connections to reduce automobile use and provide travel options	(1) provide more shaded bicycle parking, bicycle valet businesses (park and pay), public bike events	10/25/2022
	(1) v	10/25/2022

2. Increase the walkability of neighborhoods	(1) Teach Scottsdale residents to stop impeding the sidewalks with recycling and garbage cans. They are to be on the curbline but I don't think anyone knows this. A blind person wouldn't have a chance! (2) Turn Scottsdale into a walking city (3) ! (4) Heart, great effort here-- continue!	10/25/2022
3. Achieve a Platinum Bicycle Friendly Community designation from the League of American Bicyclists	(1) ! (2) *	10/25/2022
4. Provide more education on bicycle safety		
Mobility #3 Ensure accessible mobility for all residents by improving transportation systems		
1. Use Complete Streets as the framework for the transportation system and eliminating unneeded vehicular lanes	(1) v	10/25/2022
2. Provide access to a shared use path within a ¼ mile for all residences	(1) *	10/27/2022
Air Quality #1 Clean Scottsdale's air		
<i>(1) a. Better mass transit b. More trees and <u>no</u> artificial turf c. No more wood burning fireplaces d. Drought resistant ground cover</i>		
1. Participate in regional efforts to improve air quality		
2. Expand education/outreach to city employees and residents about air quality and High Pollution Advisory days, including benefits of electric-powered lawn equipment and of reduced single occupancy vehicle (SOV) trips	(1) !! And schools (2) *	10/25/2022
3. Support reductions in fireworks use and 'burn better' programs during holidays	(1) ++	10/25/2022
Air Quality #2 Accelerate electric vehicle (EV) adoption		
<i>(1) No - Evs are inefficient (discharge + recharge) in extreme heat; plus 50% of our grid is still carbon based. (1) It distresses me that the city would pay for this. Couldn't it be a private business, as gas stations are? (2) Absolutely not; reliability, cost, repair rate -- consider NG vehicles (3) Please (4) ! Or RNGs work well (5) *</i>		
1. Double number of EV charging stations to 600 by 2030	(1) v (2) *	10/25/2022
2. Develop a financially sustainable plan to replace city fleet vehicles and buses with EVs	(1) v (2) ++	10/25/2022
3. Create an EV charging policy and master plan	(1) * (2) ++	10/25/2022
4. Foster program to expand the use of e-bicycles for commute trips	(1) * (2) Currently conflicts with e-bike ordinance; MUP ediquette is key in that ordinance.	10/25/2022 10/27/2022
Water #1 Ensure water system resiliency		
<i>(1) Would like to see rainwater management initiatives IF ROI is worth it given our low rainfall; Any programs to help fund/incentive conversion of potable to non-potable water for common areas/parks would be helpful; increase water conversion requirements and water recycling for new developments (2) a. Manage toxic pesticide use/education about alternatives b. educate and manage <u>artificial</u> turf use (most kinds pollute soil and underlying water table) c. !!! Provide higher quality RO filtered water in schools d. Establish greywater reuse systems e. !!! Allow, educate and expand rainwater harvesting systems (commercial and single-family) and use this water for lawn care consistently. (3) a. Develop training program for plumbing contractors to certify greywater systems b. Tie in with community gardens (ADEQ certification <u>very</u> important; blackwater vs greywater plumbing systems) c. Codify dry composting toilets (4) Big outreach initiative to inform community</i>		
1. Achieve 100% automated metering water infrastructure across the city		
2. Incentivize WaterSmart Portal Participation and notification signups	(1) ! (1) *	10/25/2022
3. Remove non-functional/non-recreational turf at city facilities	(2) v (3) *	10/25/2022 10/27/2022
4. Incentivize turf removal and improvements to irrigation equipment	(1) v (2) *	10/25/2022 10/27/2022
5. Retrofit all municipal irrigation systems to smart controllers	(1) v (2) * Parks are typically the largest municipal water user and the least funded to convert old parks or install new technology	10/25/2022 10/27/2022
6. Support low impact development site planning, building design, and streetscapes	(1) Incorporate green infrastructure (GI) strategies	10/25/2022
7. Increase number and reach of community engagement activities	(1) * DC Ranch is forming a sustainability committee; we want to ensure that our efforts are consistent with and in support of the city's sustainability plan; please feel free to reach out to collaborate if/as appropriate; it's helpful to know of the city initiatives (esp in advance) so we can share the info with our 8K+ residents (jenna.kohi@dcranchinc.com)	10/25/2022
8. Expand water conservation programs in concert with the Drought Management and Water Master Plans	(1) !	10/25/2022
Open Space #1 Expand management of open space and improve access		
(1) Appreciate the City of Scottsdale's commitment to OS preservation, connectivity of paths/trails		
1. Encourage connectivity of natural area open spaces, scenic corridors, developed open spaces, and open drainage easements	(1) v	10/25/2022
2. Update Community Services master plan goals related to parks, open spaces, and proximity for households		
3. Identify long term maintenance funding		
Open Space #2 Support practices that preserve the Sonoran desert ecosystem		
<i>(1) Please outlaw artificial turf; an environmental hazard from factors of production, manufacture, transportation to installation; heat sink and maintenance, cleaning requires water and chemicals.</i>		
1. Develop plans to reduce invasive species and increase awareness of best management practices for invasive species management and connection to wildfire concerns	(1) v (2) * Specifically buffel grass in open areas, McDowell Preserve, etc; Organizing grass pulls, removal, etc; plans to reduce wildfire risk that similarly devastated nearby Four Peaks Wilderness area along Beeline Hwy	10/25/2022 10/27/2022
2. Support Native Plant Ordinance and its enforcement		
3. Develop guidelines on the use of non-chemical and less-toxic pest management strategies	(1) Develop bat nest boxes (placement; residential box building program)	10/25/2022
4. Develop sustainability-aligned Design Guidelines, supporting native ecosystems and desert biodiversity		
5. Maintain tree inventory and encourage thoughtful planning relative to low water tree planting	(1) v	10/25/2022
Community Services #1 Expand community programs and services that support sustainability goals		
(1) Engage the greater community -- how can we <u>all</u> help/contribute; increase understanding.		

1. Expand programs that serve low-income qualifying applicants	(1) ✓ (2) ✓	10/25/2022
2. Create Resiliency Hubs for neighborhoods with higher populations of seniors and lower-income residents, starting with Vista del Camino and the Granite Reef Senior Center		
3. Support implementation of Blue Zones Initiative	(1) * (2) <i>Great worldwide status and goal</i>	10/25/2022 10/27/2022
4. Expand partnerships with communities to identify and address needs	(1) ✓	10/25/2022
5. Include users in planning for community services (food banks, low-income housing, etc.)	(1) *	10/25/2022
6. Create services for preventing homelessness and stable housing	(1) Excellent services; suggest publishing an assessment of the homeless in Scottsdale -- numbers, impact, benefits of reducing # of homeless (2) ✓ (3) ✓ (4) *	10/25/2022
7. Expand homeless outreach services and Day Relief Center program	(1) ✓ (2) * (3) * <i>Explore tiny homes construction</i>	10/25/2022 10/27/2022
8. Offer translation services to anyone needing assistance		
Character & Arts #1 Support character-based planning		
1. Increase integration of sustainability and the importance of the Sonoran Desert environment into Character Area Plans	(1) Explore Dark Sky Initiative (1) <i>Signage</i>	10/25/2022 10/27/2022
2. Encourage energy-efficient designs for outdoor lighting that reflect the local context	(1) ✓ (2) ✓	10/25/2022
3. Incorporate passive design cooling strategies for building and site planning designs	(1) Educate how to do this (2) ✓ (3) ✓	10/25/2022
4. Integrate LID/GI into neighborhood-level street improvements	(1) * <i>Reduces water/irrigation requirements</i>	10/27/2022
5. Investigate code updates based on energy performance for historic preservation and promote preservation as a sustainable practice	(1) *	10/25/2022
Character & Arts #2 Strengthen connections between arts and culture and sustainability		
1. Fund public art creation and maintenance with sustainability themes	(1) ✓ (2) * <i>Yes; Create a maintenance program in collaboration with team of artists for art in the city's Public Art collection for the long term repairs access, better descriptions of the art installations on site</i>	10/25/2022 10/27/2022
2. Expand 'Traceries' trash/recycle bins program		
3. Develop and support youth arts programs	(1) And youth sustainability programs (2) * -- highlight supporting programs focusing on reuse, ie upcycling; for example, host a fashion show featuring upcycled clothing; host a competition to recognize and reward the most creative sustainability products and partner with SUSD, ASU, SCC and get student involved (this is key). (3) * <i>Yes; Trauma is best addressed thru arts (visual, dance, music, poetry, theater); working with visiting guest artists</i>	10/25/2022 10/27/2022
4. Promote the Scottsdale Heritage Connection and other historical programs	(1) ✓ (2) *	10/25/2022
Economic #1 Integrate green innovation and business into economic planning		
1. Attract businesses that support sustainability and smart city development	(1) Scottsdale needs to take a stronger stance with companies, restaurants, etc to expect greater strides towards sustainability; example - coffee shops need to provide a reusable program where cups are charged a small fee which is refunded when returned; we have a lot of tourism and lots of dollars flow through our city so we need to ask them to do more. We also need to take a stronger stance with the state government; our citizens demand more and faster improvements to increase sustainability; *show that we are truly 'the most livable city' (2) How to incentivize or require businesses/developers to adopt sustainable practices/components/building materials, etc? how do you show it's worth the extra \$? Can go further in this category -- bring economic stakeholders on board to identify and address barriers to meaningful and impactful action. (3) <i>Create incentives and prizes for companies to create teams with elementary, middle or high schools; partnerships to create and maintain school gardens.</i>	10/25/2022 10/27/2022
2. Create a green business recognition program	(1) ✓ (2) ✓ (3) * <i>Need support of commercial sector</i>	10/25/2022 10/27/2022
3. Develop sustainability goals for the Tourism & Events Strategic Plan	(1) Give yearly awards to celebrate best practices (1) Develop Sustainable Tourism Plan and educate/offer incentives for participation and best practices (2) ✓	10/25/2022
4. Work with anchor institutions to implement sustainable practices	(1) ✓	10/25/2022
5. Include environmental questions in Special Event Permit application	(1) !!! And require transparency and plan for sustainability in events (2) to what end? Why?	10/25/2022
6. Showcase the city's commitment to sustainability for business development	(1) ✓	10/25/2022
Education #1 Improve community sustainability knowledge and capacity		
1. Develop a Sustainability Academy	(1) All are so critical; wonderful to partner with schools -- need to make this mainstream. (2) Identify and tap into existing programs and organizations, no need to reinvent the wheel if not needed.	10/25/2022
2. Maintain and continue Green Building webinar series	(1) * (2) * <i>great idea!</i> (3) * <i>teach people how to save water, manage their irrigation system, maintenance (like A/C) that saves energy, xeriscaping, composting, gardening edible plants (and the correct ones by season); make it accessible to live more 'green'</i>	10/25/2022 10/27/2022
3. Collaborate with SUSD and other schools to develop a K-12 sustainability curriculum with locally relevant assignments and add sustainability leadership positions to student councils	(1) * (2) * <i>Yes</i>	10/25/2022 10/27/2022

4. Promote libraries, community centers, parks, and other city facilities as resources and connections to nature	(1) Nature walks; plant identification (what to plant seasonally), create ID tags on trees or QR code for researchers, student homework, student presentations at libraries	10/27/2022
5. Create a culture of sustainability within city operations and launch an employee Green Team	(1) * (2) ✓	10/25/2022
6. Offer sustainability-related opportunities in Volunteer Program	(1) *	10/25/2022
7. Participate in sustainability events hosted by Mayor's Youth Council	(1) * (2) * Yes	10/25/2022 10/27/2022
8. Develop interactive ways for people to interact with sustainability features (e.g., talking garbage cans)	(1) * (2) ✓ (3) * Yes	10/25/2022 10/27/2022
Heat & Hazard #1 Reduce urban heat impacts	(1) Promote use of alternate surfaces that minimize heat islands and increase water recharge (paver systems, etc.) (2) Require all new developments eliminate asphalt from all parking areas; provide subsidies to remove existing asphalt fields and replace with permeable paving or even new concrete (high SRI) (3) Demonstrate the true value of mature trees; Council of Tree and Landscape Appraisers, 10th Edition; "money really does grow on trees" (4) Create action items with all Scottsdale middle and high schools using team building to learn while working on planting of trees, caring for and identifying trees	10/25/2022 10/27/2022
1. Finalize Heat Mitigation Plan and Shade/Tree plans; implement priority strategies	(1) * (2) *	10/27/2022
2. Increase tree canopy and building-integrated and free-standing shade structures	(1) ✓	10/25/2022
3. Reduce the area of exposed dark asphalt, dark roofs, and other hot surfaces	(1) Require zero asphalt parking and subsidize removing existing asphalt	10/25/2022
4. Review parking and other related requirements		
5. Require all new multi-family residential and commercial buildings to have cool roofs and promote cool infrastructure technologies; promote cool roofs for single-family homes	(1) * Extend requirement to existing buildings that are replacing the roof (ie new roof must comply) (2) *	10/27/2022
6. Inventory Scottsdale's trees and increase tree planting especially in underserved or older neighborhoods; evaluate a 'matching tree' initiative	(1) * (2) *	10/27/2022
7. Implement an urban forestry program to balance shade and water use and to ensure maintenance of trees (especially in city parks)	(1) *	10/27/2022
8. Create a tree ordinance for proper maintenance and replacement near commercial and multi-family buildings	(1) * (2) Why near? Building committed to having them; they should be maintained by owner. (3) * (4) * Provide guidance (and perhaps require) re appropriate species of trees. (5) Low water use trees priority	10/25/2022 10/27/2022
9. Require shading for 50% of site hardscape and minimize turf areas on new commercial and multifamily developments	(1) * (2) ! (3) ✓ (4) * (5) * Similar to #5, require existing buildings that are replacing (major redo) landscape to comply with rule.	10/25/2022 10/27/2022
10. Develop partnerships with local utilities for weatherization and tree planting programs	(1) * (2) and schools/students (excellent community service project for student requirements)	10/25/2022
11. Seek additional funding for weatherization and air conditional repair/replacement for low-income households.		
Heat & Hazard #2 Ensure public safety with integrated emergency management planning		
1. Create an Emergency Management Plan & Program		
2. Work with regional entities, hospitals, faith-based organizations, schools, community groups, and large employers to ensure continuity of operations		
3. Provide education, emergency preparedness, and response training at the neighborhood level		
4. Increase the number of cooling centers and awareness of locations	(1) !	10/25/2022
Built Environment #1 Reduce impacts of the built environment by instituting sustainable building practices and policies	(1) Need a program to encourage sustainable building practices (ie a point system with reward -- GREEN POINTS) (2) Develop building decarbonization process and plan for retrofits (3) New is a tiny percentage of impact; need to retrofit city and provide incentives for private homes. (4) Mandatory green building codes are the best way to provide a more sustainable baseline for new construction, however new sustainability requirements are needed for development incentives during zoning -- height and density bonuses need to require substantial energy and water savings above IgCC requirements (5) Patrols and staff capacity increased by building department a. waste water by over seeding b. fix sprinklers on Miller between Oak St and fire station by McDowell c. mandate for homeowners to fix yard sprinklers so that don't water streets and sidewalks (6) Teach value of green construction codes in middle and high schools as part of curriculum	10/25/2022 10/27/2022
1. Implement a green retrofit and cool roof program for existing buildings	(1) * (2) ✓ (3) ✓ Reflective metal roofs (4) Yes!	10/25/2022 10/27/2022
2. Require new construction and remodels install solar systems or be 'solar ready'	(1) * (2) Better shade at bus stops	10/25/2022 10/27/2022
3. Establish mandatory green building standards, including for use of sustainable materials	(1) * (2) !! Incentives for aspirational/net zero/overachieving projects	10/25/2022
4. Strengthen enforcement of all building-related codes	(1) * (2) provide ticket system to answer questions about implementation (3) *	10/25/2022 10/27/2022
5. Continue LEED Gold Council Resolution for new civic structures	(1) * Extend LEED requirement for new council, industrial buildings	10/27/2022
6. Encourage development where existing infrastructure capacity is available	(1) * Prioritize instead of encourage (2) * Multi-use zoning!!! (housing, shopping, food); all in a walkable area	10/25/2022 10/27/2022

7. Require/encourage site development strategies that incorporate green infrastructure, low impact development, and stormwater harvesting	(1) *	10/25/2022
8. Adopt and implement the latest energy and green construction codes for residential and commercial buildings	(1) *	10/25/2022
9. Establish a stormwater harvesting ordinance	(1) * (2) Encourage and educate about individual rainwater harvesting systems (3) Mirror Tucson rainwater harvesting (4) * Require multifamily in particular stormwater	10/25/2022 10/27/2022
Housing #1 Ensure benefits of greener buildings support preservation & creation of high-quality, safe & affordable housing		
1. Coordinate workforce housing locations with adjacent transit routes, bike lanes, bike routes, and shared use paths		
2. Develop a fund for construction of new affordable housing stock	(1) v	10/27/2022
3. Incentivize retrofits of older homes with energy efficient technology	(1) v	10/27/2022
4. Ensure that sensitive-design, low-water, and energy use strategies are applied equitably	(1) *	10/25/2022
5. Refresh guidelines for Green Housing Rehabilitation Program and seek additional funding		
6. Develop sustainability guidance for repair and replacement programs	(1) Ticket system for example	10/25/2022
Smart City #1 Improve community livability & city operations by combining smart technologies w/traditional infrastructure		
1. Continue implementation of the Smart Cities Strategic Roadmap by conducting projects to solve problems using smart city solutions	(1) All excellent!	10/25/2022
2. Involve the community in smart cities projects, including those planned for the SkySong area relating to sustainability, public safety and economic development, and for Old Town Scottsdale regarding wayfinding and sound mitigation	(1) With students, contest, prize incentives for their schools	10/27/2022
3. Explore emerging smart technologies (such as lighting, water, sensors, GIS) and integrate cost-effective solutions to optimize existing infrastructure		
Waste #1 Increase the diversion rates for material streams by expanding services		
1. Work with city-sponsored events to be zero waste	(1) Educate children at schools about recycling (2) a. Make recycling easier, keep one bin, err on taking too much b. Purified water filter stations c. Tax the ** out of bottled water (3) a. Recycling is unfortunately not the answer as much plastic can only be transformed once or twice, produces toxins, is cheaper to make new plastic, etc; b. Need to ban pesticides ** (4) a. Have Solid Waste develop program similar to the City of Tempe for using grass/tree waste for compost; use compost for hotels, schools, golf courses, and residential gardens b. Encourage or force businesses to eliminate plastic waste in restaurants	10/25/2022
2. Require builders to include space for recycling in new multi-family housing	(1) * (2) *	10/25/2022
3. Require a 50% diversion rate of construction waste for new commercial projects	(1) ** (2) *	10/25/2022
4. Promote commercial and multi-family recycling	(1) * (2) * (3) *	10/25/2022 10/27/2022
5. Develop a green event program	(1) * (2) * (3) *	10/25/2022 10/25/2022
6. Host an expo with vendors to promote and educate about green event options	(1) * Yes, please	10/25/2022
7. Investigate how to increase recycling or reuse of cardboard boxes	(1) *	10/25/2022
8. Expand reuse of surplus municipal goods including through sale of excess containers and equipment	(1) *	10/25/2022
9. Reduce use of single-use, non-recyclable, and non-compostable packaging and bags	(1) * (2) ** Need to use our power to make this happen	10/25/2022
Waste #2 Strengthen local markets		
1. Adopt city green purchasing and local policies and practices	(1) Sustainable building center to highlight reuse of various materials (ie straw bale, paper bricks, wattle & daub, plaster methods)	10/25/2022
2. Attract circular economy companies and entrepreneurs	(1) Green Purchasing Policy	10/25/2022
3. Create program to reuse building materials	(1) Incentives (2) * (3) *	10/25/2022 10/25/2022
Waste #3 Expand opportunities for diverting organic waste from the landfill		
1. Offer composting at five city-owned or -managed buildings or venues by 2025	(1) Provide free composting pick-up sites for public use (2) * (3) * This diverts so much from landfills and increases the quality of our soil (4) Still include kitchen disposals as a companion to composting -- Scottsdale's water filtration is state of the art and composting requires a lot of distributed collection and pickup overhead. (5) * (6) * Collect food waste but also provide compost as a service	10/25/2022 10/27/2022
2. Develop a city-wide composting program	(1) v (2) * (3) * (4) *	10/25/2022 10/27/2022
3. Establish a green/yard waste drop-off program	(1) * (2) * (3) * (4) *	10/25/2022 10/27/2022
4. Incentivize composting by providing backyard composters	(1) * (2) * (3) *	10/25/2022 10/27/2022

5. Promote commercial and multi-family green waste diversion	(1) *	10/25/2022
Food #1 Ensure access to healthy foods for all community members	(1) Encourage/publicize farmers' markets/CSAs/sustainable and local food growing and purchasing (2) All important ideas; perhaps partner with other non-profits to make progress (3) Promote Scottsdale's Farmers Market; develop conversations about seasonal foods; what to grow, how to grow, eat and live through healthy practices; represent local farmers and what they grow at city events, conferences; support small vs big box and junk food (4) Food tax eliminated!	10/25/2022 10/27/2022
1. Expand operations of the Vista del Camino Food Bank	(1) v	10/25/2022
2. Partner with non-profits, grocery stores and food businesses to reduce food waste and donate food to those in need, especially children	(1) v	10/25/2022
3. Establish community gardens throughout the city	(1) Tie in with a. fruit tree harvesting throughout residential neighborhoods for unharvested fruit b. composting pickup for residents and general public (ie free compost for dirt/gardens) (2) v	10/25/2022
4. Encourage sustainable food purchases for events	(1) and organic (2) v	10/25/2022
5. Assess and map food deserts	(1) v Has probably been done	10/25/2022
6. Evaluate creation of a food policy council		
Overarching		
	(1) General comment for all action plans: since we are one part of a metroplex we need to understand what other cities are planning/doing in sustainability; recommend crosswalk plans to make sure we aren't working against each other; also we can share ideas and challenges	10/25/2022
	(2) A separate list of indicators would be helpful	10/25/2022
	(3) Also a separate list of what individuals and businesses can do; others? Neighborhoods/HOAs can do; commercial builders/developers	10/25/2022
	(4) A separate list of policy/city code changes that need to be made -- City Council needs a list of what to change.	10/25/2022

Strategies and Actions	Dots	Dots	Dots, TOTAL	Comments (both days)
	10/25/2022	10/27/2022		
Climate Planning #1 Establish framework to reduce climate emissions and impacts	6		6	
1. Set carbon reduction goals, city-wide and sector-specific		3	3	1
2. Calculate regular emissions inventories, city-wide and for municipal operations			0	2
Climate Planning #2 Address adaptation to impacts of climate change	5		5	
1. Identify vulnerabilities and document updated climate projections			0	
2. Complete a comprehensive climate adaptation plan including a resilience plan for southern Scottsdale		1	1	3
3. Include measures of climate resiliency in project planning			0	
4. Educate the public on impacts of climate change	4		4	5
Energy #1 Develop a Net-Zero Energy Strategic Plan to accelerate renewable energy installation, expand adoption of energy efficiency practices, and attract investment	8		8	3
1. Reduce per capita energy consumption by 10% relative to 2016	2	1	3	
2. Increase installations of solar energy to 20% of owner-occupied homes by 2030		5	5	2
3. Work with utilities to promote energy efficiency improvements for existing residential and commercial properties and educate property owners on existing incentives	1		1	3
4. Improve compliance with energy and green construction codes for new buildings, additions, and remodeling	1	1	2	1
5. Investigate ways to expand battery storage capacity for renewable energy installations	1	1	2	
Energy #2 Improve municipal energy performance			0	
1. Employ a city-wide energy management system and track city energy use	1	1	2	1
2. Dedicate staff resources to managing energy programs	1	2	3	1
3. Conduct energy audits for 50% of existing of all buildings			0	
4. Expand solar generation on city facilities	1	2	3	
5. Continue to convert streetlight systems, park lighting, and other civic lighting to LED technology for energy efficiency and lower maintenance costs	1	1	2	1
6. Join utility green power programs	1		1	
Mobility #1 Strengthen integrated transportation planning			0	5
1. Require pedestrian/bicycle access through/adjacent to all open spaces to promote mobility	3	1	4	
2. Modify the street network to safely include active transportation modes	1	1	2	1
3. Improve the maintenance of the existing trail system (which includes private property)			0	
4. Fill in the trail system gaps to increase safety and connectivity	2	3	5	1
5. Replace and widen our existing multi-use path system to address increased usage			0	3
6. Develop a micro-transit system tailored to community needs	3	1	4	2
7. Ensure adequate resources to maintain and upgrade our transportation network			0	
Mobility #2 Prioritize active transportation	2		2	1
1. Increase frequency of transit service where needed and make necessary regional system connections to reduce automobile use and provide travel options	2	1	3	1
2. Increase the walkability of neighborhoods	3		3	4
3. Achieve a Platinum Bicycle Friendly Community designation from the League of American Bicyclists	2	1	3	2

4. Provide more education on bicycle safety				0	
Mobility #3 Ensure accessible mobility for all residents by improving transportation systems				0	
1. Use Complete Streets as the framework for the transportation system and eliminating unneeded vehicular lanes				0	1
2. Provide access to a shared use path within a ¼ mile for all residences	3			3	1
Air Quality #1 Clean Scottsdale's air				0	1
1. Participate in regional efforts to improve air quality	1	1		2	
2. Expand education/outreach to city employees and residents about air quality and High Pollution Advisory days, including benefits of electric-powered lawn equipment and of reduced single occupancy vehicle (SOV) trips	1	1		2	2
3. Support reductions in fireworks use and 'burn better' programs during holidays				0	1
Air Quality #2 Accelerate electric vehicle (EV) adoption	1			1	1
1. Double number of EV charging stations to 600 by 2030	1	3		4	5
2. Develop a financially sustainable plan to replace city fleet vehicles and buses with EVs	2			2	2
3. Create an EV charging policy and master plan	3			3	2
4. Foster program to expand the use of e-bicycles for commute trips				0	2
Water #1 Ensure water system resiliency				0	4
1. Achieve 100% automated metering water infrastructure across the city	2	1		3	
2. Incentivize WaterSmart Portal Participation and notification signups	2			2	1
3. Remove non-functional/non-recreational turf at city facilities	12	2		14	3
4. Incentivize turf removal and improvements to irrigation equipment	9	2		11	2
5. Retrofit all municipal irrigation systems to smart controllers	2	1		3	2
6. Support low impact development site planning, building design, and streetscapes	1	3		4	1
7. Increase number and reach of community engagement activities	1			1	1
8. Expand water conservation programs in concert with the Drought Management and Water Master Plans	5	2		7	1
Open Space #1 Expand management of open space and improve access				0	1
1. Encourage connectivity of natural area open spaces, scenic corridors, developed open spaces, and open drainage easements	1			1	1
2. Update Community Services master plan goals related to parks, open spaces, and proximity for households				0	
3. Identify long term maintenance funding	1	2		3	
Open Space #2 Support practices that preserve the Sonoran desert ecosystem				0	1
1. Develop plans to reduce invasive species and increase awareness of best management practices for invasive species management and connection to wildfire concerns	2	2		4	2
2. Support Native Plant Ordinance and its enforcement		1		1	
3. Develop guidelines on the use of non-chemical and less-toxic pest management strategies	1	1		2	1
4. Develop sustainability-aligned Design Guidelines, supporting native ecosystems and desert biodiversity	1	1		2	
5. Maintain tree inventory and encourage thoughtful planning relative to low water tree planting	2	2		4	1
Community Services #1 Expand community programs and services that support sustainability goals				0	1
1. Expand programs that serve low-income qualifying applicants	2	1		3	2
2. Create Resiliency Hubs for neighborhoods with higher populations of seniors and lower-income residents, starting with Vista del Camino and the Granite Reef Senior Center	1	3		4	
3. Support implementation of Blue Zones Initiative	2	1		3	2
4. Expand partnerships with communities to identify and address needs	1			1	1
5. Include users in planning for community services (food banks, low-income housing, etc.)		1		1	1

6. Create services for preventing homelessness and stable housing	11	1	12	4
7. Expand homeless outreach services and Day Relief Center program			0	3
8. Offer translation services to anyone needing assistance			0	
Character & Arts #1 Support character-based planning			0	1
1. Increase integration of sustainability and the importance of the Sonoran Desert environment into Character Area Plans			0	1
2. Encourage energy-efficient designs for outdoor lighting that reflect the local context	2		2	2
3. Incorporate passive design cooling strategies for building and site planning designs	2		2	3
4. Integrate LID/GI into neighborhood-level street improvements		1	1	1
5. Investigate code updates based on energy performance for historic preservation and promote preservation as a sustainable practice	1		1	1
Character & Arts #2 Strengthen connections between arts and culture and sustainability			0	1
1. Fund public art creation and maintenance with sustainability themes	1	1	2	2
2. Expand 'Traceries' trash/recycle bins program	1		1	
3. Develop and support youth arts programs		1	1	3
4. Promote the Scottsdale Heritage Connection and other historical programs	1		1	2
Economic #1 Integrate green innovation and business into economic planning			0	3
1. Attract businesses that support sustainability and smart city development	7		7	3
2. Create a green business recognition program	2	3	5	1
3. Develop sustainability goals for the Tourism & Events Strategic Plan	1	3	4	2
4. Work with anchor institutions to implement sustainable practices	1		1	1
5. Include environmental questions in Special Event Permit application	3	1	4	2
6. Showcase the city's commitment to sustainability for business development	1		1	1
Education #1 Improve community sustainability knowledge and capacity			0	2
1. Develop a Sustainability Academy	3	2	5	3
2. Maintain and continue Green Building webinar series	1		1	3
3. Collaborate with SUSD and other schools to develop a K-12 sustainability curriculum with locally relevant assignments and add sustainability leadership positions to student councils	6	2	8	2
4. Promote libraries, community centers, parks, and other city facilities as resources and connections to nature	1		1	1
5. Create a culture of sustainability within city operations and launch an employee Green Team	1		1	2
6. Offer sustainability-related opportunities in Volunteer Program	1		1	1
7. Participate in sustainability events hosted by Mayor's Youth Council	1		1	2
8. Develop interactive ways for people to interact with sustainability features (e.g., talking garbage cans)	1		1	3
Heat & Hazard #1 Reduce urban heat impacts	1		1	4
1. Finalize Heat Mitigation Plan and Shade/Tree plans; implement priority strategies	4	3	7	2
2. Increase tree canopy and building-integrated and free-standing shade structures	3	2	5	1
3. Reduce the area of exposed dark asphalt, dark roofs, and other hot surfaces	10	1	11	1
4. Review parking and other related requirements			0	
5. Require all new multi-family residential and commercial buildings to have cool roofs and promote cool infrastructure technologies; promote cool roofs for single-family homes	1		1	2
6. Inventory Scottsdale's trees and increase tree planting especially in underserved or older neighborhoods; evaluate a 'matching tree' initiative	1	1	2	2
7. Implement an urban forestry program to balance shade and water use and to ensure maintenance of trees (especially in city parks)	1	3	4	1

8. Create a tree ordinance for proper maintenance and replacement near commercial and multi-family buildings	4	2	6	5
9. Require shading for 50% of site hardscape and minimize turf areas on new commercial and multifamily developments	2	1	3	5
10. Develop partnerships with local utilities for weatherization and tree planting programs	1		1	2
11. Seek additional funding for weatherization and air conditional repair/replacement for low-income households.			0	
Heat & Hazard #2 Ensure public safety with integrated emergency management planning			0	
1. Create an Emergency Management Plan & Program		1	1	
2. Work with regional entities, hospitals, faith-based organizations, schools, community groups, and large employers to ensure continuity of operations			0	
3. Provide education, emergency preparedness, and response training at the neighborhood level		2	2	
4. Increase the number of cooling centers and awareness of locations			0	1
Built Environment #1 Reduce impacts of the built environment by instituting sustainable building practices and policies	1	1	2	6
1. Implement a green retrofit and cool roof program for existing buildings	1	1	2	4
2. Require new construction and remodels install solar systems or be 'solar ready'	1	1	2	2
3. Establish mandatory green building standards, including for use of sustainable materials	4		4	2
4. Strengthen enforcement of all building-related codes	1		1	3
5. Continue LEED Gold Council Resolution for new civic structures			0	1
6. Encourage development where existing infrastructure capacity is available		1	1	2
7. Require/encourage site development strategies that incorporate green infrastructure, low impact development, and stormwater harvesting		1	1	1
8. Adopt and implement the latest energy and green construction codes for residential and commercial buildings	3	1	4	1
9. Establish a stormwater harvesting ordinance		2	2	4
Housing #1 Ensure benefits of greener buildings support preservation & creation of high-quality, safe & affordable housing			0	
1. Coordinate workforce housing locations with adjacent transit routes, bike lanes, bike routes, and shared use paths			0	
2. Develop a fund for construction of new affordable housing stock			0	1
3. Incentivize retrofits of older homes with energy efficient technology	2	2	4	1
4. Ensure that sensitive-design, low-water, and energy use strategies are applied equitably			0	1
5. Refresh guidelines for Green Housing Rehabilitation Program and seek additional funding			0	
6. Develop sustainability guidance for repair and replacement programs			0	1
Smart City #1 Improve community livability & city operations by combining smart technologies w/traditional infrastructure	1		1	1
1. Continue implementation of the Smart Cities Strategic Roadmap by conducting projects to solve problems using smart city solutions			0	
2. Involve the community in smart cities projects, including those planned for the SkySong area relating to sustainability, public safety and economic development, and for Old Town Scottsdale regarding wayfinding and sound mitigation		2	2	1
3. Explore emerging smart technologies (such as lighting, water, sensors, GIS) and integrate cost-effective solutions to optimize existing infrastructure			0	
Waste #1 Increase the diversion rates for material streams by expanding services		1	1	4
1. Work with city-sponsored events to be zero waste		1	1	2
2. Require builders to include space for recycling in new multi-family housing	4		4	2
3. Require a 50% diversion rate of construction waste for new commercial projects	4		4	2
4. Promote commercial and multi-family recycling	1	2	3	3
5. Develop a green event program			0	1

6. Host an expo with vendors to promote and educate about green event options	1		1	1
7. Investigate how to increase recycling or reuse of cardboard boxes		1	1	1
8. Expand reuse of surplus municipal goods including through sale of excess containers and equipment	2		2	1
9. Reduce use of single-use, non-recyclable, and non-compostable packaging and bags	2		2	2
Waste #2 Strengthen local markets		1	1	1
1. Adopt city green purchasing and local policies and practices			0	1
2. Attract circular economy companies and entrepreneurs			0	1
3. Create program to reuse building materials		1	1	3
Waste #3 Expand opportunities for diverting organic waste from the landfill		1	1	
1. Offer composting at five city-owned or -managed buildings or venues by 2025			0	
2. Develop a city-wide composting program	4	3	7	6
3. Establish a green/yard waste drop-off program	2	1	3	4
4. Incentivize composting by providing backyard composters		1	1	3
5. Promote commercial and multi-family green waste diversion	1		1	1
Food #1 Ensure access to healthy foods for all community members	1		1	4
1. Expand operations of the Vista del Camino Food Bank	1		1	1
2. Partner with non-profits, grocery stores and food businesses to reduce food waste and donate food to those in need, especially children	1	2	3	1
3. Establish community gardens throughout the city	2	3	5	2
4. Encourage sustainable food purchases for events		2	2	2
5. Assess and map food deserts	1		1	1
6. Evaluate creation of a food policy council		1	1	
Implementation #1 Leverage governance structures for faster progress			0	
1. Use the Sustainable Scottsdale Steering Team as a forum to elevate to leadership important or city-wide issues that impact the achievement of sustainability goals	1		1	
2. Recognize achievement and encourage aspiration			0	
3. Share successes and challenges with other cities locally and nationally	3		3	
4. Set a green procurement goal as a percentage of total municipal purchasing	1		1	
5. Formally update the Sustainability Plan on a regular cycle	1		1	
Implementation #2 Increase capacity for implementation			0	
1. Identify and nurture staff and community champions for sustainability			0	
2. Create staff training modules and community outreach media to increase awareness of sustainability solutions and to build the constituency for continuous improvement			0	
3. Craft a 'build-a-plan' toolkit for residents and small and medium businesses, including a mechanism for reporting on progress	7		7	
4. Regularly engage with communities and residents			0	
Implementation #3 Reflect community values in implementation			0	
1. Build an implementation toolkit to drive decision-making in execution of strategies and actions	1		1	
2. Partner with Diversity, Equity, and Inclusion program on implementation prioritization			0	
3. Focus on cross-cutting issues such as purchasing and procurement, communication, and checklists for evaluating current projects and proposals	1		1	
4. Expand community engagement to give more community members a voice on implementation			0	
Implementation #4 Ensure transparency			0	

1. Produce an annual report on progress and challenges associated with implementing the Sustainability and related plans and on the Sustainability Indicators
2. Track operating and capital spending on sustainability-related work and make savings transparent by tracking operational savings and project rebates in partnership with the City Treasurer
3. Document estimated co-benefits, like improved air quality and health and consumer savings
4. With the Scottsdale Environmental Advisory Commission, host a regular community open house to share successes and solicit feedback

1

2

1

2

0

0

Survey Report (11/16/2022)



Sustainability Plan

Survey Results
FINAL

11/16/2022

Please rate the importance of each of these proposed actions.

Question	1 - Not Important	2 - Neutral/Don't Know	3 - Very Important
Climate Planning #1: Establish framework to reduce climate emissions and impacts	15%	16%	69%
Climate Planning #2 Address adaptation to impacts of climate change	15%	19%	66%
Energy #1 Develop a Net-Zero Energy Strategic Plan to add renewable energy and energy efficiency	19%	17%	64%
Energy #2 Improve municipal energy performance	8%	21%	72%
Mobility #1 Strengthen integrated transportation planning	9%	30%	61%
Mobility #2 Prioritize active transportation	11%	48%	41%
Mobility #3 Ensure accessible mobility for all residents by improving transportation systems	11%	29%	59%
Air Quality #1 Clean Scottsdale's air	7%	17%	76%
Air Quality #2 Accelerate electric vehicle (EV) adoption	31%	25%	44%

[Expand all](#) / [Collapse all](#)



Climate Planning #1: Establish framework to reduce climate emissions and impacts



Climate Planning #2 Address adaptation to impacts of climate change



Energy #1 Develop a Net-Zero Energy Strategic Plan to add renewable energy and energy efficiency



Energy #2 Improve municipal energy performance



Mobility #1 Strengthen integrated transportation planning



Mobility #2 Prioritize active transportation



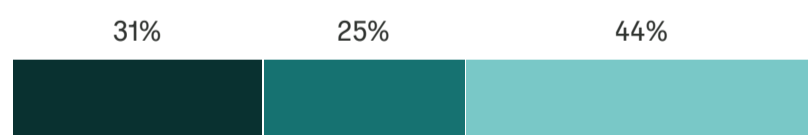
Mobility #3 Ensure accessible mobility for all residents by improving transportation systems



Air Quality #1 Clean Scottsdale's air



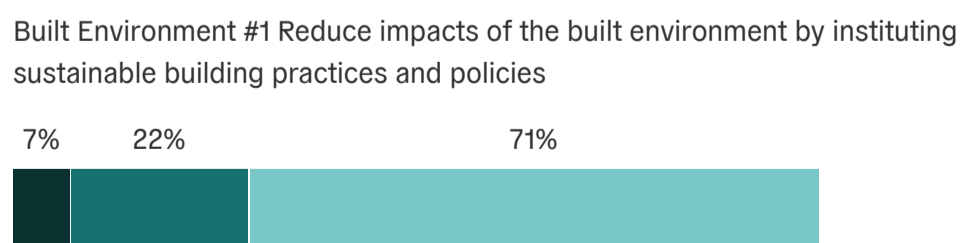
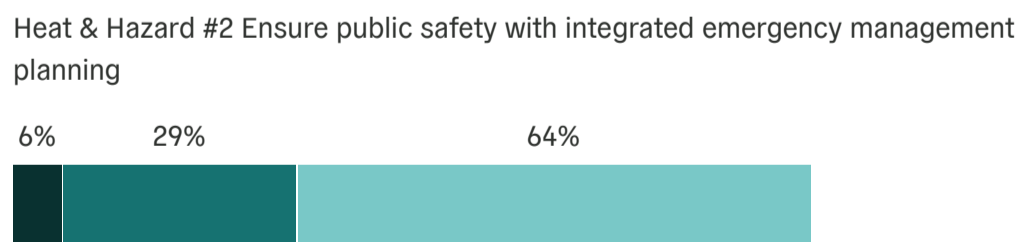
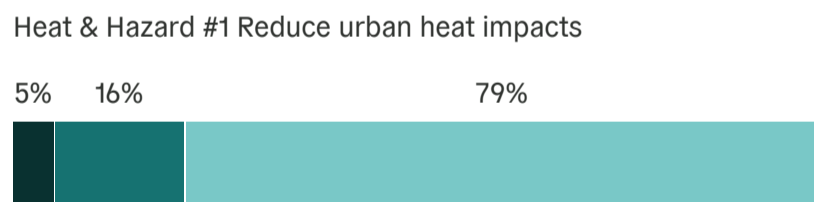
Air Quality #2 Accelerate electric vehicle (EV) adoption



Please rate the importance of each of these proposed actions.

Question	1 - Not Important	2 - Neutral / Don't Know	3 - Very Important
Heat & Hazard #1 Reduce urban heat impacts	5%	16%	79%
Heat & Hazard #2 Ensure public safety with integrated emergency management planning	6%	29%	64%
Built Environment #1 Reduce impacts of the built environment by instituting sustainable building practices and policies	7%	22%	71%
Housing #1 Ensure benefits of greener buildings support the preservation & creation of high-quality, safe, and affordable housing	13%	20%	67%
Smart City #1 Improve community livability and city operations by combining smart technologies with traditional infrastructure	9%	27%	64%

[Expand all](#) / [Collapse all](#)



Housing #1 Ensure benefits of greener buildings support the preservation & creation of high-quality, safe, and affordable housing



Smart City #1 Improve community livability and city operations by combining smart technologies with traditional infrastructure



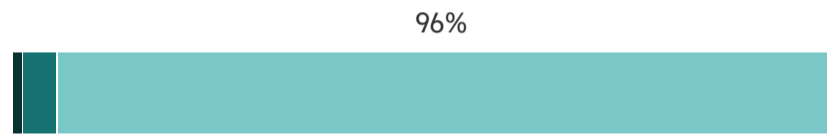
Please rate the importance of each of these proposed actions.

Question	1 - Not Important	2 - Neutral/Don't Know	3 - Very Important
Water #1 Ensure water system resiliency	1%	4%	96%
Open Space #1 Expand management of open space and improve access	6%	25%	69%
Open Space #2 Support practices that preserve the Sonoran desert ecosystem	3%	10%	87%

[Expand all](#) / [Collapse all](#)



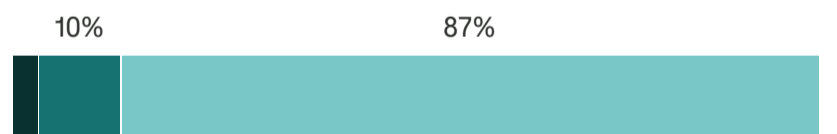
Water #1 Ensure water system resiliency



Open Space #1 Expand management of open space and improve access



Open Space #2 Support practices that preserve the Sonoran desert ecosystem



Please rate the importance of each of these proposed actions.

Question	1- Not Important	2 - Neutral / Don't Know	3 - Very Important
Community Services #1 Expand community programs and services that support sustainability goals	12%	34%	54%
Character & Arts #1 Support character-based planning	17%	52%	31%
Character & Arts #2 Strengthen connections between arts and culture and sustainability	26%	43%	31%
Economic #1 Integrate green innovation and business into economic planning	14%	22%	64%
Education #1 Improve community sustainability knowledge and capacity	10%	27%	64%

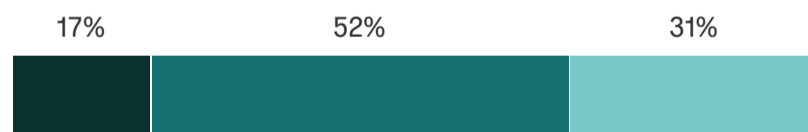
[Expand all](#) / [Collapse all](#)



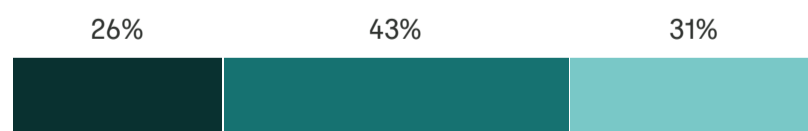
Community Services #1 Expand community programs and services that support sustainability goals



Character & Arts #1 Support character-based planning



Character & Arts #2 Strengthen connections between arts and culture and sustainability



Economic #1 Integrate green innovation and business into economic planning



Education #1 Improve community sustainability knowledge and capacity



Please rate the importance of each of these proposed actions.

Question	1 - Not Important	2 - Neutral / Don't Know	3 - Very Important
Waste #1 Increase the diversion rates for material streams by expanding services	7%	45%	48%
Waste #2 Strengthen local markets	5%	43%	52%
Waste #3 Expand opportunities for diverting organic waste from the landfill	6%	25%	69%
Food #1 Ensure access to healthy foods for all community members	11%	27%	63%

[Expand all](#) / [Collapse all](#)



Waste #1 Increase the diversion rates for material streams by expanding services



Waste #2 Strengthen local markets



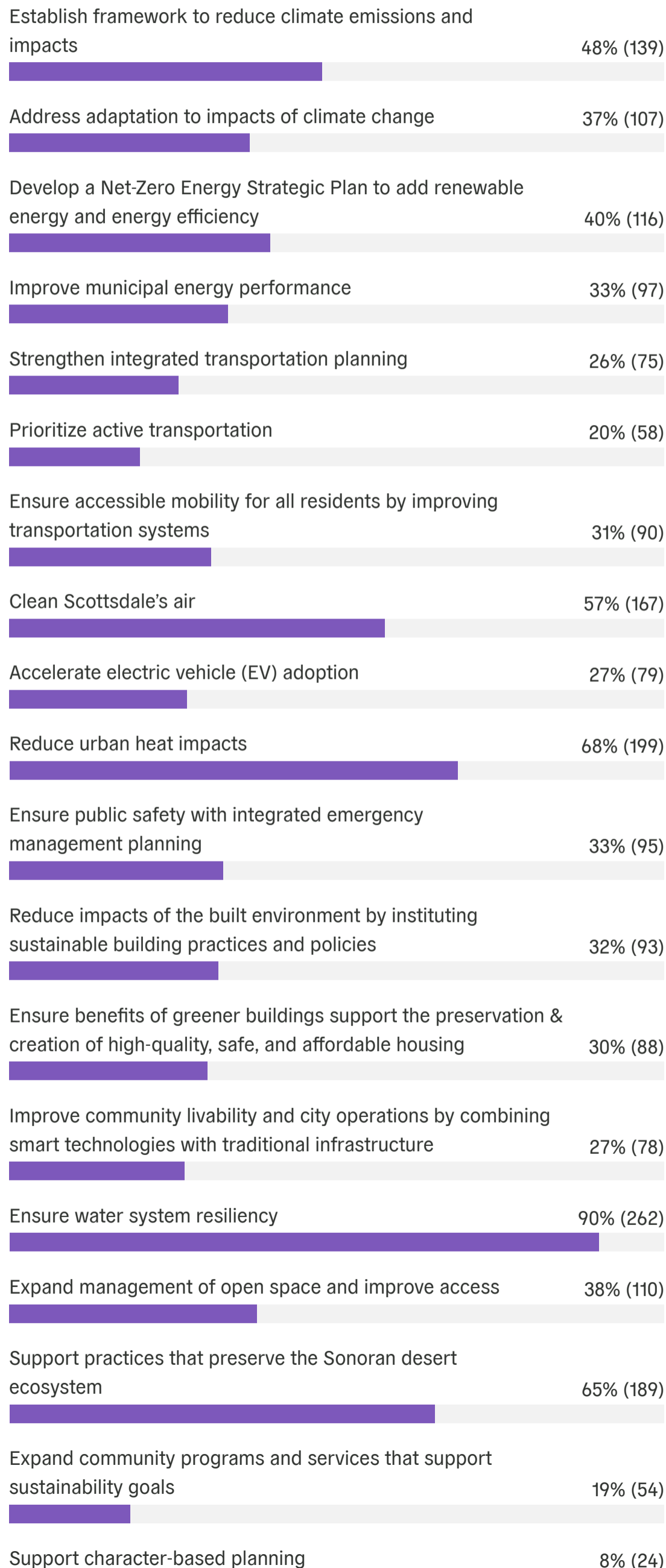
Waste #3 Expand opportunities for diverting organic waste from the landfill

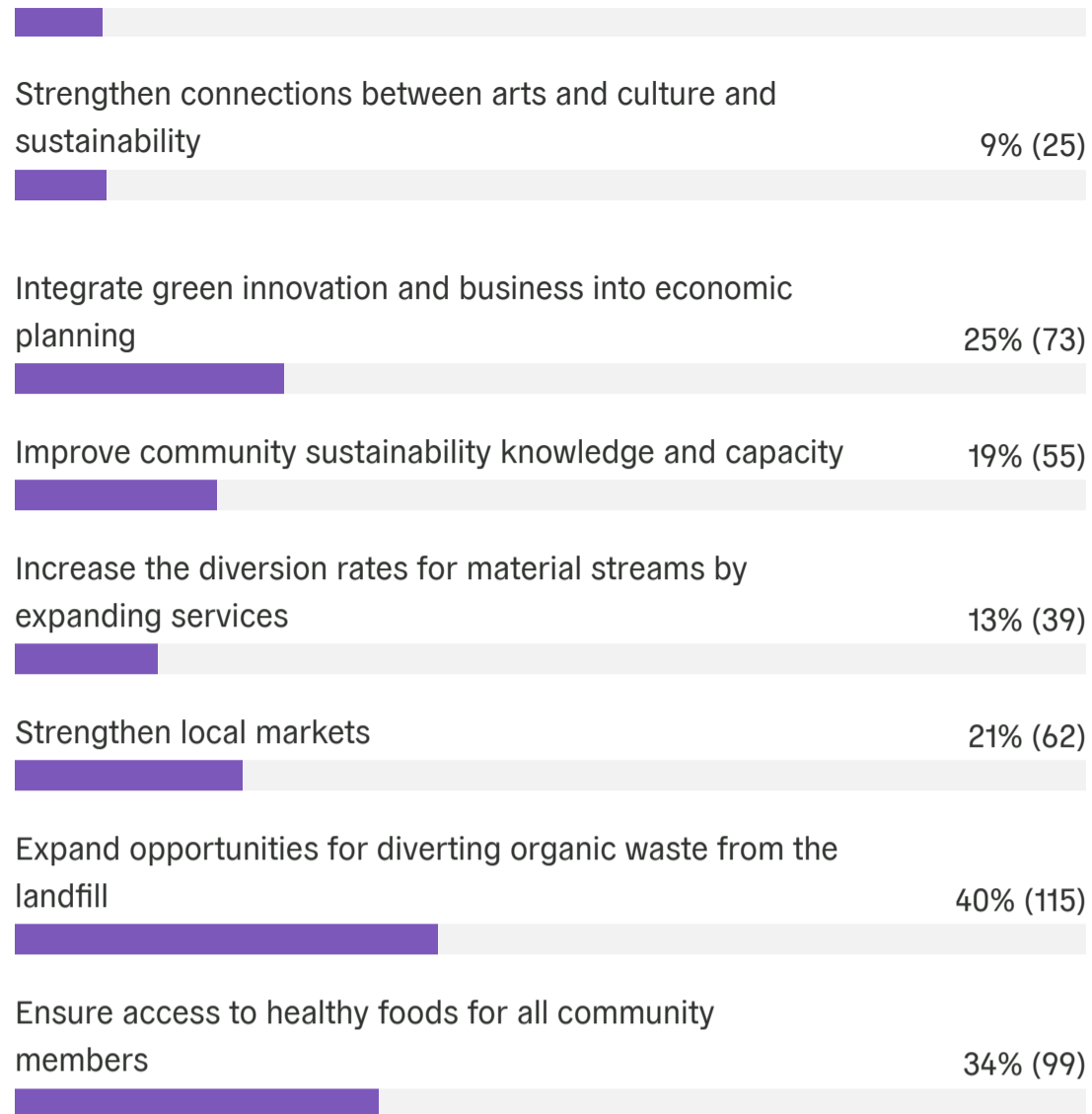


Food #1 Ensure access to healthy foods for all community members



Please select 10 strategies from the list below that are the most important to you or that reflect your priorities for Scottsdale.





Do you have any other comments or suggested strategies?

Please address homelessness in Scottsdale and the begging on every corner.

Develop walkable and bikeable retail centers along active transportation corridors. Many people would walk or bike to coffee shops, groceries, entertainment, etc if the risk of being in a motor vehicle accident was not so high.

Scottsdale needs to connect to the Phoenix light rail using downtown as its hub.

Yes, stop worrying about "climate change" and start taking action with the terrible effect of "Short term rentals on our residents

Include heat due to reflected glass and cement, and wind impact statement for all new buildings over 3 stories.

Please improve public transportation and add bike lanes and reduce parking requirements to make the city more walkable and less car-dependent.

Include heat due to reflected glass and cement, and wind impact statement for all new buildings over 3 stories.

Recycling - make more of an effort to educate citizens on what can be put in their recycling container, how to clean/prepare recyclables, where to recycle items that don't get put into the container. A detailed downloadable pdf or multiple short videos could be very educational and encourage recycling the right way.

Stop building multi unit, high rise housing in Scottsdale! You are heading to Section 8 housing in the next 10 years.

Most of this is useless. Manage the city/municipal resources and utilities well for the Scottsdale residents to attain maximum benefit. Stop wasting the residents' tax payments on implicit frivolity.

Less density less condos apartments

Expand the bus system into McDowell Mountain Ranch so residents can ride to Mustang Library/Hospital area and the shopping corridor in that area. Water conservation - services to fix leaking water lines in landscaping or referrals of reputable companies to get this done.

Reduce the number of these boxy, unattractive, and non affordable (for workforce people) apartment/condo complexes

Look at total cost and savings, and consider unintended consequences. (ie EVs requiring more metals/mining)

Stop adding so many new apartment buildings!!! Kierland Commons area looks like Tempe now. It's awful!

Everything you say above is very important and I think it can all be done with an integrative plan.

Switch from EV's to Hydrogen fuel and fuel cell cars true zero emission if made from renewables

Don't turn areas into concrete jungles and keep our trees and plants healthy- we have a responsibility with nature - in turn, nature returns the favor

Increase water systems and improve long term aquifer.

Less bureaucracy.

No

Affordable housing for the elderly.

no

need affordable housing for retired people

Water and climate changes are our most significant issues !!!

It is a mistake to push EVs in the desert southwest. Study after study shows how inefficient their discharge and recharge rates are at high temperatures. Plus our grid is still 50% carbon based. And the chemicals to make the battery create a big impact on the environment and fund totalitarian regimes. And people overestimate the "good" they are doing by buying one. There are much easier and cheaper things we should encourage and do. - Get rid of small areas of turf (waste of water, overspray deteriorates roads, etc.). City owned strips (especially medians, berms and verges. - Tax the **** out of bottled water so that people either don't buy it or use that tax revenue for green funding. (People think that because they recycle the bottle, it's ok. They need to understand the energy and oil used in its production, transportation and recycling). - Revisit the trolley system. I spoke with several drivers while at senior centers and they say that in the summer, total ridership on their bus route is less than 20. Some admitted that there are days with less than 10. Do we need smaller busses? Less frequent busses? Better drop off sites to make them worth it? (One senior told me that she would like to use it to go to Walmart, but the drop off site there is too far to walk with groceries) - A degree higher setting on ACs would do wonders for our air and lower their bills. This includes municipal buildings too. (And we overheat them in the winter, too.) - Encourage people to not heat pools all winter long. - Ban invasive species, particularly grass and shrubs that are tinder for wildfires. - Work with other municipalities and the Tribal Nation to improve capture/reclamation of monsoon run off - Enforce tree maintenance in developments 5 and 10 years after completion. Too many projects promised trees (especially in parking lots) but don't replace them when they die (which is usually because of bad irrigation). Not acceptable. Condition of build included trees. Ongoing operation should require it. (Yes, that means we need to hire staff to follow up.) - Consider incentives to install green aspects to existing homes/buildings. Future construction is a fraction of existing buildings. We need to address that. - Consider limiting pool sizes for new construction single family homes. - Here is a controversial one: Make oversized vehicles (Suburbans, Escalades, Extended-cab Pick-ups) park only on top levels of municipal parking structures. That way they don't take up two spaces of premium parking and maybe people will think twice about these gas guzzlers.) Or ticket them if they don't park within a single space. - Work with SRP and CAP to see if partial coverage of canals could meaningfully decrease evaporation. Perhaps cover with solar panels, especially in the desert areas.

We need to take a hard look at golf course water consumption. It needs to be objective, based on actual use of potable water, not what the courses report.

No

STOP THE OVER-BUILDING OF SCOTTSDALE!!! go down any street in scottsdale and it seems there is a new apartment or condo complex going in. now if these buildings were for the disadvantaged, maybe that wouldn't be so bad. but something tells me that only the more affluent citizens will be living in those buildings.

Must be sure we use enough dependable fossil fuel-produced energy so we are not driven into poverty for silly green goals.

Composting site and green waste trash cans

Air quality is a national issue. Don't waste our money

Water resiliency, reducing heat impact, and reducing climate emissions and impact are most important.

Hands off government approach, and allow free enterprise system to address community needs.

These questions were not written very clearly.

No more approving high density apartments that will increase heat index and consume more water

Water is life clean live water for all people

Concerns about sustainability are ridiculous and foolish.

Please allow residents to drain their pools (and leave them empty) without penalties by our HOAs.

While doing this, keep Scottsdale desirable for living, visiting & shopping.

Please work on more affordable housing for underserved.

We're running out of water. Need to address this now.

Stop spending money on projects that have negligible impact on "climate" even if they sound "good"

The water issue needs to be seriously addressed with each of the new building permits granted, especially those involving more than 100 residential units. While the solar panels on schools are a good start, they should be part of all new construction in the city.

None

Control e bikes use in public parks, they are too fast they should be on the street

I am delighted that the City has offered a credit to residents for water reduction landscape projects. I would encourage simplifying the wording and terms of the program. It took me many re-readings, to understand all the particulars and requirements. Thank you to the staff, when I called the office with further questions they were answered politely and accurately.

The current Scottsdale lifestyle is not sustainable. As one example, large golf course centric homes occupied only part of the year consume exponentially more water per person per occupied day than multi family homes nearer the center of Scottsdale. Confronting the massive water suck, however, is political suicide. Those homeowners lobby hard to perpetuate that lifestyle. For that very reason I expect Scottsdale to fail to adopt a viable sustainability plan. Experts know exactly what we must do. But City council members know they will get voted out if they follow through

No

Stop allowing development in the desert. The development at Hayden and 101 will surely contribute to excess use of precious commodities. Why has Scottsdale allowed the destruction of the desert, which is the reason many moved here?

Nothing over 4 stories. No more apartments in south Scottsdale.

Too many apartments being built

We were in several European countries recently and noticed the following: They do not use a lot of throw away cups at fast food venues. They try to eliminate trash. Ex. At Oktoberfest, the food vendor had coffee in a glass cup, so you stood there and drank it instead of walking around. In Germany, we were told it was expensive to get a drivers license and you had to be 25 (I think). Therefore, a lot of people rode bicycles. To reduce pollution in downtown Scottsdale, create an incentive (great public transportation), offer out of town parking garages for condo residents and encourage

bicycles, walking to grocery, banks, etc. Make it more expensive if you live in town and have a vehicle because of great public transportation.

Do everything we can to keep the McDowell Sonoran Preserve in good condition.

More bike infrastructure and more public transit! There should really be a light rail or at least a bus rapid transit line from Tempe to Scottsdale

Smarter traffic control and management systems to reduce idling traffic backups at lights. Require new condo/apartment/townhouse projects to add solar and heat island impact mitigations. Raise water rates for residents above 300% FPL, golf courses, sports facilities. Add significant penalties to commercial properties who do not quickly remedy water leaks.

Zero emissions sounds great but I don't know exactly what that entails for Scottsdale...these strategies need to be defined well, with achievable goals..

Jail Mark Kelly. PLEASE.

Reduce the building of high rise confos

No

Begin restrictions on water use (maybe starting w/ lawns). Incentivize businesses that offer telecommuting to their employees. Bring more EV's to AZ! They're so hard to find outside of CA. Free school lunch. Reduce connection fee for solar panel use. Include compost w/ trash collection. Educate the public on proper recycling practices--check out what Tokyo does to educate their public on how to sort waste properly. Where am I supposed to take my e-waste and why isn't this easier to find? Incentivize aluminum/metal recyclers to make their facilities easier for the general public to use.

Stop the development of high rise buildings that BLOCK THE MOUNTAIN VIEWS. Camelback is VERY IMPORTANT to TOURISTS! I meet people from all over the world wanting to walk or hike either side of Camelback. The views from the restaurants,,, makes \$\$\$\$.

No, but thank you for including me

Get off the Gen Z Climate Change Mantra

1.)Solar panels over the water in the canals. 2.)All newly built residential and commercial buildings must have solar panels on the roof. 3.)Some sort of incentive for AZ residents to persuade them to trade in their vehicles to purchased new/used electric vehicles. 4.)Volunteer programs for folks to pick up litter and garbage from around the city and/or vouchers for homeless/people in need to exchange bags of garbage for meals.

Stop chasing the allusary concept of affordable housing. Housing will never be affordable when the land underneath it is not affordable.

Create a more focus survey such as density, road improvement and parks.

Scottsdale needs to put an moratorium on new building. No sense in keep throwing up condos and homes to the north when the roads and water situation can not sustain the population now... Only adding to the poor air quality and congestion around the city.. Money isn't everything in life!! Quality of life is more important.

Quit approving apartment buildings with tens of thousands of new residents and no parking. And taking away driving lanes. Ridiculous!

Require emissions controls on non-electric golf cart taxis.

Recognize we are running out of water. Stop approving so much new housing!!!!

Keep Scottsdale safe, wild & beautiful. Maintain Scottsdale's small town feel. No more high rise, multi-family construction. Keep population density low. Ban panhandling.

Need to understand the cost benefit of these proposed efforts. Lots of fuzzy words that can mean anything, without real supporting data.

Scottsdale trash recycling is basically NON EXISTENT. THIS IS HORRIBLE!!!!

You are using so many vague and undefined terms, it seems intentionally designed to be confusing and thus manipulative!

Slow down development....stop building more multi housing units that are way to expensive for average citizens

WATER ! first priority - ; I suggest you connect with your local MPO https://en.wikipedia.org/wiki/Maricopa_Association_of_Governments I travel there frequently and NO HOTEL has a recycling bin in the facility which I find DISGUSTING!

Increase support for bicycle use throughout the city. Include dedicated bike lanes, additional bike paths, funding for bike co-ops and more recreational mountain biking trails.

Winter grass uses less water than summer grass.

CITY: focus on water for our future. OLD TOWN: Cut crime/ add more parks, family friendly green spaces-fewer high rise apartments and bars. Hold meetings with HOMEOWNERS, make resident needs as important as visitors/investor needs

Way too much emphasis on climate change rhetoric in this survey.

Great survey!

Develop mini neighbor to bring commerce closer to the neighborhoods. More focused, supported and ingrained alternative transportation networks including cycling etc. to separate and complement driven vehicles. Calm and avoid the 'Shea Blvd' mini freeways catering to through traffic through Scottsdale. For a Scottsdale resident Shea between Fountain Hill and 101 is an negative adventure to live near and to use. Ensure more neighborhood City pathways connecting neighborhoods.

require apartment complexes to provide recycling containers

Make a much higher priority on water conservation

No

Relocate Scottsdale Airport. If you really desire clean air and protecting the desert ecosystems, then having the busiest single runway private jet airport in the USA, located in the middle of town, neutralizes all efforts. We have horrendous aircraft noise pollution 6+mo./yr, in N. Scottsdale, and private jets are the most polluting form of transportation per passenger on planet Earth. All Scottsdale ever does is try to expand capacity at the airport, rendering all your "green" initiatives a sad, hypocritical joke...

As an artist who's a Democrat and a 60 year resident of Scottsdale, I was born here, I think everything on the list is important . My top 3 issues are water conserving, controlling gun violence (safety) and inclusion all around for folks with developmental and physical disabilities.

No

Heat mitigation, water conservation and supply, green buildings and homes, alternative energy are key priorities

Scottsdale stands out for its lack of good transportation - specifically, light rail. Frequent and easily accessible light rail service is key to addressing long-term climate goals. Bicycle infrastructure should also be prioritized, being a great mode of transport especially in the non-summer months. E-bikes are a game changer and we will see more people getting around through this mode of transit (including myself -- now commuting via e-bike).

Great idea, but we need more (any) dog parks in N. Scottsdale, likely all Scottsdale. We have traveled to many cities across the state, and Scottsdale would be dead last in the number of dog parks. Pickleball

courts are nice, but I can guarantee you more people in Scottsdale own dogs than play Pickleball.

Bike friendly paths and bike lock up locations are a good place to start !

Cleaner air and heat island effect are top priorities. Without raising taxes

We need some policies that will help address water shortages, also capture rainwater during monsoons

Water conservation should be a priority

Find out who is responsible for issuing building permits that allow the rear wall of a home to be three foot from a boundry wall, and cut that crap out !

Management of Invasive plant species in open spaces before the situation is out of control

Improve traffic management

There needs to be a plan in place to address drought conditions and water rationing.

Please don't make Scottsdale into a California city.

provide infrastructure when allowing higher density housing

There are a lot of good arguments that climate change isn't a problem. Atmospheric temperature sensors do not show rising temps

Adopt Complete Streets standards to improve pedestrians and biking safety

It seems like a lot of park land, for instance Chaparral and Indian School park could have a lot of the grass removed and Xeriscaping put in. Especially along Hayden. Areas that are unused by humans and animals.

no

Do we have enough water to sustain all of these new apartment buildings

City needs to encourage micro- or mini-grid electrical systems using PV solar panels. These should be established in all neighborhoods with the low-income neighborhoods included through City financing and construction. PV panels could be set above parking lots and/or sidewalks to further reduce heat islands. Upper-income neighborhoods can finance their own systems.

It's very important to build affordable housing and support public transit so our region can reduce vehicle miles traveled and immediately begin to reduce pollution. simultaneously, we need to rapidly invest in solar technology to prepare our grid for electric vehicles. many studies shows that electric vehicle adoption will be slow, due to many factors. about 40%-50% of Americans are now cost burdened by rent, have college debt, or low credit scores, that make purchasing a new EV difficult or impossible. even though ICE would be banned by 2035 in order to achieve carbon neutrality, many people on section 8 vouchers or social security will not have access to electric vehicles for decades. public transit will be the only viable option for many people. in 1990 we had an estimated 500 million drivers and today we have between 1- 1.5 billion drivers. (it's not an exact science) but based on population growth and rising incomes in developing countries, we project there will be 3 billion drivers by 2050. because cars have an average lifespan of 10 years, it could be 7 billion vehicles in total. electric vehicle production (EV "externalities") still have a very high carbon cost, the entire EV supply chain is laced with fossil fuels. in theory electric vehicles could reduce pollution in a perfect sterile world, but we don't live in a perfect world. if vehicle miles traveled increases at a rate higher than electric vehicle adoption, then pollution will continue to increase. the global supply chain will be a mixture of fossil fuels and renewables, and vehicles will be a mixture of I.C.E and EV. (think 70% ICE- 30% EV)

electric vehicles are very expensive and batteries are not necessarily good for our environment. Do the right research before hoping on the EV bandwagon. Scottsdale is innovative - and SMART!

Need to improve trail systems to link isolated neighborhoods in northern Scottsdale to the rest of the city. Poor planning in north Scottsdale forces car dependency with little or no safe alternate transportation options.

None

Keep the culture of Scottsdale while being responsible

Spend resources only on projects with provable results and forget the DREAM of all electric vehicles and fully sustainable buildings, eight of those is practical if you are being realistic.

NoNNo

Improve Camelback Rd. for pedestrians.

Publicize that you are incorporating the actions that you ask the residents to do .. Like reduce water consumption

You haven't ask one question about preserving water. It's a disgrace that our city has not made it mandatory that all homeowners/communities stop watering their lawns. Let the grass grow and die naturally - or require all homeowners/communities go to desert landscape. We should be thinking of the future of water in our state and not think that "Scottsdale is special" and doesn't have to help. We do have to stop this pure vanity of a lawn and stop it now!!

Establish city wide composting with pick up.

Implement composting in the HOAs

Ban the use of high pollution emitting gas powered landscaping machines in our community.

Stop with the electric cars...it's just the tip of a very large iceberg.

Identify, evaluate and suggest alternatives to solar energy. Find technologies with a small footprint that generate 24/7/365 cheap energy. Encourage sustainable and environmentally clean living through "building a better mousetrap" rather than just passing out subsidies to push solar power and electric vehicles. "Build it and they will come." Isn't that how cell phones became popular? The government didn't try to force them down our throats. It was just a novel, practical, desirable technology that everyone was tripping over each other to own. Also, bicycle paths may need to accommodate an increase in electric bikes and go-peds. Non-motorized bicycles should be viewed as recreational and not as serious transportation alternatives when planning bike paths. I believe the future of transportation is personal air jets and air cars. I don't know what kind of fuel they use. I think they are beginning to use these in Saudi Arabia (see Zapata Industries). Maybe we need to start thinking about how we would regulate these.

Would like my street paved. E CALLE DE MANDEL. Remove pot holes

- As an EV owner who's car has a short range, having EV chargers in public places is a low priority. EV owners charge at home. Please focus EV charging stations at hotels and apartment garages. - Sustainability measures for Extreme Heat need to include measurement of actual heat and heat reduction. I've seen a map of Scottsdale perhaps from satellite data recently. Counting shade trees is good, but given the tendency over time to prune shade trees until they no longer provide shade that measure isn't good enough. You get what you measure. So, measure the actual heat. - Speaking of shade trees: something needs to be done to make sure they continue to provide shade. (Ordinance, education, something) - In Built Environment, add grey water capability in all new buildings and remodels. - In Transportation: Trolley and bus schedules need to be synched with event

and performance schedules so they can be used to attend these and not just a way to get tourists to shopping districts. - In Waste: I miss the fabric recycling.

Allow ground mounted solar in NAOS

Not at this time.

No. The list is too long already. Citizens simply can't keep track of it all.

Specifically request for service for collection of organic/food waste

I don't even know or understand most of these strategies and what they are or entail

Yes - reduce multi-level building. This is critical, as it affects water issues, air quality, and the overall appearance of Scottsdale. The structures that are being built on Scottsdale Road near Greenway Pky are ugly, and the building that is proposed for Shea and 92nd is unacceptable if we are trying to improve sustainability.

Reduce carbon footprint of public facilities

Ensure program coordination with public and private K-12 and higher education institutions to involve students, educators and the public. ; also incorporate green living/eco-tourism to encourage sustainable practices among the hospitality industry and year-round visitors. Adopt the mindset of SRPMIC and other Native communities: consider the impact an action will have on seven generations in the future, and seven generations of the past.

Ensure Old Town Scottsdale retains and expands on its western and cultural heritage.

Incentivize water and energy savings with education, free measuring devices and more credits for filling in pools & xeriscape

electric cars are to help save the car industry, they are not more sustainable than good public transit

This questionnaire is totally flawed. There is no cost benefit analysis for implementing most of these ideas. There are trade-offs as to how much should be done or how little.

The less owner operated vehicles on the road the better. It can help with heat, air, climate issues

Cleaning Scottsdale's air cannot be done on its own. The prevailing winds bring in air pollution from Phoenix, which is worse than ours. We need to work with Phoenix city government to handle the problem together.

Get tougher on hoa's wasting water on non desert landscapes.

Reduce air pollution, less traffic, reduce leaf blowers

Density and walkability are silver bullets to fixing not only climate issues, but also economic resilliance for the city

Reducing heat island effect could happen if you stop allowing the construction of LARGE apartment buildings.

Solar requirements for new commercial and high-density residential projects, mandate smart water meters for all commercial properties to mitigate leaks, better community education on lawn watering requirements, better community education on desert landscape watering requirements.

We need these to be the norm, not the exception.

Incentivize reuse and recycling in deconstruction of buildings, including design for deconstruction principles. Require cabling for electric vehicles in garages in new build homes, commercial and industrial projects. Place L2 EV charge receptacles in lamp posts in street parking and in parking lots. Incentivize micro grids for new residential communities. Protected bike

lanes; more parking structures, remove vehicular traffic from some downtown streets, make into pedestrian only.

Is there anything else that you would like to share?

Work more closely and friendlier with residents that are trying to build/improve their houses.

Make solar cheaper and available especially for new homes and buildings. Climate change is real and we need to take active measures now!!!

The free trolley service is fantastic.

See comment above.

An architectural plan. Too many unsightly rental units

I would like the city to reconsider all of the building that has been taking place. The density of the city is changing whereby traffic is increasing causing more pollution.

Restrictions on short term rental in south Scottsdale where no hoa exists

Incentives for getting rid of grass and moving to zero scaping or artificial turf. Resources on what kind of turf is most environmentally sound.

Please do not reduce the lanes in major roads such as Scottsdale Rd and Hayden, forcing residents out of their cars into this heat to await buses, etc. Please stop taking actions in Old Town that further contribute to our diminishing arts district and turning it into a bar oriented area

do not "go green" for the sake of going green

I feel as though you've lost touch with local residents and instead are only pursuing things that increase tax revenue for the city (i.e. allowing overbuilding of the area)

The things I notice the most are the dirty air and the high buildings that block the mountain views. For the air, I think it would be nice if electric blowers and grass mowers were used rather than the ones that spout all that horrible air. As far as the buildings, I think three stories should be the limit. I also think there are a few ways to lessen the heat island effect. First, more trees. Second, a lot of people think the answer for getting rid of grass is to just have large pieces of land with rock on them, but unless there are trees to shade the rock, this is a heat island. Something else can be done, like plants that need either no extra water or only a little or something like that. Also, the large parking lots and strip malls are heat islands. You know, where there is a big parking lot and then an "L" shaped shopping area. I think it would make more sense to have a 3-story parking lot, so it takes up less space, and then have a plaza style shopping area, where people walk on the inside of the plaza area to shop, congregate, eat, etc. Kierland and the area across from Kierland are like that, The Borgata years ago was like that, and The Scottsdale Civic Center with AZ88 and the Center for the Arts and the Scottsdale Public Library used to be like that. I have not been there for a couple years because I have heard there is construction in front of AZ88, and I haven't looked up the plan for it. What I am the most concerned about at this minute is the lack of police control over the speeders both on the streets and highways. People run through red lights, go way too fast on the road, and have just forgotten basic driving rules because there's no one out there to stop them. Lots of times there are very fancy sportscars driving like it is a race car contest. I turned 60 this year and have my first grandchild, but I am afraid to take him for a walk in the stroller because people drive so recklessly, and I live in a very quiet spot, just north of Cactus and east of the 101.

quit worrying about the open space most of phx is capped by the Res or National Forest you need to curb these people coming here that only live here 6 months of the year yet run their pools and home year round, such a waste. let them live and vote at home

there should be incentives for homes to do sustainable desert gardens instead of so much grass (waste of water) and trees that are not native to this area. Additionally all gardens should be able to prove that their water systems are not leaking - (again huge water waste).

Climate change will continue to affect our environment so continue to find solutions to improve Scottsdale's environment.

No

Rent control for the elderly

no

need to plan to deal with the homeless

Keep high rise building down

I think it's great that the City is taking this seriously. Thanks for seeking input.

I believe that art should be part of this effort. But contracting with the non-transparent Scottsdale Arts organization is not the responsible road to take. Instead, this should be something that's part of the city government.

More law enforcement on traffic

Focus on gas produced energy so we have dependable cheap supply.

Electric vehicles are not the best solution.

love the incentives to get residents to reduce water use (removing lawns, etc.)

Outlaw gas leaf blowers!

Limit the number of huge apartment complexes in the city.

I'd define some of the questions better. Some wording is vague.

Spend money on projects with greatest potential payback

Not at this time.

As Scottsdale's population grays, the critical need for access to medical care will require many to move close to the medical centers and hospitals. High density homes must be promoted rather than objected to. Not only Healthcare workers but also aging residents will need homes proximate to the medical centers. Denying projects such as Hovey or Ironwood will quite literally cost lives when 5 minute ambulance trips become 30 minutes

No

Start listening to those that live here as opposed to land developers.

Please stop all the high rises

I think our home was built cheaply and lacks quality construction, yet because it's in an area built up in the 80s, it is a desirable area. Ex. The wall separating the garage to the house is not insulated therefore is very hot on that side of the in the summer causing more electricity to be used; the windows are not dual pane or heat resistant causing more electricity to be used, we do not have a gas fireplace and have to burn wood causing pollution. Point is---don't allow builders to build inefficient/cheap business buildings or housing that doesn't help the environment or energy consumption. Look to provide a tax incentive, partnering with builders for homeowners to bring their home up to energy efficiency.

Control housing and business development to keep our water demands low.

Accessibility in the community in all areas for those with disabilities is greatly needed.

Please do not allow any further building around desert and mountain parks

Plan wise use of all resources and sustainability will come as a natural consequence and not cause expenditures before technology is available to do things well.

It is important to me that the City continue bulk trash pickup. I am very concerned about our water supply, given the "arification" of the Colorado River basin...

Wife and I enjoy life in the Sonoran despite all the posers and golfers that seem to permeate the immediate vicinity.

Important for Police to be focused on crime primarily with minor driving infractions a low priority.

No

I moved to Scottsdale in 1949. We use to have sky bluer than blue. Lets clean up the air and get back to those beautiful skies

Water is our greatest resource and one that we need to protect. Reducing the land that can be used for further development is critical. Stop building more and more apartments!

Goals need to be realistic and measurable. The city should re establish and support a staff team dedicated to sustainability.

Climate change is a fraud. The green new deal and all of its tenants are bogus. Stop being "woke" and just govern responsibly and with common sense.

Focus on big businesses/manufacturers that contribute to largest amount of water use and emissions in the area

PRESERVE the "West Most Western Town". What happened to Mayor Drinkwater's Plan?

Providing affordable housing is not your job. I want to have a place in Jackson Hole but it is not going to happen!

Reducing heat island effects seems to be an important goal.

Many people don't know how much water they waste when they have grass lawns in the desert. Perhaps knowledge about not watering lawns in the afternoon when most of it gets evaporated, and incentive for residence to switch to a desert landscape or artificial turf?

Stop trying to increase population in Scottsdale. Keep the character of Scottsdale. Stop allowing high rise building which uses up water resources, increases traffic and increases population in a city already getting overcrowded. There are lots of places for people to move if they can't afford Scottsdale itself.

Your answer options are not specific; very important? Important/don't know? Number system would give you better understandable answers.

Also you need to limit the private jets flying in and out of the Scottsdale airport. In addition to the noise, among other things, they are adding to the air pollution problem. I have white travertine patio that is often covered in soot from the air traffic and the dirty air in general.. Certainly not healthy to be breathing in .. also you need to enforce mufflers on motorcycles and cars. The noise pollution is sometimes deafening when they are racing up Thompson Peak on Fri and Sat nights! Smog controls on cars would be extremely beneficial as well!!

Quit approving apartment buildings with tens of thousands of new residents and no parking. And taking away driving lanes. Ridiculous!

Whiskey is for drinking, water is for fighting (over)

Very disappointed in the staff at Via Linda Senior Center.

We need a system or plan to capture as much rainwater as possible during rain events. Sufficient water supply is our greatest challenge moving

forward.

More facts, less jibberish

Scottsdale crime is unacceptable. Police are where??? Hire a lot more police - raise taxes. People are afraid to go out to basic places. Will we be mugged going to drug store, or to mailbox, or to bank Houses being broken into EVERYWHERE and nothing done. Crime is free for all!!!

You are using so many vague and undefined terms, it seems intentionally designed to be confusing and thus manipulative!

I have lived in Scottsdale for 40+ years and it has gone downhill substantially. City programs (classes, etc.) are way more expensive than Tempe offers. South Scottsdale has been ignored and development of large housing is out of control. I hate the way the area looks now with multi level buildings everywhere.

here in albany NY (not too hot but our energy costs are for heat) we already have in place residential composting; many solar houses (and we have a grey winter!); Many EV charging stations; and GET A TRAIN From Phoenix to TUCSON

Investing more in public education for water conservation, human powered transportation and healthy eating seem to be missing from this study.

More parks please

Go back to the family friendly upscale arts, shopping, restaurant, ample parks plan for Old Town... stop selling out to hi rise developers and bar owners

Thank you for listening and creating this important and incredible plan. Not to detract from all the other important topics, but I am especially excited about the widening of the multi-path trail system since I use it so frequently. Ideally separate 'bike' lane and a 'walk/run' lane would be ideal!

I am a single parent ,rent here in Scottsdale is too expensive . I can barely afford to take care of my son and myself. There needs to be affordable housing.

Bicycle improvements are fine but almost on one is using that one their primary transportation.

No

Relocate Scottsdale Airport. If you really desire clean air and protecting the desert ecosystems, then having the busiest single runway private jet airport in the USA, located in the middle of town, neutralizes all efforts. We have horrendous aircraft noise pollution 6+mo./yr, in N. Scottsdale, and private jets are the most polluting form of transportation per passenger on planet Earth. All Scottsdale ever does is try to expand capacity at the airport, rendering all your "green" initiatives a sad, hypocritical joke...

I think Scottsdale is doing a fine job in many areas. I appalling we still do not have any restrictions that residents have to follow to conserve water. Both California and Florida have had strict guidelines for decades and they are ocean states! We in the desert act as if water will flow endlessly.

No

Concerned about water conservation and the impact of drought on our ability to sustain our community and/or grow.

A strategy for each of the above needs to be developed and an executable plan put in place

These questions are so vague, and only three choices for answers... I can't imagine this information is in any way actionable.

We need to stop adding people unless we can support the water needs

Would like to see a focus on growth management (the need to grow effectively)

The Green Initiatives and Climate Change focus is not going to make a difference when you have India and China polluting the world

I like the mayor - Please keep the desert!

Please start limiting some of the new high rise apartments. Where is the water going to come from?

A lot of these statements are important but I would prioritize emission reduction/electrification and shade/trees with my tax dollars.

no

If we don't have enough sustainable water we need to deny building permits. And we need to enforce real water conservation for golf courses turn them into turf and enforce less water heavy use in landscaping

City should encourage owners of properties in south Scottsdale to plant native trees.

climate change will impact water prices, food prices, housing prices (hurricane Ian is the latest example) energy prices, it will impact our quality of life, our health, our jobs and economy. it's not realistic to think we can ALL just pick up and move (to Canada?) we have to survive in the hottest city in North America, we can't afford to delay.

no

Stop building up

The most important service that the City can provide is to maintain public safety now and into the future

Add more shade along Goldwater Blvd.

I appreciate this interactive opportunity.

Appreciate the attempt here, but many (most) of these questions require a whole lot more explanation than the meager one-sentence description. Also combines two very different topics in a few (topic of a current proposition on Nov ballot. Thanks, but this is a survey that's over-reaching in a big way.

Include Scottsdale Unified School District and it's teachers and students in the process in all of these activities when at all possible. This will build students commitment to environmental projects.

Require composting to be separate from trash and do a separate compost pickup

Improve quality of surveys

For urban heat island mitigation, I prefer encouraging ramadas, awnings and shade structures because they don't need water, make litter or require trimming that fills the landfill. If the city wants to advocate for trees they should be ones that require water only until they "take" and then be expected to live on seasonal watering like they do in the desert. I don't want to tell people what they can plant in their yards but the city bulletins or advisories might regularly encourage species that don't need additional water once they're established. Also, please find a way to advocate for cool roofs not by regulation but by attempting to showcase them as "trendy". I'm so disgusted with all the black and dark grey roofs going up lately, especially non-metal ones that retain the heat. Architects and realtors need to be reminded we live in Arizona not in the Northwest or Northeast.

Would like a sewer system on my stree E Calle de Mandel

Is a 10% reduction in energy use per capita based on 2016 levels much of a goal? Seems weak.

Not at this time.

No method of measuring the results of these items is included.

I would like to see Scottsdale become more walkable and continue to find ways to get people to spend less time in cars.

I disliked this survey. Multiple topics are covered in one question and only 3 options are given for responses.

Substantially reduce the rate of development. This will address a lot of the other issues.

Same as Q7

I am surprised and disappointed that your plan did not address overbuilding.

Encourage & invest in infrastructure to support all forms of human powered & electric vehicles that reduce more traditional fossil fuel vehicle usage. This is the future.

Stop building housing if there is no water!

Study the sustainability program the city tried in 2000-2001 and its 20-some, measurable indicators; then communicate to those of us who developed those indicators as to how the new plan incorporates those concepts or improves on the old plan/indicators.

Reduce the number of Air BnB's and return to more traditional residential neighborhoods.

Get SUSD involved with spreading good citizenship practices information

Don't lose sight of who Scottsdale has always been

there should be no parking requirements for new buildings

Terrible questions. Motherhood, apple pie questions that defy thoughtful logical responses. Everything is loaded to elicit a Very Important response.

More frequent/lower cost transit would help as well as bringing the light rail to our city

Do not run light rail through Scottsdale.

Slow traffic

Before the City starts on any of these nonsensical issues listed here, the city should focus on it's most basic job of maintaining roads and infrastructure of which they are not very good.

100% supportive of a Sustainability Plan for City of Scottsdale

Stop filling in the open desert spaces with malls and \$5,000/month apartments & stop developing around McDowell's.

Native plants give a sense of place and should be used for sustainability

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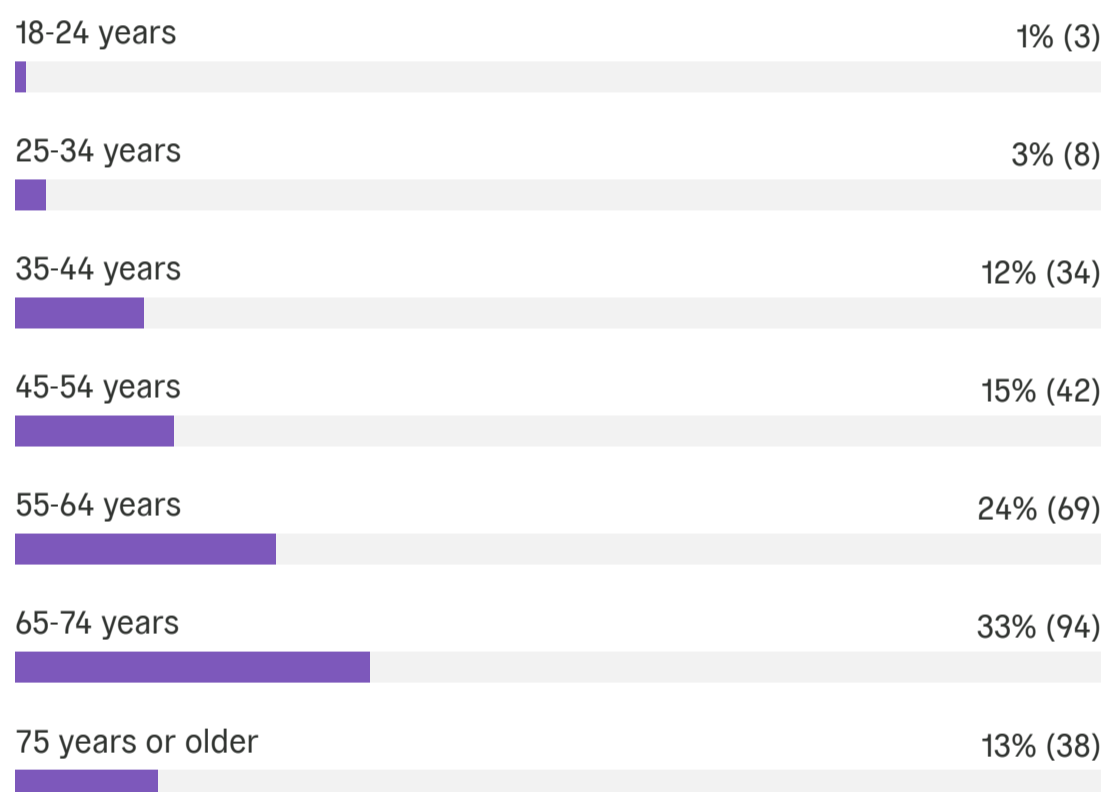
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In which category is your age?



Individual Comments Received:

May 2022 - January 2023

From: [Quent](#)
To: [Racine, Joy](#); [McNeilly, Lisa](#)
Subject: Re: Follow-up: Community Workshops to Help Shape Scottsdale's Sustainability Plan
Date: Friday, May 20, 2022 1:15:48 PM

External Email: Please use caution if opening links or attachments!

To Joy Racine and Lisa McNally

Follow up on an idea I had after the session on 5/17/22:

During the session we discussed that many of the large buildings do not have room for enough PV Solar to satisfy the potential demands by the tenants for EV charging. One Way to provide this PV Solar is to have the building owner invest in purchase or lease of a portion of a solar field in the APS or SRP district. It really doesn't make any difference where the Solar panels are located because the power goes into and out of the grid on demand. The utilities are probably set up to meter what goes where and charge the user accordingly plus or minus demanding on what gets used in the building and what time of day this occurs. Any excess electric power that doesn't get used by the building, APS/SRP can buy from whoever owns the PV array. Ownership could be the utility companies or a third party entity.

If no installations exist, a potential location for PV arrays could be in the easements under the large power transmission lines that run from the NW to the SE through Phoenix/Scottsdale/Tempe etc. I remember years ago in Southern California these power line easements were utilized by wholesale plant nurseries as growing grounds. Seems like a similar arrangement might work for locating PV arrays. Another potential PV array site could be on the Reservation east of the 101 where there are many acres of native creosote plants growing and the land is not being farmed. If it is done thru and managed by APS/SRP who already know how to operate, monitor and maintain these systems, it could be made to be a fairly clean deal I would think. The building owner could deal directly with APS/SRP and through sub-metering resell the power to the tenant individually for their PV consumption. The utilities get more capacity without having to generate it, especially during peak usage time of day, and the building has PV solar (just not on located on their building).

The only other requirement is that for an existing the building, the building needs to have sufficient wiring capacity to handle the additional incoming power from the PV array. Of course this PV Power can also be used within the building as well as for EV charging. If this setup were available for new designs it could be more easily incorporated.

Just and idea maybe outside of the box, to add to the mix:

Submitted by Quent Augspurger P.E.,
(m) 602-316-7761

On May 20, 2022, at 11:21 AM, Racine, Joy
<JRacine@SCOTTSDALEAZ.GOV> wrote:

Thank you again for your interest in the City's first Sustainability Plan and for your commitment to making Scottsdale a more sustainable city. Attached is the presentation used at the workshops on May 16th and 17th to identify those aspects of the plan that

From: [mike leary](#)
To: [McNeilly, Lisa](#)
Subject: Fw: Follow-up: Community Workshops to Help Shape Scottsdale's Sustainability Plan
Date: Friday, May 20, 2022 4:27:10 PM
Attachments: [Community Workshop.pptx](#)

External Email: Please use caution if opening links or attachments!

Hi Lisa hope all is well.

I wasn't even aware that there was a position of Sustainability Director in the City! I'm so pleased as Sustainability and Environmental degradation ARE the overarching issues affecting us locally and globally.

I've lived in the Valley since 1974 and have witnessed the dramatic warming whether it's attributed to heat island or global CO2 or likely both. When I was first here, I would tell my Midwest family that the best time to visit would be after October 15th when the weather started to cool. Now it's November 15th. I remember when the desert Ironwood trees would bloom in early to middle June and now it's early May. When I was coaching girls' softball in the 1990's, from January to May there were always days when the kids had to wear winter jackets to games or practices. In the 2000's it was just occasionally. In the three seasons pre-covid, there wasn't a single day that the girls had to wear anything more than a light jacket. But the reverse is true. When the season ends the first week in May, the practices have had to move to evening to avoid the late afternoon heat. The PowerPoint numbers don't lie and the real-world experience doesn't either.

I hope that the issues of pollution, water, waste, recycling, power demand, more shade, more trees, etc can be tackled head-on and seriously in Scottsdale and in collaboration with other Valley cities with the goal of spreading the need to other areas of the State and beyond. It's amazing to see within my own lifetime the environmental degradation that has beset the Valley and the planet.

On that less than cheery note lol, I do wish you the best of success in making positive and measurable changes. ML

*Mike Leary
Michael P. Leary, LTD
Commercial Real Estate Development Consulting
10278 East Hillery Drive*

*Scottsdale, AZ 85255
(c) 480.991.1111*

From: Racine, Joy <JRacine@SCOTTSDALEAZ.GOV>
Sent: Friday, May 20, 2022 11:26 AM
Subject: Follow-up: Community Workshops to Help Shape Scottsdale's Sustainability Plan

Thank you again for your interest in the City's first Sustainability Plan and for your commitment to making Scottsdale a more sustainable city. Attached is the presentation used at the workshops on May 16th and 17th to identify those aspects of the plan that were most important to attendees and possible actions to address them.

The new Plan will be designed build on the sustainability-related goals and policies in recently adopted [General Plan 2035](#) and serve as a roadmap for implementation, laying out priority actions for the next few years. In the Plan, we will cover a number of key sustainability topics – some where the city is already a leader like water, the preservation of the Sonoran desert landscape, and green building codes and others where we are looking to do more. Our aim is to develop a sustainability plan for both the City of Scottsdale and for the broader Scottsdale community.

We appreciate your time and involvement and will continue to keep you updated on next steps in the process. In the next month, we expect to release a survey patterned after the information shared at these workshops and will schedule additional community engagement in the Fall. Our goal is to present the finished Plan to City Council in December of this year.

Lisa McNeilly
Sustainability Director
City of Scottsdale
lmcneilly@scottsdaleaz.gov
(480) 312-2831



From: [Lynn Dorsett](#)
To: [McNeilly, Lisa](#)
Subject: Some thoughts about Scottsdale's sustainability plan
Date: Friday, May 20, 2022 3:03:42 PM

External Email: Please use caution if opening links or attachments!

Thanks for the meeting the other night. It was good to meet you, and I'm glad you will be working on our sustainability plan. Some things occurred to me this week after thinking about our meeting.

Most importantly, when the reality of the Colorado River shortage begins to sink in many of our full and part time residents will begin to leave. I'm talking about the people who came here because they were excited about having a pool and citrus trees in the backyard. The sustainability plan must include an effort to attract enthusiastic desert dwellers to replace them. This will be critical to its success.

Thanks again for an informative meeting. I look forward to hearing about your progress.

Lynn Dorsett

From: [Nick Brown](#)
To: [McNeilly, Lisa](#)
Subject: RE: Help Shape Scottsdale's Sustainability Plan
Date: Monday, May 16, 2022 5:06:34 AM

External Email: Please use caution if opening links or attachments!

Good morning, Lisa,

When I logged on to get a ticket for the planning sessions, neither tonight nor tomorrow night had available space. So, I'm wait listed. In case I don't get to participate in-person in this round, I offer a few thoughts below.

1. Some communities have struggled with the name of the process and document. In Phoenix, Hartman wanted to defer to climate deniers by calling it a "Clean Air Plan." It's a Climate Action Plan; these three words have become a term of art. Some jurisdictions use Climate Action and Adaptation Plan. Although adaptation is a subset of climate action, that's also OK (because adaptation alone will be an enormous funding challenge). But then we could get tangled up in Climate Action, Mitigation, Adaptation and DEI Plan. The term of art is CAP.
2. It ought to have explicit attention to DEI. You've already learned that we don't have the same kinds or depth of DEI issues that a lot of communities have, but we do have a Latino community, a Native American neighbor, low-income seniors, an affordable housing challenge, and a homeless problem. These issues should be addressed (mostly) in the context of heat mitigation.
3. We will, of course, have a robust water security section. SRP's deliveries are almost all Salt & Verde River sourced, which will be stable for a longer period than CAP's CO River allocation. Scottsdale and the Valley do a surprisingly good job with this issue, but we must remain aggressive in maintaining sustainable supplies. The price of Scottsdale water is waaay too cheap. (It only cost me \$50 to drain and re-fill my pool last winter.) I will be happy to follow up on this issue at your request/convenience.
4. Most importantly, aggressive and detailed GHG reduction (decarbonization) strategies, for both municipal ops and for community wide GHG, are essential. So far, lack of detailed planning in this area has been the "strongest weakness" of most CAPs. Decarbonization is my passion and as my work on RE has matured, it's been my life's work. Decarb is the heart—and also the Achilles heel—of most sustainability programs. We see how numbers need to change, but utilities, industry and residents, and powerful demographic influences hold most of the 'power to do,' and we, as City managers, are mostly sophisticated cheerleaders. If we lose the decarbonization battle, we lose the war.
5. Almost every CAP that I've read has been more of a *Climate Action Report*—focused more on how great our efforts to date have been and how great our City is—than a *Climate Action Plan*: what we commit to do; how we'll do it; who (among CoS staff) owns each crisply defined goal; how achievement of goals will be funded; statements of clearly defined, timebound, interim targets. Let's avoid this pitfall. You know, let's develop SMART goals and assign them to administrative goal owners.

Sorry if this seems overly didactic. If I don't get a ticket, I wish you success tonight and tomorrow night! It's an exciting opportunity.

Perhaps we could get acquainted at a Breakfast Club breakfast?

Respectfully,

Nick

Nick Brown PhD

board director

479.225.1000



*My thoughts are my own
and may not represent views
of the board or management.*

From: McNeilly, Lisa <LMcNeilly@Scottsdaleaz.gov>

Sent: Friday, May 6, 2022 1:17 PM

To: Nick Brown <nicododiodo@gmail.com>

Subject: RE: Help Shape Scottsdale's Sustainability Plan

I just moved here from Baltimore, where things were more formal. But informal absolutely works for me!

Lisa

Lisa McNeilly

Sustainability Director

City of Scottsdale

lmcneilly@scottsdaleaz.gov

(480) 312-2831



From: Nick Brown <nicododiodo@gmail.com>

Sent: Thursday, May 5, 2022 3:00 PM

To: McNeilly, Lisa <LMcNeilly@Scottsdaleaz.gov>

Subject: RE: Help Shape Scottsdale's Sustainability Plan

⚠ External Email: Please use caution if opening links or attachments!

I prefer Nick, but just sayin', if it's formal ...

N/

From: notifications@cognitoforms.com on behalf of [City of Scottsdale](#)
To: [McNeilly, Lisa](#)
Subject: Sustainability Plan Comment - KarenFehr
Date: Sunday, June 19, 2022 11:20:36 AM

External Email: Please use caution if opening links or attachments!

Entry Details

NAME

Karen Fehr

EMAIL

karen.fehr@icloud.com

COMMENTS

We need to continue to work on slowing traffic down in many areas in order to encourage walking and bicycling. I live up at McDowell Mountain Ranch. The traffic in the McDowell Mt. Road "circle" is so fast that I have a hard time crossing the road with my dogs or when pushing my grandchild in a stroller. There are no convenient options for using the tunnels near where I live (Castle Chase near Paradise Lane and MMR). Maybe you can consider round-a-bouts to help slow down traffic or crosswalks with flashing lights such as what was put in on 105th street near the recreation center? I see cars racing up McDowell Mountain Ranch road at 60+ MPH. It really discourages walking or biking ... too hard to get across four lanes of traffic safely. Especially when pushing strollers. Another ideas is to cut the four lanes down to two lanes so that one lane can be used for bicyclists. I know "road diets" are an effective way to encourage pedestrian and bike travel. THANK YOU FOR ASKING FOR COMMENTS!

YES, I WOULD LIKE TO BE EMAILED ABOUT UPCOMING EVENTS. Yes

From: [Andrea Rencsok](#)
To: [McNeilly, Lisa](#)
Subject: Sustainability
Date: Thursday, July 14, 2022 5:44:55 PM

External Email: Please use caution if opening links or attachments!

Solutions for some of the environmental challenges for The City of Scottsdale:

1. Don't advocate for the installation of artificial grass for a means to reduce water consumption. Research has shown surface temperatures of artificial grass are about 20-50 degrees higher if not more than natural grass and typically reach the same temperature as asphalt payment.
2. You need to clean it as it will collect bits and pieces of pet and animal droppings, dirt & dust, and liquids from humans (saliva, blood or sweat). You are going to have to hose it down periodically for sanitation reasons.
3. It's possible for the chemicals or plastic materials to escape into the rest of the environment. It can compact soil and create an inhabitable environment for the living organisms in the soil, rendering it unable to grow plant materials until the soil is brought back to life.
4. It's difficult to recycle and reuse.

Natural grass cools the ground temperature and protects the soil. In lieu of people cutting their grass weekly, every two – three weeks would help more. By allowing the grass to grow taller, and watering it a few times a week would reduce the evaporation loss and water usage. Having grass and plants in yards is much more than aesthetic value. It helps improve air quality, reduces temperatures, storm water runoff, and provides habitats for animals, insects, bees and birds. Mandate all grass watering be done in the late evening hours to prevent evaporation. Ask the parks department why they continue to water the grounds during the heat of the day?

Consider banning all dark colored house roofs when homes are being constructed or reroofed. Lighter colored asphalt roofs reflect away heat rays from the sun, but dark-colored black roofs absorb much of that heat and transfers it into the atmosphere and rooms below. Home builders and remodeling contractors need to come up with more energy efficient roofing materials and roof colors. The roofing industry needs to step up and start recommending more energy efficient roofing materials.

In order for The City of Scottsdale to meet the needs of the present, without compromising the ability of future generations to meet their own needs, what type of research has been done to address the above listed concerns? People have been asked to cut back on their water usage, but unless you provide specific instructions how to conserve on water, most people aren't aware of how they are wasting water. Mandates in black and white print seem to get their attention.

Andrea Rencsok

480-945-3822

From: notifications@cognitoforms.com on behalf of [City of Scottsdale](#)
To: [McNeilly, Lisa](#)
Subject: Sustainability Plan Comment - DianeFrank
Date: Saturday, July 16, 2022 2:33:20 AM

External Email: Please use caution if opening links or attachments!

Entry Details

NAME Diane Frank

EMAIL dfrank7649@gmail.com

COMMENTS

If you are serious about “sustainability” for Scottsdale, how about a moratorium on HUGE and UGLY apartment complexes that drain our water supply (as well as the electric grid)!? You have approved way too much density in South Scottsdale, allowing structures to be built that look like slums—even before they’re completed! What possessed the City mothers and fathers to destroy “the West’s Most Western Town”? Scottsdale is no longer a lovely, laid back community; it’s a sprawling, unfriendly city with stoplights at nearly every other street corner, and it’s on the verge of becoming a small Chicago! And what happened to our height regulations? Did the developers drug you all and stuff your pockets with dirty money? It sure looks that way to most of the residents I’ve talked to!!

YES, I WOULD LIKE TO BE EMAILED ABOUT UPCOMING EVENTS. No

From: notifications@cognitoforms.com on behalf of [City of Scottsdale](#)
To: [McNeilly, Lisa](#)
Subject: Sustainability Plan Comment - claudiamurphey
Date: Thursday, July 21, 2022 12:02:26 PM

External Email: Please use caution if opening links or attachments!

Entry Details

NAME claudia murphey

EMAIL claudia.murphey@asu.edu

COMMENTS I would love to see Scottsdale have a matching tree initiative with area HOAs. The city of Scottsdale would match up to 5 trees to be planted in the HOA development if the HOA would also plant up to 5 trees.
The heat is getting so excessive lately and the only thing that reduces climate heat is TREES.

YES, I WOULD LIKE TO BE EMAILED ABOUT UPCOMING EVENTS. No

From: notifications@cognitoforms.com on behalf of [City of Scottsdale](#)
To: [McNeilly, Lisa](#)
Subject: Sustainability Plan Comment - DeborahPeltz
Date: Saturday, July 23, 2022 11:19:30 AM

External Email: Please use caution if opening links or attachments!

Entry Details

NAME	Deborah Peltz
EMAIL	dpeltz1@comcast.net
COMMENTS	I'm very concerned about the water issues and would like to see more active solutions such as rain water harvesting
YES, I WOULD LIKE TO BE EMAILED ABOUT UPCOMING EVENTS.	No

From: notifications@cognitoforms.com on behalf of [City of Scottsdale](#)
To: [McNeilly, Lisa](#)
Subject: Sustainability Plan Comment - Jane C Jackson
Date: Friday, July 29, 2022 3:23:06 PM

External Email: Please use caution if opening links or attachments!

Entry Details

NAME Jane C Jackson

EMAIL jane.jackson@asu.edu

COMMENTS The most important thing Scottsdale can do is manage the invasive buffelgrass. It is invading the eastern mountains that border Fountain Hills, and it is everywhere along Shea Blvd and Via Linda, even as far west as 120th Street. Highly flammable! Learn effective actions from the City of Tucson.

YES, I WOULD LIKE TO BE EMAILED ABOUT UPCOMING EVENTS. No

From: notifications@cognitoforms.com on behalf of [City of Scottsdale](#)
To: [McNeilly, Lisa](#)
Subject: Sustainability Plan Comment - RobinRubin
Date: Friday, August 5, 2022 1:27:22 PM

External Email: Please use caution if opening links or attachments!

Entry Details

NAME

Robin Rubin

EMAIL

robinannrubin@yahoo.com

COMMENTS

I would like to see the City act more aggressively on the matter of water conservation.

IMHO all turf grass should be limited to irrigation watering once a week regardless of season. Since the city has the capacity to monitor water usage in real time; commercial, recreational and HOA customers should have limits set immediately for water usage. Turf grass maintained by the city should be migrated to clover that uses less water and requires much less mowing and upkeep.

YES, I WOULD LIKE TO BE EMAILED ABOUT UPCOMING EVENTS. Yes

From: notifications@cognitoforms.com on behalf of [City of Scottsdale](#)
To: [McNeilly, Lisa](#)
Subject: Sustainability Plan Comment - MicheleBonner
Date: Friday, August 5, 2022 4:41:56 PM

External Email: Please use caution if opening links or attachments!

Entry Details

NAME

Michele Bonner

EMAIL

sherahqueenojungle@yahoo.com

COMMENTS

Hello. I would like to know what the strategy is for preserving the trees and riverbanks in Eldorado Park. I'm very concerned with the landscaping strategy that has been implemented the last few years when it comes to tree and riverbank/pondbank maintenance... and how it relates to the health of the flora and fauna at the park.

YES, I WOULD LIKE TO BE EMAILED ABOUT UPCOMING EVENTS.

No

From: notifications@cognitoforms.com on behalf of [City of Scottsdale](#)
To: [McNeilly, Lisa](#)
Subject: Sustainability Plan Comment - GaryBass
Date: Saturday, August 6, 2022 11:53:01 AM

External Email: Please use caution if opening links or attachments!

Entry Details

NAME

Gary Bass

EMAIL

basomatk@yahoo.com

COMMENTS

STOP ISSUING BUILDING PERMITS! You should have done that TEN years ago before the population exploded! Now Every major thoroughfare is jammed every day, because none of you so called representatives had and have any common sense, just geed! The water level of Lake Mead has been dropping for that long, but none of you saw the hand writing on the wall! Remove at least 1/4 of the vegetation from along all the streets and plug their drip lines! There are lots of dead and unnecessary plant and trees we don't need and don't need to maintain! You obviously have forgotten we live in the desert! Stop allowing the tree trimmers from hacking off the trees, allow the trees to provide some shade!

Spend some money on changing our streets to a white or at least a grey color!

Have recycling only pick up every other week! Most people don't fill there bins even in that long of a period.

Require candidates political signs to be picked up within 1-2 weeks after the election or be heavily fined! That goes for garage and rummage sales time limits. Their signs should be dated.

Gary Bass N 95th way

From: notifications@cognitoforms.com on behalf of [City of Scottsdale](#)
To: [McNeilly, Lisa](#)
Subject: Sustainability Plan Comment - DillonThomas
Date: Tuesday, August 16, 2022 8:01:25 AM

External Email: Please use caution if opening links or attachments!

Entry Details

NAME	Dillon Thomas
EMAIL	what.a.twizt@gmail.com
COMMENTS	<p>-Buffered bike lanes that are consistent around the city (not stopping one block and starting up the next).</p> <p>-Added shade (sun-sail or trees) at the intersections of: Goldwater Blvd/Camelback Rd, Marshall Way/Camelback Rd, and Scottsdale Rd/Camelback Rd.</p> <p>-Seperated/wider bike lanes along both Camelback Rd and Scottsdale Rd.</p> <p>-Improve Indian School Rd/68th St and Indian School Rd/64th St crossings for increased walkability/bikeability.</p> <p>-Add sidewalk at 68th/Exeter Blvd. The neighborhood is SO CLOSE to Old Town but is completely car-dependent because of no sidewalk connection.</p> <p>-Allow vendors along Waterfront/Arizona Canal Path.</p>
YES, I WOULD LIKE TO BE EMAILED ABOUT UPCOMING EVENTS.	Yes

From: notifications@cognitoforms.com on behalf of [City of Scottsdale](#)
To: [McNeilly, Lisa](#)
Subject: Sustainability Plan Comment - ThomasPalmer
Date: Wednesday, August 17, 2022 10:04:48 AM

External Email: Please use caution if opening links or attachments!

Entry Details

NAME Thomas Palmer

EMAIL sedonatom62@yahoo.com

COMMENTS Here in Sedona, the mayor and city council put together a climate change program, which in fact is a sustainability program. Not taking into account that with a population of 10,000 vs. tourists in the millions, climate change is not likely to be affected. However, this program contains NO numbers. Thus no way to measure any factor that would affect climate change. I hope Scottsdale has some base figures (measurements), in order to evaluate any changes resulting from your sustainability plan.

YES, I WOULD LIKE TO BE EMAILED ABOUT UPCOMING EVENTS. No

From: notifications@cognitoforms.com on behalf of [City of Scottsdale](#)
To: [McNeilly, Lisa](#)
Subject: Sustainability Plan Comment - KarenMorrisey
Date: Tuesday, August 2, 2022 12:23:50 PM

External Email: Please use caution if opening links or attachments!

Entry Details

NAME

Karen Morrisey

EMAIL

Kamorrisey@aol.com

COMMENTS

Long Time resident on 66th ST.. Casa Del Monte who was responsible for street lights were allowed to take this lighting out...Need for safer street at night walking...From Chaparral to Camelback... this area was PV and annexed into Scottsdale years ago.. That is why there are so few lights....
Thank you.

YES, I WOULD LIKE TO BE EMAILED ABOUT UPCOMING EVENTS. Yes

From: [Nick Brown](#)
To: [McNeilly, Lisa](#)
Cc: [Perreault, Erin](#)
Subject: draft CoS CAP
Date: Wednesday, September 7, 2022 5:04:11 PM

External Email: Please use caution if opening links or attachments!

Lisa –

Thank you for notice of the upcoming 13 Sept CoS Council Work Study Session. I'll be unable to join in-person, but if you set up zoom availability, I'll be able to participate that way. Meanwhile, I'd like to provide a little feedback in advance.

For starters, it would be useful to have an editable pdf of the draft plan to make comments on. I can do it the hard way, but it'll be easier for all of us if stakeholders could mark it up.

The draft plan suggests central goal of energy performance to be to "Maximize the use of renewable energy resources and energy efficiency to build resiliency and create economic benefits." No. The principal purpose of increasing RE, EE and energy conservation is to mitigate the City's climate liabilities (GHG emissions) in specific ways, not so much to establish resilience, at least in the short term. Similarly, RE/EE/EV can have a resilience component, but the principal purpose of RE/EE/EV is climate mitigation. Climate mitigation and adaptation also have co-benefits of economic prosperity, but economic benefits are not the headline or *raison d'être* for climate action (except as it relates to intergenerational economic equity). The struggle to balance environment, economics, DEI and political will is a difficult task.

The draft plan has the look of a CAP that compiles (depends on) a dozen other CoS plans that are then presented as a comprehensive sustainability plan. I challenge the implication, in particular since the draft plan is slim on concrete commitments to mitigation and adaptation.

The best climate action plans <as you're aware, CAP is the term of art> include 1) introduction (status/baseline reports on energy consumption, GHG emissions, water consumption/wastewater mgmt, waste/recycling, DEI policies and conditions, and partnerships, each for municipal ops and citywide), 2) climate mitigation strategy, 3) adaptation strategy, and 4) DEI goals. Each of these should be expressed as SMART goals or KPIs, to provide legitimacy to the plan, inspire policy and financial managers as to their roles, and assure auditability.

Each section headed by "Strategy and Actions" (or maybe each area of work I described above) should have a designated goal owner. When it's everybody's responsibility, it's nobody's responsibility.

The draft plan is thoroughly qualitative, so almost any result and any schedule of accomplishment could be called a success. It doesn't commit to mileposts, a schedule for GHG reduction, or a mid- to long-term commitment to climate neutrality. It seems to have been designed by someone who eschews SMART goals and KPIs that can be monitored. As it's written now, it's destined to fall short of the performance that's needed.

I mean, look at this summer's climate-related costs (US or globally), and we're just now at 1.1°C above pre-industrial. The rapidly escalating costs of continuing GHG emissions continue to outpace the costs of mitigation (future citizens considered), and we bear responsibility to plan and implement aggressive mitigation.

Some of this is in Solange's wheelhouse; we need enhanced political support for climate action to develop and pass an effective CAP. Here's where economic development that targets RE, EE, EVs, water management, sustainability consulting, etc. comes in. With our quality of life and reputation, Scottsdale should have a competitive advantage in recruitment for these fields of industry. Are you working with CoS Econ Development? Does GPEC have a City contact or an environmental specialist?

Is there a CoS CAP Advisory Committee?

I don't fault you (I'm pretty sure that both structure and content of this draft precede your arrival). I don't blame ASU Walton. In fact, I don't blame anyone for the issues I've described above. I recognize that we're in a very challenging political environment. But as it's designed and presented, it isn't much of a plan, and it would be shrugged off by the sustainability community without significant improvements.

Thanks for your ear.

One hand clapping,

Nick Brown
479.225.1000

From: [Sherry Henry](#)
To: [McNeilly, Lisa](#)
Subject: RE: Update on Scottsdale's Sustainability Plan
Date: Wednesday, September 14, 2022 2:41:22 PM

External Email: Please use caution if opening links or attachments!

Hello Lisa.

Thank you and congratulations on this great strategic plan. We look forward to continuing to be a part of the implementation. Warm regards,

Sherry Henry
Grace Hospitality
Scottsdale resident
Chair of the Tourism Development Commission

From: McNeilly, Lisa <LMcNeilly@Scottsdaleaz.gov>
Sent: Wednesday, September 7, 2022 1:05 PM
To: McNeilly, Lisa <LMcNeilly@Scottsdaleaz.gov>
Subject: Update on Scottsdale's Sustainability Plan

All,

Good afternoon. Since you have previously expressed interest in the development of Scottsdale's Sustainability Plan or have attended one of the community meetings for the Plan, I wanted to share information about the 9/13 City Council Work Study session. At that session, I will present about the current status of the Plan. The agenda (including attachments) is below:

<https://www.scottsdaleaz.gov/Assets/ScottsdaleAZ/Council/current-agendas-minutes/2022-agendas/09-13-22-regular-and-work-study-agenda.pdf>

Best,
Lisa McNeilly

Lisa McNeilly
Sustainability Director
City of Scottsdale
lmcneilly@scottsdaleaz.gov
(480) 312-2831



From: [Sam Campana](#)
To: [McNeilly, Lisa](#)
Subject: Re: Scottsdale Sustainability Plan: Community Workshops
Date: Friday, October 14, 2022 9:49:31 PM

External Email: Please use caution if opening links or attachments!

Lisa, I'm sorry to miss these. I'm out of the country just then. I'll find another way to meaningfully engage. You're doing a superb job with this outreach! Best, sam

NEW home address:
4800 North 68th Street
Scottsdale House 318
Scottsdale, AZ 85251

Sam@samcampana.com
602 390 3452

On Oct 14, 2022, at 3:38 PM, McNeilly, Lisa <LMcNeilly@scottsdaleaz.gov> wrote:

You are invited to provide your feedback on a draft of Scottsdale's Sustainability Plan 2022. This community-wide Sustainability Plan builds on Scottsdale's legacy of effective, resident-centered governance and sound economic management and seeks to improve the quality of life for all residents, to preserve our Sonoran Desert environment, and to fulfill our responsibility to future generations.

These workshops will bring together community members to review strategies and actions for fifteen topics in the Sustainability Plan. The city's Sustainability Director will provide a brief overview of how the draft plan was developed, but the main purpose of these workshops is to hear from you. We will ask you to share your thoughts on aspects of the plan that are most important to you by attending one of two interactive workshops:

Event: Sustainability Plan Workshop
Date: Tuesday, October 25, 2022
Time: 10:30-12:00 (light refreshments provided)
Location: Community Design Studio, 7506 E. Indian School Rd., Scottsdale, AZ 85251
Registration link: <https://www.eventbrite.com/e/sustainability-plan-workshop-tuesday-oct-25-tickets-439738528777>

Event: Sustainability Plan Workshop
Date: Thursday, October 27, 2022
Time: 6:00 – 7:30 p.m. (light refreshments provided)
Location: Vista del Camino, 7700 E Roosevelt St., Scottsdale, AZ 85251

From: [R Robin](#)
To: [McNeilly, Lisa](#)
Subject: Re: Scottsdale Sustainability Plan: Community Workshops
Date: Tuesday, October 18, 2022 12:58:44 PM

External Email: Please use caution if opening links or attachments!

The draft is very informative - should be required reading for everyone in Scottsdale.

Thank you for sharing. Robin Rubin

On Tuesday, October 18, 2022 at 08:17:52 AM MST, McNeilly, Lisa <lmcneilly@scottsdaleaz.gov> wrote:

Good morning.

Yes – the draft plan is now posted here: <https://www.scottsdaleaz.gov/Assets/sustainability-report-draft.pdf>

Thank you for your continued interest in sustainability in Scottsdale,

Lisa

Lisa McNeilly

Sustainability Director

City of Scottsdale

lmcneilly@scottsdaleaz.gov

(480) 312-2831



From: R Robin <robinannrubin@yahoo.com>
Sent: Friday, October 14, 2022 4:41 PM
To: McNeilly, Lisa <LMcNeilly@Scottsdaleaz.gov>
Subject: Re: Scottsdale Sustainability Plan: Community Workshops

External Email: Please use caution if opening links or attachments!

Hello - Thank you for your email. Is the "draft plan" to be presented by the city's Sustainability Director available for review prior to the workshops? Thank you. Robin Rubin

On Friday, October 14, 2022 at 03:38:55 PM MST, McNeilly, Lisa <lmcneilly@scottsdaleaz.gov> wrote:

You are invited to provide your feedback on a draft of Scottsdale's Sustainability Plan 2022. This community-wide Sustainability Plan builds on Scottsdale's legacy of effective, resident-centered governance and sound economic management and seeks to improve the quality of life for all residents, to preserve our Sonoran Desert environment, and to fulfill our responsibility to future generations.

These workshops will bring together community members to review strategies and actions for fifteen topics in the Sustainability Plan. The city's Sustainability Director will provide a brief overview of how the draft plan was developed, but the main purpose of these workshops is to hear from you. We will ask you to share your thoughts on aspects of the plan that are most important to you by attending one of two interactive workshops:

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Event: Sustainability Plan Workshop
Date: Thursday, October 27, 2022
Time: 6:00 – 7:30 p.m. (light refreshments provided)
Location: Vista del Camino, 7700 E Roosevelt St., Scottsdale, AZ 85251

Registration link: <https://www.eventbrite.com/e/sustainability-plan-workshop-thursday-oct-27-tickets-439765078187>

Due to room constraints and to facilitate maximum interaction, we have capped participation at 40 in each session, and we need all participants to RSVP. Please don't hesitate to reach out to me directly if you have questions or need additional information.

Thank you for considering your participation in this important event as we continue our efforts toward a Sustainable Scottsdale.

Best,

Lisa McNeilly

Lisa McNeilly

From: [McGuffie, Mackenzie](#)
To: [McNeilly, Lisa](#)
Subject: RE: Scottsdale Sustainability Plan and Community Workshops
Date: Friday, October 21, 2022 12:39:34 PM

External Email: Please use caution if opening links or attachments!

Hi Lisa,

Thanks for sharing this plan with me – it’s so exciting to see Scottsdale creating a citywide sustainability plan! I grew up in Scottsdale so this is especially interesting to me. Since I am unable to make either of those workshops, here is my feedback:

- Overall the plan looks great. It’s easy to follow, straightforward with the strategies, and the pathways put forward make sense
- Suggestion to add a page toward the beginning that summarizes the goals of the plan
- I think the mobility goals make a lot of sense for Scottsdale. Active transportation and reducing VMT would be the approaches I would take as well
- The aspects of the plan that are most important to me are as follows:
 - (1) net-zero energy – this has high potential to reduce GHGs and support regional reductions
 - (2) water resources – Scottsdale has more turf than other areas of the Valley
 - (3) mobility – also high potential to reduce GHGs

If there are any opportunities to be involved in this plan in the future please let me know. Have a great weekend

Mackenzie



Mackenzie McGuffie
Senior Sustainability Specialist
101 N. 1st Ave., Suite 1400, Phoenix, AZ 85003
o: 602-495-8203
c: 480-580-0491
mmcguffie@valleymetro.org



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From: [Lofgren, Kyle](#)
To: [McNeilly, Lisa](#)
Subject: FW: Sustainability Plan
Date: Monday, October 31, 2022 8:02:12 AM
Attachments: [image001.png](#)

Good morning Lisa,

I have not yet received other comments/questions from the Commission. If I receive anymore I will continue to forward them to you. For now, please see Chair Iacovo's comments below.

Thank you and have a great day!

Kyle Lofgren
Office Manager
Transportation & Streets
(480)-312-7839
KLofgren@Scottsdaleaz.gov



From: PAMELA IACOVO <piacovo@cox.net>
Sent: Sunday, October 30, 2022 9:37 AM
To: Lofgren, Kyle <KLofgren@Scottsdaleaz.gov>
Cc: Melnychenko, Mark <MMelnychenko@Scottsdaleaz.gov>
Subject: Re: Sustainability Plan

⚠ External Email: Please use caution if opening links or attachments!

Hello! I have just a couple of suggestions/comments for the Sustainability Plan:

1. The matrix on page 5 is relevant but somewhat confusing. Perhaps lead in to this matrix with a matrix that shows the Sustainability Element (Low Emissions and Climate Action, for example) down the side, and the Sources that include these elements (• Transportation Action Plan (2022) • Old Town Bicycle Master Plan (2022) • Residential Solar Guidelines (2020) • Commercial Solar Guidelines (2019)). The matrixes could then be followed up by the referenced links to the documents.
2. Comment: The TAP is a good source for sustainability requirements for mobility and the Sustainability Plan shows the link between them. There is a reference to the General Plan i.e. Connection to General Plan Environmental Planning Element: Goal EP 8 Plan, prepare, and adapt for significant climate impacts on city infrastructure and operations
 1. Perhaps the Sustainability Plan makes the link here also to the TAP, as it includes all the elements listed below (I only see mobility listed under Low Emissions & Climate Action)

1. Low Emissions & Climate Action
 2. Nature-Based
 3. Equitable Community
 4. Resiliency
3. Or maybe the matrix noted above #1 does the trick to show all the overlapped areas.
 4. I like the Appendix
 5. Perhaps a page full of acknowledgements of the Staff who were involved in the Sustainability Plan
 6. All in all, is a well-written and documented Sustainability Plan that allows for flexibility for future Sustainable goals to be included rather than starting over with the Plan.

On October 26, 2022 at 1:49 PM "Lofgren, Kyle" <KLofgren@Scottsdaleaz.gov> wrote:

Good afternoon Commissioners,

I just wanted to send out a reminder to all that if you have any follow up questions or comments regarding the Sustainability Plan to email them to myself and I will compile and get these over to Lisa McNeilly.

Thank you and have a great day.

Kyle Lofgren

Office Manager

Transportation & Streets

City of Scottsdale

(480)-312-7839

KLofgren@Scottsdaleaz.gov



From: [tami.smith](#)
To: [McNeilly, Lisa](#)
Subject: Re: Scottsdale Sustainability Plan Survey is now live
Date: Monday, October 31, 2022 4:15:36 PM

External Email: Please use caution if opening links or attachments!

Lisa, thank you for the follow up. A couple comments / questions.

1) I attended the 10/25 Sustainability Meeting (1030am) in person, placed the color dots where I thought priority should be. From the residents' voting at the meeting, there were three line items that clearly had majority of color dots. Question - I do not see the three highest voted line items on the online survey. Maybe I am missing something?

- *"Create services for preventing homelessness and stable housing"* (11 dot votes)
- *"Remove non-functional/non_recreational turf at city facilities"* (11 dot votes)
- *"Incentivize turf removal and improvements to irrigation equipment"* (9 dot votes)

2) Good to see you are reaching out to additional residents for their feedback and guidance. There were only a few residents at the Sustainability meeting I attended. Every one person's feedback matters however we should continue to seek a more broad number of participants. Hopefully there was a greater number of residents at the other sessions.

Thanks again
Tami A. Smith

On Mon, Oct 31, 2022 at 7:53 AM McNeilly, Lisa <LMcNeilly@scottsdaleaz.gov> wrote:

Good morning. If you were not able to attend either of last week's community workshops, an online option for sharing feedback is now available: <https://polco.us/sxntgb>.

The City of Scottsdale is seeking resident input on Scottsdale's draft [Sustainability Plan 2022](#). The Sustainability Plan builds on Scottsdale's legacy of effective, resident-centered governance and sound economic management and seeks to improve the quality of life for all residents, to preserve our Sonoran Desert environment, and to fulfill our responsibility to future generations. All data collected in the survey will be confidential and only used to inform the development of the Sustainability Plan. Information will not be shared with outside parties or used for other purposes.

Thank you,

Lisa McNeilly

Lisa McNeilly

Sustainability Director

City of Scottsdale

From: [Teresa Kim Hayes-Quale](#)
To: [McNeilly, Lisa](#)
Subject: Re: Feedback on Sustainability Plan by Parks & Recreation Commission
Date: Tuesday, November 1, 2022 8:50:46 AM

External Email: Please use caution if opening links or attachments!

Thanks for the link. I'll use it to provide feedback. I confess, this water crisis has made me change some behaviors. That's a good thing. Teresa

From: McNeilly, Lisa <LMcNeilly@Scottsdaleaz.gov>
Sent: Monday, October 31, 2022 1:13 PM
To: Teresa Kim Hayes-Quale <tkh0813@hotmail.com>; Molinari, Nick <nmolinar@scottsdaleaz.gov>
Subject: RE: Feedback on Sustainability Plan by Parks & Recreation Commission

Teresa,

Good morning. I wanted to share that there is now an online survey (<https://polco.us/sxntgb>), in case you have feedback you want to share about the Sustainability Plan.

Best,
Lisa

Lisa McNeilly
Sustainability Director
City of Scottsdale
lmcneilly@scottsdaleaz.gov
(480) 312-2831



From: Teresa Kim Hayes-Quale <tkh0813@hotmail.com>
Sent: Monday, October 24, 2022 9:51 AM
To: McNeilly, Lisa <LMcNeilly@Scottsdaleaz.gov>; Molinari, Nick <nmolinar@scottsdaleaz.gov>
Subject: Re: Feedback on Sustainability Plan by Parks & Recreation Commission

⚠ External Email: Please use caution if opening links or attachments!

Thanks, Lisa - I'll take a look. I am out of town on business this Tuesday through Thursday, so cannot make either of the in-person sessions. Best, Teresa

From: McNeilly, Lisa <LMcNeilly@Scottsdaleaz.gov>
Sent: Wednesday, October 19, 2022 3:15 PM
To: McNeilly, Lisa <LMcNeilly@Scottsdaleaz.gov>
Cc: Molinari, Nick <nmolinar@scottsdaleaz.gov>; Tippett, Stephanie <STippett@Scottsdaleaz.gov>; Johnson, Katy <KatJohnson@Scottsdaleaz.gov>
Subject: Feedback on Sustainability Plan by Parks & Recreation Commission

From: [Patricia DiRoss](#)
To: [McNeilly, Lisa](#)
Subject: RE: Scottsdale Sustainability Plan and Community Workshops
Date: Friday, November 4, 2022 7:04:15 PM

External Email: Please use caution if opening links or attachments!

Lisa,

Thanks for sharing this with me, I apologize for the delay which I think you understand. Finally trying to catch up.

I see a lot of synergies between Scottsdale and SRP that we can build upon in your plan. The main thing for SRP is not having mandates of any kind, and I didn't see any red flags going through the plan.

As I might have mentioned, we are doing three pilot MOU programs in Phoenix, Mesa and Tempe focused on collaboration to achieve common goals to increase EVs, low carbon infrastructure improvements, drought resilience/forest health and social justice and heat resilience.

I only handle Tempe, so I am most familiar with that plan, which is still in the works - each MOU is tailored for that specific city. Once we have these three under our belts we plan to expand to other municipalities.

SRP also has an employee Green Team and perhaps we could share some of our successes with Scottsdale.

Enjoy the weekend and let's find another date for bfast or lunch soon.

Patricia DiRoss (pd)
SRP Sr. Local Government Relations Rep.
Office: 602-236-2706 - Cell: 602-809-3935

From: McNeilly, Lisa <LMcNeilly@Scottsdaleaz.gov>
Sent: Tuesday, October 18, 2022 11:47 AM
To: Patricia DiRoss <Patricia.DiRoss@srpnet.com>
Subject: Scottsdale Sustainability Plan and Community Workshops

CAUTION: This email originated from outside the organization
Beware of suspicious links, files, or requests. When in doubt report as phishing.

Good morning,

I wanted to share that we've released a [draft of Scottsdale's Sustainability Plan 2022](#) and that we've scheduled community workshops next week to gather feedback. I hope you can attend one of the workshops, but feel free to send me any thoughts directly as well.

From: [Nick Brown](#)
To: [McNeilly, Lisa](#)
Subject: Fwd: Comments on draft CoS CAP
Date: Saturday, November 5, 2022 1:49:15 PM

External Email: Please use caution if opening links or attachments!

Apologies for getting your email addy wrong on the original send.

Nick

Begin forwarded message:

From: Nick Brown <nraybrown@gmail.com>
Date: October 31, 2022 at 2:58:04 PM MST
To: lisa.mcneilly@scottsdaleaz.gov
Cc: Councilwoman Solange Whitehead <solangeforscottsdale@gmail.com>
Subject: **Comments on draft CoS CAP**

Lisa and Solange,

The term *Climate Action Plan* is a universally recognized term of art. Occasionally I'll see Climate Action and Adaptation Plan, but few are bundled with topics beyond climate mitigation, adaptation, resilience, and DEI. If this report is called something other than a Climate Action Plan, it will be an outlier, and it will be less influential than a CAP would be.

The proposed plan lacks specific goals for climate mitigation and adaptation. It's similar to the draft discussed at the April '22 public input meetings, which was based on goals and targets from existing City plans related to environmental conservation. But climate goals need to be developed for Scottsdale from the ground up, starting with an overarching high-level GHG reduction target.

Sedona and Mesa have committed to 50x30; Flag, 44% by '30. Tucson, carbon neutrality by '30 (for municipal ops?). Mesa's CAP calls for carbon neutrality by '50. Phoenix: 50x30, CN by '50. Our City is a little more conservative than some of those, so our targets may be somewhat less ambitious. High level goals like these require Council approval, and that is a topic for follow up.

Consider *this year's costs* of severe climate events to Arizona: [Maricopa County lost 359 people to heat-associated death this summer](#); [Tunnel and Crooks Fires burned 30,000 ac in N AZ](#); [Hoover's power production was reduced by a third](#) because of drought; and [as of January 2023, Arizona will lose 21% of its Colorado River water allotment due to drought](#). And that's just the direct climate impacts that have affected Arizona in 2022. We need strong, concrete, immediate climate actions.

By narrowing the focus of the plan to climate action, we can compare our structure and approach to CAPs by the [City of Tempe](#), [City of Phoenix](#), and [City of Mesa](#). These plans are robust, detailed and they have SMART goals. The goals are supported by actions, partnerships, and synergies with existing municipal ops. I suggest that the CoS plan would benefit from the approach that these cities have used, which is largely a standard template for CAPs.

Whether it's called a Sustainability Plan or a Climate Action Plan, it should state goals that are specific, measurable, achievable, relevant and timebound. It should include quantitative goals and timelines for water conservation; for recycling and waste disposal; metrics for diversity, equity, and inclusion (DEI) in municipal staffing, plans and operations; goals for energy efficiency, RE and GHG emissions reduction; and for actions addressing heat mitigation. The Plan offers an opportunity to publicize the considerable successes that we've already achieved in water efficiency and recycling.

The Plan should identify goal owners: City staff who are responsible for identifying resource needs and barriers to implementation monitoring progress toward goals, and tracking progress toward meeting them. Maybe departments could form implementation teams for their area of responsibility. To the extent possible, senior execs should participate directly rather than delegating authority to junior staff.

Last week, UNEP issued [Emissions Gap Report 2022](#), which re-rings the alarm of the gap between a safe future for humanity and the current trajectory of governmental commitments and funding. [The current U.S. NDC is 50% reduction by 2030 \(2005 baseline\)](#), and EGR22 re-states that goal. To fully do our part, the City of Scottsdale should establish 50x30 goals for municipal operations and for communitywide GHG.

There is probably somewhat of a dilemma regarding approval and institutionalization of the Plan's goals. The structured goals that I've suggested may be controversial among council members. Yassamin Ansari and Willa Kaough (both City of Phoenix) may have useful ideas for getting strong goals across the finish line. And somehow, Mayor Giles in Mesa has managed to put into place a strong GHG reduction goal in a conservative town.

Thank you for the opportunity to voice in!

Respectfully,

Nick Brown
479.225.1000

From: [Dorie Morales](#)
To: [McNeilly, Lisa](#)
Subject: City of Scottsdale Sustainability plan comments
Date: Wednesday, November 16, 2022 8:37:32 AM

External Email: Please use caution if opening links or attachments!

Hi Lisa,

I would like to see the sustainability plan be a marketing plan that is digestible for residents.

How do residents and business owners access the sustainability plan?

I would like to see the city plan out steps to get to the sustainability goals. It is important to have the Green Building code passed.

Energy- What can residents do to reduce their use of energy? Educate residents on pool motor timers and variable speed pumps for their pools and so much more.

Mobility- How can we encourage bike rentals and biking? How can businesses encourage their employees to use alternative forms of transportation? How can we encourage residents to use alternative forms of transportation to get around the city to go to events and activities?

Air Quality- How can we encourage EV education and engagement? How do we encourage residents to ride share and car share? How can businesses encourage employees to take public transportation and ride sharing or car sharing? Are there landscape maintenance companies that use electric blow blowers? If so, how do we find them?

Water- How do we encourage residents to not wash their cars at home and get rid of their grass and zeroscape their yards? How can promote the tax incentives that cities were granted from Governor Ducey's water bill? The city can promote simple things that residents can do like turn off the water when brushing their teeth or in between washing their body and let the additional water go into a bowl or bucket and water your plants with it. Instead of putting water down the drain when someone does not drink the whole glass, put it in a bowl and water indoor or outdoor plants.

Open spaces- Get with public schools to encourage environmental education and take kids to open spaces. Work with eco-friendly pest control companies to educate residents about harmful toxins and pesticides.

Community services- Education on partnership with nonprofits and Green living magazine

Arts- encourage residents to come to public art pieces. I have a BFA so I can come up with some other ideas in the future.

Economic Vitality- Green Living magazine works with other cities to create their Green Business leaders awards event. We would love to work with the city.

Tourism and events- We are working with a number of cities to promote responsible and sustainable tourism. I am in discussions with Experience Scottsdale about sustainable travel partnership in the magazine. A couple of examples of other cities that we have worked with:

Discover Flagstaff to promote astro tourism and the town of Marana to highlight agritourism. It would be great to create a green events program that the city adopts.

Education and Lifelong Learning- Partner with businesses to reach more people. Create a city sustainability character to connect with kids and the public.

Extreme heat- Plant trees by unshaded bus stops.

Built Environment and Housing- work to get the Green Building code passed so Scottsdale can be a leader in green building.

Smart city- Education around this topic. How many residents know what a smart city is? Get schools involved in smart city projects.

Waste as a resource- Encourage events to get an incentive to have a green event and a zero waste event. Collaborate with nonprofits to take food waste. I would like to see a compost program for residents and businesses in the plan.

Food Systems- work with local farmers to have local accessible food. Educate residents on how to grow their own food by gardening, hydroponics and aquaponics

Implementation #1- meet twice a year or quarterly to review where the city is with sustainability goals.

Implementation #2- How can we market and promote sustainability champions and make it something that is an honor to win this award and people look forward to attending this event?

Implementation #3- How can we create diverse, inclusive and multicultural events that everyone wants to come together?

Implementation #4- How can we market the Scottsdale environmental advisory commission so that the community knows it exists and wants to engage and come to the open house? Could we include the sustainability champion and environmental award in some way?

It would be beneficial to create a resource guide that has simple steps to encourage a sustainable lifestyle.

Please let me know if you have any questions. I would like to discuss these items when we meet for breakfast or lunch. Please let me know a couple of dates that work for you.

Have a great day!

Best regards,

Dorie Morales, Publisher

[Green Living Magazine](#)

520-891-1091

dorie.m@greenlivingmag.com



From: [A. McMahon](#)
To: [McNeilly, Lisa](#)
Subject: Sustainability Plan
Date: Wednesday, November 23, 2022 8:54:43 AM
Attachments: [Pathway #3.pdf](#)
[1st 6 pages.pdf](#)

External Email: Please use caution if opening links or attachments!

Dear Lisa,

Please find attached comments to these sections of the draft Sustainability Plan:

Pathway #3

Pages 1-6

Many of the comments relate to clarifications. I will get the rest to you as soon as possible. I saw that the plan adoption date was moved to February. No doubt you're still processing input.

I'm sorry I wasn't able to submit the comments sooner. Long story involving flying through the air, passing through an agave, and landing on concrete (hip, shoulder and head) between the agave and a wheelbarrow. Thankfully nothing broken and several things have healed. But the soft tissue injuries in one leg persist; I still can't walk very far or drive. Needless to say, our Thanksgiving morning hike tradition won't be happening this year.

If you have questions about what any of the comments mean or want to discuss for any reason, feel free to call or write.

I hope you enjoy your first Scottsdale Thanksgiving!

Alisa McMahon
480.488.0288

Community Services

Provide high-quality community programs, services, and physical facilities that protect the health, safety, and well-being of all residents.

In Scottsdale

43 To realize outstanding livability, Scottsdale prioritizes services and facilities for all residents, including **lack of access** ~~forty-three~~ parks, 274 miles of trails, four public libraries, and eight residential centers. Low- and moderate income households may face employment barriers, financial instability, or **lack access** to healthcare or other basic services, so additional effort may be needed to connect these households to sustainability and other programs. The Human Services department works to enrich the lives of all residents through a range of programs that support the more vulnerable in our community. One example is Brick by Brick, a green building program that manufactures energy-efficient low-cost earthen blocks. The program encourages cooperation with local, national, and international institutions and stakeholders to make energy efficient dwellings more accessible and attainable throughout the Valley.

Strategy and Actions

Community Services #1 Expand community programs and services that support sustainability goals

1. Expand programs that serve low-income qualifying applicants
2. Create Resiliency Hubs for neighborhoods with higher populations of seniors and lower-income residents, starting with Vista del Camino and the Granite Reef Senior Center
3. Support implementation of Blue Zones Initiative
4. add "Blue Zones Initiative" to glossary
5. see below
6. Expand program to underserved communities to identify and address needs
7. Include users in planning for community services (food banks, low-income housing, etc.)
8. Create services for preventing homelessness and stable housing
9. Expand homeless outreach services and Day Relief Center program
10. Offer translation services to those needing assistance

Sustainability Indicators

- Access to community services (especially parks and library programs) by Census block
- Use of community services
- % of households with internet access
- # of homeowners assisted by Operation Fix It

6. Census should be lower case

7. vague indicator; be more specific

Related Actions

Equitable	Education & Lifelong Learning: additional support for communities
Resiliency	Extreme Heat & Hazard Preparedness: addressing heat vulnerability Built Environment & Housing: programs related to affordable housing

5. Throughout this plan, "community" is used as a synonym for the entire city. Here and on pages 4 and 30, it seems that "communities" is used more in the sense of "neighborhoods" or other sub-units of the City. Suggestion: use a term other than "communities" here and on pages 4 and 30.

8. Connection to General Plan section is missing.

9. The items highlighted purple seem more appropriate for the Community Services Master Plan than this plan.

Character & Arts

Conserve, protect, and deliver quality drinking water safely and reliably to the community, now and into the future.

1. Same statement as "Water Resources"

In Scottsdale

Scottsdale has long supported long range planning driven by the value placed on the diverse character and qualities of our Sonoran Desert community. Connecting these area-based plans outcomes is already underway, including through landscaping standards, scenic corridors and the Environmentally Sensitive Lands Overlay District. As an example, one value of the Old Town Scottsdale Character Area Plan is that "sustainability that is sensitive to Scottsdale's unique desert environment." In addition, the city's Sensitive Design Program articulates Scottsdale's design vision and outlines design expectations and values to nurture the character and aesthetic qualities of our desert environment. Art can be another of the expressions of the character of the city, especially as a way to connect to youth interest in sustainability and as part of the a public expression of the community's collective interest.

2. see next page

3. see next pg

Strategy and Actions

Character & Arts #1 Support character-based planning

1. Increase integration of sustainability and the importance of the Sonoran Desert environment into Character Area Plans
2. Encourage energy-efficient designs for outdoor lighting that reflect the local context
3. Incorporate passive design cooling strate 12. for "into" and site planning designs
4. Integrate LID/GI into neighborhood-level street improvements 5. LID/GI spell out
5. Investigate code updates based on energy performance for historic preservation and promote preservation as a sustainable practice 6. see next page

4. see next page

Character & Arts #2 Strengthen connections between arts and culture and sustainability

1. Fund public art creation and maintenance with sustainability themes 7. see next page
2. Expand 'Traceries' trash/recycle bins program
3. Develop and support youth arts programs 8. see next page
4. Promote the Scottsdale Heritage Connection and other historical programs

Sustainability Indicators 9. need indicators for actions in Strategy #1

- # of programs, services and events with sustainability programming 10. Square feet of turf removed
- # of arts programming in schools 8. see next page
- # of public art collection pieces with sustainability theme

Related Actions

Resiliency	Built Environment & Housing: additional character-based planning efforts
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Connection to General Plan 11. see next page

Goals and policies in the Arts, Culture and Creative Community and Character & Design Elements will guide work in this area, especially:

Goal CD 5 Promote the value and visual significance landscaping has on the character of the community.

Goal NPR 1 Preserve and enhance the character, identity, and quality of Scottsdale's diverse neighborhoods.

Character & Arts

2. The plans haven't been identified so "these area-based plans" is not clear. Change to read:
"Connecting character area plans to sustainability outcomes . . ."
3. With edits, reads: "Art can be another expression of the character of the city, especially as a way to connect to youth interest in sustainability and as a public expression of the community's collective interest."
(still clunky, but less clunky)
- 4a. What does "local context" mean here? Ambient lighting zones¹? Design aesthetic? Other? Either way, this action is really about energy efficiency. Dark skies and light pollution need to be addressed directly in separate actions.
- 4b. Of the available choices, this topic seems to be the best place to address preserving dark skies and minimizing light pollution. Two actions to add to Strategy #1:
 - Actively protect and preserve dark skies from inappropriate, excessive, or unnecessary artificial light, especially in Ambient Lighting Zones E-1 and E-2 and Environmentally Sensitive Lands areas of the City.
 - Create an ordinance to preserve and protect dark skies in Environmentally Sensitive Lands areas of the City.An indicator?
6. Break Strategy #1 Action #5 into two actions (with adaptive reuse added to the second one):
 5. Investigate the application of energy performance code updates to historic properties
 6. Promote historic preservation and adaptive reuse as a sustainable practice
(Note: Adaptive reuse in is the General Plan at ACC 2.3, ACC 4.2, CRR 1.5).
7. "Maintenance with sustainability themes" doesn't make sense. Flip sentence around or break Strategy #2 Action #1 into two actions:
 1. Fund public art maintenance and the creation of public art with sustainability themes **OR**
 1. Fund the creation of public art with sustainability themes **AND**
 2. Fund public art maintenance
8. Items highlighted purple do not have a stated sustainability connection.
- 11a. "especially" is followed by an NPR goal, which doesn't make sense given the two elements mentioned beforehand
- 11b. I need to see the correct statement at the top to evaluate the General Plan connections.

¹ www.scottsdaleaz.gov/Assets/ScottsdaleAZ/Design/AmbientLightingZones.pdf

Economic Vitality

Provide high-quality community programs, services, and physical facilities that protect the health, safety, and well-being of all residents.

1. Same statement as Community Services

In Scottsdale

A local economy that practices can be a goods and services or adopting green practices from high profile zero waste events to small businesses certifying through Local First, there are companies committed to being strong partners with the city on this issue. Scottsdale is one of the most desirable destinations and fastest-growing communities in the U.S. Economic development initiatives are based on the city’s vision that Scottsdale is a prosperous, sustainable destination for diverse talent, investment, and innovative businesses. Of Scottsdale’s approximately 18,000 registered businesses, 85% are small businesses comprised of 50 or fewer employees.

2. correct name: “Local First Arizona”

Strategy, Actions, and Metrics

3. this is the only topic that says “metrics”

Economic #1 Integrate green innovation and business into economic planning

- 1. Attract businesses that support sustainability and smart city development
- 2. Create a green business recognition program
- 3. Develop sustainability goals for the Tourism & Events Strategic Plan
- 4. Work with anchor institutions to implement sustainable practices
- 5. Include environmental questions in Special Event Permit application
- 6. Showcase the city’s commitment to sustainability for business development

4. “anchor institutions”?

5. see below

Sustainability Indicators

- # of green businesses

6. how is “green businesses” defined for purposes of this indicator?

7. need more indicators

Related Actions

Resiliency	Built Environment & Housing: making housing more affordable
Circular Systems	Waste: efforts to promote green events

8. change to: “Waste As A Resource”

Connection to General Plan

Sustainability can support and enhance the economic development goals in the Economic Vitality Element, especially Policy EV 1.4 Recruit and retain companies with core values that include both innovation and environmental stewardship and encourage partnerships between these companies and research institutions.

5a. If only one of the applications, which one? If both applications, say “applications.”

5b. What is the purpose of the questions? We should be moving toward “green” or at minimum “greener” events (public and private). See, for example, General Plan Policy T 3.9. We need “green” requirements for special event permits.

Education & Lifelong Learning

Proactively support sustainability and environmental education opportunities for all citizens.

In Scottsdale

The benefits of environmental education at any age are numerous. Academic performance can increase and learning about nature generally leads to spending more time in nature. Combined with service learning, environmental education can also strengthen communities. The goal is to find ways to make learning fun and accessible for all ages – like the [Recycle Bin](#) project of the Scottsdale Unified School District (SUSD), the pilot tree inventory initiated by the Scottsdale Environmental Advisory Commission or through events hosted by the Scottsdale Public Library.

Strategy and Actions

Education #1 Improve community sustainability knowledge

1. Develop a Sustainability Academy
2. Maintain and continue Green Building webinar
3. Collaborate with SUSD and other schools
4. Promote libraries, community centers, parks, and other city facilities as resources and connections to nature
5. Create a culture
6. Offer sustainability-related opportunities in Volunteer Program
7. Participate in sustainability events hosted by Mayor’s Youth Council
8. Develop interactive ways for people to interact with sustainability features (e.g., talking garbage cans)

1. correct name: “Green Building Education Series” - delete “webinar” - series went virtual when all City events went virtual, but we should not preclude the possibility of returning to in-person

2. see below 12 sustainability curriculum with locally relevant assignments and add sustainability leadership positions to student councils

4. add: “the city’s” city operations and launch an employee Green Team 3. see below

5. who participates?

6. change “interactive” to “innovative” or delete “interactive”

Sustainability Indicators

- # of community members engaged and/or educated
 - # of schools engaged
7. this indicator is too broad
8. need more indicators

Related Actions

Low Emissions	Climate Planning: climate change-specific efforts
Nature-Based	Water Resources: information on water conservation
Resiliency	Extreme Heat & Hazard Preparedness: community preparedness and knowledge
Circular Systems	Waste As A Resource: recycling and composting outreach

Connection to General Plan

9. change “can support” to “supports”

The inclusion of sustainability programming can support the goals and policies of the Education Element.

2. Six public school districts serve Scottsdale: Scottsdale Unified, Paradise Valley Unified, Cave Creek Unified, Fountain Hills Unified, Phoenix Union, and Balsz. Each of them also serve other municipalities. So perhaps say: “local school districts” or “local schools.”

3. Since we already have an employee Green Team, take the action to the next level.

odd photo choice unless the parking garage in the foreground is intended to highlight an area where improvement is needed . . .

Scottsdale Sustainability Plan



“Sustainability is a condition of living that enables the present generation to enjoy social well-being, a vibrant economy, and a healthy environment, without compromising the ability of future generations to enjoy the same.”
(Scottsdale General Plan 2035, page 280)

DRAFT

Sustainability for Scottsdale's Present and Future

Scottsdale is a special place known for unparalleled leisure, amenities, and a reputation for livability. The diversity and natural beauty of Scottsdale's landscapes are among its defining features, and the city has consistently championed environmental stewardship while maintaining high quality of life for residents, visitors, and businesses. Residents overwhelmingly say that the "overall quality of natural environment in Scottsdale" is essential or very important .

In recent years, many cities around the United States and the world have committed to being smart, resilient, and sustainable. Scottsdale's journey goes back decades, including a guiding principle to "Seek Sustainability" from the 1996 CityShape 2020. More recently, the city's leadership is seen in the Scottsdale General Plan 2035 (General Plan), which identifies five core elements of sustainability and the environment – Open Space, Environmental Planning, Conservation, Water Resources, and Energy. By adopting this Sustainability Plan 2022 (Plan), Scottsdale returns to an influential role in urban sustainability by embracing a proactive and comprehensive approach to achieving ambitious targets.

Sustainability represents more than environmental conservation, integrating social, environmental, and economic considerations to allow all to thrive. This more expansive view of sustainability encompasses factors such as health, walkability of urban spaces, access to open and natural spaces, and inclusive, shared

community resources. Rather than conflicting with growth, thoughtful and fiscally-sound sustainability planning enables expansion while enhancing the quality of life for current residents and future generations.

The goals of environmental stewardship, economic vitality, and equity are interconnected yet achievable. Scottsdale has demonstrated numerous times that it can find innovative and balanced solutions when others see competing objectives, and the city recommits to equally considering all three elements of sustainability in planning and decision-making.

This community-wide Sustainability Plan builds on Scottsdale's legacy of effective, resident-centered governance and sound economic management. The plan preserves and improves what is already in place and seeks to 'fill in' system gaps, identifying areas where more needs to be done and where new and cost-effective approaches are needed. It provides a common framework to improve the quality of life for all residents, to preserve our Sonoran Desert environment, and to fulfill our responsibility to future generations.

The Plan is fundamentally a roadmap for policy and implementation. Together with existing plans and programs, it is designed to reflect the values of the City and chart a course for the next ten years. Early work will include crafting Heat Mitigation and Net Zero Strategic Energy plans, increasing the number of green events, and adding more trees and shade.

1. Restore this quote from the General Plan (which was in a prior draft of this Sustainability Plan): "Scottsdale recognizes that economic growth, environmental stewardship, the provision of open space, and fiscal responsibility are interrelated and mutually achievable goals."

2. "interconnected, yet achievable." The "yet" sounds like being "interconnected" and "achievable" are at cross-purposes. Referencing the quote above, I think what you want to say is: "The goals of environmental stewardship, economic vitality, and equity are interconnected and mutually achievable."

3. It's trite, but I think this page could benefit from the typical graphic with the three intersecting circles labeled: environmental stewardship, economic vitality and equity.

How The Plan Was Developed

page number missing on this page and previous page

The City of Scottsdale initiated work to develop the Sustainability Plan in June 2021 and engaged the Rob and Melani Walton Sustainability Solution Service as a partner in this effort. ASU provided expert guidance and assistance in translating priorities into sustainability pathways and actions. ASU researchers assessed Scottsdale’s progress in sustainability to date through interviews with city personnel and surveyed best practices to identify potential approaches and frameworks best suited to Scottsdale’s needs.

The plan development process was just as important as the content, so after documenting current progress we reached out to staff, residents, and other stakeholders. Throughout 2022, the City of Scottsdale sought input and feedback from the community through workshops and regular meetings with the

Scottsdale Environmental Advisory Commission (SEAC). To obtain perspectives from multiple stakeholder groups, presentations were made to other resident commissions and boards as part of the broader public input process. In addition, staff and other subject matter experts provided guidance and ideas.

The workshops helped record priorities, with participants sharing possible actions and their preferences for key strategies. The most commonly shared proposals addressed open space and trees, renewable energy and energy efficiency, water shortages, waste reduction, economic development, and heat mitigation. Other priorities included increasing active mobility options and electric vehicles, offering composting and other waste diversion tools, creating heat resilience centers, attracting green businesses, and increasing affordable housing.



Scottsdale Sustainability Framework

Scottsdale’s Sustainability Plan 2022 addresses the three dimensions of sustainability, identifying five thematic **Pathways** based on a modified version of the framework developed by the International Council for Local Environmental Initiatives (ICLEI).

Fifteen **Topics**, partly drawn from the General Plan elements, reflect traditional sustainability topics as well areas where the city is adding sustainability connections to existing work. The strategies and actions for each topic **will** look beyond what the city is doing where there

are existing plans or programs and provide policy direction where efforts are newer or are now more urgent. The structure facilitates collaboration and reinforces the connections between the topics.

The framework supports the protection of the Sonoran desert ecosystem in rural and urban areas. It also directs actions toward supporting and attracting residents and visitors, providing economic benefits, and ensuring a high quality of life.

1.

Sustainability Pathways & Topics

Low Emissions & Climate Action: Reduces greenhouse gas and other environmentally harmful air emissions

- **Climate Planning** • **Energy** • **Mobility** • **Air Quality**

Nature-Based: Protects and enhances our city and natural environment by conserving resources, balancing land use and open space

- **Water Resources** • **Open Space & Land Management**

2. see attached

Equitable Community: Builds just, livable, and thriving communities reflecting the character of Scottsdale

- **Community Services** • **Character & Arts** • **Economic Vitality** • **Education & Lifelong Learning**

Resiliency: Anticipates and responds to shocks and stressors, preparing for new risks and impacts

- **Extreme Heat & Hazard Preparedness** • **Built Environment & Housing** • **Smart City**

Circular Systems: Supports models of production and consumption that support reducing, recycling, repairing, and repurposing products and materials

- **Waste as a Resource** • **Food Systems**

3. use a different word for one “support” so circular isn’t circular!

How To Read The Plan

4. see attached

For each topic, there are multiple elements outlining the planned work toward a more sustainable future. A success statement gives a clear vision of success for each topic. In Scottsdale sections discuss why each topic is important, highlight existing works, and share the starting points for success. Key strategies and actions will define the work to be done over the next few years. Building on data collected from 1998-2005, clearly defined sustainability indicators will help inform future data-driven work and the list of related actions makes connections between topics.

The City of Scottsdale is committed to implementing this Plan with robust participation from residents, businesses, and non-governmental organizations. Elected leaders and city officials cannot do this alone. Achieving sustainability for Scottsdale requires a common vision of the future and engagement from the whole community to address and prioritize effective solutions. When reading this Plan, consider what perspectives, knowledge, and community connections can help achieve these goals.

Page 4 Additional Notes

2. I'm unsure whether a verb is missing in front of "open space" ("... by conserving resources, balancing land use and _____ing open space") or you mean "balancing land use and open space." However, Open Space is a land use in our General Plan. If the latter meaning is intended, it would read better with an "and" ("... **and** balancing land use and open space." Or: "... **and** balancing **development** and open space."

4. How To Read The Plan

redlined:

For each topic, there are multiple elements outlining the planned work toward a more sustainable future. A success statement gives a clear vision of success ~~for each topic~~. The "In Scottsdale" sections ~~discusses~~ why each topic is important, highlights existing works, and shares the starting points for success. Key "sStrategies and aActions" ~~will~~ define the work to be done over the next few years. Building on data collected from 1998-2005, clearly defined "sSustainability iIndicators" ~~will~~ help inform future data-driven work. ~~and t~~The list of "rRelated aActions" makes connections between topics.

The City of Scottsdale is committed to implementing this Plan with robust participation from residents, businesses, and non-governmental organizations. Elected leaders and city ~~officials-staff~~ cannot do this alone. Achieving sustainability for Scottsdale requires a common vision of the future and engagement from the whole community to address and prioritize effective solutions. When reading this Plan, consider what perspectives, knowledge, and community connections can help achieve these goals.

with all redlines accepted:

For each topic, there are multiple elements outlining the planned work toward a more sustainable future. A success statement gives a clear vision of success. The "In Scottsdale" section discusses why each topic is important, highlights existing work, and shares the starting points for success. Key "Strategies and Actions" define the work to be done over the next few years. Building on data collected from 1998-2005, clearly defined "Sustainability Indicators" help inform future data-driven work. The list of "Related Actions" makes connections between topics.

The City of Scottsdale is committed to implementing this Plan with robust participation from residents, businesses, and non-governmental organizations. Elected leaders and city staff cannot do this alone. Achieving sustainability for Scottsdale requires a common vision of the future and engagement from the whole community to address and prioritize effective solutions. When reading this Plan, consider what perspectives, knowledge, and community connections can help achieve these goals.

Sustainability Overlaps Across Topics

The following table shows the substantial overlaps and interconnections across topics:

	Low Emissions & Climate Action				Nature Based		Equitable Community				Resiliency			Circular Systems	
	Climate Planning	Energy	Mobility	Air Quality	Water Resources	Open Space & Land Management	Community Services	Charcter & Arts	Economic Viability	Education and Lifelong Learning	Extreme Heat & Hazard Preparedness	Built Environment & Housing	Smart City	Waste as a Resource	Food System
Low Emissions & Climate Action															
Climate Planning															
Energy															
Mobility															
Air Quality															
Nature Based															
Open Space & Land Management															
Water Resources															
Equitable Community															
Community Services															
Charcter & Arts															
Economic Viability															
Education and Lifelong Learning															
Resiliency															
Extreme Heat & Hazard Preparedness															
Built Environment & Housing															
Smart City															
Circular															
Waste as a Resource															
Food System															

1. character; same on top

2. Visually, this is difficult to process because of the different sized rows and columns. If you make it wider and taller and abbreviate where necessary, all rows and columns can be the same size.

Synergy with Existing Plans and Efforts

The City of Scottsdale has already shown leadership in numerous areas related to sustainability, from its forward-thinking water policy and green building programs to its commitment to preserving open space. Much of this work is reflected in other city plans, sometimes with substantial overlaps in objectives. In addition to the General Plan, these relevant plans should be viewed as ‘partner’ documents during implementation:

Low Emissions & Climate Action

- [Transportation Action Plan \(2022\)](#)
- [Old Town Bicycle Master Plan \(2022\)](#)
- [Residential Solar Guidelines \(2020\)](#)
- [Commercial Solar Guidelines \(2019\)](#)

Nature-Based

- [Parks & Recreation Strategic Plan \(under development\)](#)
- [Sustainable Water Management Principles \(2022\)](#)
- [Integrated Water Resources Master Plan \(2022\)](#)
- [Drought Management Plan \(2021\)](#)
- [Scottsdale Water Strategic Plan \(2019-2024\)](#)
- [McDowell Sonoran Preserve Ecological Resource Plan \(2016\)](#)
- [McDowell Sonoran Preserve, City Ordinance, Chapter 21](#)

Equitable Community

- [Tourism & Events Strategic Plan \(anticipated adoption in Fall 2022\)](#)
- [Scottsdale Consolidated Plan \(2020\)](#)
- [Economic Development 5-Year Strategic Plan \(2021\)](#)
- [Scottsdale Public Library Strategic Plan \(2019\)](#)
- [Community Services Master Plan \(2015\)](#)

Resiliency

- [Strategies for a Cooler Scottsdale \(2022\)](#)
- [Smart City Strategic Roadmap \(2020\)](#)
- [Design Standards and Policy Manual \(2018\)](#)
- [Emergency Preparedness Jurisdictional Project Summary \(2018; 2021\)](#)
- [Sensitive Design Principles \(2001\)](#)
- [Green Building Program](#)

Circular Systems

- [Community Solid Waste and Recycling Strategic Plan ~~\(2017\)~~ \(2018\)](#)

This plan was worked on into 2018. It was not formally adopted by City Council, so there is no formal adoption date.

“Much of Scottsdale’s reputation is built on creative solutions to solve environmental challenges. The need for flood control in the southern part of the community became the world-renowned Indian Bend Wash Greenbelt. The desire to preserve the natural beauty and land forms of the Sonoran Desert while protecting people and property from hazardous conditions resulted in the Environmentally Sensitive Lands and Native Plant Ordinances and the Scottsdale McDowell Sonoran Preserve. The Green Building Program was created to promote more sustainable desert living and reduce the environmental impacts of development.”

(Scottsdale General Plan 2035, page 70)

From: [A. McMahon](#)
To: [McNeilly, Lisa](#)
Subject: Sustainability Plan
Date: Monday, November 28, 2022 12:55:12 PM
Attachments: [Pathway #5 and Plan Implementation.pdf](#)
[Oregon](#)

External Email: Please use caution if opening links or attachments!

Dear Lisa,

I hope you had a wonderful Thanksgiving holiday.

Please find attached comments to these sections of the draft Sustainability Plan:

Pathway #5 and Plan Implementation

Oregon DEQ "Wasted Food Hierarchy" (possible graphic for "Food Systems" topic)

If you have questions about what any of the comments mean or want to discuss for any reason, feel free to call or write. Thank you.

Alisa McMahon

480.488.0288

Waste as a Resource

see additional notes attached

Develop a circular economy approach for materials management and maintain effective city-wide diversion of all waste streams.

In Scottsdale see edits t/o paragraph and add'l notes attached

Striving for zero waste ~~go can~~ reduces the pressure on landfills and yields other environmental benefits like energy savings from recycling aluminum. Businesses and cities are exploring innovations that also create jobs, lower methane emissions and reduce pollution from extraction and manufacturing of new goods through reuse. The City of Scottsdale's Community Solid Waste Reuse and Recycling Strategic Plan, ~~adopted in 2016~~, outlines eight policy statements driven by the community's values and vision. Focused on improving the city's 27% rate of waste kept out of the landfill, the plan sets goals for 2030 for improvement: showing city leadership with a 90% diversion rate; asking single-family homes to divert 60%; and working with multi-family buildings to recycle or compost 30% of their waste. The popular Canal Convergence and Waste Management Phoenix Open events achieved zero waste by focusing on recycling, changing how vendors packaged their offerings, and offering composting.

add: "strive to"

Strategy and Actions see additional S & A notes attached

Waste #1 change "with" to "to make" material streams by expanding services

1. Work with city-sponsored events to be zero waste
2. Require builders to include space for recycling in new multi-family housing
3. Require a 50% diversion rate of construction waste for new commercial projects
4. Promote commercial and multi-family recycling
5. Develop a green event program clarify: for city-sponsored events, city-permitted events, all events?
6. Host an expo with vendors to promote and educate about green event options
7. Investigate how to increase recycling or reuse of cardboard boxes
8. Expand reuse of surplus municipal goods including through sale of excess containers and equipment
9. Reduce use of single-use, non-recyclable, and non-compostable packaging and bags

Waste #2 Strengthen local markets

1. Adopt city green purchasing and local policies and practices
2. Attract circular economy companies and entrepreneurs
3. Create program to reuse building materials

Waste #3 Expand opportunities for diverting organic waste from the landfill

low-hanging fruit; should be > 5 by 2025

1. Offer composting at five city-owned or -managed buildings or venues by 2025
2. Develop a city-wide composting program
3. Establish a green/yard waste drop-off program change "green/yard" to "landscaping"
4. Incentivize composting by providing backyard composters
5. Promote commercial and multi-family green waste diversion change "green" to "organic" so not limited to landscaping material

Sustainability Indicators see additional notes attached

- Overall diversion rate, plus amount of solid waste generated
- Recycling contamination rate
- # of city events that are zero waste annually clarify: city-sponsored events, city-permitted events, all?
- # of additional businesses adding recycling services each year add to end: "(net gain/loss)"

Waste as a Resource – Additional Notes

General Note: All added strategies and actions derive from the Community Solid Waste Reuse and Recycling Strategic Plan ("Strategic Plan").

1. "Maintain effective city-wide diversion of all waste streams" is premature because we don't *have* diversion of all waste streams. We must develop pathways for diversion before we can *maintain* them. Suggestion: "Develop a circular economy approach for materials management and **maintain** effective city-wide diversion of all waste streams."
2. "In Scottsdale" paragraph:
 - a. The Strategic Plan did not have a formal adoption date. The City Council directed its creation in 2016. It was worked on into 2018.
 - b. "improving" and "improvement" in same sentence is redundant
 - c. Regarding "the city's 27% rate of waste kept out of the landfill": The sentence implies 27% is the rate of either a) municipal (i.e., City with a capital "C") waste diverted from landfill or b) overall (i.e., all sectors, throughout the city with a lower case "c") waste diverted from landfill. To my knowledge, neither is true. The rate of SFR curbside recycling is 27%.
 - d. The timeline for the 90% city (municipal) goal is FY 2024-2025, not 2030.
 - e. The Strategic Plan also contains a commercial diversion goal of 30% by FY 2029-2030.
 - f. Canal Convergence and WM Phoenix Open are not on equal terms. While I appreciate the zero waste attempt, the amount of contamination I witnessed at Canal Convergence this year indicates that the event came nowhere close to achieving zero waste. (This is said with the understanding that "zero waste" is not truly *zero* waste.) "Strive to" makes the sentence more accurate.

3. Waste #1

expand action to add commercial per the Strategic Plan:

2. Require builders to include space for recycling in new commercial and multi-family construction

revise action:

3. Require a 50% diversion rate for construction and demolition waste

note: remove "for new commercial projects" because that will likely be achieved before this plan is adopted and the next step will be other types of projects; add "demolition" per International Green Construction Code and the Strategic Plan

add action:

- X. Investigate a "pay as you throw" rate structure for trash and brush & bulk

change order to put the three green event actions in sequence

4. Waste #2

revise strategy:

Strengthen markets for local, recycled-content, recyclable and reusable materials

revise action:

- | | |
|--|--------|
| 1. Develop and implement a city Environmentally Preferable Purchasing Policy | BEST |
| 1. Develop and implement a city green purchasing policy | BEST |
| 1. Adopt city green purchasing policies and practices | BETTER |
| 1. Adopt city green and local purchasing policies and practices | GOOD |

note: The current wording is confusing. First, it's not clear that it means local *purchasing* policies and practices (hence the "good" suggestion). Second, local purchasing is one aspect of green purchasing; by calling out "local" separately, this plan seems to say otherwise. In addition, this may not be the right place in the plan for this action. The suggested revised strategy language improves the fit. However, see related note in Plan Implementation (page 30).

add action:

- X. Collaborate with regional public and private partners to develop regional processing capabilities and end markets for recoverable commodities (e.g., construction and demolition materials, organics, and appliances)

5. Waste #3

clarify action:

- 2. Develop a city-wide composting program

Is this "program" intended to be for collection, production or both? If the former, would it be better described as a "third bin organic" program?

expand action:

- 4. Incentivize home composting by offering discounted electric composters (bulk purchase savings or rebates) and providing backyard compost bins

note: FoodCycler is an electronic composter example

add action:

- X. Evaluate feasibility of a municipal anaerobic digestion facility

OR

- X. Evaluate feasibility of a municipal anaerobic digestion and composting facility

Reference: ASU RISN's "Regional Circular Organic Resource System" Final Report, August 2016

6. Waste #4

add a Strategy and Actions:

Waste #4 Reduce waste generation

- 1. Promote donation as an alternative to bulk collection
- 2. Collaborate with Water Resources, AMWUA and other partners to reduce the volume of landscape waste generated
- 3. Promote textile recycling
- 4. Prohibit municipal purchase of bottled water for distribution in city facilities and at city events
- 5. Install bottle-filling stations at all existing city facilities that don't have them

Move 3 actions highlighted purple to Waste #4

7. Waste #5

add a Strategy and Actions:

Waste #5 Alleviate the burden and responsibility on municipal waste management

1. Advocate for Extended Producer Responsibility legislation
OR
1. Advocate in collaboration with other municipalities and the League of Arizona Cities and Towns for Extended Producer Responsibility legislation
2. Advocate for the removal of legislative barriers that prevent Scottsdale from effectively addressing materials management challenges
OR
2. Advocate in collaboration with other municipalities and the League of Arizona Cities and Towns for the removal of legislative barriers that prevent Scottsdale from effectively addressing materials management challenges
OR
2. Advocate for the reversal of state legislation that prohibits or impedes effective municipal materials management
OR
2. Advocate for the removal of legislative barriers that interfere with municipal materials management

8. Sustainability Indicators

clarify:

- Overall diversion rate, plus amount of solid waste generated

add Indicators:

- # of multifamily complexes adding recycling services each year (net gain/loss)
- # of tons of construction and demolition materials diverted from the landfill on capital projects
- # of tons of brush collected
- # of tons of bulk collected
note: intentionally separate; goal is for bulk collection to drop as donation (reuse) increases
- # of legislative improvements
- % change of organic material in residential refuse and recycling (contaminant) composition
- % of new customers participating in move-in box collection service

Related Actions

Equitable Community	Arts & Culture: public art and recycling bins Education & Lifelong Learning: broader outreach and engagement actions
Resiliency	Built Environment: actions that increase diversion of residential and construction waste
Circular	Food Systems: food waste reduction change to: “wasted food”

Connection to General Plan

The connection between waste diversion and the circular economy are highlighted in two specific goals from the Environmental Planning and Public Services & Facilities Elements:

Goal EP 4 Expand the circular economy by maximizing resource recovery, reuse and recycling, and promoting use of recycled, recyclable, and renewable materials.

Goal PSF 1 Maintain an innovative, sustainable solid waste collection, recycling, and disposal delivery system.

additional:
Policy CONSV 1.1
Policy E 2.4
Policy S 8.1
Policy S 8.2
Policy S 8.6
Policy PSF 5.1
Policy PSF 5.2
Policy T 3.9

Food Systems

Support food production from farm to table to farm by encouraging local farmers, ensuring access to fresh healthy food sources, and recovering nutrients from organic waste.

In Scottsdale

Even though Arizona grows 12% of the fruits and vegetables consumed nationwide, there are still a significant number of people who face food insecurity . A lack of access to food can mean that healthy and nutritious food is not readily available or that a household cannot afford those food items. According to the [USDA Food Access Research Atlas](#), there are parts of Scottsdale where a significant number of lower-income residents are more than 1/2 mile from the nearest supermarket. At [2. see below](#) food waste - whether it could have been donated or composted [3. see below](#) problem of insecurity. Existing programs addressing food insecurity include [gardens](#) and [weekend meals](#) for students, a [food bank](#) at Vista del Camino, free or [reduced cost](#) school lunches, partnerships with nonprofits like Waste Not, and the [4. add hyphen: "reduced-cost"](#) s. In its fourteenth year, the Old Town Farmers Market features local growers and specialty food producers.

1. no strategy or action related to this

Strategy and Actions

Food #1 Ensure access to healthy foods for all community members

1. Expand operations of the Vista del Camino Food Bank
2. Partner with non-profits, grocery stores and [food businesses](#) those in need, especially children
3. Establish community gardens throughout the city
4. Encourage [sustainable food purchases](#) for events
5. Assess and map food deserts
6. Evaluate creation of a [food policy council](#)

5a. "food businesses is an odd term; replace with "restaurants and caterers"?
5b. add: "hospitality industry"

6a. what does "sustainable food purchases" mean?
6b. city-sponsored, city-permitted, all events?

7a. how is "access to healthy food sources" defined?

7b. census should be lower case

Sustainability Indicators

- [Access to healthy food sources](#), by Census
- [Tons of food waste donated](#)
- # of community gardens created

8. change to: "tons donated of what otherwise would be wasted food"

Related Actions

Equitable Community	Community Services: participation in BlueZones initiative
Circular	Waste: other food waste 2. see below ts

9. replace "Waste" with "Waste As A Resource"

Connection to General Plan

Healthy Community Element: Goal HC 2 Strive to provide access to healthy, local foods throughout the community.

2. replace "food waste" with "wasted food" in two places - this is an important distinction!

3. I understand the nexus, but it seems a stretch to say, in effect, that composting relieves food insecurity.

10. add green highlighted terms to Glossary

⁷ Arizona Food Bank Network, <https://azfoodbanks.org/hunger-in-arizona/>. Accessed 9/30/2022.

11. see Oregon DEQ Wasted Food Hierarchy attached as a possible graphic for this topic

Plan Implementation

Implementing this Sustainability Plan involves not only municipal government, but an array of other civic stakeholders. This drives a focus beyond government to governance – the process through which residents, stakeholders, and governments work together to guide independent and collective action. Bringing these interests together to collaborate on implementation has numerous benefits and yields better outcomes. The collaboration can also ensure that the benefits of the plan are distributed equitably across the city.

The strategies and actions in this Plan are complex and intersect with numerous existing priorities established by the City of Scottsdale. Some are extensions of programs and initiatives that are already well-developed, while others are completely new and need to be started from scratch. Implementation of the Plan should be strategic in managing city and stakeholder resources while striving to maximize the benefits for all Scottsdale residents and visitors. Because achieving sustainability is an ongoing process, the Plan is based a process of on continuous evaluation and improvement. As each step is completed, new steps will emerge.

The City of Scottsdale is committed to implementing this Sustainability Plan with a high level of transparency and stakeholder participation. This Plan is a flexible, living design for realizing a common vision for the future broadly shared by all members of the community, including residents, civic organizations, and businesses. Our implementation strategy is four-fold.

City Leadership to City-Wide Effort This Plan is grounded in actions already initiated but that should be more fully embraced throughout the city to maximize the sustainability benefits.

Incremental to Transformative This Plan is ambitious in scope and outlines steps to advance Scottsdale on its sustainability journey and includes ambitious actions that will ensure widespread

Use a different word for one of them. Maybe replace the second one with “impactful.”

Center Equity It is common to use an equity lens for urban sustainability planning and Scottsdale is committed to ensuring that implemented programs impact the populations that need more attention.

Implementation to Institutionalized This Plan is designed for action and accountability and aims to make sustainability the ‘default’ consideration in Splanning and policy.

Strategy and Actions

Implementation #1 Leverage governance structures for faster progress

1. Use the Sustainable Scottsdale Steering Team as a forum to elevate to leadership important or city-wide issues that impact the achievement of sustainability goals
2. Recognize achievement and encourage aspiration
3. Share successes and challenges with other cities locally and nationally
4. Set a green procurement goal as a percentage of total municipal purchasing [see below](#)
5. Formally update the Sustainability Plan on a regular cycle

Implementation #2 Increase capacity for implementation

1. Identify and nurture staff and community champions for sustainability
2. Create staff training modules and community outreach media to increase awareness of sustainability solutions and to build the constituency for continuous improvement
3. Craft a 'build-a-plan' toolkit for residents and small and medium businesses, including a mechanism for reporting on progress
4. Regularly engage with communities and residents

Implementation #3 Reflect community values in implementation

1. Build an implementation toolkit to drive decision-making in execution of strategies and actions
2. Partner with Diversity, Equity, and Inclusion program on implementation prioritization
3. Focus on cross-cutting issues such as purchasing and procurement, communication, and checklists for evaluating current projects and proposals
4. Expand community engagement to give more community members a voice on implementation

Implementation #4 Ensure transparency

1. Produce an annual report on progress and challenges associated with implementing the Sustainability and related plans and on the Sustainability Indicators
2. Track operating and capital spending on sustainability-related work and make savings transparent by tracking operational savings and project rebates in partnership with the City Treasurer
3. Document estimated co-benefits, like improved air quality and health and consumer savings
4. With the Scottsdale Environmental Advisory Commission, host a regular community open house to share successes and solicit feedback

green procurement goal:

Green purchasing is also mentioned in Waste as a Resource. Perhaps the references should be consolidated. Since Environmentally Preferable or Green Purchasing encompasses waste, energy, water, et cetera, where is it best located?

The same question applies to green events.

add to Implementation #1:

- Convert identified best practices into standard practices through their incorporation into Standard Operating Procedures (SOPs)
- Encourage each department to adopt additional sustainability SOPs specific to their operations

add to Implementation #2:

Coordinate with Human Resources to incorporate sustainability culture and SOPs into new employee orientation, personnel manuals, training modules, goal setting and performance reviews.

From: Celina.Bonugli@aps.com
To: McNeilly_Lisa
Cc: Judson.Tillinghast@aps.com; Sarah.Noll@aps.com; Tony.Perez@aps.com; Trevor.Swanson@aps.com
Subject: RE: Scottsdale Sustainability Plan
Date: Monday, December 12, 2022 1:29:57 PM
Attachments: [image002.png](#)

External Email: Please use caution if opening links or attachments!

Hi Lisa,

It was great connecting with you last week. Below, you'll find the considerations and next steps we discussed (plus) as you finalize the sustainability plan.

If it's helpful, here are some resources and connections for you:

- Trevor Swanson, cc'ed on this email, leads our energy audit support! Feel free to reach out when it's appropriate
- Our recently filed [Transportation Electrification Plan](#) (pending approval)
- For your consideration, here is a [general resource](#) on how city-utility partnership agreements can be utilized to achieve climate & energy goals

Looking forward to reconnecting next year and further developing the net-zero energy plan! In the interim, please keep us in the loop with any updates on your efforts and don't hesitate to reach out if we can be of help!

Cheers,
Celina

- Pathway #1: Low Emissions & Climate
 - *Climate Planning: Develop mitigation and adaption solutions to climate challenges*
 - *Strategy & Actions*
 - #1: *Establish framework to reduce climate emissions & impacts*
 - *Carbon reduction goal* – a comprehensive GHG reduction goal is great!
 - Consider how the energy plan, strategy / actions and indicators further align with this (RE vs. clean energy / GHG reductions)
 - Keep us posted on your inventory work and if we can be of help!
 - *Emission inventories*
 - Consider: differing customer accounting practices differ, APS's accounting practices to help inform your baseline
 - Let's explore how can we be partners / update on data efforts
 - #2:
 - *Resilience plan* - partnership?
 - Keep us up-to-date on your potential community based cohort
 - *Energy: Maximize the use of RE and EE to build resiliency and create economic benefits*
 - *Strategy & Actions*
 - #1: *Net-Zero Energy Strategic Plan to accelerate RE installation, expand EE and attract investment*
 - Considerations: What do you mean by net-zero? What are the resources permitted or not? Timing components?
 - *Work with utilities on EE improvements for residential and commercial / educate*
 - Next six months of the next year explore education support opportunities
 - *Battery storage – any specific thoughts?*
 - When you are ready to explore what this could mean for Scottsdale, let us know – we are happy to explore solution opportunities and provide updates on the regulatory environment
 - Note: there are some relevant federal funding opportunities
 - #2 *Improve municipal energy performance*
 - While the target is carbon reduction, the actions focus on RE / solar only
 - *Energy audits* - note that APS offers EE audit support
 - *Solar generation on city facilities*
 - In addition to your previously identified potential locations / facilities, let us know how we can be of help in selecting which resources to pursue
 - *Join utility green power programs* –
 - Considerations: Interested in broader RE procurement?
 - When it's helpful, we are happy to share information on our available programs and further inform the target you set in the net-zero energy plan!
 - *Mobility*
 - Consider our recently approved transportation electrification plan (TEP)
 - *Air Quality*
 - #2: *Accelerate EV adoption*

Double EV charging

- Considerations: specific areas in consideration (equity component)? Types of chargers? Alignment with APS & state charging efforts (e.g. NEVI)?
- Note: APS offers charger rebates / funding support
- APS offer: education / talking points
- *City fleet and buses*
 - There may be federal funding opportunities
 - Note: Upcoming APS fleet advisory services
- *EV charging policy / master plan*
 - Consider: alignment with APS transportation plans
- *Sustainability indicators*
 - # and location of EV charging (complementary to APS and state efforts)
 - # of gallons of gasoline – Conversion as well?
- *Pathway 2: Nature-Based*
 - *Water Resources*
 - Microgrid resiliency for water plant management
- *Pathway 3: Community Services*
 - Federal funding opportunities
- *Pathway 4: Extreme Heat*
 - APS partnership
- *Intersection of "Low Emissions & Climate Action" and ...*
 - There are lots of intersections between energy & the following!
 - "Nature-Based"
 - Environmental impact of water management
 - "Equitable Community"
 - EV charging infrastructure
 - Access to RE for all / building placement
 - "Resiliency"

From: McNeilly, Lisa <LMcNeilly@Scottsdaleaz.gov>
Sent: Tuesday, November 29, 2022 9:57 AM
To: Bonugli, Celina <Celina.Bonugli@aps.com>
Cc: Tillinghast, Judson <Judson.Tillinghast@aps.com>; Noll, Sarah <Sarah.Noll@aps.com>
Subject: RE: Scottsdale Sustainability Plan

CAUTION

CAUTION

CAUTION

This e-mail is from an **EXTERNAL** address (LMcNeilly@scottsdaleaz.gov). **DO NOT** click on links or open attachments unless you trust the sender and know the content is safe. If you suspect this message to be phishing, please report it to the APS Cyber Defense Center at ACDC@aps.com.

Thank you, Celina. I'm available on either Monday, 12/5, at 1 or 4 PM MST or Tuesday, 12/6, at 12. Hope one of these times work.

Lisa

Lisa McNeilly
Sustainability Director
City of Scottsdale
lmcneilly@scottsdaleaz.gov
(480) 312-2831



From: Celina.Bonugli@aps.com <Celina.Bonugli@aps.com>
Sent: Tuesday, November 29, 2022 9:30 AM
To: McNeilly, Lisa <LMcNeilly@Scottsdaleaz.gov>
Cc: Judson.Tillinghast@aps.com; Sarah.Noll@aps.com
Subject: RE: Scottsdale Sustainability Plan

⚠ External Email: Please use caution if opening links or attachments!

Hi Lisa,

From: notifications@cognitoforms.com on behalf of [City of Scottsdale](#)
To: [McNeilly, Lisa](#)
Subject: Sustainability Plan Comment - KatDjordjevic
Date: Tuesday, December 13, 2022 12:27:06 PM

External Email: Please use caution if opening links or attachments!

Entry Details

NAME	Kat Djordjevic
EMAIL	katarinadjordjevic@gmail.com
COMMENTS	<p>Scottsdale Sustainability Plan (Draft) comments</p> <p>Page 1: A better image should be included. Currently in view are flat rooftops which do not have solar. That sends the wrong message when starting off the sustainability plan, no?</p> <p>Page 2, para 1: What kind of “stewardships” has scottsdale championed in the past? 1 example is enough, I think. Quote of “overall quality of the natural environment...” should be cited.</p> <p>Page 2, para 2 references “achieving ambitious targets”. I want to see targets throughout the document. Or, I should expect to. Targets are only mentioned on a couple of points, but nothing concrete. A KPI should have a goal, not only identifying what is measured.</p> <p>Page 2, para 4 references “scottsdale has demonstrated numerous times that it can find...” like what? Give 1 example.</p> <p>Page 3, para 2 references events and outreach that was conducted. Personally, I’ve not heard a thing. All residents pay water to Scottsdale. Why not include a 1 page PDF or print out of key events, outreach opportunities, etc? I would have loved to know more about the plan and all the work underway before the 25th hour. I am certain that those working on the initiative (volunteers with hopefully little bias) would have appreciated the extra shoulders to</p>

bear the responsibility.

Page 3, para 3 references water shortages and reduction and composting. Was water storage considered? We get enough rain in 1 storm to support all of our water needs for landscape/gardening, etc. Encourage residents (through grants or some perks) to harvest water. What about curb cutting or curb boaring? I can't tell you how many times my neighbor overwater their sidewalk and that water goes straight to waste, when I can divert some of it into my natural water basin, which will grow and provide shade covering for my home and sidewalks. When discussing composting, was there a consideration to give back the alley to homeowners so they can create compost bins and stations? We no longer have trash service and rather than having transient walkers in the alley, I would much rather house a compost bin system for myself and my neighbors. What about converting open space into community gardens? Tonelea has sat empty for years now and I don't know what happened to phx rising, but there was a lot of support for a community garden and more community involvement in that space rather than for-profit private clubs. It still sits empty.

Page 4, para 4 should put in quote "in scottsdale".

Page 4, para 4 references data collection from '98-'05... I'm not sure what this is talking about. Are we using 98-05 data to create this plan? Are you know, Scottsdale has boomed since then and I don't know if it's totally relevant to use data from that old.

Page 7, In scottsdale: this reads like scottsdale is contributing to emissions from burning fossil fuels. We don't have oil rigs and mines in scottsdale, right?

Page 7, climate planning #1: is this where scottsdale will set yearly reduction goals, like net zero by x years for all city operations? Or something like that? It talks about sector-specific, which means businesses will have a responsibility, residents will, etc? Unless a flat and empty rooftop is required for emergency services (like helicopters at hospitals), I believe all commercial roofs should be required to

have solar by X date. Climate planning #2: I'm not sure what a reliance plan is and why it's specifically called out for south scottsdale. Page 7, related actions: why are we still building more gas stations? And with each gas station built, there are no spots for electric charging. This should be a requirement. For every X # of pumps, there should be Y # of charging stations. Electric vehicle owners spend more time charging, and will spend more \$ at the convenient store. This will also give travelers a reason to go inwards from historically "right off exit" type of charging stations. For open space and land management: I'd like to see some of that go back to home owners. As an example, if owners want to gain back the alley, after abandonment from trash, they must house compost stations, take a class on how to compost and others. This sounds like a lot of work, but there were thousands of people that joined the SRP tree shade program and required training so it's doable for those that want to, and most of the new participants are from word of mouth marketing from a neighbor or friend doing it the prior year.

Page 8, in scottsdale: I don't think the issue is with energy star appliances, rather building quality. If you still have an appliance that is not energy star rated, it will soon be on its way out and the only option is to buy a new machine that is energy star rated. That's not the issue. The issue is the quality of building. Take a look at the older buildings we have in scottsdale, and some that are even part of the "historic preservation", where it's preferred to have single pane windows and frowned upon to cover and insulate the block walls. Even with high efficiency appliances, I am battling old infrastructure that is more costly to retrofit, and in some cases not allowed.

Page 8, energy #1: how are you going to incentivize homeowners? We spent 500k toward building a passive standard ADU, and someone from the city asked if we used any grants, to which we said what grants? There is no education. There was also not a response on what grants or incentives were available.

Page 8, energy #2: I fully support city buildings

moving towards sustainable measures. As we 'smart' up the city, we should also host data on utility usage on those buildings. The city of Albuquerque does this and even companies (my previous employer) has a live stream of emissions from their factory, to show residents that the emissions are only steam and they can be seen from anyone at any time. Be as transparent with residents and others as possible. It's also a good way to see where you have a leak or something is off track (through a spike up or down in usage).

Page 10, in scottsdale: I don't think we should be encouraging the use of animals as transportation. It's inhumane and we are no longer living in a western movie.

Page 10, TAP goals: Phoenix has piloted a white pavement type of paint on several neighborhoods. Have you communicated with them on how that's going? I'd love to volunteer my street to do something similar. I've never heard of the gold-level bike friendly community designation. A general lack of education is what is preventing some of these programs from being more mainstream. I would love to use the bike lane on 68th street, but it's a mini highway and insufficient space to safely use. We tend to see cyclists on the walkway, which is for walking (pedestrians).

Page 10, strategy and action: bicycle is me and my family's 2nd car. We rely on safe and accessible pathways. In certain neighborhoods you have an HOA (home specific), you have a neighborhood watch program (safety specific), but nothing about transportation or bicycling. Let's change that! The more people we get on the street, the more the issue and need for safety is going to be. Today only certain people experience and truly understand the challenges presented to us by our current cycling paths. We will find that the need for smaller and more localized grocery stores will be needed. Smaller and more localized schools will be needed. Think of how the dutch or Finnish do it... there are more bicycles than residents. Each block has a small school and a grocery store at the bottom of the building. We have similar massive housing constructs, yet nothing on the first floor except for a leasing

office and empty space. How bleak. Let's change that up. Mobility is a big topic to me... more can afford a bicycle than a car, so we should plan for that first and think about the car second. Is mobility #3 saying that we have lanes that are only allowed to be ridden by buses or light rails? If so, I'm fully onboard. This is a common thing we see in Europe. Personally, I've never ridden the bus in Scottsdale because it's unreliable (time wise) and not permanent. A fixed train or mode of transportation is a commitment to long term transportation.

Page 11, related actions: we should require gas stations to have electric charging stations. We should require multi-home residents, condos, apartments, etc, to a ratio where for each X # of units, Y # of required commercial space for groceries, services, etc is part of the building plans.

Page 12: strategy and actions: I've never been notified by the city of ozone days, only the county and only through signs on the highway (which means I was out driving anyways and too late to plan differently). Are we still allowing residents to install grass? City of Scottsdale will pay me to remove grass from my property. The historic preservation will pay me the same amount to install grass on my property. Stop sending me mixed signals! I fully support the rest of the actions. I would also encourage that bicycle helmets are required to use bicycles. If I fall and hit my head, who is liable for that if I'm renting a transportation device from the city? Safety should be #1.

Page 13: What about water quality? Have you ever heard someone say "oh the water in Arizona is so tasty!"? I would encourage AZ to take a California approach here. If someone wants to have grass, there should be a monthly fee for that. If someone wants to have a pool, another monthly fee. We should also put guidance in place for reasonable water usage. If I have a 2,000 sq/ft home, what is reasonable usage? What is excessive? Can we incentivize residents, or gamify it, so residents want to use less, unlock the next achievement and know what good looks like? Today I receive my bill and I pay it, but I don't

know if I'm using too much, less than average, or even what the max is. Is there a max? Should there be one? I think so. Like I said in a previous comment, water storage from rainfall should be a priority as it's free and can support all of my non-potable usage.

Page 15, in scottsdale: I know the McDowell preserve is a big win for scottsdale, but it's far from a majority of residents. In a previous comment, more people can afford a bicycle than a new car, so we should encourage more pockets of open spaces among our communities. I support planting native trees and plants, but I was highly disturbed to see the cross-cut canal totally stripped away of the vegetation on the east side of the bank. There used to be so much life and cohabitation of animals along the canal which is completely gone. You can do good by also doing good and not damaging or disturbing the environment around. There's a lot of focus and discussion on the McDowell preserve and I fully support it, but it can't be the only good thing we do.

Page 17, in scottsdale: we should also look into Resin8. They take all types of plastic and convert it into usable construction material (block, concrete, other). Recycling has largely been a massive greenwashing campaign with no standards in place at the city, country, state or country level. Diverting our plastic (all types) to sustainable products is something we should do more of and even require a certain % of construction material to be built that way.

Page 17, strategy and actions: the Netherlands does affordable very well and in a way that does not shame residents or creates ghettos of low-income constructs. Instead, they require that a certain percentage of units must be open to low-income housing. They live among us! It also creates an environment of empathy, gives people the opportunity to network and gain resources that they normally would not have had they been pushed to a single building with other low-income residents. Not everyone sees high income as the definition of a happy and healthy life. Low-income doesn't have to mean out of means.

Page 18: I think Scottsdale does a great job of character and art and supports the further

development of art in our daily lives.

Page 19: Local first is a scam and hands out awards to those that pay. This isn't a marker for thoughtful impact. For retail, we should incentivize business owners to use renewable and sustainable products they make or sell. Provide them with a tax break, money back or other type of rewards. In Finland, art and education products are dirt cheap to the consumer. The government subsidizes a lot of that for the business owner. Similar should be done for art, for using paper or no bags, encouraging or requiring the usage of solar, reduction in water usage, elimination or reduction of trash bins, and more. In Japan, you will have a hard time finding a trash can out in public. You won't even see it near or at the subway stations. If you are creating trash, you have to bring it home. Take a look at the folks that attended the World Cup, they cleaned up after themselves and cleaned up the whole aisle as well. If we create an environment where you're responsible for your emissions, be it trash or whatever, we will be more conscious of that output and take personal responsibility in reducing it. Economic Vitality is the shortest section in the plan. This needs more work, more partnership with thoughtful companies and more resident outreach. 18,000 businesses... Why don't we have 18,000 comments in this section?

Page 20: In HS I had a typing class. Typing... which quietly became obsolete because we all learned how to LOL through AIM and kids these days are beyond that. Sustainability, environment studies and other similar subjects should become an extracurricular class in school and eventually mandatory. Students should learn about carbon counting, water collection and conservation, and sustainable practices. Gen Z is already responding to businesses without CSR reports, Impact reports or sustainable products by simply not buying them or supporting the company. They learned all of this through YouTube and TikTok and it's time we put something into the graduation requirements so they have a good foundation to start adulthood into.

Page 21: take a look at Brad Lancaster, who is

a pioneer in the excessive heat space. He completely transformed his neighborhood in Tucson and the comparison of what it looked like to what it currently is, is one we should use as a model. The more trees and vegetation we put in, the less resources we will need, the more permeable our soil is, the less energy and utilization we will require and we are truly able to transform our space. Everyone in Scottsdale has this responsibility and the city/state should encourage everyone to take action.

Page 23, strategy and actions: I am very interested in learning more about the stormwater harvesting ordinance. I mentioned previously curb boarding/cutting, rainwater harvesting, etc, all which are free and can sustain all of my needs from 1 storm. Repair and replacement programs should supersede whatever nonsense is laid out in the "historic preservation".

Page 26-28: I've provided comments above that touch on waste and composting, and food systems closer to residential areas.

Overall comments: Overall, I would encourage a yearly publication of improvements and updates since the last report or update.

Corporations provide an annual Impact or CSR report which discusses their goals (like 50% carbon reduction by 2025) and every year documents their actual progress against their goal. If they are short, they say why and what they will do about it. Their customers and investors are relying on that transparency to retain market cap, strengthen brand loyalty, among others. Scottsdale should see itself as similar, investors being new businesses and new residents and customers being current residents and business owners. Tell us what you are going to do, tell us how you're going to do it, communicate with us how it went and what will be done differently, if short and if ahead of schedule, challenge yourself to go farther.

Thank you for reading my comments, however raw and unstructured they are.

YES, I WOULD LIKE TO BE EMAILED ABOUT UPCOMING EVENTS. Yes

From: [A. McMahon](#)
To: [McNeilly, Lisa](#)
Subject: Sustainability Plan
Date: Wednesday, December 28, 2022 7:22:51 PM
Attachments: [Pathway #4.pdf](#)

External Email: Please use caution if opening links or attachments!

Dear Lisa,

Please find attached comments to Pathway #4 of the draft Sustainability Plan.

If you have questions about what any of the comments mean or want to discuss for any reason, feel free to call or write. Thank you.

Happy New Year!

Alisa McMahon
480.488.0288

Extreme Heat & Hazard Preparedness

Ensure that the community prevents, is prepared for, responds to, and recovers from natural hazards that can diminish quality of life or impact the environment.

In Scottsdale 2. edits to paragraph

Scottsdale actively prepares for natural hazards including extreme heat, flooding, drought, and wildfire. These emergencies are estimated to become more severe and frequent as the climate continues to warm. The city of Scottsdale's Emergency Manager oversees the city's preparation for disasters and emergencies and coordinates large-scale emergency responses. For one important area of preparedness - extreme heat - the city is focusing additional resources to address the far-reaching impacts on our community's health, infrastructure, environment and economic well-being. In 2020, Scottsdale partnered with Arizona State University to assess patterns of urban heat in the city Scottsdale, and the [Identifying Strategies for a Cooler Scottsdale](#) study will provide a framework for the planned heat mitigation and management efforts.

Strategy and Actions 3. see attached notes re: H & H #1 actions

Heat & Hazard #1 Reduce urban heat impacts 4. "Plan"

1. Finalize Heat Mitigation Plan and Shade/Tree plans; implement priority strategies
2. Increase tree canopy and building-integrated and free-standing shade structures
3. Reduce the area of exposed dark asphalt, dark roofs, and other hot surfaces
4. Review parking and other related requirements
5. Require all new multi-family residential and commercial buildings to have cool roofs and promote cool infrastructure technologies; promote cool roofs for single-family homes
6. Inventory Scottsdale's trees and increase tree planting especially in underserved or older neighborhoods; evaluate a 'matching tree' initiative
7. Implement an urban forestry program to balance shade and water use and to ensure maintenance of trees (especially in city parks) 5. ", including in city parks"
8. Create a tree ordinance for proper maintenance and replacement near commercial and multi-family buildings
9. Require shading for 50% of site hardscape and minimize turf areas on new commercial and multifamily developments
10. Develop partnerships with local utilities for weatherization and tree planting programs
11. Seek additional funding for weatherization and air conditioning repair/replacement for low-income households. 6.

Heat & Hazard #2 Ensure public safety with integrated emergency management planning

1. Create an Emergency Management Plan & Program
2. Work with regional entities, hospitals, faith-based organizations, schools, community groups, and large employers to ensure continuity of operations 7. "regional entities" is vague
3. Provide education, emergency preparedness, and response training at the neighborhood level
4. Increase the number of cooling centers and awareness of locations

Sustainability Indicators

- % neighborhoods with increased tree canopy 8a. "increased and decreased" for net result
- # of new trees planted or replaced 8b. quantify "increased" and "decreased"
- # and \$ damage of disasters occurring by category/type

9a. "planted/replaced and lost/removed" for net result
 9b. on public property only?

Extreme Heat & Hazard Preparedness (additional notes)

Heat & Hazard #1 Action numbers:

1. I believe these are two separate plans. If so, separate into two actions to facilitate independent tracking and responsible party identification.
4. "other related requirements" is vague
- 5a. Define "cool infrastructure technologies" in Glossary.
- 5b. If "cool infrastructure technologies" does not relate to buildings (for example, if it's about cool pavement), make it a separate item.
- 5c. The multifamily and commercial cool roof requirement has been achieved. Single-family cool roofs are now required within certain parameters, so that portion may be considered achieved as well.
- 9a. Separate shading and turf into two actions to facilitate independent tracking and responsible party identification.
- 9b. In new multifamily and commercial construction, the requirement for 50% site hardscape shading has been achieved to some extent. (The IgCC provides for alternatives to shade.) This action could be amended to address hardscape shading in *existing* multifamily and commercial development as well.
- 9c. Under the IgCC, in new multifamily and commercial construction, turfgrass sprinklers are prohibited on landscape areas having any dimension less than 8 feet. This action could be amended to prohibit all non-functional turf in new development. Such an action might be better located in Water Resources or Built Environment & Housing.
10. Separate the weatherization and tree planting programs into two actions to facilitate independent tracking and responsible party identification. (Developing partnerships for tree planting could be included in Action #6.)
12. Add new action: "Amend planning documents and zoning ordinances to ensure that the size and needs of mature shade trees are accommodated in new development"
Note: This action would work in concert with Action #8, but the first step is ensuring, in the planning and approval phases, adequate space (above and below ground) for mature trees.

Related Actions

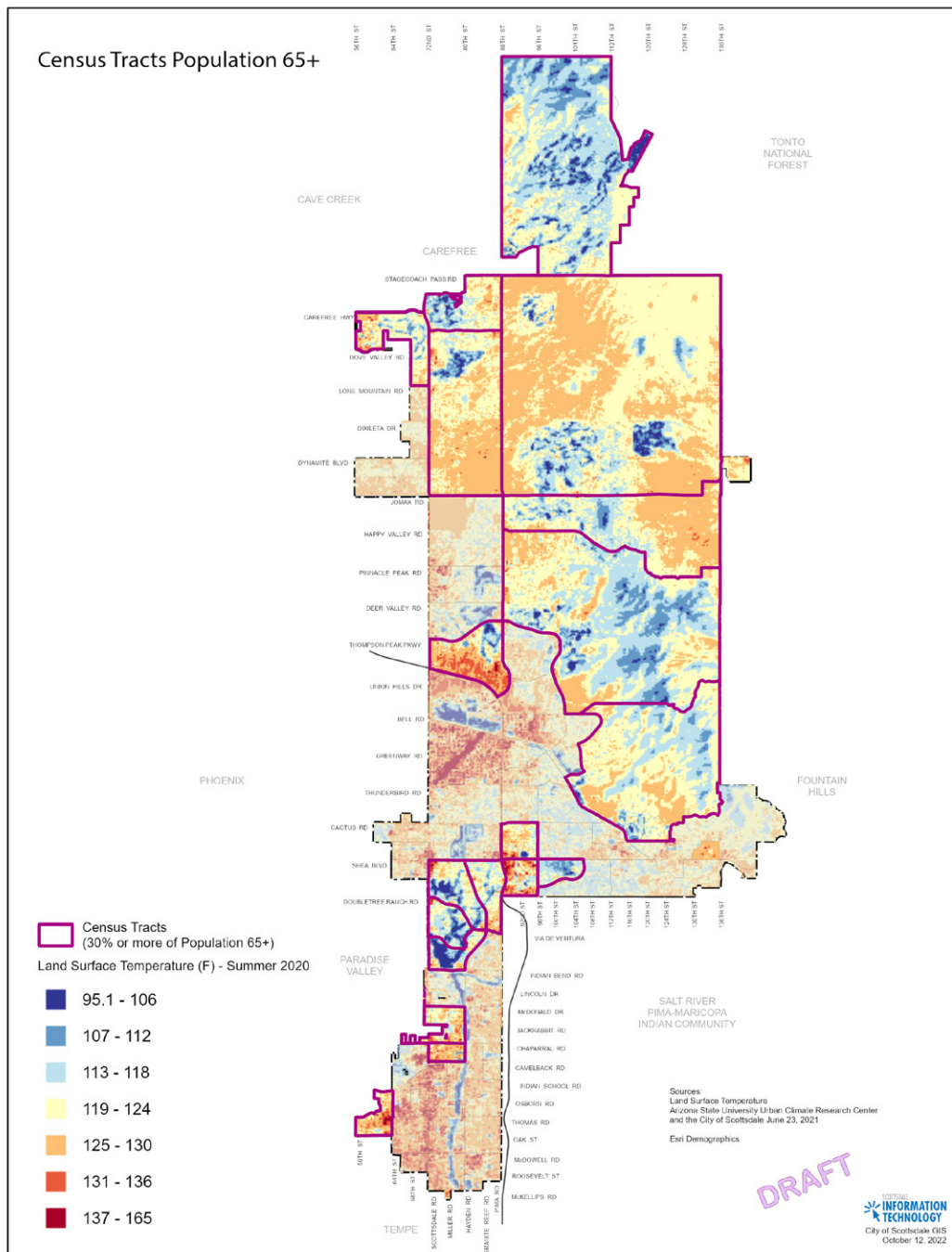
Low Emissions	Climate Planning: framework for emissions reduction and adaptation
Nature Based	Water Resources: connection between water use and tree canopy
Equitable Community	Community Services: additional supportive programs
Resiliency	Built Environment: how buildings support preparedness

Connection to General Plan

Both the Environmental Planning and Safety Elements provide guidance for this topic:

Goal EP 7 Identify and reduce heat islands.

Goal S 2 Prepare for disasters and emergencies.



Built Environment & Housing

Integrate resource-efficient, sustainable practices in buildings and infrastructure and provide housing options that minimize resource use and address affordability.

In Scottsdale 2. edits to two paragraphs

1. "lifecycle"

People spend most of their times indoors so the features of buildings can significantly impact finances, health, and safety, and comfort. Energy use in buildings is a major contributor to climate change and can impact whether occupants can afford to cool their home. Scottsdale's Green Building Program encourages a whole-systems approach through design and building techniques to minimize environmental impact and reduce the energy consumption of buildings while contributing to ~~the health of its occupants.~~

"occupant health."

The Scottsdale Community Assistance Office oversees Community Development Block Grant (CDBG) funds that improve the livability of homes with fair access to resources through the Housing Rehabilitation Programs. The Housing Rehabilitation Programs remodel older homes to become more energy efficient and make repairs for the health and safety of low-and-moderate income residents. In addition, CDBG funds are directed towards public improvements that are beneficial to entire neighborhoods including repaving older roads and adding ADA curbs, replacing playgrounds, and the demolition and reconstruction of inoperable bathrooms in a community park. In FY2019/2020, there were 71 City of Scottsdale Community Assistance Office home rehabilitations.

Strategy and Actions 3. see attached notes re: BE #1

Built Environment #1 Reduce impacts of the built environment by instituting sustainable building practices and policies

1. Implement a green retrofit and cool roof program for existing buildings
2. Require new construction and remodels install solar systems or be 'solar ready'
3. Establish mandatory green building standards, including for use of sustainable materials
4. Strengthen enforcement of all building-related codes 4.
5. Continue LEED Gold Council Resolution for new civic structures
6. Encourage development where existing infrastructure capacity is available
7. Require/encourage site development strategies that incorporate green infrastructure, low impact development, and stormwater harvesting 5.
8. Adopt and implement the latest energy and green construction codes for residential and commercial buildings
9. Establish a stormwater harvesting ordinance

Housing #1 Ensure benefits of greener buildings support the preservation and creation of high-quality, safe, and affordable housing

1. Coordinate workforce housing locations with adjacent transit routes, bike lanes, bike routes, and shared use paths
2. Develop a fund for construction of new affordable housing stock
3. Incentivize retrofits of older homes with energy efficient technology
4. Ensure that sensitive-design, low-water, and energy use strategies are applied equitably
5. Refresh guidelines for Green Housing Rehabilitation Program and seek additional funding
6. Develop sustainability guidance for repair and replacement programs

6. "low-"

Built Environment & Housing (additional notes)

Built Environment #1 Strategy:

"Reduce impacts of the built environment by instituting and expanding sustainable building practices and policies"

Reason: Many of the listed actions have already been instituted.

Built Environment #1 Action numbers:

- 2a. "Require new construction and remodels to install solar systems or be 'solar ready'"
- 2b. But really this action should be updated to take it to the next level. Solar Ready is already required. Solar installation (or its equivalent energy savings) is required in some cases. Expand from there.

3. Update in light of recent code adoption to take it to the next level. For example: "Expand and strengthen mandatory green building code requirements"

6. "Encourage development to locate where existing infrastructure capacity is available"
Reason: It's not that we want to encourage development per se, but rather that we want to encourage it *to locate* where existing infrastructure capacity is available.

10. add new action:
"Adopt climate-specific building code amendments that go beyond minimum model codes to conserve water, reduce energy consumption, increase resiliency, lower greenhouse gas emissions, decrease operating costs, and increase occupant thermal comfort and health"
OR
"Adopt climate-specific building code amendments that go beyond minimum model codes"

11. add new action:
"Prohibit non-functional turf in new development"

Sustainability Indicators

- # of green building permits
- # of LEED certified buildings
- # of annual acre-feet of stormwater harvesting
- # of homes retrofitted by Human Services programs
- % of households that pay for more than 30% of their income on housing

7. this should be specific to sustainability-related retrofits

8.

Related Actions

Low Emissions	Energy: other efficiency programs
Nature Based	Water Resources: other water conservation programs
Equitable Community	Character: connections to character planning
Resiliency	Extreme Heat & Hazard Preparedness: additional infrastructure actions Smart City: building automation controls
Circular Systems	Waste: actions that increase diversion of waste in buildings

9. change to: "Waste As A Resource"

Connection to General Plan

Goals and policies related to buildings, housing, and infrastructure are in multiple elements, with several directed at increasing sustainability and reducing utility use and cost:

Goal CONSV 1 Achieve a sustainable balance between the conservation of natural resources and development of the built environment.

Policy EP 2.4 Expand Scottsdale’s Green Building Program to maintain regional and national leadership in green and low-impact development.

Goal PB 2 Design, construct, rehabilitate and renovate public buildings to demonstrate Scottsdale’s Sonoran Desert context, promote excellence in architectural design, and showcase the city’s leadership in environmental sustainability.

Goal H 1 Support diverse, safe, resource-efficient, and high-quality housing options.

10. Additional, but not a complete list:

- Policy EP 5.2
- Policy CONSV 1.4
- Policy CONSV 4.7
- Policy E 3.4
- Policy CRR 2.5
- Policy GA 4.1
- Goal PB 2

Smart City

Integrate smart technologies for a safer and more efficient city.

In Scottsdale

“, more sustainable”

Scottsdale’s Smart City initiative is focused on combining traditional infrastructure such as roads and buildings, with technology to enrich people’s lives. The initiative strives to engage with people in our community about the use of smart city solutions to solve community challenges, improve the quality of life and enhance interactions with the city. The Scottsdale Smart City Strategic Roadmap was accepted by the City Council in April 2021 and is being implemented by an inter-department team of city staff. Scottsdale tells the story of Scottsdale’s smart city journey, provides updates on upcoming and ongoing efforts and offers ways for residents, businesses and community members to get involved. Scottsdale’s departments have a number of smart city solutions already in place, including Community Services, Fire, Police, Public Works, and Water. These solutions help the city do such things as manage traffic flow throughout the city; monitor crime response in real time; control facilities, lighting, and irrigation controllers remotely; and help customers monitor their water usage.

“remotely”

Strategy and Actions

“Scottsdale tells the story of Scottsdale’s” sounds odd.

Smart City #1 Improve community livability and city operations by combining smart technologies with traditional infrastructure

1. Continue implementation of the Smart Cities Strategic Roadmap by conducting projects to solve problems using smart city solutions
2. Involve the community in smart cities projects, including those planned for the SkySong area relating to sustainability, public safety and economic development, and for Old Town Scottsdale regarding wayfinding and sound mitigation
3. Explore emerging smart technologies (such as lighting, water, sensors, GIS) and integrate cost-effective solutions to optimize existing infrastructure

what type of sensors?

Sustainability Indicators

- # of smart technologies adopted

Related Actions

Low Emissions	Energy: importance of technology in reducing energy use
Resiliency	Built Environment: building automation controls

From: [A. McMahon](#)
To: [McNeilly, Lisa](#)
Subject: Sustainability Plan
Date: Friday, December 30, 2022 8:59:22 AM
Attachments: [Pathway #2.pdf](#)
[general notes.pdf](#)

External Email: Please use caution if opening links or attachments!

Lisa,

Thank you so much for letting me know the status. Since the invitation for input is still "up" on the webpage, I presumed input is still being accepted.

I fully intended to finish up my comments sooner, but was derailed by our building code adoption as well as the 2024 IECC development process. I made a final pass through Pathway #2 late last night. It is attached. Only Pathway #1 remains. The end of year and beginning of year is super busy in eyecare and the 2024 IECC-Residential subcommittee meetings resume next week. I will get Pathway #1 notes to you ASAP.

I understand that due to changes made, some of my comments are obsolete. Unless you want to share a more recent Pathway #1 with me, I'll proceed with what I have.

Also attached are General Notes I was jotting down along the way. I hope many are obsolete by now!

Wishing you a healthy New Year!

Alisa

From: "McNeilly, Lisa" <LMcNeilly@Scottsdaleaz.gov>
Date: Thursday, December 29, 2022 at 8:49 AM
To: "A. McMahon" <mcmahon.a@cox.net>
Subject: RE: Sustainability Plan

Alisa,

Happy holidays and thank you for all of your feedback on the plan. The plan is currently with the graphic designer (and has been for several days), so it's likely that I won't be able to incorporate all of these comments. Also, given the other changes that have been made in response to other community member feedback, some of your suggestions may not longer

be workable.

Best,
Lisa

Lisa McNeilly
Sustainability Director
City of Scottsdale
lmcneilly@scottsdaleaz.gov
(480) 312-2831



From: A. McMahon <mcmahon.a@cox.net>
Sent: Wednesday, December 28, 2022 7:22 PM
To: McNeilly, Lisa <LMcNeilly@Scottsdaleaz.gov>
Subject: Sustainability Plan

Dear Lisa,

Please find attached comments to Pathway #4 of the draft Sustainability Plan.

If you have questions about what any of the comments mean or want to discuss for any reason, feel free to call or write. Thank you.

Happy New Year!

Alisa McMahon
480.488.0288

Water Resources

Conserve, protect, and deliver quality drinking water safely and reliably to the community, now and into the future.

In Scottsdale

“the”

The over-allocation of Colorado River water supplies and the twin trends of a hotter and drier climate make protecting water resources an urgent task. Scottsdale has excelled at proactive long-range planning to ensure safe and adequate water supplies and goes beyond the best management practices from the state on water conservation efforts. Scottsdale Water’s vision is to achieve water sustainability through stewardship, innovation, and people. The city’s Integrated Water Resources Master Plan was recently updated to reflect changes due to increasing stresses on the Colorado River, new population, demand, and flow projections, and the impacts of the pandemic. The Drought Management Plan has been activated, with steps taken to reduce water consumption by 5% and to minimize over-seeding. The Strategic Plan (2019-2024) goals include doubling the potable water recharge capacities by 2024 and implementing a real-time customer interface by 2023. Scottsdale Water has set a standard to reduce the carbon footprint and increase power source redundancy through increased use of alternative energy sources. Scottsdale utilizes 100 percent of its reclaimed water for direct, non-potable reuse or recharge.

“Scottsdale Water”

see notes attached

Strategy and Actions

Water #1 Ensure water system resiliency

1. Achieve 100% automated metering water infrastructure across the city
2. Incentivize WaterSmart Portal Participation and notification signups
3. Remove non-functional/non-recreational turf at city facilities
4. Incentivize turf removal and improvements to irrigation equipment
5. Retrofit all municipal irrigation systems to smart controllers
6. Support low impact development site planning, building design, and streetscapes
7. Increase number and reach of community engagement activities
8. Expand water conservation programs in concert with the Drought Management and Water Master Plans

is this the Integrated Water Resources Master Plan?

Sustainability Indicators

- Total water use and total residential daily use separate into two indicators for tracking purposes
- Square feet of turf removed
- # of customers registered on WaterSmart
- # of water meters converted to Automatic Meter Infrastructure
- # of HOAs participating in conservation program and Residential Outdoor Water Efficiency Checks
- # of customers engaged “customers engaged” is too vague
- Gallons of reclaimed water used for irrigation purposes
- Gallons of groundwater treated

clarify: water put into the ground (after treatment) or water pulled out of the ground (before treatment)?

- a. separate into two indicators for tracking purposes
- b. I believe the Residential Outdoor Water Efficiency Check is a single-family residential service, not an HOA service.

see additional notes attached re: Actions and Indicators

Water Resources (additional notes)

In Scottsdale:

should this be:

". . . due to increasing stresses on the Colorado River, new population, demand, and flow projections, and the impacts of the pandemic." *OR*

". . . due to increasing stresses on the Colorado River, new population, demand, ~~and~~ flow projections, and the impacts of the pandemic."

ADD Actions:

9. "Ban non-functional turf in existing commercial and multifamily development"

Define "non-functional turf" in the Glossary.¹

Note: On October 28, 2022, Scottsdale Water signed on to a Memorandum of Understanding that commits the City to several actions including:

Introduce a program to reduce the quantity of non-functional turf grass by 30% through replacement with drought- and climate-resilient landscaping, while maintaining vital urban landscapes and tree canopies that benefit our communities, wildlife, and the environment.

10. "Create a comprehensive submetering ordinance for commercial and multifamily development."
11. "Explore and implement strategies to reduce water use in pools, spas and fountains."
12. "Investigate water use efficiency measures for medical and laboratory facilities and other specialized high-water use commercial operations."
Note: See 2021 IgCC 601.3.2.6
13. There are **no actions** related to the mentioned "standard to reduce the carbon footprint and increase power source redundancy through increased use of alternative energy sources." The Water Campus is the City's largest energy consumer. The arrangement the City entered into some years ago to receive a fraction of hydroelectric power from Hoover Dam may have come to an end, or if not, soon could as power generation continues to drop along with the level of Lake Mead. The 2016 plan to install a 2.3 megawatt PV system with battery storage at the Water Campus did not come to fruition. The system would have replaced approximately 10% of Water Campus power use and the battery storage would have controlled power demand spikes and reduced demand charges. ***Actions related to increased use of alternative energy sources would be most welcome.***

ADD Sustainability Indicators:

- "# of HOA, multifamily and commercial customers able to participate in real-time customer interface"
- "# of HOA, multifamily and commercial customers participating in real-time customer interface"
- one or more indicators re: use of alternative energy sources in Scottsdale Water operations

¹ There are several definitions of non-functional turf at <https://www.snwa.com/importance-of-conservation/understand-laws-ordinances/index.html>. One of the more general definitions is found under "Frequently asked questions" at "What is nonfunctional turf/useless grass?"

Related Actions

Nature-based	Open Space: protecting and improving watersheds
Equitable Community	Education & Lifelong Learning: outreach on water conservation
Resiliency	Built Environment & Housing: reducing water use in buildings and connection between affordable housing and cost of water Extreme Heat & Hazard Preparedness: connection between water use, tree canopy, and wildfire mitigation

Connection to General Plan

, Environmental Planning

Goals in both the Water Resources and Conservation Elements highlight the importance of water to Scottsdale, especially:

Goal WR 1 Ensure renewable, long-term water supplies for the community.

Goal WR 2 Plan, prepare for, and adapt to significant climatic impacts on the water supply, such as short-term and extended drought.

Goal CONSV 4 Conserve water and encourage the reuse of wastewater.

add: Goal EP 8 Plan, prepare, and adapt for significant climate impacts on city infrastructure and operations.

Open Space & Land Management

Create, protect, and expand vibrant, safe, and accessible open spaces and boost land use patterns that conserve resources.

In Scottsdale

Currently, 37% of Scottsdale is open space (public and private including the McDowell Sonoran Preserve). Meaningful desert open space – whether actively or passively managed – is a fundamental part of Scottsdale’s character and is created and maintained with the support of our residents and for the benefit of the environment. Through land management policy including the Environmentally Sensitive Lands Overlay District (ESL), the city uses zoning and other requirements to guide development in its desert and mountain areas. The ESL ordinance requires that a percentage of each property be permanently preserved as Natural Area Open Space (NAOS) and that specific environmental features be protected from inappropriate development. Character Area Plans, like those for Desert Foothills and Dynamite Foothills, support these same goals. The city also manages developed open spaces, like the Indian Bend Wash Greenbelt and other parks. An equitable distribution of these open spaces and parks can help all residents benefit from access and connection to nature.

“can”

“ensures”

Strategy and Actions

what does “expand management” mean?

Open Space #1 Expand management of open space and improve access

1. Encourage connectivity of natural area open spaces, scenic corridors, developed open spaces, and open drainage easements
2. Update Community Services master plan goals related to parks, open spaces, and proximity for households
3. Identify long term maintenance funding

“their”

“to”

Open Space #2 Support practices that preserve the Sonoran desert ecosystem

1. Develop plans to reduce invasive species and increase awareness of best management practices for invasive species management and connection to wildfire concerns
2. Support Native Plant Ordinance and its enforcement
3. Develop guidelines on the use of non-chemical and less-toxic pest management strategies
4. Develop sustainability-aligned Design Guidelines, supporting native ecosystems and desert biodiversity
5. Maintain tree inventory and encourage thoughtful planning relative to low water tree planting

Sustainability Indicators

see additional notes attached re: Actions and Indicators

- # of miles of bike lanes, bike routes, neighborhood bikeways, shared use paved paths, and unpaved trails
- Distribution of open space
- Native plant salvage and restoration and invasive species removal

Related Actions

Low Emissions	Mobility: relationship between transportation and land use
Resiliency	Extreme Heat & Hazard Preparedness: how the city will increase the number and health of trees

Open Space & Land Management additional notes

Open Space #2 Actions:

1. Split Action 1 into two actions for independent tracking and responsible party assignment:

Develop plans to reduce invasive species in the McDowell Sonoran Preserve and other public lands

Increase awareness of the connection between invasive species and wildfire and of best management practices for invasive species

ADD Actions:

- "6. Protect wildlife corridors within and near the McDowell Sonoran Preserve, especially the gooseneck and across Dynamite/Rio Verde"
- "7. Follow Land Use policies that avoid conflict with the McDowell Sonoran Preserve"

Sustainability Indicators notes:

- "# of miles of bike lanes, bike routes, neighborhood bikeways, shared use paved paths, and unpaved trails"
 - a. Delete; redundant with Mobility indicator.
- "Distribution of open space"
 - a. What does this mean? Equitable distribution?
 - b. How is it measured/quantified?
- "Native plant salvage and restoration and invasive species removal"
 - a. Split into two separate bullets:
 - Native plant salvage and restoration
 - Invasive species removal
 - b. Both need a quantifiable measurement.

This topic needs more Indicators. Has the McDowell Sonoran Preserve Commission reviewed the draft?

Connection to General Plan

Given the importance of open space and land conservation to Scottsdale, work in this area is driven by multiple goals and policies in the Open Space and Land Use elements, as well as those in the Environmental Planning and Conservation elements. Of special note are:

Goal OS 5 Provide developed open space and outdoor opportunities in Scottsdale neighborhoods, giving priority to areas that are most lacking open space.

Goal LU 5 Promote land use patterns that conserve resources, including land, clean air, water, and energy.

Goal CONSV 2 Protect and manage Sonoran Desert biodiversity and native ecosystems.

Goal EP 1 Protect and enhance Scottsdale's human and Sonoran Desert habitats.

General Notes

The topics that have more than one strategy should say "Strategies and Actions."

Some actions are very narrow and specific; others are as broad as General Plan policies. During the General Plan updates, staff would often say: "That's too specific. We'll get specific in the Sustainability Plan." Now the Sustainability Plan is in some ways very general.

Performance measures weaknesses:

- indicators that are not quantified or quantifiable
- indicators that are vague
- no responsible parties
- no time targets

I like many things in "Plan Implementation," but I'm confused as to how that section relates to the implementation of Actions under each Topic.

Throughout the plan, the use of "city" is confusing. To distinguish between City of Scottsdale and the entire city, perhaps use "municipal" for the former and "city" for the latter.

From: [A. McMahon](#)
To: [McNeilly, Lisa](#)
Subject: Sustainability Plan
Date: Thursday, January 5, 2023 5:23:40 PM
Attachments: [Pathway #1.pdf](#)

External Email: Please use caution if opening links or attachments!

Lisa,

I was literally just about to send you my final comments (Pathway #1) when your email came in. If it's too late for you to process the attached comments, I will simply share whatever comments are still applicable during public comment on the next draft. Thank you!

Alisa

From: "McNeilly, Lisa" <LMcNeilly@Scottsdaleaz.gov>
Date: Thursday, January 5, 2023 at 5:06 PM
To: "A. McMahon" <mcmahon.a@cox.net>
Subject: RE: Sustainability Plan

Alisa,

Thank you again for all of your input and for pointing out the oversight in the language on the webpage, which has now been updated to reflect that the comment period is closed. I expect to share draft plan for Council adoption with SEAC (via the public agenda packet) early next week.

Best,
Lisa

Lisa McNeilly
Sustainability Director
City of Scottsdale
lmcneilly@scottsdaleaz.gov
(480) 312-2831



From: A. McMahon <mcmahon.a@cox.net>
Sent: Friday, December 30, 2022 8:59 AM

To: McNeilly, Lisa <LMcNeilly@Scottsdaleaz.gov>

Subject: Sustainability Plan

External Email: Please use caution if opening links or attachments!

Lisa,

Thank you so much for letting me know the status. Since the invitation for input is still "up" on the webpage, I presumed input is still being accepted.

I fully intended to finish up my comments sooner, but was derailed by our building code adoption as well as the 2024 IECC development process. I made a final pass through Pathway #2 late last night. It is attached. Only Pathway #1 remains. The end of year and beginning of year is super busy in eyecare and the 2024 IECC-Residential subcommittee meetings resume next week. I will get Pathway #1 notes to you ASAP.

I understand that due to changes made, some of my comments are obsolete. Unless you want to share a more recent Pathway #1 with me, I'll proceed with what I have.

Also attached are General Notes I was jotting down along the way. I hope many are obsolete by now!

Wishing you a healthy New Year!

Alisa

From: "McNeilly, Lisa" <LMcNeilly@Scottsdaleaz.gov>

Date: Thursday, December 29, 2022 at 8:49 AM

To: "A. McMahan" <mcmahan.a@cox.net>

Subject: RE: Sustainability Plan

Alisa,

Happy holidays and thank you for all of your feedback on the plan. The plan is currently with the graphic designer (and has been for several days), so it's likely that I won't be able to incorporate all of these comments. Also, given the other changes that have been made in response to other community member feedback, some of your suggestions may not longer be workable.

Climate Planning

Develop mitigation and adaptation solutions to climate challenges.

SEE NOTES ATTACHED

In Scottsdale

Emissions from the burning of fossil fuels are increasing global average temperatures and multiplying extreme heat and precipitation and other impacts. Addressing these problems will require a better understanding of the scale and scope of the problem, as well as the areas – like promoting greener buildings and alternate modes of transportation – where Scottsdale has already taken important steps.

Strategy and Actions

Climate Planning #1 Establish framework to reduce climate emissions and impacts

1. Set carbon reduction goals, city-wide and sector-specific
2. Calculate regular emissions inventories, city-wide and for municipal operations

Climate Planning #2 Address adaptation to impacts of climate change

1. Identify vulnerabilities and document updated climate projections
2. Complete a comprehensive climate adaptation plan including a resilience plan for southern Scottsdale
3. Include measures of climate resiliency in project planning
4. Educate the public on impacts of climate change

Sustainability Indicators

- % reduction in greenhouse gas emissions

Related Actions

Low Emissions	Air Quality: adoption of electric vehicles Energy: Net Zero Strategic Energy Plan Mobility: reducing vehicle miles traveled
Nature Based	Open Space & Land Management: nature-based solutions addressing impacts
Resiliency	Built Environment & Housing: additional connections between buildings and climate Extreme Heat & Hazard Preparedness: adaptation to extreme heat

Connection to General Plan

Environmental Planning Element: Goal EP 8 Plan, prepare, and adapt for significant climate impacts on city infrastructure and operations.

Climate Planning notes

"In Scottsdale"

The second sentence effectively says:

We require "a better understanding of . . . the areas – like promoting greener buildings and alternate modes of transportation – where Scottsdale has already taken important steps."
Is that the intended meaning?

Climate Planning #1

Revise action 1 as follows:

"Set carbon reduction goals, city-wide, municipal operations and sector-specific"

Add an action along these lines:

Consider climate change implications in city decision-making
Make climate change implications a standard criterion in city decision-making
Make climate change implications a standard criterion in decision-making regarding city operations

Climate Planning #2

Change strategy to:

"Adapt to impacts of climate change"

Regarding action 3:

What is meant by "project planning"? Make clear.

Regarding action 4:

Instead of educating the public about the *impacts* of climate change, let's inform people what they can *do* to *mitigate* climate change. Change the focus of the action and move it to strategy Climate Planning #1.

Energy

Maximize the use of renewable energy resources and energy efficiency to build resiliency and create economic benefits.

In Scottsdale

Resident and businesses use energy every day for things like computers, appliances, lighting, and cooling. Using less energy to get the same service can yield cleaner air and health benefits, support green jobs and local reinvestment, and generate costs-savings. For example, efficient appliances and equipment reduce the utility bill for the average household by \$500 per year. Taking additional steps to use more clean or renewable energy also protects the environment by reducing the pollutants and greenhouse gases associated with burning fossil fuels. Arizona is ranked 5th in the nation for the total capacity of solar energy, and the city of Scottsdale has installed over 350 kW on municipal buildings and issued close to 8,000 permits for solar photovoltaic systems.

what does "total capacity" mean?

More work needs to be done to understand the most impactful and cost-efficient energy program for Scottsdale, especially for some of the larger energy users. The city has begun to audit its own buildings, adopted progressive building and energy codes, and offers Commercial Solar Guidelines.

Strategy and Actions

Energy #1 Develop a Net-Zero Energy Strategic Plan to accelerate renewable energy installation, expand adoption of energy efficiency practices, and attract investment

1. Reduce per capita energy consumption by 10% relative to 2016 by when?
2. Increase installations of solar energy to 20% of owner-occupied homes by 2030³
3. Work with utilities to promote energy efficiency improvements for existing residential and commercial properties and educate property owners on existing incentives
4. Improve compliance with energy and green construction codes for new buildings, additions, and remodeling
5. Investigate ways to expand battery storage capacity for renewable energy installations

Energy #2 Improve municipal energy performance

1. Employ a city-wide energy management system and track city energy use
2. Dedicate staff resources to "all" ing energy programs
3. Conduct energy audits for 50% of existing of all buildings all municipal buildings, not 50%
4. Expand solar generation on city facilities
5. Continue to convert streetlight systems, park lighting, and other civic lighting to LED technology for energy efficiency and lower maintenance costs
6. Join utility green power programs

Sustainability Indicators

- Total energy use (kWh) –community-wide and municipal operations
- Solar energy installed
- % of households with an energy burden greater than 6%
- # of municipal systems converted to LED lighting

see attached for additional notes re: actions and indicators

² "State Solar Spotlight: Arizona," Solar Energy Industries Association. <https://www.seia.org/sites/default/files/2022-09/Arizona%20State-Factsheet-2022-Q3.pdf> I do not see a reference to footnote 2 above.

³ Baseline is 8.2% in 2021; Source: CDS permit records and US Census 2019 housing estimates (Floyd)

Energy additional notes

Energy #1

Regarding action 5:

Clarify meaning. Presumably it does not mean engaging in basic research.
If it is specific to municipal installations, move it to strategy Energy #2.

Energy #2

Add the following actions:

7. Create an Energy Manager position under the Sustainability Director
notes: This is distinct from "2. Dedicate staff resources . . ."
It is important that the Energy Manager report to the Sustainability Director.
8. Consider energy use in municipal purchasing decisions
9. Prioritize efforts on large energy users such as Water Resources
10. Pursue grants to help fund renewable energy, energy efficiency and resilience
11. Implement remedial measures identified in the energy audits

Sustainability Indicators

Separate "Solar energy installed" into two indicators for action #1(2.) and action #2(4.):

- Solar energy installed on owner-occupied homes
- Solar energy installed at city facilities

Add one or more indicators to track the energy performance of large municipal energy users such as Water Resources.

Related Actions

Low Emissions	Air Quality & Mobility: efforts to reduce use of transportation energy
Resiliency	Built Environment & Housing: energy efficiency of new buildings Extreme Heat & Hazard Preparedness: connections between heat and energy use Smart City: importance of technology in reducing energy use

Connection to General Plan

The five goals and numerous policies included in the Energy Element call for creating a sustainable energy future by adding clean energy sources and reducing energy consumption, especially:

Goal E 1 Work toward becoming a net-zero energy community that balances energy efficiency with renewable energy generation.

Policy EP 5.5 Expand green building construction standards to include all new and remodeled residential and commercial buildings.

EP 5.5 is not in the Energy Element, so “especially” doesn’t make sense when followed by EP 5.5.

Mobility

Support a well-designed, inter-connected, safe, and accessible multi-modal transportation system.

this statement does not address sustainability considerations

In Scottsdale

Relying only on gasoline-powered vehicles for travel around Scottsdale may be convenient but increases air pollution, congestion, noise, and other environmental problems. In 2020, 7 out of every 10 workers in the city drove to work alone. The Transportation Action Plan (TAP) 2022 will inform future transportation decisions and includes a prioritized implementation plan to preserve and improve how we get around Scottsdale — whether by bicycle, scooter, horse, motorcycle, vehicle, bus or something yet to emerge — over the next 10 years

see additional notes attached

Some key TAP goals include:

- Emphasize traffic safety, livable streets and multi-modal community access over rapid traffic throughput
- Provide facilities and amenities that are recognized as contributing to complete streets
- Maintain and improve multi-modal circulation by narrowing roadways where appropriate
- Minimize heat island effects by reducing existing pavement where traffic demand is less than previously planned
- Develop Neighborhood Bikeways on low-volume, low-speed roadways to be used by a wide range of bicyclist abilities

Highlights of current transportation programming include the free Scottsdale Trolley, the CAB Connection taxi voucher program for Scottsdale seniors and people with disabilities, a gold-level Bicycle Friendly Community designation, over 120 miles of trails, and a state-of-the-art traffic management system to reduce congestion. Trip reduction surveys show that the largest municipal locations have seen a steady 5-year reduction in single-occupancy vehicle commuting (82% down to 66%, adjusted for telecommuting) and that Scottsdale is the single biggest user of the Maricopa County vanpool.

Strategy and Actions

Mobility #1 Strengthen integrated transportation planning

1. Require pedestrian/bicycle access through/adjacent to all open spaces ~~to promote mobility~~
2. Modify the street network to safely include active transportation modes
3. Improve the maintenance of the existing trail system (which includes private property)
4. Fill in the trail system gaps to increase safety and connectivity
5. Replace and widen our existing multi-use path system to address increased usage
6. Develop a micro-transit system tailored to community needs
7. ~~Ensure adequate resources to maintain and upgrade our transportation network~~

Mobility #2 Prioritize active transportation

1. Increase frequency of transit service where needed and make necessary regional system connections to reduce automobile use and provide travel options
2. Increase the walkability of neighborhoods by . . .
3. Achieve a Platinum Bicycle Friendly Community designation from the League of American Bicyclists
4. Provide more education on bicycle safety to who?

⁴ U.S. Census Bureau (2021). Sex of Workers by Means of Transportation to Work American Community Survey 1-year estimates. Retrieved from <https://censusreporter.org> on 8/12/2022

I do not see a reference to footnote 4 above.

Mobility additional notes

General Comments

Much of the Mobility topic is repetitious with the TAP.

The Mobility topic does not sufficiently address sustainability/environmental issues related to transportation.

Cross-reference to Air Quality #2 for electric vehicles.

Mobility #1

Actions highlighted purple (1 - 5) could be more appropriately located under strategy Mobility #2.

Action 7 belongs in the TAP, not the Sustainability Plan.

Mobility #2

Action highlighted green (1) should be moved to strategy Mobility #1; it is not related to active transportation.

Sustainability Indicators

This indicator does not make sense:

- # miles of sidewalk with shade trees along the outside of sidewalks on the north side and west side of streets

I appreciate the attempt to be deliberate about where trees are located to provide maximum shade benefit, but . . .

First, what does "outside of sidewalks" mean – the street side or the other side?

Whichever it means, one of the two specifications does not work. For example, if outside means away from the street, there is some benefit (late in the day) to having trees along the sidewalk on the west side of a north-south street. But is there much benefit to having trees along the sidewalk on the north side of an east-west street?

Second, the most comprehensive benefit (all seasons, all times of day) would be achieved by a tree canopy over the sidewalk. That would require careful tree selection, location and pruning, but if we're serious about providing tree shade, it will take that kind of effort.

Possible revision:

- # miles of sidewalk with shade tree canopy

Mobility #3 Ensure accessible mobility for all residents ~~by improving transportation systems~~

1. Use Complete Streets as the framework for the transportation system and eliminating unneeded vehicular lanes define “Complete Streets” in Glossary
2. Provide access to a shared use path within a ¼ mile for all residences

Sustainability Indicators

- Vehicle Miles Traveled (VMT)
- Bus ridership
- Commute mode split (including single occupancy vehicle usage) and trip reduction performance
- % of population within quarter mile walk of a collector or arterial street providing access to sidewalks and bike lanes.
- # miles of completed bike lanes, neighborhood bikeways, and shared use paths and trails
- # miles of sidewalk with shade trees ~~along the outside of sidewalks on the north side and west side of streets~~ “canopy” see attached notes

Related Actions

Low Emissions	Air Quality: increased adoption of EVs Energy: efforts to reduce building energy use
Nature Based	Open Space & Land Management: connection to design guidelines
Resiliency	Built Environment & Housing: overlap between commutes and building infrastructure

Connection to General Plan

add: Goal EP 3

The goals and policies in the Connectivity Chapter (Circulation and Bicycling Elements) contribute to reducing the environmental impacts of moving people and goods.



Air Quality

Reduce contaminants and pollutants to improve air quality and protect community health.

see additional notes attached

In Scottsdale

Because of the extended transport of air pollutants into and within the Valley, improving air quality requires regional cooperation and a long-term commitment to taking daily steps to reduce emissions. The city follows federal and state requirements as well as those set by Maricopa County (for example, for dust or burning). As part of this commitment, the city operates a fleet of six street sweepers to clean curbed streets monthly to reduce dust emissions and responds to high ozone pollution days with protocols and staff outreach. The city is currently working to install electric vehicle (EV) charging stations in at least five locations.

Strategy and Actions

Air Quality #1 Clean Scottsdale's air

change to "landscaping" to include blowers, et cetera

1. Participate in regional efforts to improve air quality
2. Expand education/outreach to city employees and residents about air quality and High Pollution Advisory days, including benefits of electric-powered **lawn** equipment and **of** reduced single occupancy vehicle (SOV) trips
3. Support reductions in fireworks use and 'burn better' programs during holidays

Air Quality #2 Accelerate electric vehicle (EV) adoption

1. Double number of EV charging stations to 600⁵ by 2030
2. Develop a financially sustainable plan to replace city fleet vehicles and buses with EVs
3. Create an EV charging policy and master plan
4. Foster program to expand the use of e-bicycles for commute trips

Sustainability Indicators

how are the indices to be used here? clarify

- # of good to moderate air days **plus Maricopa County air quality indices (ozone and particulates)**
- # and location of EV charging stations (municipal and private)
- # of gallons of gasoline and diesel used in municipal vehicles
- # of city fleet powered by alternate energy sources (CNG, electric)

Related Actions

Low Emissions	Mobility: steps to reduce tailpipe emissions
Nature Based	Open Space & Land Management: connection between air quality and natural areas
Resiliency	Extreme Heat & Hazard Preparedness: increase the number and health of trees

Connection to General Plan **add: Goal C 2**

Environmental Planning Element: Goal EP 3 Participate in local and regional efforts to improve air quality.

⁵ Baseline (July 2022) = 306; Source: Alternative Fuels Data Center (Level 2 and DC Fast), accessed July 2022.

Air Quality
additional notes

Air Quality #1

Regarding action 2:

Replacing gas-powered landscaping equipment with electric landscaping equipment should be a separate and distinct action and a stronger action. For example:

"Ban gas-powered leaf blowers."

OR

"Phase out gas-powered leaf blowers."

Revise action 3:

"Support county and state 'burn better' programs, 'no burn' restrictions, and fireworks restrictions"

reasons:

- As written, action 3 could be interpreted as: "support reductions in 'burn better' programs"!
- Added "no burn," which is different from "burn better."
- "Burn better" is not limited to the holidays.

Air Quality #2

Regarding action 2:

Does "city fleet vehicles" include garbage trucks? Does "buses" include trolleys?

Regarding action 3:

Is the EV charging policy and master plan intended for municipal operations or city-wide?

Mayor's Youth Council (October 2022)
(Contact Information Redacted for Privacy)

Mayor's Youth Council – Feedback Form (10/3/2022)
Scottsdale Sustainability Plan 2022

<u>Low Emissions & Climate Action:</u> Reduces greenhouse gas and other environmentally harmful air emissions	
Climate Planning #1 Establish framework to reduce climate emissions and impacts Climate Planning #2 Address adaptation to impacts of climate change	What are some of the commercial or residential regulations? -ways to educate younger generations
Energy #1 Develop a Net-Zero Energy Strategic Plan to add renewable energy and energy efficiency Energy #2 Improve municipal energy performance ✓	Can cities collaborate with each other?
Mobility #1 Prioritize integrated transportation planning Mobility #2 Prioritize active transportation ✓✓ Mobility #3 Ensure accessible mobility for all residents by improving transportation systems	Mobility w/2. -walking to -biking -helpful for active exercise, what about heat (stroke) etc)?
Air Quality #1 Clean Scottsdale's air Air Quality #2 Accelerate electric vehicle (EV) adoption ✓✓	Increasing EV cars are being introduced to the industry; offer incentives to consumers

<u>Nature-Based:</u> Protects and enhances our city and natural environment by conserving resources, balancing land use and open space	
Water #1 Ensure water system resiliency	What's the city's plan? How can the conflict between the natural environment and consumers be solved?
Open Space #1 Expand management of open space and improve access Open Space #2 Support practices that preserve the Sonoran desert ecosystem	to Trails? Washes?

<u>Circular Systems:</u> Supports models of production and consumption that support reducing, recycling, repairing, and repurposing products and materials	
Waste #1 Increase the diversion rates for material streams by expanding services Waste #2 Enable use of recycled materials ✓✓ Waste #3 Expand opportunities for diverting organic waste from the landfill	Waste #2 sounds interesting -How can residential households be promoted to participate?
Food #1 Ensure access to healthy foods for all community members ✓✓	-Homeless population? -Reduce food waste -Food banks

<u>Equitable Community:</u> Builds just, livable, and thriving communities reflecting the character of Scottsdale	
Community Services #1 Expand community programs and services that support sustainability goals	Parks, green areas, multi-use walkways, increase convenience
Character & Arts #1 Support character-based planning ✓ Character & Arts #2 Strengthen connections between arts and culture and sustainability	Further develop as a community to do volunteer work or work on projects
Economic #1 Integrate green innovation and business into economic planning	Buildings and commercial areas (ex. apartments)
Education #1 Improve community sustainability knowledge and capacity	Educate younger generations in classrooms and club opportunities

<u>Resiliency:</u> Anticipates and responds to shocks and stressors, preparing for new risks and impacts	
Heat & Hazard #1 Reduce urban heat impacts Heat & Hazard #2 Ensure public safety with integrated emergency management planning	What does this look like?
Built Environment #1 Reduce impacts of the built environment by instituting sustainable building practices and policies Housing #1 Ensure benefits of greener buildings support the preservation & creation of high-quality, safe, and affordable housing	offer incentives and re rebates for businesses? what about local business shops?
Smart City #1 Improve community livability and city operations by combining smart technologies with traditional infrastructure	Implementation of technology with home owners in residential areas

<u>Other Comments?</u>

All input will be compiled anonymously, but you can share your contact information if you would like to receive more information on sustainability in Scottsdale:

NAME: _____ EMAIL: _____



Mayor's Youth Council – Feedback Form (10/3/2022)
Scottsdale Sustainability Plan 2022

<u>Low Emissions & Climate Action:</u> Reduces greenhouse gas and other environmentally harmful air emissions	
Climate Planning #1 Establish framework to reduce climate emissions and impacts	✓✓
Climate Planning #2 Address adaptation to impacts of climate change	✓
Energy #1 Develop a Net-Zero Energy Strategic Plan to add renewable energy and energy efficiency	✓✓
Energy #2 Improve municipal energy performance	✓✓
Mobility #1 Prioritize integrated transportation planning	✓
Mobility #2 Prioritize active transportation	✓
Mobility #3 Ensure accessible mobility for all residents by improving transportation systems	✓
Air Quality #1 Clean Scottsdale's air	✓
Air Quality #2 Accelerate electric vehicle (EV) adoption	✓✓

<u>Nature-Based:</u> Protects and enhances our city and natural environment by conserving resources, balancing land use and open space	
Water #1 Ensure water system resiliency	✓
Open Space #1 Expand management of open space and improve access	✓✓
Open Space #2 Support practices that preserve the Sonoran desert ecosystem	✓

<u>Circular Systems:</u> Supports models of production and consumption that support reducing, recycling, repairing, and repurposing products and materials	
Waste #1 Increase the diversion rates for material streams by expanding services	✓✓
Waste #2 Enable use of recycled materials	✓✓
Waste #3 Expand opportunities for diverting organic waste from the landfill	✓✓
Food #1 Ensure access to healthy foods for all community members	✓✓

<u>Equitable Community:</u> Builds just, livable, and thriving communities reflecting the character of Scottsdale	
Community Services #1 Expand community programs and services that support sustainability goals	✓
Character & Arts #1 Support character-based planning Character & Arts #2 Strengthen connections between arts and culture and sustainability	→ is it sustainability related? ~ important, but I would not consider it a priority
Economic #1 Integrate green innovation and business into economic planning	✓
Education #1 Improve community sustainability knowledge and capacity	✓✓

<u>Resiliency:</u> Anticipates and responds to shocks and stressors, preparing for new risks and impacts	
Heat & Hazard #1 Reduce urban heat impacts Heat & Hazard #2 Ensure public safety with integrated emergency management planning	✓✓ ~ important, but now is it related to sustainability
Built Environment #1 Reduce impacts of the built environment by instituting sustainable building practices and policies Housing #1 Ensure benefits of greener buildings support the preservation & creation of high-quality, safe, and affordable housing	✓ ✓
Smart City #1 Improve community livability and city operations by combining smart technologies with traditional infrastructure	~

<u>Other Comments?</u>	
<ul style="list-style-type: none"> - I think personally my priorities would be - I think this is a great plan - I would love to get involved if there are opportunities to do so <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Is there room in the Scottsdale city budget to in the future include compost pickup as a part of the waste services like garbage pickup?</p> </div>	<ul style="list-style-type: none"> • food waste • community knowledge • urban heat prevention • renewable energy

All input will be compiled anonymously, but you can share your contact information if you would like to receive more information on sustainability in Scottsdale:

NAME: [REDACTED] EMAIL: [REDACTED]



Mayor's Youth Council – Feedback Form (10/3/2022)
Scottsdale Sustainability Plan 2022

<u>Low Emissions & Climate Action:</u> Reduces greenhouse gas and other environmentally harmful air emissions	
Climate Planning #1 Establish framework to reduce climate emissions and impacts Climate Planning #2 Address adaptation to impacts of climate change	How is this plan going to change/adapt in the long run as climate change continues?
Energy #1 Develop a Net-Zero Energy Strategic Plan to add renewable energy and energy efficiency Energy #2 Improve <u>municipal energy</u> performance	
Mobility #1 Prioritize <u>integrated transportation planning</u> Mobility #2 Prioritize active transportation Mobility #3 Ensure accessible mobility for all residents by improving transportation systems	How can we make the transportation readily accessible/affordable while also being sustainable and efficient?
Air Quality #1 Clean Scottsdale's air Air Quality #2 Accelerate <u>electric vehicle (EV)</u> adoption	How do we encourage electric vehicles for the many who already use gas vehicles?

<u>Nature-Based:</u> Protects and enhances our city and natural environment by conserving resources, balancing land use and open space	
Water #1 Ensure water system resiliency	
Open Space #1 Expand <u>management of open space</u> and improve access Open Space #2 Support practices that preserve the Sonoran desert ecosystem	How are we balancing infrastructure with Scottsdale's natural land that can balance the city's needs in regards to maintaining the natural, but also building new things?

<u>Circular Systems:</u> Supports models of production and consumption that support reducing, recycling, repairing, and repurposing products and materials	
Waste #1 Increase the diversion rates for material streams by expanding services Waste #2 Enable use of recycled materials Waste #3 Expand opportunities for diverting organic waste from the landfill	
Food #1 Ensure access to healthy foods for all community members	Are there specific programs/ places to execute this?

<u>Equitable Community:</u> Builds just, livable, and thriving communities reflecting the character of Scottsdale	
Community Services #1 Expand community programs and services that support sustainability goals	
✓✓ Character & Arts #1 Support character-based planning ✓✓ Character & Arts #2 Strengthen connections between arts and culture and sustainability	could be more engaging to promote sustainability in schools, students appreciate the arts
Economic #1 Integrate green innovation and business into economic planning	
Education #1 Improve community sustainability knowledge and capacity	

<u>Resiliency:</u> Anticipates and responds to shocks and stressors, preparing for new risks and impacts	
Heat & Hazard #1 Reduce urban heat impacts Heat & Hazard #2 Ensure public safety with integrated emergency management planning	
Built Environment #1 Reduce impacts of the built environment by instituting sustainable building practices and policies Housing #1 Ensure benefits of greener buildings support the preservation & creation of high-quality, safe, and affordable housing	
✓ Smart City #1 Improve community livability and city operations by combining smart technologies with traditional infrastructure	How can this be incorporated into businesses and households?

<u>Other Comments?</u>

All input will be compiled anonymously, but you can share your contact information if you would like to receive more information on sustainability in Scottsdale:

NAME: _____ EMAIL: _____



Mayor's Youth Council – Feedback Form (10/3/2022)
Scottsdale Sustainability Plan 2022

<u>Low Emissions & Climate Action:</u> Reduces greenhouse gas and other environmentally harmful air emissions	
Climate Planning #1 Establish framework to reduce climate emissions and impacts	✓
Climate Planning #2 Address adaptation to impacts of climate change	✓ -
Energy #1 Develop a Net-Zero Energy Strategic Plan to add renewable energy and energy efficiency	✓✓
Energy #2 Improve municipal energy performance	✓✓
Mobility #1 Prioritize integrated transportation planning	✓✓
Mobility #2 Prioritize active transportation	✓✓✓
Mobility #3 Ensure accessible mobility for all residents by improving transportation systems	✓✓✓
Air Quality #1 Clean Scottsdale's air	✓✓
Air Quality #2 Accelerate electric vehicle (EV) adoption	✓✓✓

<u>Nature-Based:</u> Protects and enhances our city and natural environment by conserving resources, balancing land use and open space	
Water #1 Ensure water system resiliency	✓✓
Open Space #1 Expand open space and improve access	✓
Open Space #2 Support protection of the Sonoran desert ecosystem	✓✓

17

<u>Systems:</u> Supports models of production that support reducing, recycling, repairing, and reusing products and materials	
Waste #1 Increase the diversion rates for material streams by expanding services	✓✓
Waste #2 Enable use of recycled materials	✓✓
Waste #3 Expand opportunities for diverting organic waste from the landfill	✓✓
Food #1 Ensure access to healthy foods for all community members	✓✓✓

<u>Equitable Community:</u> Builds just, livable, and thriving communities reflecting the character of Scottsdale	
Community Services #1 Expand community programs and services that support sustainability goals	✓
Character & Arts #1 Support character-based planning Character & Arts #2 Strengthen connections between arts and culture and sustainability	✓
Economic #1 Integrate green innovation and business into economic planning	✓✓
Education #1 Improve community sustainability knowledge and capacity	✓

<u>Resiliency:</u> Anticipates and responds to shocks and stressors, preparing for new risks and impacts	
Heat & Hazard #1 Reduce urban heat impacts Heat & Hazard #2 Ensure public safety with integrated emergency management planning	✓ ✓✓
Built Environment #1 Reduce impacts of the built environment by instituting sustainable building practices and policies Housing #1 Ensure benefits of greener buildings support the preservation & creation of high-quality, safe, and affordable housing	✓✓ ✓✓
Smart City #1 Improve community livability and city operations by combining smart technologies with traditional infrastructure	✓

<u>Other Comments?</u>

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Mayor's Youth Council – Feedback Form (10/3/2022)
Scottsdale Sustainability Plan 2022

<u>Low Emissions & Climate Action:</u> Reduces greenhouse gas and other environmentally harmful air emissions	
Climate Planning #1 Establish framework to reduce climate emissions and impacts Climate Planning #2 Address adaptation to impacts of climate change	
Energy #1 Develop a Net-Zero Energy Strategic Plan to add renewable energy and energy efficiency Energy #2 Improve municipal energy performance	
Mobility #1 Prioritize integrated transportation planning Mobility #2 Prioritize active transportation Mobility #3 Ensure accessible mobility for all residents by improving transportation systems	✓
Air Quality #1 Clean Scottsdale's air Air Quality #2 Accelerate electric vehicle (EV) adoption	✓

<u>Nature-Based:</u> Protects and enhances our city and natural environment by conserving resources, balancing land use and open space	
Water #1 Ensure water system resiliency	
Open Space #1 Expand management of open space and improve access Open Space #2 Support practices that preserve the Sonoran desert ecosystem	

<u>Circular Systems:</u> Supports models of production and consumption that support reducing, recycling, repairing, and repurposing products and materials	
Waste #1 Increase the diversion rates for material streams by expanding services Waste #2 Enable use of recycled materials Waste #3 Expand opportunities for diverting organic waste from the landfill	
Food #1 Ensure access to healthy foods for all community members	

<u>Equitable Community:</u> Builds just, livable, and thriving communities reflecting the character of Scottsdale	
Community Services #1 Expand community programs and services that support sustainability goals	
Character & Arts #1 Support character-based planning Character & Arts #2 Strengthen connections between arts and culture and sustainability	
Economic #1 Integrate green innovation and business into economic planning	
Education #1 Improve community sustainability knowledge and capacity	✓✓ Arizona has been low in education for a while. There are a lot of smart kids, but the average is low.

<u>Resiliency:</u> Anticipates and responds to shocks and stressors, preparing for new risks and impacts	
Heat & Hazard #1 Reduce urban heat impacts Heat & Hazard #2 Ensure public safety with integrated emergency management planning	✓✓ Heat island effect - Environmental effects - Quality of living.
Built Environment #1 Reduce impacts of the built environment by instituting sustainable building practices and policies Housing #1 Ensure benefits of greener buildings support the preservation & creation of high-quality, safe, and affordable housing	✓✓ - The desert eco system, is important to Arizona life. desert insect infestations are an issue, so keeping a balance is important.
Smart City #1 Improve community livability and city operations by combining smart technologies with traditional infrastructure	XX - seems nice, definitely a way to bring in new residents, but we should focus on residents already here.

<u>Other Comments?</u>

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MS

Mayor's Youth Council – Feedback Form (10/3/2022)
Scottsdale Sustainability Plan 2022

<u>Low Emissions & Climate Action:</u> Reduces greenhouse gas and other environmentally harmful air emissions	
Climate Planning #1 Establish framework to reduce climate emissions and impacts ✓ Climate Planning #2 Address adaptation to impacts of climate change ✓	
Energy #1 Develop a Net-Zero Energy Strategic Plan to add renewable energy and energy efficiency ✓ Energy #2 Improve municipal energy performance ✓	Is the energy infrastructure antiquated or vulnerable to heat?
Mobility #1 Prioritize integrated transportation planning Mobility #2 Prioritize active transportation Mobility #3 Ensure accessible mobility for all residents by improving transportation systems	
Air Quality #1 Clean Scottsdale's air ✓ Air Quality #2 Accelerate electric vehicle (EV) adoption	Clean air = pollution + O ₃ (maybe look into carbon capture)

<u>Nature-Based:</u> Protects and enhances our city and natural environment by conserving resources, balancing land use and open space	
Water #1 Ensure water system resiliency ✓	
Open Space #1 Expand management of open space and improve access Open Space #2 Support practices that preserve the Sonoran desert ecosystem	

<u>Circular Systems:</u> Supports models of production and consumption that support reducing, recycling, repairing, and repurposing products and materials	
Waste #1 Increase the diversion rates for material streams by expanding services ✓ Waste #2 Enable use of recycled materials ✓ Waste #3 Expand opportunities for diverting organic waste from the landfill ✓	
Food #1 Ensure access to healthy foods for all community members	Food deserts

<u>Equitable Community:</u> Builds just, livable, and thriving communities reflecting the character of Scottsdale	
Community Services #1 Expand community programs and services that support sustainability goals	
Character & Arts #1 Support character-based planning Character & Arts #2 Strengthen connections between arts and culture and sustainability	
Economic #1 Integrate green innovation and business into economic planning	
Education #1 Improve community sustainability knowledge and capacity	

<u>Resiliency:</u> Anticipates and responds to shocks and stressors, preparing for new risks and impacts	
Heat & Hazard #1 Reduce urban heat impacts ✓ Heat & Hazard #2 Ensure public safety with integrated emergency management planning	
Built Environment #1 Reduce impacts of the built environment by instituting sustainable building practices and policies ✓ Housing #1 Ensure benefits of greener buildings support the preservation & creation of high-quality, safe, and affordable housing	
Smart City #1 Improve community livability and city operations by combining smart technologies with traditional infrastructure	

<u>Other Comments?</u>

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Scottsdale Sustainability Plan 2022

<u>Low Emissions & Climate Action:</u> Reduces greenhouse gas and other environmentally harmful air emissions	
Climate Planning #1 Establish framework to reduce climate emissions and impacts Climate Planning #2 Address adaptation to impacts of climate change	✓
Energy #1 Develop a Net-Zero Energy Strategic Plan to add renewable energy and energy efficiency Energy #2 Improve municipal energy performance	✓
Mobility #1 Prioritize integrated transportation planning Mobility #2 Prioritize active transportation Mobility #3 Ensure accessible mobility for all residents by improving transportation systems	✓
Air Quality #1 Clean Scottsdale's air Air Quality #2 Accelerate electric vehicle (EV) adoption	✓

<u>Nature-Based:</u> Protects and enhances our city and natural environment by conserving resources, balancing land use and open space	
Water #1 Ensure water system resiliency	✓
Open Space #1 Expand management of open space and improve access Open Space #2 Support practices that preserve the Sonoran desert ecosystem	✓

<u>Circular Systems:</u> Supports models of production and consumption that support reducing, recycling, repairing, and repurposing products and materials	
Waste #1 Increase the diversion rates for material streams by expanding services Waste #2 Enable use of recycled materials Waste #3 Expand opportunities for diverting organic waste from the landfill	- more trash cans/recycling bins possibly (there are already a lot) - possibly more centers for recycling electronics
Food #1 Ensure access to healthy foods for all community members	more ✓ - not very educated on this, maybe more info. on food banks

<u>Equitable Community:</u> Builds just, livable, and thriving communities reflecting the character of Scottsdale	
Community Services #1 Expand community programs and services that support sustainability goals	
Character & Arts #1 Support character-based planning Character & Arts #2 Strengthen connections between arts and culture and sustainability	
Economic #1 Integrate green innovation and business into economic planning	
Education #1 Improve community sustainability knowledge and capacity	- an idea to do this is send info. about this to Scottsdale schools, so they can put them in newsletters and such, also libraries

<u>Resiliency:</u> Anticipates and responds to shocks and stressors, preparing for new risks and impacts	
Heat & Hazard #1 Reduce urban heat impacts Heat & Hazard #2 Ensure public safety with integrated emergency management planning	
Built Environment #1 Reduce impacts of the built environment by instituting sustainable building practices and policies Housing #1 Ensure benefits of greener buildings support the preservation & creation of high-quality, safe, and affordable housing	- sustainable design is very important, so this is good preserving old buildings than demolishing them not nearly as educated on this
Smart City #1 Improve community livability and city operations by combining smart technologies with traditional infrastructure	

<u>Other Comments?</u>

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[REDACTED]

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Scottsdale Sustainability Plan 2022

<u>Low Emissions & Climate Action:</u> Reduces greenhouse gas and other environmentally harmful air emissions	
Climate Planning #1 Establish framework to reduce climate emissions and impacts Climate Planning #2 Address adaptation to impacts of climate change	
Energy #1 Develop a Net-Zero Energy Strategic Plan to add renewable energy and energy efficiency Energy #2 Improve municipal energy performance	
Mobility #1 Prioritize integrated transportation planning Mobility #2 Prioritize active transportation Mobility #3 Ensure accessible mobility for all residents by improving transportation systems	
Air Quality #1 Clean Scottsdale's air Air Quality #2 Accelerate electric vehicle (EV) adoption	→ how? → promote ppl w/ ev?

<u>Nature-Based:</u> Protects and enhances our city and natural environment by conserving resources, balancing land use and open space	
Water #1 Ensure water system resiliency	
Open Space #1 Expand management of open space and improve access Open Space #2 Support practices that preserve the Sonoran desert ecosystem	

<u>Circular Systems:</u> Supports models of production and consumption that support reducing, recycling, repairing, and repurposing products and materials	
Waste #1 Increase the diversion rates for material streams by expanding services Waste #2 Enable use of recycled materials Waste #3 Expand opportunities for diverting organic waste from the landfill	waste #3 A ↳ find a way to reduce landfill could help communities around it
Food #1 Ensure access to healthy foods for all community members	

<u>Equitable Community:</u> Builds just, livable, and thriving communities reflecting the character of Scottsdale	
Community Services #1 Expand community programs and services that support sustainability goals	
Character & Arts #1 Support character-based planning Character & Arts #2 Strengthen connections between arts and culture and sustainability	
Economic #1 Integrate green innovation and business into economic planning	
Education #1 Improve community sustainability knowledge and capacity	

<u>Resiliency:</u> Anticipates and responds to shocks and stressors, preparing for new risks and impacts	
Heat & Hazard #1 Reduce urban heat impacts Heat & Hazard #2 Ensure public safety with integrated emergency management planning	
Built Environment #1 Reduce impacts of the built environment by instituting sustainable building practices and policies Housing #1 Ensure benefits of greener buildings support the preservation & creation of high-quality, safe, and affordable housing	
Smart City #1 Improve community livability and city operations by combining smart technologies with traditional infrastructure	-> technology disposal? -> provide access + health to move people

<u>Other Comments?</u>

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Mayor's Youth Council – Feedback Form (10/3/2022)

Scottsdale Sustainability Plan 2022

<u>Low Emissions & Climate Action:</u>	
Reduces greenhouse gas and other environmentally harmful air emissions	
Climate Planning #1 Establish framework to reduce climate emissions and impacts Climate Planning #2 Address adaptation to impacts of climate change	
Energy #1 Develop a Net-Zero Energy Strategic Plan to add renewable energy and energy efficiency Energy #2 Improve municipal energy performance	<i>particulate matter</i> <i>carbon capture</i>
Mobility #1 Prioritize integrated transportation planning Mobility #2 Prioritize active transportation Mobility #3 Ensure accessible mobility for all residents by improving transportation systems	<i>increase in low-income communities especially</i>
Air Quality #1 Clean Scottsdale's air Air Quality #2 Accelerate electric vehicle (EV) adoption	<i>vs public transportation? conflicting effect goals</i>

<u>Nature-Based:</u>	
Protects and enhances our city and natural environment by conserving resources, balancing land use and open space	
Water #1 Ensure water system resiliency	
Open Space #1 Expand management of open space and improve access Open Space #2 Support practices that preserve the Sonoran desert ecosystem	

<u>Circular Systems:</u>	
Supports models of production and consumption that support reducing, recycling, repairing, and repurposing products and materials	
Waste #1 Increase the diversion rates for material streams by expanding services Waste #2 Enable use of recycled materials Waste #3 Expand opportunities for diverting organic waste from the landfill	<i>compost bins?</i> <i>more accessible donation programs</i>
Food #1 Ensure access to healthy foods for all community members	<i>SE Scottsdale food desert</i> <i>↳ improving food quality</i>

<u>Equitable Community:</u> Builds just, livable, and thriving communities reflecting the character of Scottsdale	
Community Services #1 Expand community programs and services that support sustainability goals	
Character & Arts #1 Support character-based planning Character & Arts #2 Strengthen connections between arts and culture and sustainability	<i>different rules for each area</i>
Economic #1 Integrate green innovation and business into economic planning	<i>what about pre-existing businesses? how can ^{this} be added w/o forcing entire overhaul of business?</i>
Education #1 Improve community sustainability knowledge and capacity	

<u>Resiliency:</u> Anticipates and responds to shocks and stressors, preparing for new risks and impacts	
Heat & Hazard #1 Reduce urban heat impacts Heat & Hazard #2 Ensure public safety with integrated emergency management planning	
Built Environment #1 Reduce impacts of the built environment by instituting sustainable building practices and policies Housing #1 Ensure benefits of greener buildings support the preservation & creation of high-quality, safe, and affordable housing	
Smart City #1 Improve community livability and city operations by combining smart technologies with traditional infrastructure	

Other Comments?

urban heat
↳ reduce (planting trees; built environment; painting streets white)
↳ response (keep citizens safe - cooling centers)

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<u>Low Emissions & Climate Action:</u> Reduces greenhouse gas and other environmentally harmful air emissions	
Climate Planning #1 Establish framework to reduce climate emissions and impacts Climate Planning #2 Address adaptation to impacts of climate change	expanding reusing water programs making building like Arizom. museum climate planning #1
Energy #1 Develop a Net-Zero Energy Strategic Plan to add renewable energy and energy efficiency Energy #2 Improve municipal energy performance	solar panel for city/suburb but expand not full. Energy #1
Mobility #1 Prioritize integrated transportation planning Mobility #2 Prioritize active transportation Mobility #3 Ensure accessible mobility for all residents by improving transportation systems	mobility #3 make them more known/safer and easier to use them
Air Quality #1 Clean Scottsdale's air Air Quality #2 Accelerate electric vehicle (EV) adoption	Air quality #2

<u>Nature-Based:</u> Protects and enhances our city and natural environment by conserving resources, balancing land use and open space	
Water #1 Ensure water system resiliency ✓	
Open Space #1 Expand management of open space and improve access Open Space #2 Support practices that preserve the Sonoran desert ecosystem	open space 2

<u>Circular Systems:</u> Supports models of production and consumption that support reducing, recycling, repairing, and repurposing products and materials	
Waste #1 Increase the diversion rates for material streams by expanding services Waste #2 Enable use of recycled materials Waste #3 Expand opportunities for diverting organic waste from the landfill	Waste #3
Food #1 Ensure access to healthy foods for all community members	Food #1

Equitable Community: Builds just, livable, and thriving communities reflecting the character of Scottsdale	
Community Services #1 Expand community programs and services that support sustainability goals	Yes but show how to get them advertise.
Character & Arts #1 Support character-based planning Character & Arts #2 Strengthen connections between arts and culture and sustainability ✓	
Economic #1 Integrate green innovation and business into economic planning	Provide incite for business to go green.
Education #1 Improve community sustainability knowledge and capacity	Yes more media.

Resiliency: Anticipates and responds to shocks and stressors, preparing for new risks and impacts	
Heat & Hazard #1 Reduce urban heat impacts Heat & Hazard #2 Ensure public safety with integrated emergency management planning	Heat Hazard #2
Built Environment #1 Reduce impacts of the built environment by instituting sustainable building practices and policies Housing #1 Ensure benefits of greener buildings support the preservation & creation of high-quality, safe, and affordable housing	→ Yes
Smart City #1 Improve community livability and city operations by combining smart technologies with traditional infrastructure	→ Yes

Other Comments?

I would love public Transportation but I think a app would help. Also people feeling safe would help.

Also would Scottsdale think of idea of white roads. where paint yr. road white.

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<u>Low Emissions & Climate Action:</u> Reduces greenhouse gas and other environmentally harmful air emissions	
Climate Planning #1 Establish framework to reduce climate emissions and impacts Climate Planning #2 Address adaptation to impacts of climate change	
Energy #1 Develop a Net-Zero Energy Strategic Plan to add renewable energy and energy efficiency Energy #2 Improve municipal energy performance	
Mobility #1 Prioritize integrated <u>transportation planning</u> Mobility #2 Prioritize active transportation Mobility #3 Ensure accessible mobility for all residents by improving transportation systems	Will this increase the price?
Air Quality #1 Clean Scottsdale's air Air Quality #2 Accelerate electric vehicle (EV) adoption	Is this feasible because often EV's are very costly for families?

<u>Nature-Based:</u> Protects and enhances our city and natural environment by conserving resources, balancing land use and open space	
Water #1 Ensure water system resiliency	How can we transmit this info to individual houses in Scottsdale?
Open Space #1 Expand management of open space and improve access Open Space #2 Support practices that preserve the Sonoran desert ecosystem	

<u>Circular Systems:</u> Supports models of production and consumption that support reducing, recycling, repairing, and repurposing products and materials	
Waste #1 Increase the diversion rates for material streams by expanding services Waste #2 Enable use of recycled materials Waste #3 Expand opportunities for diverting organic waste from the landfill	Composting?
Food #1 Ensure access to healthy foods for all community members	Food deserts, etc.

<u>Equitable Community:</u> Builds just, livable, and thriving communities reflecting the character of Scottsdale	
Community Services #1 Expand community programs and services that support sustainability goals	
Character & Arts #1 Support character-based planning Character & Arts #2 Strengthen connections between <u>arts</u> and <u>culture</u> and <u>sustainability</u>	How do we combine the 3?
Economic #1 Integrate green innovation and business into economic planning	
Education #1 Improve community sustainability knowledge and capacity	

<u>Resiliency:</u> Anticipates and responds to shocks and stressors, preparing for new risks and impacts	
✓✓ Heat & Hazard #1 Reduce urban heat impacts Heat & Hazard #2 Ensure public safety with integrated emergency management planning	
Built Environment #1 Reduce impacts of the built environment by instituting sustainable building practices and policies Housing #1 Ensure benefits of greener buildings support the preservation & creation of high-quality, safe, and affordable housing	like solar pannels etc.? How can we have more cost-effective plans?
✓ Smart City #1 Improve community livability and city operations by combining <u>smart technologies</u> with <u>traditional infrastructure</u>	How do people get acquainted with this?

<u>Other Comments?</u>

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<u>Low Emissions & Climate Action:</u> Reduces greenhouse gas and other environmentally harmful air emissions	
Climate Planning #1 Establish framework to reduce climate emissions and impacts Climate Planning #2 Address adaptation to impacts of climate change	
Energy #1 Develop a Net-Zero Energy Strategic Plan to add renewable energy and energy efficiency Energy #2 Improve municipal energy performance	<i>Does the net-zero plan include carbon offsets or just a complete reduction in emissions?</i>
Mobility #1 Prioritize integrated transportation planning Mobility #2 Prioritize active transportation Mobility #3 Ensure accessible mobility for all residents by improving transportation systems	<i>Does this include initiatives that improve bike lanes and safety for those who choose these alternative transportation methods? - Prioritize bus improvements of buses & schedules.</i>
Air Quality #1 Clean Scottsdale's air Air Quality #2 Accelerate electric vehicle (EV) adoption	<i>this should include making charging areas accessible around the city.</i>

<u>Nature-Based:</u> Protects and enhances our city and natural environment by conserving resources, balancing land use and open space	
Water #1 Ensure water system resiliency	
Open Space #1 Expand management of open space and improve access Open Space #2 Support practices that preserve the Sonoran desert ecosystem	

<u>Circular Systems:</u> Supports models of production and consumption that support reducing, recycling, repairing, and repurposing products and materials	
Waste #1 Increase the diversion rates for material streams by expanding services Waste #2 Enable use of recycled materials Waste #3 Expand opportunities for diverting organic waste from the landfill	<i>Is it possible to have compost bin services be mandatory or more pushed to the community?</i>
Food #1 Ensure access to healthy foods for all community members	

<u>Equitable Community:</u> Builds just, livable, and thriving communities reflecting the character of Scottsdale	
Community Services #1 Expand community programs and services that support sustainability goals	
Character & Arts #1 Support character-based planning Character & Arts #2 Strengthen connections between arts and culture and sustainability	
Economic #1 Integrate green innovation and business into economic planning	
Education #1 Improve community sustainability knowledge and capacity	

<u>Resiliency:</u> Anticipates and responds to shocks and stressors, preparing for new risks and impacts	
Heat & Hazard #1 Reduce urban heat impacts Heat & Hazard #2 Ensure public safety with integrated emergency management planning	Are trees being utilized to increase natural shade? I have heard this as a possible solution.
Built Environment #1 Reduce impacts of the built environment by instituting sustainable building practices and policies Housing #1 Ensure benefits of greener buildings support the preservation & creation of high-quality, safe, and affordable housing	
Smart City #1 Improve community livability and city operations by combining smart technologies with traditional infrastructure	

<u>Other Comments?</u>
<i>What can schools do to help with being more sustainable?</i>

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Scottsdale Sustainability Plan 2022

<u>Low Emissions & Climate Action:</u> Reduces greenhouse gas and other environmentally harmful air emissions	
Climate Planning #1 Establish framework to reduce climate emissions and impacts	✓
Climate Planning #2 Address adaptation to impacts of climate change	✓
Energy #1 Develop a Net-Zero Energy Strategic Plan to add renewable energy and energy efficiency	✓
Energy #2 Improve municipal energy performance	✓
Mobility #1 Prioritize integrated transportation planning	✓
Mobility #2 Prioritize active transportation	✓
Mobility #3 Ensure accessible mobility for all residents by improving transportation systems	✓
Air Quality #1 Clean Scottsdale's air	✓
Air Quality #2 Accelerate electric vehicle (EV) adoption	✓ <i>→ prioritize mobility #1-3 first!!</i>

<u>Nature-Based:</u> Protects and enhances our city and natural environment by conserving resources, balancing land use and open space	
Water #1 Ensure water system resiliency	✓
Open Space #1 Expand management of open space and improve access	✓
Open Space #2 Support practices that preserve the Sonoran desert ecosystem	✓

<u>Circular Systems:</u> Supports models of production and consumption that support reducing, recycling, repairing, and repurposing products and materials	
Waste #1 Increase the diversion rates for material streams by expanding services	✓
Waste #2 Enable use of recycled materials	✓
Waste #3 Expand opportunities for diverting organic waste from the landfill	✓
Food #1 Ensure access to healthy foods for all community members	✓

<u>Equitable Community:</u> Builds just, livable, and thriving communities reflecting the character of Scottsdale	
Community Services #1 Expand community programs and services that support sustainability goals	✓
Character & Arts #1 Support character-based planning Character & Arts #2 Strengthen connections between arts and culture and sustainability	✓ !!! ✓
Economic #1 Integrate green innovation and business into economic planning	✓
Education #1 Improve community sustainability knowledge and capacity	✓

<u>Resiliency:</u> Anticipates and responds to shocks and stressors, preparing for new risks and impacts	
Heat & Hazard #1 Reduce urban heat impacts Heat & Hazard #2 Ensure public safety with integrated emergency management planning	✓ ✓
Built Environment #1 Reduce impacts of the built environment by instituting sustainable building practices and policies Housing #1 Ensure benefits of greener buildings support the preservation & creation of high-quality, safe, and affordable housing	→ What policies? all city buildings? → not suburban/more walkable I hope?
Smart City #1 Improve community livability and city operations by combining smart technologies with traditional infrastructure	what smart technology?

Other Comments?

Accelerating EV adoption is not the solution bc at what is released while creating those vehicles - I love the idea of more focus on public transport.

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<u>Low Emissions & Climate Action:</u> Reduces greenhouse gas and other environmentally harmful air emissions	
Climate Planning #1 Establish framework to reduce climate emissions and impacts Climate Planning #2 Address adaptation to impacts of climate change	
Energy #1 Develop a Net-Zero Energy Strategic Plan to add renewable energy and energy efficiency ✓✓ Energy #2 Improve municipal energy performance	
Mobility #1 Prioritize integrated transportation planning Mobility #2 Prioritize active transportation Mobility #3 Ensure accessible mobility for all residents by improving transportation systems	<i>public transit could really help with this</i>
Air Quality #1 Clean Scottsdale's air Air Quality #2 Accelerate electric vehicle (EV) adoption	

<u>Nature-Based:</u> Protects and enhances our city and natural environment by conserving resources, balancing land use and open space	
Water #1 Ensure water system resiliency	
Open Space #1 Expand management of open space and improve access Open Space #2 Support practices that preserve the Sonoran desert ecosystem ✓✓	

<u>Circular Systems:</u> Supports models of production and consumption that support reducing, recycling, repairing, and repurposing products and materials	
Waste #1 Increase the diversion rates for material streams by expanding services Waste #2 Enable use of recycled materials Waste #3 Expand opportunities for diverting organic waste from the landfill	<i>does this mean residents get an extra bin to compost?</i>
Food #1 Ensure access to healthy foods for all community members	

<u>Equitable Community:</u> Builds just, livable, and thriving communities reflecting the character of Scottsdale	
Community Services #1 Expand community programs and services that support sustainability goals	
Character & Arts #1 Support character-based planning Character & Arts #2 Strengthen connections between arts and culture and sustainability	→ public infrastructure that inspires recycling (ex: artwork)
Economic #1 Integrate green innovation and business into economic planning	
Education #1 Improve community sustainability knowledge and capacity ✓✓	

<u>Resiliency:</u> Anticipates and responds to shocks and stressors, preparing for new risks and impacts	
Heat & Hazard #1 Reduce urban heat impacts Heat & Hazard #2 Ensure public safety with integrated emergency management planning	→ addressing issues w/ homelessness
Built Environment #1 Reduce impacts of the built environment by instituting sustainable building practices and policies Housing #1 Ensure benefits of greener buildings support the preservation & creation of high-quality, safe, and affordable housing	
Smart City #1 Improve community livability and city operations by combining smart technologies with traditional infrastructure	

<u>Other Comments?</u>

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