

**SCOTTSDALE CITY COUNCIL
REGULAR MEETING AND WORK STUDY SESSION MINUTES
TUESDAY, MARCH 19, 2024**



**CITY HALL KIVA
3939 N. DRINKWATER BOULEVARD
SCOTTSDALE, AZ 85251**

CALL TO ORDER

Mayor David D. Ortega called to order a Regular Meeting and Work Study Session of the Scottsdale City Council at 5:00 P.M. on Tuesday, March 19, 2024 in the City Hall Kiva Forum.

ROLL CALL

Present: Mayor David D. Ortega; Vice Mayor Solange Whitehead; and Councilmembers Tammy Caputi, Tom Durham, Barry Graham, Betty Janik, and Kathy Littlefield

Also Present: City Manager Jim Thompson, City Attorney Sherry Scott, City Treasurer Sonia Andrews (arrived at 5:15 P.M.), Acting City Auditor Lai Cluff, and City Clerk Ben Lane

PLEDGE OF ALLEGIANCE

The Pledge of Allegiance was led by Councilwoman Caputi.

MAYOR'S REPORT

Mayor Ortega called attention to the ongoing wars in foreign countries as they fight to protect their democracy and freedom and asked for a moment of silent reflection for these war-torn countries.

Mayor Ortega welcomed Sheriff Jack, the rabbit mascot for Bunnanza, and invited everyone to attend Bunnanza on Saturday, March 30, 2024, from 9:00 a.m. to noon. The free admission event will be held on the Civic Center lawn and will feature an egg hunt, interactive booths, food vendors, photo opportunities with Sheriff Jack, and entertainment.

Mayor Ortega presented a proclamation to City social workers declaring March as Social Work Month in Scottsdale.

Mayor Ortega announced the annual Tour de Scottsdale would take place on April 13, 2024, noting there are only 300 of 3,000 slots left for this event geared toward cyclists at all levels.

NOTE: MINUTES OF CITY COUNCIL MEETINGS AND WORK STUDY SESSIONS ARE PREPARED IN ACCORDANCE WITH THE PROVISIONS OF ARIZONA REVISED STATUTES. THESE MINUTES ARE INTENDED TO BE AN ACCURATE REFLECTION OF ACTION TAKEN AND DIRECTION GIVEN BY THE CITY COUNCIL AND ARE NOT VERBATIM TRANSCRIPTS. DIGITAL RECORDINGS AND CLOSED CAPTION TRANSCRIPTS OF SCOTTSDALE CITY COUNCIL MEETINGS ARE AVAILABLE ONLINE AND ARE ON FILE IN THE CITY CLERK'S OFFICE.

PRESENTATIONS/INFORMATION UPDATES

Spirit of Scottsdale 2023 Awards Presentation

Presenter(s): Louise Lamb and George Spatola, Commissioners, Neighborhood Advisory Commission

Neighborhood Advisory Commissioners Louise Lamb and George Spatola gave a PowerPoint presentation (attached) and presented the 2023 Spirit of Scottsdale Awards to Matthew Patzlaff (Individual Award Winner) and Neighbors Helping Neighbors (Organization Award Winner).

Western Spirit: Scottsdale's Museum of the West Update

Presenter(s): Todd Bankofier, President and Chief Executive Officer

Note: The Council may make comments or ask questions to the presenter(s); however, no Council action will be taken.

Scottsdale's Museum of the West's President Chief Executive Officer and Executive Director Todd Bankofier gave a PowerPoint presentation (attached) noting recent events and accomplishments.

PUBLIC COMMENT

No public comments were received.

MINUTES

Request: Approve the Regular Meeting and Work Study Session Minutes of February 20, 2024

MOTION AND VOTE - MINUTES

Councilwoman Janik made a motion to approve the Regular Meeting and Work Study Session Minutes of February 20, 2024. Vice Mayor Whitehead seconded the motion, which carried 7/0, with Mayor Ortega; Vice Mayor Whitehead; and Councilmembers Caputi, Durham, Graham, Janik, and Littlefield voting in the affirmative.

CONSENT AGENDA

1. Storyrock Phase 3 Abandonment (9-AB-2023)

Request: Adopt **Resolution No. 13043** authorizing the abandonment of 20 feet of roadway and utility easement along the northern boundary, 40 feet of roadway and utility easement along the eastern boundary, and 55 feet of roadway and utility easement along the southern boundary on two parcels with Planned Community District Environmentally Sensitive Lands (PCD ESL) zoning.

Location: Generally northeast of the E. Pinnacle Peak Road and N. 130th Street alignment with Assessor Parcel Numbers: 217-01-005N and 217-01-005M

Staff Contact(s): Erin Perreault, Planning, Economic Development, and Tourism Executive Director, 480-312-7093, eperreault@scottsdaleaz.gov

2. Storyrock Phase 3 Phase 1 Final Plat (5-PP-2016#14)

Request: Approve the final plat for Storyrock 3 Phase 1 for a 34-lot residential subdivision with Planned Community District Environmentally Sensitive Lands (PCD ESL) zoning, with multiple Single Family Residential District comparable zonings (R1-18 ESL, R1-35 ESL, and R1-43 ESL), and Single Family Residential Planned Residential Development Environmentally Sensitive Lands (R1-43 PRD ESL) zoning, on a ±100 acre site.

Location: Northeast corner of N. 128th Street and E. Pinnacle Peak Road alignment

Staff Contact(s): Erin Perreault, Planning, Economic Development, and Tourism Executive Director, 480-312-7093, eperreault@scottsdaleaz.gov

3. Quail Crest Estates Rezoning (12-ZN-2020)

Requests:

1. Adopt **Ordinance No. 4623** approving a zoning district map amendment from Single-Family Residential, Environmentally Sensitive Lands (R1-130 ESL) to Single-Family Residential, Environmentally Sensitive Lands (R1-70 ESL) zoning on a ±3.3 acre site.
2. Adopt **Resolution No. 13025** approving a Density Incentive for increases in Natural Area Open Space on the ±20 acre site.

Location: Northeast corner of N. 132nd Street and the E. Redbird Road alignment.

Staff Contact(s): Erin Perreault, Planning, Economic Development, and Tourism Executive Director, 480-312-7093, eperreault@scottsdaleaz.gov

4. On-Call Water Resources Engineering Services Contract Extensions

Request: Adopt **Resolution No. 13066** authorizing the following one-year contract extensions, in an amount not to exceed \$1,250,000 per contract, for on-call water resources engineering services:

1. Contract No. 2022-038-COS-A1 with Wilson Engineers, LLC
2. Contract No. 2022-039-COS-A1 with Black and Veatch Corporation
3. Contract No. 2022-040-COS-A1 with Brown and Caldwell, Inc.
4. Contract No. 2022-041-COS-A1 with Arcadis U.S., Inc.

Staff Contact(s): Dan Worth, Public Works Director, 480-312-5555, daworth@scottsdaleaz.gov

5. WestWorld Tony Nelssen Equestrian Center South Hall Design

Request: Adopt **Resolution No. 13083** authorizing a Fiscal Year 2023/24 Tourism Development Fund Operating Contingency Fund balance transfer, of up to \$300,000, to a newly created capital improvement project for design phase services for improvements to WestWorld's Tony Nelssen Equestrian Center South Hall.

Staff Contact(s): Karen Churchard, Tourism and Events Director, 480-312-2890, kchurchard@scottsdaleaz.gov

6. Public Safety Training Intergovernmental Agreement

Request: Adopt **Resolution No. 13068** to authorize:

1. Agreement No. 2024-050-COS with the City of Glendale for public safety training to allow the City of Scottsdale to send fire recruits to the Glendale Fire Recruit Training Academy.
2. The City Manager, or designee, to execute such documents and take such other actions as necessary to carry out the intent of this Resolution and Agreement.

Staff Contact(s): Tom Shannon, Fire Chief, 480-312-1821, tshannon@scottsdaleaz.gov

7. Fire Service Mutual Aid Intergovernmental Agreement

Request: Adopt **Resolution No. 13069** to authorize:

1. Agreement No. 2024-051-COS with the Town of Fountain Hills for fire service mutual aid.
2. The City Manager, or designee, to execute such documents and take such other actions as necessary to carry out the intent of this Resolution and Agreement.

Staff Contact(s): Tom Shannon, Fire Chief, 480-312-1821, tshannon@scottsdaleaz.gov

- 8. Scottsdale Ground Ambulance Transportation Program Start-Up Costs**
Request: Adopt **Resolution No. 13079** authorizing a Fiscal Year 2023/24 General Fund Operating Contingency transfer, of up to \$1,564,431, to the Fire Department Operating Budget for Scottsdale Ground Ambulance Transportation Program start-up costs.
Staff Contact(s): Tom Shannon, Fire Chief, 480-312-1821, tshannon@scottsdaleaz.gov
- 9. Family Advocacy Center Grant**
Request: Adopt **Resolution No. 13082** to authorize:

 1. The acceptance of a grant from the Office of the Arizona Attorney General, in the amount of \$51,526, for training and purchasing of equipment specifically for the Family Advocacy Center.
 2. The Chief of Police, or designee(s), to conduct all negotiations and to execute and submit all documents and other necessary or desirable instruments in connection with the acceptance of the grant award.
 3. A Budget Transfer, of up to \$51,526, from the Fiscal Year 2023/24 Future Grants Budget and/or Grant Contingency Budget to a newly created cost center to record the related grant activity.

Staff Contact(s): Jeff Walther, Chief of Police, 480-312-1900, jwalther@scottsdaleaz.gov
- 10. Audit Committee Recommendation for the Development Review Board Sunset Review**
Request: Accept the Audit Committee's recommendation and authorize the continuation of the Development Review Board.
Staff Contact(s): Lai Cluff, Acting City Auditor, 480-312-7851, lcluff@scottsdaleaz.gov
- 11. Audit Committee Recommendation for the Planning Commission Sunset Review**
Request: Accept the Audit Committee's recommendation and authorize the continuation of the Planning Commission.
Staff Contact(s): Lai Cluff, Acting City Auditor, 480-312-7851, lcluff@scottsdaleaz.gov
- 12. Fiscal Year 2022/23 Risk Management Department and Loss Trust Fund Annual Report**
Request: Accept the Fiscal Year 2022/23 Annual Report for the Risk Management Department and Loss Trust Fund.
Staff Contact(s): George Woods, Risk Management Director, 480-312-7040, gwoods@scottsdaleaz.gov
- 13. Monthly Financial Report**
Request: Accept the Fiscal Year 2023/24 Monthly Financial Report as of January 2024.
Staff Contact(s): Ana Lia Johnson, Acting Budget Director, 480-312-7893, anjohanson@scottsdaleaz.gov

MOTION AND VOTE – CONSENT AGENDA

There was no public comment on the Consent Agenda items.

Vice Mayor Whitehead made a motion to approve Consent Agenda Items 1 through 13. Councilwoman Janik seconded the motion, which carried 7/0, with Mayor Ortega; Vice Mayor Whitehead; and Councilmembers Caputi, Durham, Graham, Janik, and Littlefield voting in the affirmative.

REGULAR AGENDA

14. **Scottsdale Stadium Phase Two Improvements Project Construction Phase Services Contract**

Request: Adopt **Resolution No. 13072** to authorize:

1. Construction Manager at Risk Contract No. 2023-125-COS-A1 with Okland Construction Company, Inc., in an amount not to exceed \$9,156,723, to provide phase two construction services for the Scottsdale Stadium Phase Two Improvements.
2. A Fiscal Year 2023/24 General Fund Capital Contingency Budget Appropriation Transfer, of up to \$1,700,000, to the Scottsdale Stadium Renovations Phase 2 (PH05) capital project, to be funded by the Tourism Development Fund.
3. A Fiscal Year 2023/24 Operating Cash Transfer, of up to \$1,700,000, from the Tourism Development Fund to the Scottsdale Stadium Renovations Phase 2 (PH05) capital project.

Location: 7408 E. Osborn Road

Presenter(s): Alison Tymkiw, City Engineer

Staff Contact(s): Dan Worth, Public Works Director, 480-312-5555, daworth@scottsdaleaz.gov

City Engineer Alison Tymkiw gave a PowerPoint presentation (attached) on the City's proposed contract related to Scottsdale Stadium Phase Two Improvements Project Construction.

There was no public comment on this item.

MOTION AND VOTE – ITEM 14

Vice Mayor Whitehead made a motion to adopt Resolution No. 13072 to authorize:

1. Construction Manager at Risk Contract No. 2023-125-COS-A1 with Okland Construction Company, Inc., in an amount not to exceed \$9,156,723, to provide phase two construction services for the Scottsdale Stadium Phase Two Improvements.
2. A Fiscal Year 2023/24 General Fund Capital Contingency Budget Appropriation Transfer, of up to \$1,700,000, to the Scottsdale Stadium Renovations Phase 2 (PH05) capital project, to be funded by the Tourism Development Fund.
3. A Fiscal Year 2023/24 Operating Cash Transfer, of up to \$1,700,000, from the Tourism Development Fund to the Scottsdale Stadium Renovations Phase 2 (PH05) capital project.

Councilmember Durham seconded the motion, which carried 7/0, with Mayor Ortega; Vice Mayor Whitehead; and Councilmembers Caputi, Durham, Graham, Janik, and Littlefield voting in the affirmative.

PUBLIC COMMENT

No public comments were received.

CITIZEN PETITIONS

15. **Receipt of Citizen Petitions**

Request: Accept and acknowledge receipt of citizen petitions. Any member of the Council may make a motion, to be voted on by the Council, to: (1) Direct the City Manager to agendize the petition for further discussion; (2) direct the City Manager to investigate the matter and prepare a written response to the Council, with a copy to the petitioner; or (3) take no action.

Staff Contact(s): Ben Lane, City Clerk, 480-312-2411, blane@scottsdaleaz.gov

No citizen petitions were received.

WORK STUDY SESSION

PUBLIC COMMENT

Mayor Ortega opened public comment on this item.

Ute Brady, Chair of Scottsdale Environmental Advisory Commission, spoke about the Commission's recommendations and the United Nations Intergovernmental Panel on Climate Change's accelerated timelines for emission reduction before reaching a critical threshold.

Patricia Badenoch spoke about the objective of the Sustainability Plan and concerns regarding the verbiage used in the Sustainability Plan

Mayor Ortega closed public comment on this item.

1. **Scottsdale Community Sustainability Plan**

Request: Presentation, discussion, and possible direction to staff regarding draft sections of the Community Sustainability Plan.

Presenter(s): Lisa McNeilly, Sustainability Director

Staff Contact(s): Erin Perreault, Planning, Economic Development, and Tourism Executive Director, 480-312-7093, eperreault@scottsdaleaz.gov

Sustainability Director Lisa McNeilly gave a PowerPoint presentation (attached) on the proposed Scottsdale Community Sustainability Plan.

There was Council consensus on the following items:

- Support Scottsdale Environmental Advisory Commission (SEAC) recommendation to increase the tree and shrub canopy to 20% by 2030 and 25% by 2040.
- Support staff recommendation for structured shade, which is to defer this item until the completion of Shade & Tree Plan.
- The word "refuse" should be used primarily instead of the word "waste" in the Scottsdale Community Sustainability Plan.
- Support SEAC recommendation to reduce landfill refuse per single-family household from 2022 levels by 25% by 2030 and by 90% by 2040.
- Proceed with SEAC recommendations related to the following Waste Targets: Landfill Waste Collected, Municipal Landfill Waste Collected, and Diversion Rates.
- Proceed with staff recommendations related to the following Waste Targets: Commercial Accounts, Organic Waste Diverted, and Recycling Contamination Rates.
- Support SEAC recommendation for energy to increase distributed solar capacity citywide to 180 Megawatts (MW) by 2030 and to 500 MW by 2040; increase municipal solar capacity to 5 MW by 2030.
- Support staff recommendation to reduce citywide electricity use per square foot by 15% by 2035 (relative to 2022) and SEAC recommendation to reduce municipal electricity use by 15% by 2035 (relative to 2022) through efficiency measures.
- Proceed with staff recommendations related to the following Energy Targets: Greenhouse Gas Emissions (Citywide and Municipal), Average Energy Burden, and Number of Green Buildings.

Councilmembers made the following observations and suggestions:

- For Temperature Targets, add an additional indicator for the second target identified.
- The three largest growth areas are also the hottest areas, which is concerning as the city continues to look at future development.

- Concern about water usage for developing a large tree canopy.
- Desert trees would take less water than non-native trees.
- The actionable goals should focus on items the City can control.
- Request for staff to provide additional data on structured shade areas.
- Trees cannot be planted in the McDowell Sonoran Preserve and this area is excluded from the calculation related to tree canopy shade coverage percentages.
- Many trees are being planted now, such as in the medians on Hayden Road, which will mature over the next 10 years into a large canopy.
- Maricopa County has a program to retrofit low-income housing with energy efficient products and this is a key method for reducing heat effects.
- The Scottsdale Community Sustainability Plan is an aspirational document and not a mandate so there are no penalties for not achieving these goals.
- Growth areas are hotter due to more economic activity.
- City staff and SEAC's recommendations are similar, but it is hard to decide on a timeline with so many future unknowns.
- City staff and SEAC were encouraged to collaborate and work towards the same goals.
- Regular reviews with SEAC, staff, and City Council are important to ensure progress is being made toward shared goals.
- Should focus on water usage over the next several years.
- The Nature Conservancy completed a study on the cost benefit analysis for planting trees in the Phoenix metro area and found a significant benefit in planting trees.
- Add a new action item (4.6) to the Heat Strategy 4: Plant trees in an appropriate area that will allow them to mature but also consider future growth (allow for mature spacing).
- The orientation of a building has a significant impact on the building's cooling.
- The circularity of refuse needs to be emphasized and clarified to showcase what can be done to divert waste from the landfill.
- The Solid Waste Department has done educational outreach to residents, which has reduced the weight of waste going to the landfill.
- Structural changes of waste, such as plastic instead of glass, also contribute to less weight of waste going to the landfill.
- A 90% waste reduction could only be achieved, at this time, by raising rates.
- There are many technology innovations that may help achieve these goals, but it is hard to know what that will be.
- The goals should be attainable and flexible as implementation begins.
- Many residents do want to recycle and making it more convenient encourages recycling.
- There are economic benefits to reuse and recycling related to decreased transportation costs with fewer items going to the landfill.
- Food waste can be valuable for local farm compost.
- The City should accelerate implementing solar energy for municipal buildings.
- The use of electric vehicles should be reviewed further, but they have a positive impact on air quality.
- How far the City can go will be linked to what utility providers are producing and storing energy.
- There is a desire to bring the Sustainability Plan forward for Council action by the end of May.
- There are many outstanding studies that would provide more information on benchmark metrics and where to focus efforts.
- Some of these changes may lead to unintended consequences and increased costs.

MOTION AND VOTE – ADJOURNMENT

Councilmember Graham made a motion to adjourn the Regular Meeting and Work Study Session. Mayor Ortega seconded the motion, which carried 7/0, with Mayor Ortega; Vice Mayor Whitehead; and Councilmembers Caputi, Durham, Graham, Janik, and Littlefield voting in the affirmative.

ADJOURNMENT

Mayor Ortega adjourned the Regular Meeting and Work Study Session at 7:53 P.M.

SUBMITTED BY:



Ben Lane, City Clerk

Officially approved by the City Council on May 6, 2024

C E R T I F I C A T E

I hereby certify that the foregoing Minutes are a true and correct copy of the Minutes of the Regular Meeting and Work Study Session of the City Council of Scottsdale, Arizona, held on the 19^h day of March 2024.

I further certify that the meeting was duly called and held, and that a quorum was present.

DATED this 6th day of May 2024.

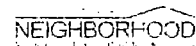


Ben Lane, City Clerk

Presentation/Information - 2023 Spirit of Scottsdale

Neighborhood Advisory Commission 2023 Spirit of Scottsdale Awards

Presenters: Commissioners Louise Lamb & George Spatola



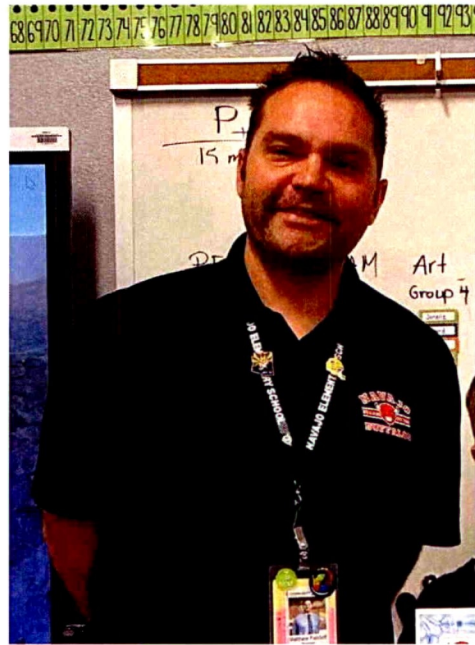
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Program Parameters

- Program recognizes a resident and organization/business that help to strengthen and build Scottsdale's community through their commitment to and involvement in neighborhoods
- Open to all Scottsdale residents & businesses
- 2023 program nominations opened June 2023 and closed December 31, 2023

2

**2023 Individual
Award Winner
Matthew Patzlaff**



3

**2023 Organization
Award Winner
Neighbors Helping
Neighbors**



4

**Neighborhood Advisory Commission
2023 Spirit of Scottsdale Awards**

Presenters: Commissioners Louise Lamb & George Spatola

Presentation/Information - Museum of the West



1

A successful public/private partnership



**WESTERN
SPIRIT**



2



From Goldwater to Gilleon

SCOTTSDALE'S MUSEUM OF THE WEST BOLDLY IMMERSSES ITS GUESTS IN THE UNIQUE STORY OF THE GREATER WESTERN REGION, ILLUMINATING THE PAST TO BETTER SHAPE OUR FUTURE.

"An experience that will stay with me forever" - Kathryn, Ireland

3



Since September 2023, Western Spirit attendance is **17.06%** ahead of the same time of the previous year.

"The missing link for Scottsdale!" - Nancy, AZ

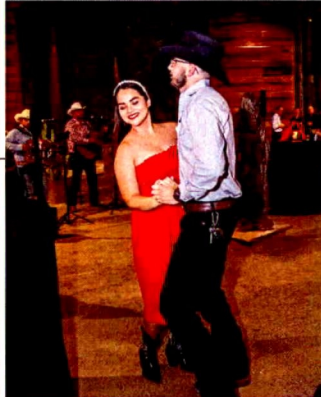
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5



6



Events at Western Spirit

- Destination Management Company relationships
- Old Town Quarterly Update Meetings
- Experience Scottsdale Quarterly Update Meeting
- Corporate Retreats
- Targeted growth of 70 events for 2024 with an average attendance of 200 people = 100% growth over 2023

"This is a magnificent tribute to the spirit of America!" - Ralph and Pat, OH

7



Google
Verified Customer Reviews

4.7

yelp

4.4

Tripadvisor

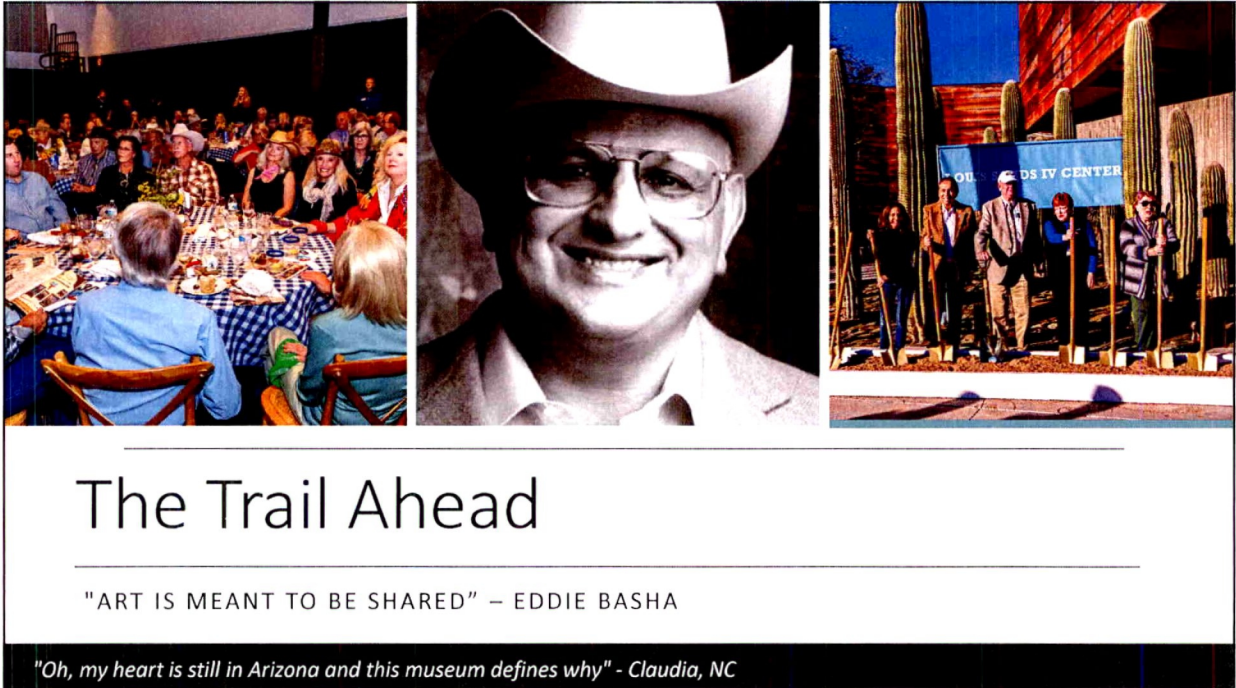
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"Absolutely amazing -one could spend days here!" - Jim and Carolyn, Canada

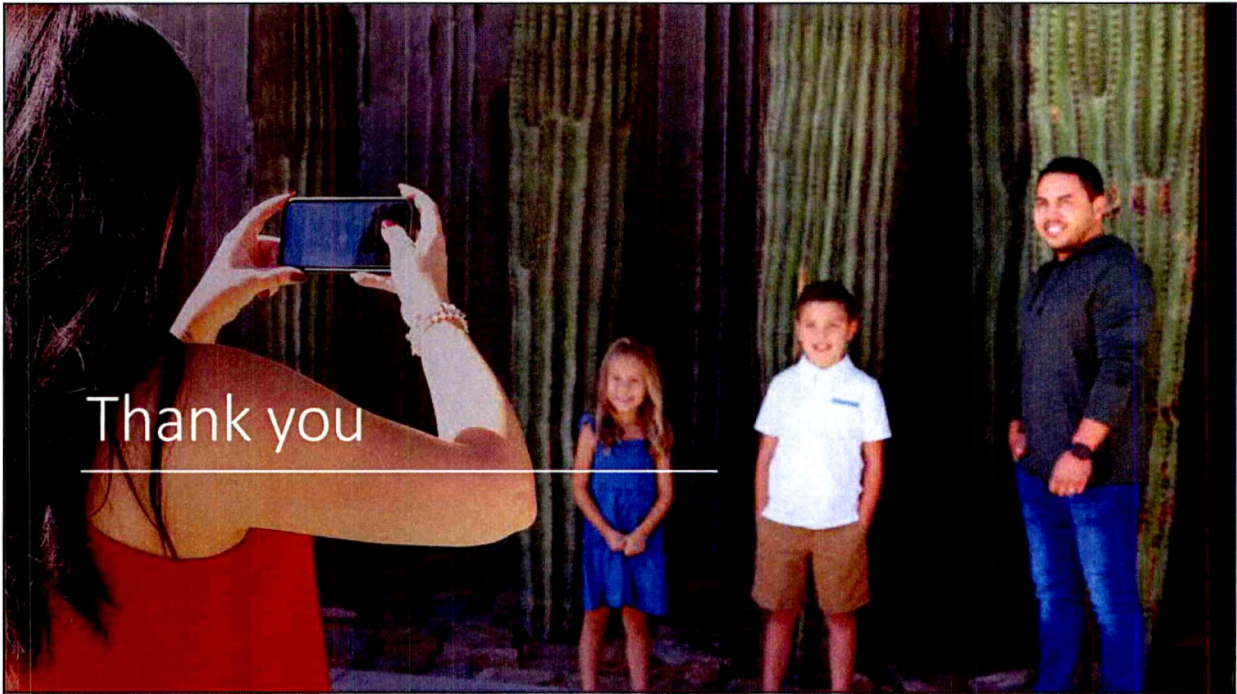
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9



10



11

Item #14

**Construction Manager at Risk
Construction Phase Services for
Scottsdale Stadium Phase Two
Improvements**

Alison Tymkiw, City Engineer

City Council March 19, 2024

1

**Scottsdale Stadium - Phase 1 History
Giants / Charros / COS**

2019

Baseball Facilities Agreement extends Spring Training thru 2044

- Phase 1 Construction approved by City Council in 2019
- Phase 1 Completed for Spring Training 2020

2

Stadium Phase 2

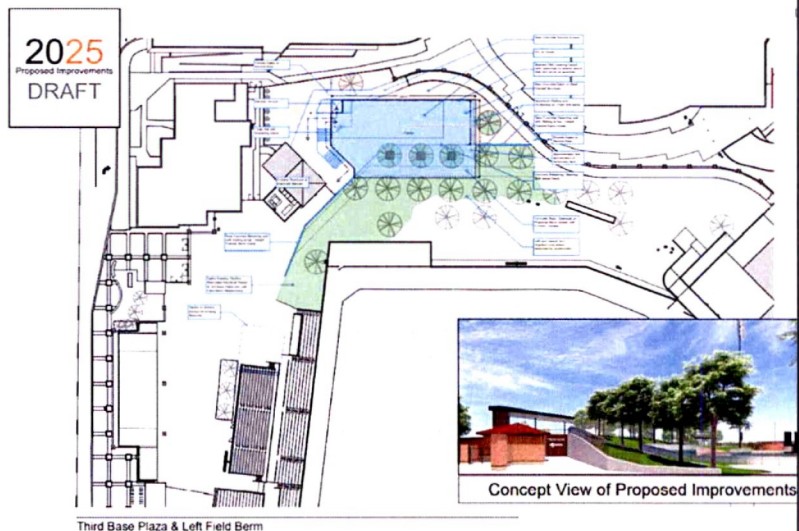
- Originally targeted to be completed in 2020/2021
 - COVID and 1.5 year lead times for some Construction Materials led to assessment and evaluation of timeline and priorities
- Phase 2 timeframes revised to occur over 3 or more off seasons
 - 2023 - Completed - First Base Deck and Third Base Concessions Pads
 - 2024 - Tonight's Proposal - Left Field Berm Enhancements

3

Phase 2

Key Elements

- Left Field Deck
 - Concessions
 - Shade - Structure & Trees
- Expanded Berm Seating
 - Turf and Trees
- Stairs and Elevator access
- Restrooms
- Concourse repaving
- Storage
- Sound system
- Year-round use - Day Park



4



5



6



7



8

**Upcoming Timeline and Actions for Stadium
2024 Phase 2 Project:**

Tonight - Authorization of Contract for this Portion of Phase 2

- April 1, 2024 - Construction begins
- Summer- Fall - Winter 2024 - Construction of Left Field Berm
 - ✓ Stadium remains open
- February 2025 - Left Field Berm completion for Spring Training

9

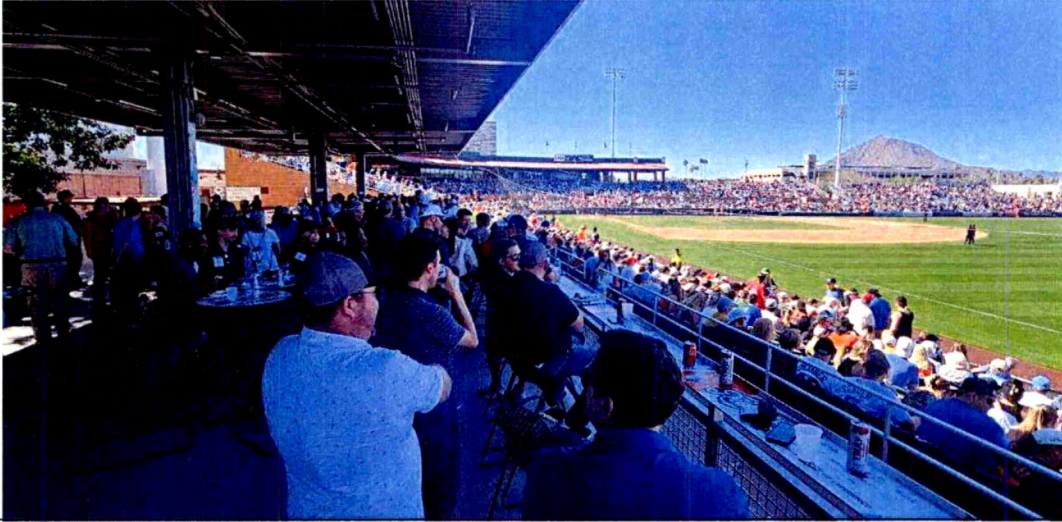
City Council Action Requested:

Adopt Resolution 13072 authorizing:

1. Construction manager at risk (CMAR) Contract No. 2023-125-COS-A1 in the amount of \$9,156,723 between the City and Okland Construction Company, Inc. for construction phase services for this Phase 2, Guaranteed Maximum Price Two (GMP 2) for the Scottsdale Stadium Phase 2 Improvements Project.
2. A FY 2023/24 General Fund Capital Contingency Budget Appropriation transfer of up to \$1,700,000 to the Scottsdale Stadium Renovations Phase 2 (PH05) capital project, to be funded by the Tourism Development Fund.
3. A FY 2023/24 operating cash transfer of up to \$1,700,000 from the Tourism Development Fund to the Scottsdale Stadium Renovations Phase 2 (PH05) capital project.

10

Questions?



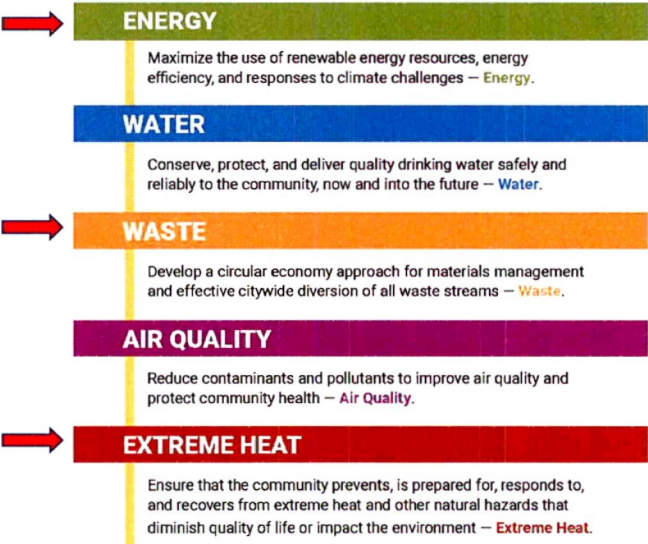
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Scottsdale Community Sustainability Plan

Work Study Session – March 19, 2024

1

Framework for a Sustainable, Resilient & Thriving Scottsdale



2

Framework

Strategies are goal-oriented and provide general guidance to help us address the Priority. They are carried out through specific Actions.

Indicators allow baselines to be determined and progress to be measured. Indicators link Priorities and **Targets** – defining **where we are today** and **where we would like to be in the future**.

Actions provide specific direction to achieve the Targets.

Implementation sections for each Priority detail when work will be accomplished and who will lead the efforts.

3

EXTREME HEAT

Ensure that the community prevents, is prepared for, responds to and recovers from extreme heat.

4

Extreme Heat: Temperatures

AVERAGE JULY TEMPERATURES

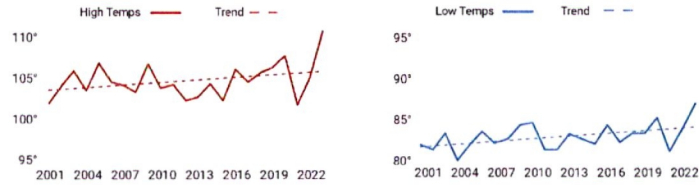


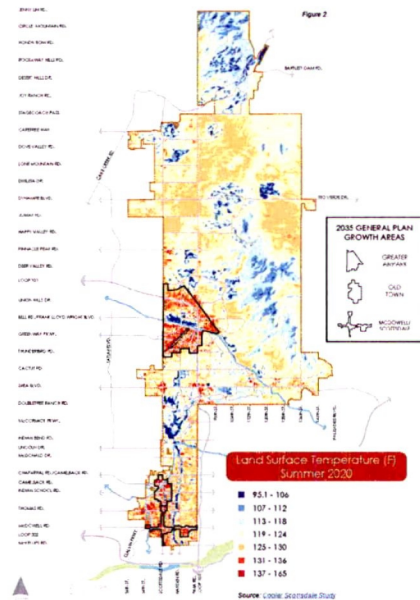
Figure 1. Source: Air temperature data from National Weather Service (<https://www.weather.gov/wrh/Climate?wfo=psr>)

Table 1. Annual Summarized Data: Scottsdale Airport Weather Station			
	2001-2014 Average	2015-2023 Average	Maximum (year observed)
Number of Days 110+	8	16	30 (2023)
Number of Nights 90+	2	7	20 (2023)

Table 1. Source: NOAA Online Weather Data

Extreme Heat: Temperatures

ATTACHMENT 1 P. 34 UPDATED
EXTREME HEAT 85



Extreme Heat: Hospitalizations

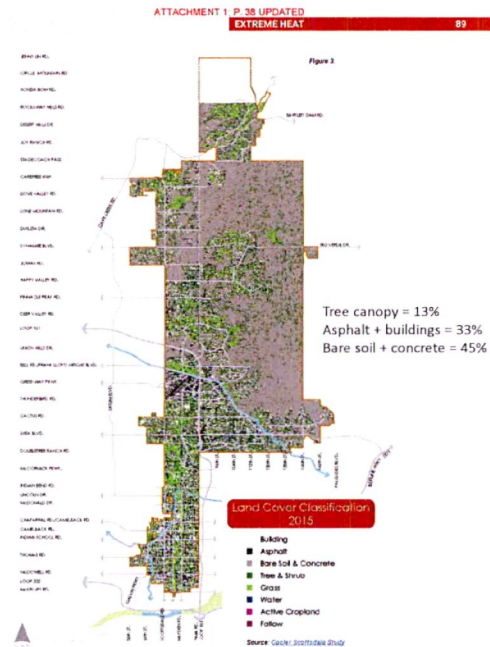
Table 2. Incidents per 100,000 population

	2018	2019	2020	2021	2022
Heat Deaths					
Maricopa County Residents	3.24	3.81	6.19	6.05	7.41
Scottsdale Residents	3.66	1.60	3.92	3.14	2.75
Heat Illnesses					
Maricopa County Residents	52.99	52.86	49.45	54.02	67.01
Scottsdale Residents	34.14	38.31	32.16	32.55	39.61

Table 2. Source: Maricopa County Department of Health

7

Extreme Heat: Tree Canopy



8

Extreme Heat: Temperature Targets

INDICATOR

Average temperatures, July
(2023 average high = 110.7)
(2023 average low = 87.1)

TARGET

Reduce day- and night-time air temperatures by 2030

TARGET

Reduce surface temperatures by 2030 in the Greater Airpark, Old Town and McDowell Road/Scottsdale Road growth areas

9

Extreme Heat: Hospitalization Target

INDICATOR

Heat-related morbidity and mortality resulting in hospitalization, per 100,000 population

(2022 deaths = 2.75)
(2022 illnesses = 39.6)

TARGET

Reduce hospitalizations for heat-related related health events (per 100,000 population) by 2030

10

Extreme Heat: Tree Canopy Target

Staff Recommendation	SEAC Recommendation
Increase tree & shrub canopy to 15% by 2040	Increase tree & shrub canopy to <u>20% by 2030 and 25% by 2040</u>

INDICATOR

Percentage of tree & shrub canopy
(2015 = 13%)



TARGET

Pending Council Direction

11

Extreme Heat: Structured Shade Target

Staff Recommendation	SEAC Recommendation
TBD (defer until completion of Shade & Tree Plan, which addresses structured shade)	<u>Increase structured shade city-wide by 15% by 2030 and by 20% by 2040</u>

INDICATOR

TBD



TARGET

Pending Council Direction

Increase structured shade city-wide by 15% by 2030 and by 20% by 2040
(SEAC Recommendation)

12

STRATEGIES & ACTIONS

STRATEGY HT 1

Expand heat relief communication and education.

ACTIONS

- HT 1.1 Engage employees and residents in creative ways on needed response to heat options, especially in the hottest areas.
- HT 1.2 Collaborate with regional, statewide, and national governmental and other entities on best practices on heat mitigation engagement strategies.
- HT 1.3 Expand communication on locations of cooling and hydration centers in the city.
- HT 1.4 Support and expand existing outreach programs like "Beat the Heat."

STRATEGY HT 2

Protect people from the health effects of extreme heat.

ACTIONS

- HT 2.1 Expand response strategies for extreme heat and increase the number of cooling centers, explore the value of pop-up cooling stations.
- HT 2.2 Seek grant or other funding for supplies for cooling centers.
- HT 2.3 Seek grant or other funding for weatherization, green rehab and air conditioner repair/replacement programs for low-income households.
- HT 2.4 Develop partnerships with local utilities for weatherization and tree planting programs.
- HT 2.5 Create Resiliency Hubs for neighborhoods with higher populations of seniors and lower income residents.
- HT 2.6 Develop a more robust and detailed plan for large scale heat disaster response including power grid failure.
- HT 2.7 Review municipal guidelines for heat protection for employees.

STRATEGY HT 3

Identify urban design improvements including structured shade and built environment.

ACTIONS

- HT 3.1 Support private and public strategies to reduce the area of exposed dark asphalt, dark roofs and other hot surfaces.
- HT 3.2 Promote cool roofs and sidewalks and other cool infrastructure technologies and options.
- HT 3.3 Promote shading for site landscape on existing commercial and multifamily developments.
- HT 3.4 Identify areas most impacted by the heat island effect and prioritize mitigation for these areas to reduce heat impacts.
- HT 3.5 Coordinate heat and shade work with other active plans such as the Oldtown Character Area Plan.

STRATEGY HT 4

Plant more trees and implement other nature-based solutions.

ACTIONS

- HT 4.1 Increase tree canopy and building integrated or free-standing shade structures through a Shade and Tree Plan; study the value of shade on a return-on-investment basis and balance benefits of natural shade and water usage.
- HT 4.2 Encourage use of desert-adapted trees to support heat reduction and water conservation strategies.
- HT 4.3 Investigate an urban forestry program to balance shade and water use and to ensure trees are maintained (including in city parks).
- HT 4.4 Study options to improve proper tree maintenance and replacement near commercial and multifamily buildings.
- HT 4.5 Partner with non-profits, volunteers, and businesses to plant more trees especially in underserved or older neighborhoods and in areas of high pedestrian activity; evaluate a 'matching tree' initiative.




Time Horizon: Quick Win, 1-3 years, 3-10 years or Ongoing

Lead Agencies & Partners: Additional partners will likely be added during project development

Costs: Costs are estimated and may change during project development or implementation

- \$ – **Low** (\$0 - \$50,000)
 \$\$ – **Moderate** (\$50,001 - \$250,000)
 \$\$\$ – **High** (Over \$250,000)

Benefits:

-  Environmental (air quality, carbon emissions, waste reduction, drought relief)
-  Economic (\$ savings, attracting businesses and tourism)
-  Social (health & safety, quality of life, equity)



15

Waste: Landfill Waste

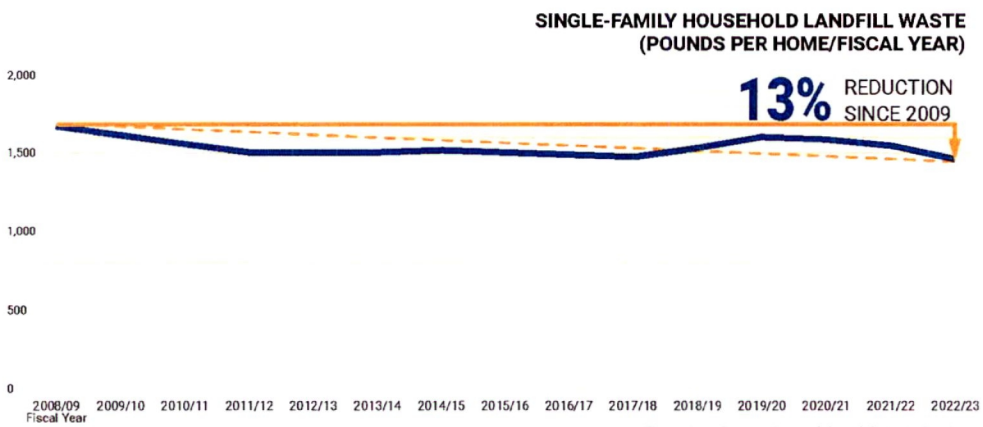


Figure 1. Source: Scottsdale Solid Waste Services 16

16

Waste: Diversion and Recycling Rates



Figure 2. Source: Scottsdale Solid Waste Services

17

Waste: Other Diversion

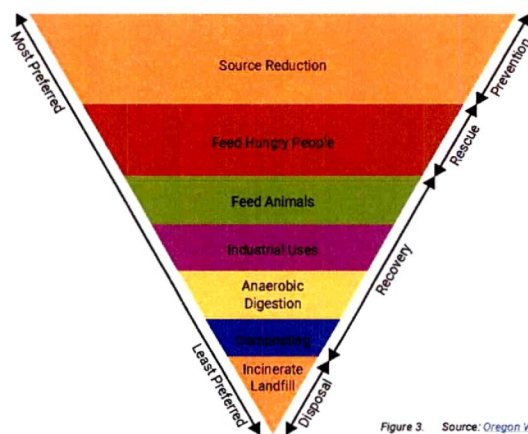


Figure 3. Source: Oregon Wasted Food Study

18

Waste: Landfill Waste Targets

Staff Recommendation	SEAC Recommendation
Reduce landfill waste per single-family household from 2022 levels by 25% by 2030 and by 90% by 2050	Reduce landfill <u>refuse</u> per single-family household from 2022 levels by 25% by 2030 and by 90% by <u>2040</u>

INDICATOR

Pounds of landfill waste per single-family household (2022-2023 = 1,465 pounds)



TARGET

Pending Council Direction

19

Waste: Landfill Waste Targets

Staff Recommendation	SEAC Recommendation
Reduce landfill waste collected city-wide by 90% by 2050	Reduce landfill <u>refuse</u> collected city-wide by 90% by <u>2040</u>

INDICATOR

Tons of landfill waste collected city-wide (TBD)



TARGET

Pending Council Direction

20

Waste: Landfill Waste Targets

Staff Recommendation	SEAC Recommendation
Reduce municipal landfill waste from 2024 levels by 25% by 2030 and 90% by 2045 (excludes municipal green landscaping debris hauled under city contract)	Reduce municipal landfill <u>refuse</u> from 2024 levels by <u>35%</u> by 2030 and 90% by <u>2040</u> (excludes municipal green landscaping debris hauled under city contract)



21

Waste: Diversion and Recycling Rates

Staff Recommendation	SEAC Recommendation
<ul style="list-style-type: none"> Achieve a 35% diversion rate (single family households) by 2030 Achieve a 90% diversion rate (citywide) by 2050 Achieve a 35% diversion rate for municipal waste by 2030 and a 90% diversion rate by 2045 	<ul style="list-style-type: none"> Achieve a 35% diversion rate (single family households) by 2030 Achieve a 90% diversion rate (citywide) by <u>2040</u> Achieve a 35% diversion rate for municipal waste by 2030 and a 90% diversion rate by <u>2040</u>



22

Waste: Commercial Accounts

INDICATOR

Percentage of Scottsdale Solid Waste Services commercial accounts that recycle (FY 2022-2023 = 18%)



TARGET

Increase the percentage of Scottsdale Solid Waste Services commercial accounts that recycle to 40% by 2030

23

Waste: Organic Waste Diversion

INDICATOR

Tons of organic waste diverted from landfill (TBD)

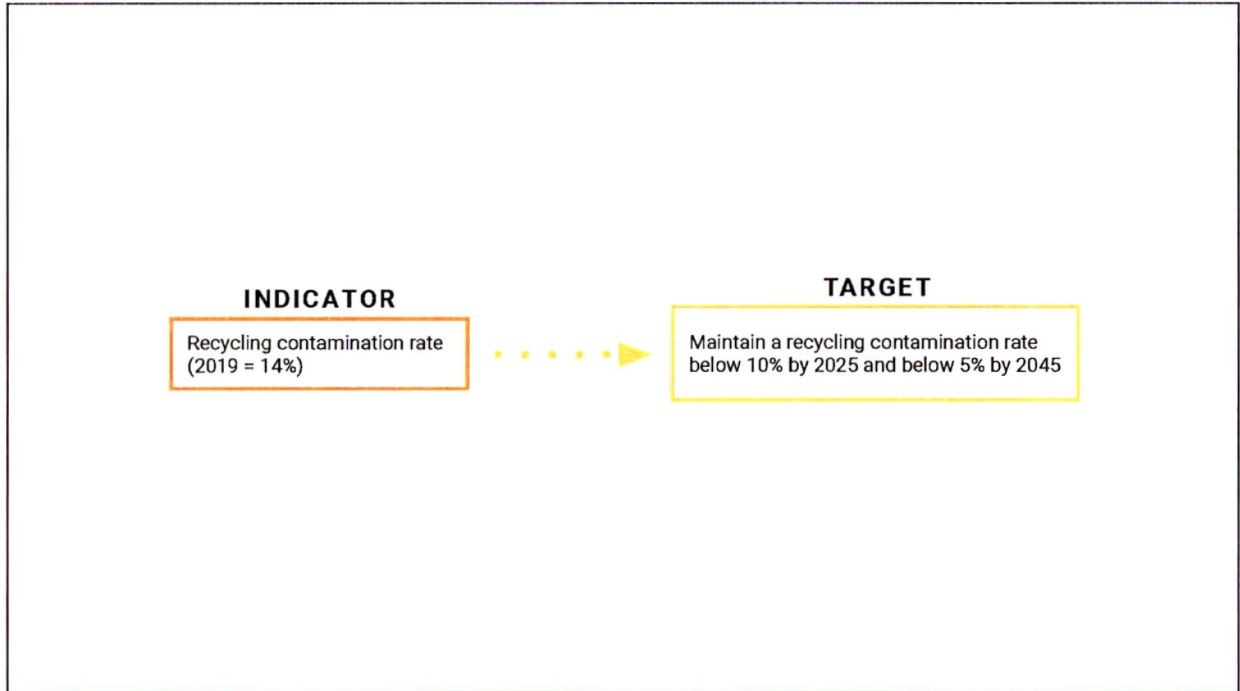


TARGETS

Achieve a 50% diversion rate from the brush and bulk waste stream by 2030 and a 90% diversion rate by 2040

Divert 15,000 tons annually of city-wide organic waste from the landfill by 2030 and 30,000 tons annually by 2040 (*excludes brush and bulk and municipal green landscaping debris hauled under city contract*)

24



25

ATTACHMENT 1, P. 26 UPDATED
76 WASTE

STRATEGIES & ACTIONS

STRATEGY WST 1
Increase diversion rates.

ACTIONS

- WST 1.1 Encourage addition of recycling infrastructure in existing commercial and multi-family housing.
- WST 1.2 Promote commercial and multi-family recycling.
- WST 1.3 Support implementation of code requirements for diversion of construction and demolition waste for commercial projects.
- WST 1.4 Work to make city sponsored events zero waste.
- WST 1.5 Develop a green event program and resources for event planners.
- WST 1.6 Host an expo with vendors to promote and educate about green event options.
- WST 1.7 Investigate ways to encourage private haulers to bring recycling to the transfer station.
- WST 1.8 Expand the transfer station to include permanent household hazardous waste and electronics collection, a Swap Shop, and organic waste diversion facilities.
- WST 1.9 Conduct waste characterization studies.
- WST 1.10 Investigate ways to improve data collection from private haulers and for municipal waste.

STRATEGY WST 2
Strengthen local markets for recycled content, recyclable and reusable materials.

ACTIONS

- WST 2.1 Adopt municipal green purchasing policies that prioritize purchasing based on sustainability practices and reduced waste generation.
- WST 2.2 Attract circular economy companies and entrepreneurs.
- WST 2.3 Encourage innovative reuse of materials.

ATTACHMENT 1, P. 26 UPDATED
77 WASTE

STRATEGY WST 3
Expand opportunities for diverting organic waste from the landfill.

ACTIONS

- WST 3.1 Establish a green or organic waste drop-off program.
- WST 3.2 Promote organic waste diversion.
- WST 3.3 Promote composting by food retailers and the food service industry.

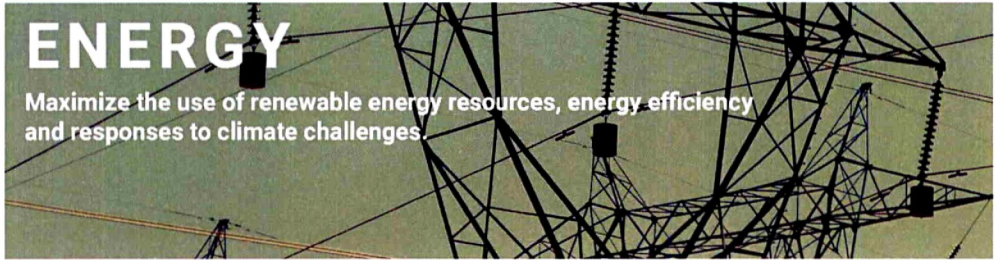
STRATEGY WST 4
Reduce waste generation.

ACTIONS

- WST 4.1 Promote donation of reusable items through City media channels and education campaigns, prioritizing recovery over landfill disposal.
- WST 4.2 Expand reuse of surplus municipal goods.
- WST 4.3 Educate on the benefits of reusable and compostable packaging and bags.
- WST 4.4 Create a program to reuse building materials.
- WST 4.5 Educate HGAC, homeowners, property managers, and landscapers about reducing the volume of landscaping debris generated.

26

26



27

Energy: Electricity Use

CITY-WIDE ELECTRICITY USE
 (THOUSANDS MEGAWATT HOURS - MWh)

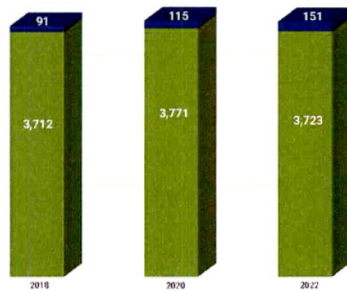


Figure 1. Source: ASU/NAU Scottsdale GHG Inventory



Figure 2. Source: ASU/NAU Scottsdale GHG Inventory

- Distributed Solar Use
- Utility Sales

28

Energy: Greenhouse Gas Emissions

CITY-WIDE GREENHOUSE GAS EMISSIONS (MT CO₂e)

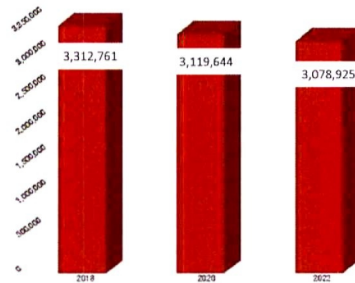


Figure 3. Source: ASU/NAU Scottsdale GHG Inventory

MUNICIPAL GREENHOUSE GAS EMISSIONS (MT CO₂e)

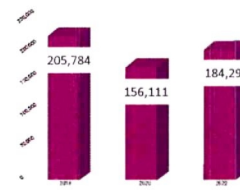


Figure 4. Source: ASU/NAU Scottsdale GHG Inventory

29

Energy: Energy Burden + Green Buildings

2016 ENERGY BURDEN BY % OF AREA MEDIAN INCOME (AMI)

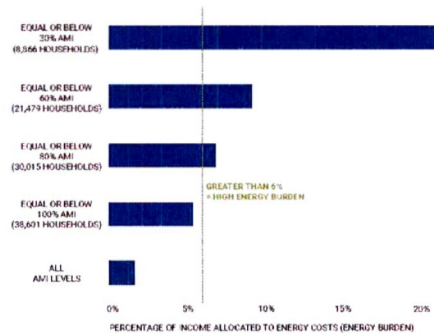


Figure 5. Source: Office of State & Community Energy Programs



Figure 7. Sources: City of Scottsdale, FEMA

30

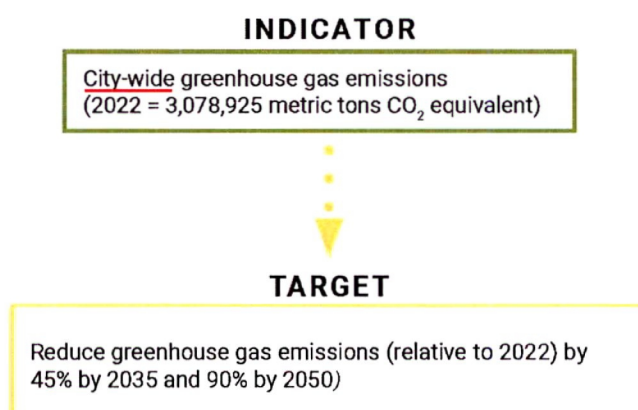
Energy: Distributed Solar Capacity

Staff Recommendation	SEAC Recommendation
Increase distributed solar capacity city-wide to 180 MW by 2030 and to 300 MW by 2040; increase municipal solar capacity to 3 MW by 2030	Increase distributed solar capacity city-wide to 180 MW by 2030 and to <u>500 MW</u> by 2040; increase municipal solar capacity to <u>5 MW</u> by 2030



33

Energy: Greenhouse Gas Emissions (City-wide)



34

Energy: Greenhouse Gas Emissions (Municipal)

INDICATOR

Municipal greenhouse gas emissions
(2022 = 184,299 metric tons CO₂ equivalent)

TARGET

Reduce greenhouse gas emissions
(relative to 2022) by 45% by 2035
and 90% by 2050

35

Energy: Energy Burden

INDICATOR

Average energy burden by
income bracket
(2022 = 21% for households below
30% of area median income)

TARGET

Reduce the average energy
burden to 6% or less for all
households by 2035

36

Energy: Green Buildings

INDICATOR

Number of green buildings
(2022 = 1,588 out of 96,703 or 2% of total)



TARGET

Increase the percentage of green buildings to 10% of the total by 2035

37

ATTACHMENT 1, P. 10 UPDATED ENERGY	61	62	ATTACHMENT 1, P. 11 UPDATED IMPLEMENTATION - ENERGY
<p>STRATEGIES & ACTIONS</p> <p>STRATEGY NRG 1 Reduce energy use and greenhouse gas emissions.</p> <p>ACTIONS</p> <p>NRG 1.1 Promote energy efficiency improvements for existing residential and commercial properties especially for lower income households; educate property owners on utility and other incentives.</p> <p>NRG 1.2 Develop guidance on ways to reduce utility bills.</p> <p>NRG 1.3 Provide education for homeowners about solar financing options.</p> <p>NRG 1.4 Consider free solar permits for residential installations.</p> <p>NRG 1.5 Increase participation in state weatherization program.</p> <p>NRG 1.6 Update greenhouse gas inventory at least every three years and expand to include refrigerant emissions, estimate impact of strategies and actions on emissions.</p> <p>NRG 1.7 Publicly report on greenhouse gas emissions and reduction strategies.</p> <p>NRG 1.8 Educate the public on the impacts of climate change and mitigation strategies.</p> <p>NRG 1.9 Increase awareness of 811 and other ways to reduce accidental leaks or releases from natural gas lines.</p> <p>STRATEGY NRG 2 Improve municipal energy performance.</p> <p>ACTIONS</p> <p>NRG 2.1 Employ a city-wide energy management system and track city energy use.</p> <p>NRG 2.2 Increase the number of large city-owned buildings connected to the energy management system.</p> <p>NRG 2.3 Conduct energy audits and assessments for all municipal buildings.</p> <p>NRG 2.4 Continue to convert streetlight systems, park lighting and other civic lighting to LED technology.</p> <p>NRG 2.5 Dedicate staff resources to managing energy programs.</p> <p>NRG 2.6 Develop a master plan for solar development on city-owned properties, including battery and other storage capacity.</p>		<p>NRG 2.7 Share information on savings achieved through municipal solar installations.</p> <p>NRG 2.8 Evaluate joining utility green power programs, establishing city-utility partnership agreements and/or the use of microgrids.</p> <p>NRG 2.9 Continue to participate in utility demand response programs; identify other opportunities to contribute to grid resiliency.</p> <p>NRG 2.10 Join EPA Green Power Partnership.</p> <p>STRATEGY NRG 3 Reduce energy impacts of the built environment through sustainable building practices and policies.</p> <p>ACTIONS</p> <p>NRG 3.1 Adopt and implement energy and green construction codes that advance efficient construction practices to address affordability and regional characteristics.</p> <p>NRG 3.2 Support code requirements for new residential construction to install solar systems or be 'solar ready'.</p> <p>NRG 3.3 Strengthen enforcement of all building codes.</p> <p>NRG 3.4 Encourage installation of solar panels when a new roof or deep retrofit occurs.</p> <p>NRG 3.5 Continue LEED Gold requirement for new civic structures.</p>	

38

38

Sustainability Plan: Background & Timeline

2021

- Implementation priority of voter-approved General Plan 2035
- Groundwork by ASU's Walton Sustainability Solution Service

2022

- Input from Scottsdale Environmental Advisory Commission (SEAC)
- Community meetings in August & October and an online survey
- September City Council Work Study Session
- Presentations to and input from other Boards and Commissions

39

Sustainability Plan: Timeline (continued)

2023

- Council direction from March and July WSS included:
 - Focus on five areas: energy, heat, air quality, water, and waste
 - Collect baseline data and set concrete goals
 - Work with SEAC and internal staff team
 - Use narratives that will tell a story about why sustainability is important
 - Avoid repetition of items already discussed in other documents, such as the General Plan
 - Work toward adoption, with draft plan sections vetted at 2 intervening Council work study sessions

40

Sustainability Plan: Timeline (continued)

November 2023 – March 2024

- Review by Commission, staff, and external experts
- Updated plan vetted during 2 Council work study sessions:
 - Introduction, Air Quality and Water (November 13, 2023)
 - Extreme Heat, Waste and Energy (March 19, 2024)

Next Step: Council adoption