

COUNCIL MINUTES

April 18, 2022

The City Council of the City of Mesa met in a Study Session in the lower-level meeting room of the Council Chambers, 57 East 1st Street, on April 18, 2022, at 4:32 p.m.

COUNCIL PRESENT

John Giles
Jennifer Duff
Mark Freeman
Francisco Heredia
Julie Spilsbury
Kevin Thompson

COUNCIL ABSENT

David Luna

OFFICERS PRESENT

Christopher Brady
Holly Moseley
Jim Smith

Mayor Giles conducted a roll call.

Mayor Giles excused Councilmember Luna from the entire meeting and excused Councilmember Thompson from the beginning of the meeting; he arrived at 4:35 p.m.

1. Review and discuss items on the agenda for the April 18, 2022, Regular Council meeting.

All of the items on the agenda were reviewed among Council and staff and the following was noted:

Conflict of interest: 8-a

Items removed from the consent agenda: None

2-a. Hear a presentation, discuss, and provide direction on a proposed amendment to Section 609 of the City Charter related to procurement.

Business Services Director Ed Quedens introduced Deputy City Attorney Kelly Whittemore and displayed a PowerPoint presentation discussing a proposed charter amendment. **(See Attachment 1)**

Mr. Quedens summarized the seven sections contained in Section 609 of the City Charter relating to Procurement. He stated the original City Charter and the Council approval threshold was \$10,000 and in 2004 was amended to increase the approval threshold to \$25,000. He noted changes to the threshold requires a Charter amendment and a vote of the people. He commented the City's thresholds have fallen behind and presented a list of public agency approval thresholds for comparison. (See Pages 2 through 4 of Attachment 1)

Mr. Quedens reviewed the processing timelines, adding the processes directly relate to the amount of effort and time to receive materials and services. He noted for proposals, the process is longer due to the complexity and review time. (See Page 5 of Attachment 1)

In response to a question posed by Mayor Giles regarding the procurement process, Mr. Quedens stated the City mirrors the State Procurement Code which is the American Bar Association (ABA) Procurement Model, which is generally accepted and followed throughout the Country.

City Manager Christopher Brady added the City follows best practices, and thresholds are based on efforts taken to procure. He emphasized the importance of competitive procurement processes and allowing time to respond to City proposals.

Ms. Whittemore confirmed the Charter states procurements must be in the best interest of the City. She added the intent and policy of the City is to have open and competitive procurement methods and pointed out the multiple levels of approvals required for procurement.

Mr. Brady summarized that the proposal is that the threshold number in the future will be established by Council through an ordinance, but the procurement guidelines will remain.

Mr. Quedens remarked that the proposed amendment will simplify the Charter language and create two categories for large and small purchases. He added large purchases allow the Council to adjust the threshold by ordinance and small purchases are made in compliance with the policies and procedures established by the City Manager and designees. (See Page 6 of Attachment 1)

Mr. Quedens outlined other proposed Charter modifications including eliminating the reference to electronic bidding and cleaning up the language in other sections. He summarized the Charter modification timeline. (See Pages 7 and 8 of Attachment 1)

Responding to a question from Councilmember Freeman, Mr. Quedens gave a summary of the procurement process and requirements.

In response to a question posed by Councilmember Spilsbury, Mr. Quedens confirmed the language is not raising the threshold but rather adding language to state "\$25,000 or an amount established by the Council."

In response to an inquiry from Councilmember Heredia on expanding the public notice for solicitations, Mr. Quedens explained agencies are moving away from publishing procurement public notices in the newspaper because of the decline in readership. He indicated the City of Mesa (COM) sends emails to everyone registered, as well as those registered with the State of Arizona for a certain commodity and is placed on the City's website for the entire portion of the solicitation period.

City Attorney Jim Smith noted if the Charter amendment is adopted, additional public notice requirements can be updated in the City Code.

Mayor Giles indicated the consensus of Council is to move forward with the proposed amendment to the City Charter regarding procurement.

Responding to a question from Councilmember Thompson regarding whether the COM falls under state procurement law, Mr. Quedens clarified the COM has not adopted the state procurement code for general procurements, but construction must follow Title 34.

Ms. Whittemore continued by saying the purpose of the City having its own code and policies and procedures is to have safeguards in place. She added the Council must approve the ordinance and there is also a management policy that outlines the policies and procedures for procurement.

Mayor Giles thanked staff for the presentation.

2-b. Hear a presentation, discuss, and provide direction on the Environmental Management and Sustainability Department budget including the Mesa Climate Action Plan (MCAP).

Environmental Management & Sustainability Director Scott Bouchie introduced Solid Waste Deputy Director Sheri Collins and Environmental Management & Sustainability Deputy Director Laura Hyneman and displayed a PowerPoint presentation. **(See Attachment 2)**

Mr. Bouchie discussed the purpose of the Environmental Management and Sustainability Department and confirmed it lines up well with MCAP. He thanked staff for their hard work amid challenges. (See Page 2 of Attachment 2)

Mr. Bouchie reported the Household Hazardous Waste Materials facility users have doubled. He discussed plans to add more community outreach to educate the public. He explained the barrel diversion rate and noted the drop was due to the Republic Services Recycling Facility fire and the cancelled contract by Waste Management due to staffing issues and COVID. He summarized there is a new recycling contract in place and anticipates the numbers will continue to increase. (See Page 3 of Attachment 2)

Mr. Bouchie discussed the downward trend for energy use across all city buildings. He provided the measurements for renewable energy which are produced by systems that the City either owns or has solar service agreements with and indicated some goals were not met in this category. He noted staff is working with Salt River Project (SRP) on a Sustainable Energy Offer (SEO) and the amount that will be dedicated to the City. He explained the public outreach includes working closely with Mesa Public Schools and spreading the word on sustainability. (See Page 4 of Attachment 2)

Ms. Collins outlined the staffing and equipment requests for the Fiscal Year (FY) 2022/23 budget. (See Page 5 of Attachment 2)

In response to a question from Councilmember Thompson on plans to fill vacant positions, Ms. Collins confirmed Solid Waste is confident in the ability to fill the current vacancies and additional positions being requested with the potential applicants.

Mr. Bouchie reiterated the difficulty maintaining staffing levels due to retirement and demand for CDL drivers. He summarized the recruitment process and hiring timeline.

In response to a question posed by Vice Mayor Duff regarding the fuel source on the trucks, Mr. Bouchie confirmed the fuel source is Compressed Natural Gas (CNG).

Ms. Collins gave an overview of the expenditure summary for FY 21/22 and the proposed budget for FY 22/23 for Solid Waste. She identified the three major Solid Waste cost driving factors as salaries, landfill, and fleet services fees. (See Page 6 of Attachment 2)

Responding to a question from Vice Mayor Duff, Ms. Collins explained the household hazardous waste for FY 22/23 is estimated at what the revenue is believed to be and once FY 21/22 closes, any carryover money will be added to the next FY.

Ms. Hyneman highlighted the Environmental Management and Sustainability summary that shows the core business processes and environmental activities. She reported the last two remaining single-walled underground storage tanks for fuel were removed and \$446,000 was moved out of the storage tanks program and into the fleet electrification program. She added the electrified fleet reduces reliance on fossil fuels and tailpipe emissions, as well as reduces risk of spills and costly cleanups. She stated a part-time marketing specialist was hired to assist with Climate Action Community Outreach. (See Page 7 of Attachment 2)

In response to a question posed by Vice Mayor Duff regarding whether asbestos and lead are still concerns, Ms. Hyneman recalled a recent lead project but stated most of that budget is spent on asbestos removal.

Mr. Bouchie clarified the City is required to do sampling for compliance but typically does not find lead-based paint in facilities.

Ms. Collins discussed the contract with United Fibers, which expires at the end of this year and cannot be extended. She summarized the future state of recycling includes partnering with the City of Gilbert on a Request for Proposal (RFP) for recycling materials. She outlined a feasibility study which focuses on trash and recycling to add efficiencies to operations, look for long-term certainties, and give the ability to be flexible with the materials handled. (See Page 8 of Attachment 2)

Ms. Collins displayed a map that identifies the West Mesa Service Center and the post collection facilities. She reiterated the City does not own or operate any post collection infrastructure. (See Page 9 of Attachment 2)

Mr. Bouchie informed Council that permits have been issued to reconstruct the Republic Services recycling facility at the Salt River Landfill and anticipates opening by summer of 2023.

Ms. Collins explained the phased approach to split operations between the East Mesa Service Center and the West Mesa Service Center to create efficiencies in operations. She indicated the next phase is a transfer station or Materials Recovery Facility (MRF). She remarked splitting the operations will shorten travel distances and reduce approximately 450 miles of travel each week. She pointed out there is already an existing City-owned facility in East Mesa and the project includes tenant improvements, a CNG station, and upgrades to Fleet. (See Pages 10 through 12 of Attachment 2)

Ms. Collins commented that funding for the East Mesa/West Mesa split design has been identified as presented in next year's Capital Improvement Plan (CIP) budget. She stated the City will develop regional community partnerships and hold discussions with neighboring communities once the feasibility study is finalized on the MRF and transfer station. (See Page 13 of Attachment 2)

Mr. Brady noted staff plans to develop a cooperative agreement to present to the City Managers of Gilbert and Chandler regarding MRF opportunities.

In response to a concern from Councilmember Thompson regarding the smells that could come along with a MRF, Mr. Brady indicated the MRF would be right next to the railroad tracks and the material will be mostly plastics, metals, and cardboard.

Mayor Giles agreed on the plan of creating regional deals and pitching the regional MRF to the voters for the bond election in 2024.

Mr. Bouchie introduced Assistant to the City Manager Ian Linssen and outlined the Mesa Climate Action Plan (MCAP). He highlighted the aspirational goals including Carbon Neutrality, Renewable Energy, Materials Management, and Community Action. (See Pages 15 and 16 of Attachment 2)

Ms. Hyneman reported the City is on target with the MCAP goals and discussed existing projects. She explained Mesa's greenhouse gas emissions is currently at 97,000 metric tons and is considered the carbon footprint and the goal is to reduce the carbon footprint to zero by 2050. She pointed out that Mesa has opportunities to capture renewable natural gas for the fleet and identified ways the City is working to reach the goal of 100% renewable electric by year 2050. She emphasized the City's robust recycling and comprehensive metal recycling plan and noted staff is looking at ways to further measure and quantify this data. She explained the MCAP Data Portal from the Healthy Environment Council is updated monthly and can be viewed online. (See Pages 17 and 18 of Attachment 2)

Ms. Hyneman outlined projects underway and the breakdown of the operations that create the highest greenhouse gases. She reported energy management systems have been installed in 40 buildings to ensure energy is not wasted. She highlighted additional projects contributing to reducing energy use. (See Page 19 of Attachment 2)

Ms. Hyneman mentioned the City's Fleet Electrification Program has two hybrid electric vehicles (EV) and 29 Ford Lightning on order. She identified current and proposed locations of EV charging stations in Downtown Mesa and outlined the master plans for EV charging. (See Page 21 through 23 of Attachment 2)

Mr. Linssen stated the City is in the early stages of engaging the broader community through outreach as there are greater opportunities to receive funding when working together with community businesses and regional partners. He pointed out there are 2,700 active EVs in Mesa and the goal is to increase that number. He emphasized the importance of accommodating charging for current vehicles while determining future needs for infrastructure planning. He invited the public to contact the City to communicate EV needs. (See Page 22 of Attachment 2)

Ms. Hyneman reported \$10 million has been set aside for MCAP projects in addition to the ones that are already funded. She stated a ranking tool was used to determine the impact of the projects on the climate action aspirational goals, adding each project was looked at uniquely and given points based on their ability to address these aspirational goals. She stated the renewable energy projects received twice as many points due to fulfilling both goals. She presented five projects that scored high and the noted the amounts to fund each project. (See Page 23 through 25 of Attachment 2)

Mr. Bouchie highlighted the Flare to Fuel Project which is at 90% design and noted the significant cost increases. He stated this is the first step to a Food Waste to Energy Project and meets all three aspirational goals including reducing carbon emissions, renewable energy produced, and landfill reduction. (See Page 26 of Attachment 2)

Mr. Bouchie discussed the benefits of the energy efficiency and renewable solar energy projects. He added reducing the amount of energy used while increasing the amount of renewable energy allows for better percentages and reduces carbon emissions. He summarized the impact of the \$10 million on the proposed projects. (See Pages 27 and 28 of Attachment 2)

In response to a question posed by Councilmember Spilsbury regarding the community engagement plan, Mr. Brady stated broader community conversations will likely begin in June. He added the projects discussed today are related to internal operations and can be completed now.

Responding to a question from Councilmember Heredia on the Flare to Fuel Project, Mr. Bouchie explained Phase 1 of the project takes existing biogas produced in the anaerobic digesters from the municipal sewage that is treated at the plant and when food waste is added in the future the amount of gas produced will be double.

In response to a question from Councilmember Heredia on the goals for the community wide EV plan, Mr. Linssen discussed maximizing existing public EV sites and emphasized opportunities to take advantage of federal funding. He stressed the importance of coordination to most efficiently allocate resources.

Responding to a question posed by Mayor Giles, Ms. Hyneman verified that LED lighting is more energy efficient, and the lighting can be adjusted

In response to an additional question from Mayor Giles, Mr. Bouchie confirmed the 68-fleet chargers refer to the COM fleet. He mentioned once the Flare to Fuel project is online, approximately 40% of the Solid Waste fleet will be fueled with renewable natural gas.

Mayor Giles thanked staff for their presentation.

3. Current events summary including meetings and conferences attended.

Vice Mayor Duff -	Mesa Public Schools Foundation dinner Women In Municipal Government board meeting Mesa Temple - Easter pageant Reed Park Easter event
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Mayor Giles -	Mesa Temple - Easter pageant
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4. Scheduling of meetings.

City Manager Christopher Brady stated that the schedule of meetings is as follows:

Thursday, April 21, 2022, 7:30 a.m. – Study Session

5. Adjournment.

Without objection, the Study Session adjourned at 6:02 p.m.

JOHN GILES, MAYOR

ATTEST:

HOLLY MOSELEY, CITY CLERK

I hereby certify that the foregoing minutes are a true and correct copy of the minutes of the Study Session of the City Council of Mesa, Arizona, held on the 18th day of April 2022. I further certify that the meeting was duly called and held and that a quorum was present.

HOLLY MOSELEY, CITY CLERK

td
(Attachments - 2)

Proposed City Charter Amendment Section 609 - Procurement

April 18, 2022
Ed Quedens, Business Services Director
Kelly Whittemore, Deputy City Attorney



Section 609 - Procurement

Current Section Contents

- (A) Intent
- (B) City Council Approved Purchases
- (C) Small Dollar Procurement Procedures
- (D) Emergency Procurements
- (E) Cooperative Purchasing
- (F) Electronic Bidding
- (G) Public Notice

Section 609 - Procurement

- Original Charter – 1967
 - Discussed Bidding & Purchase Quotes
 - Council Approval – Materials Over \$10,000
- Amended in 2004 Election – Current Language
 - Entire Section Struck & Replaced
 - Council Approval Increased – Materials Over \$25,000
- To change the text or threshold, requires a Charter amendment

Threshold Comparisons

Other Agency Approval Thresholds

- Phoenix - \$100,000
- Tempe - \$100,000
- Gilbert - \$100,000
- Maricopa County – Formal Solicitation \$50,000, \$100,000 for construction – County Board approval \$250,000
- Chandler - \$50,000 Bid and Council - \$30,000 for Consulting
- Scottsdale - \$25,000 Formal Solicitation, \$15,000 for Professional Services. Council approves all construction and professional services, everything else is administrative.
- Queen Creek - \$25,000
- Mesa - \$25,000

Processing Timelines

- <\$5,000 – Small Purchase – Immediate
- \$5,000-\$25,000 – 3 Quotes – 1-5 days
- >\$25,000
 - Formal Bid – 5 weeks
 - Formal Proposal – 7 weeks
 - City Manager Approval – 1 week
 - Council Approval – 32 days

Proposed Amendment

- Simplify the Charter language for large and small purchases
- Large Purchases – Amend the Charter to maintain the \$25,000 threshold, but to allow the Council to adjust the threshold by ordinance
- Small Purchases – Amend the Charter to clarify the methods and requirement for policies/procedures

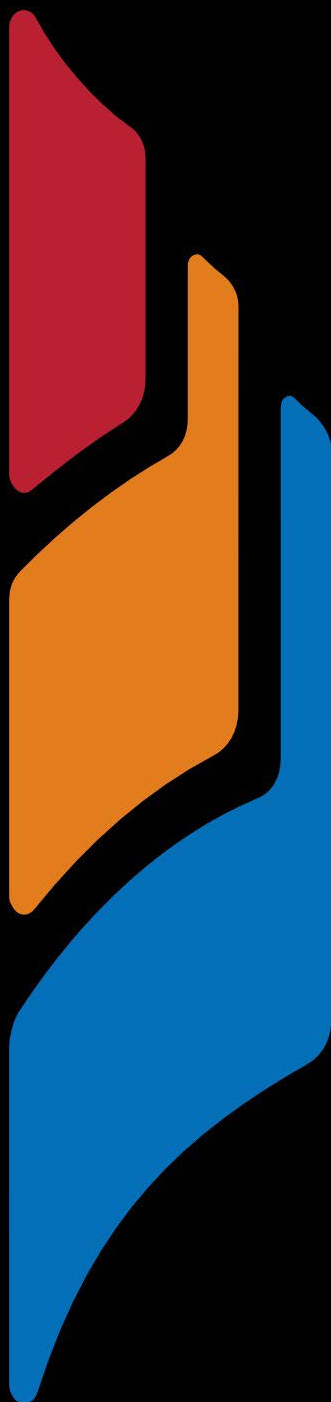
Other Proposed Modifications

- Eliminate Section (F) – Electronic Bidding
 - Concept was new in 2004
 - Standard business for public procurements today
 - Used in various types of procurement methods
- Minor Clean-up Language in Other Sections
 - Intent/Policy
 - Cooperative Purchasing
 - Public Notice

Timeline

- Ordinance to Place Question on the Ballot
 - Introduction - May 2, 2022
 - Consideration - May 16, 2022
- General Election November 8, 2022

m.e.s.a.·a.n



Existing Section

(B) City Council Approved Purchases. Procurement of materials, when the cost will exceed twenty-five thousand dollars (\$25,000), shall be made after giving public notice, as defined in Section 609(G), using either formal written invitation for bid (IFB), or request for proposal (RFP). The City Manager or designee shall determine which procurement method (IFB or RFP) will be most practicable and advantageous to the City for the procurement of materials.

Existing Section

(C) - Small Dollar Procurement Procedure. Procurement of materials, when the cost will not exceed twenty-five thousand dollars (\$25,000) shall be made using small dollar purchase procedures to be developed and implemented by the City Manager or designee. For purchases of less than five thousand dollars (\$5,000), the City Manager or designee shall adopt policies and procedures to provide for efficient and cost effective purchasing practices and the maintaining of appropriate records of such purchases.

Proposed Replacement

(B) PROCUREMENT METHODS. Procurement of materials exceeding twenty-five thousand dollars (\$25,000) or other amount as City Council may establish by ordinance are large dollar procurements requiring public notice and City Council approval; for all other procurements of materials, the City Manager or designee will determine the procurement methods that are the most practicable and advantageous to the City. The City Manager or designee shall adopt policies and procedures to provide for efficient and cost-effective purchasing practices.

Proposed Revisions

(A) **INTENT.** It is the general intent AND POLICY that open, competitive PROCUREMENT METHODS ARE ~~bidding be~~ followed in the purchase of materials, supplies, commodities, equipment, insurance and capital improvements (collectively the "materials") whenever possible. The City Council shall establish by ordinance a procedure to implement this policy and may determine exceptions thereto. For CITY COUNCIL, APPROVED PURCHASES IN Section 609(B), the City Council shall accept those PROCUREMENT RESPONSES ~~bids~~ that, under all circumstances, appear to be in the best interest of the City unless all RESPONSES ARE ~~bids be~~ rejected.

Proposed Revisions

(D) COOPERATIVE PURCHASING. The City Manager or designee shall have the authority to participate IN COOPERATIVE PURCHASES FOR ALL PROCUREMENTS with the State of Arizona or other political subdivisions of this State, or any other State and its political subdivisions and the Federal Government for the procurement of materials in cooperative purchasing agreements. Participation in cooperative PURCHASES purchasing agreements shall be deemed to be compliance COMPLY with this Section. Any LARGE DOLLAR PROCUREMENT USING cooperative purchasing agreement exceeding the dollar limit for City Council approval shall be approved BY CITY COUNCIL prior to commencing any purchase.

Proposed Revisions

~~(E) PUBLIC NOTICE. Notwithstanding Section 211(D) of this Charter, for THE purposes of this Section, “public notice”, ~~publish or advertising~~ shall mean the distribution or dissemination of information to interested parties at least one (1) time using methods that are reasonably available. Such methods may include, but are not limited to, publication ON THE CITY’S WEBSITE OR in newspapers of general circulation, ~~electronic or paper~~ mailing lists, or any OTHER ~~electronic~~ method providing widespread circulation.~~



Environmental Management & Sustainability

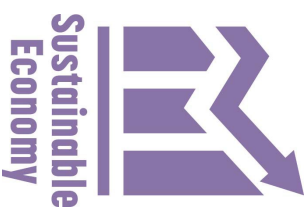
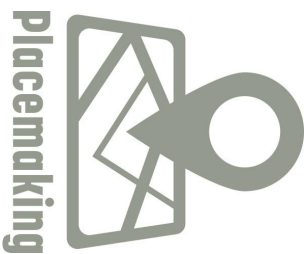
Fiscal Year 22/23 Proposed Budget

APRIL 18, 2022

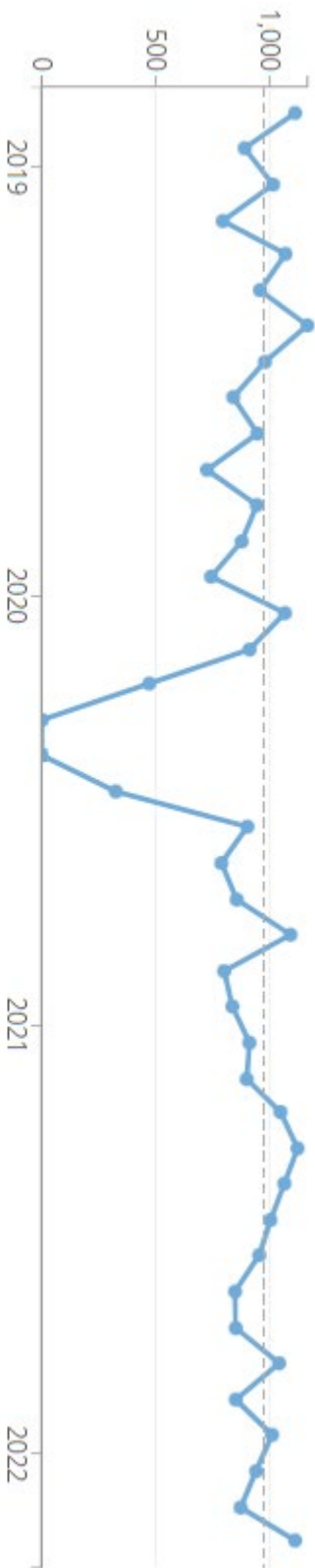
Scott Bouchie || Sheri Collins || Laura Hyneman

Department's Purpose

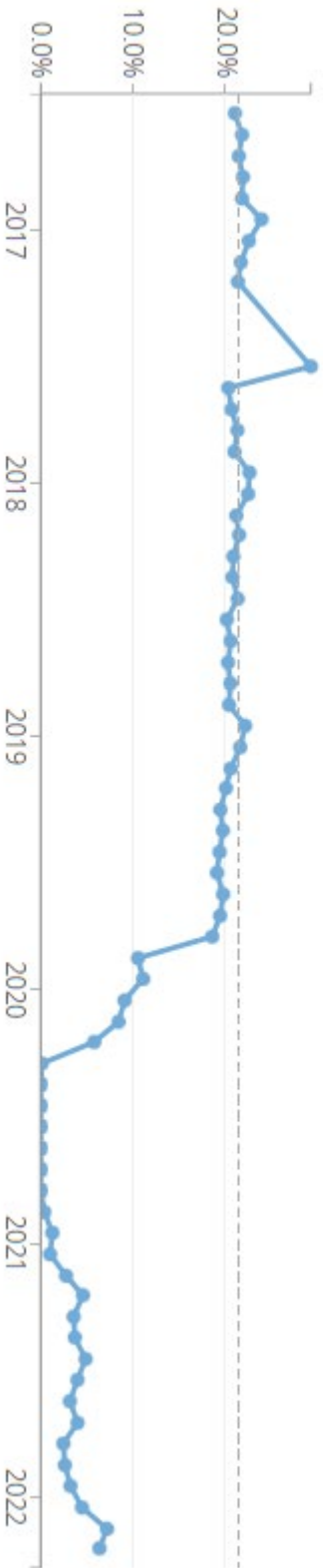
To provide a clean, healthy environment for our community with a focus on reducing carbon emissions, increasing use of renewable energy and reducing waste.



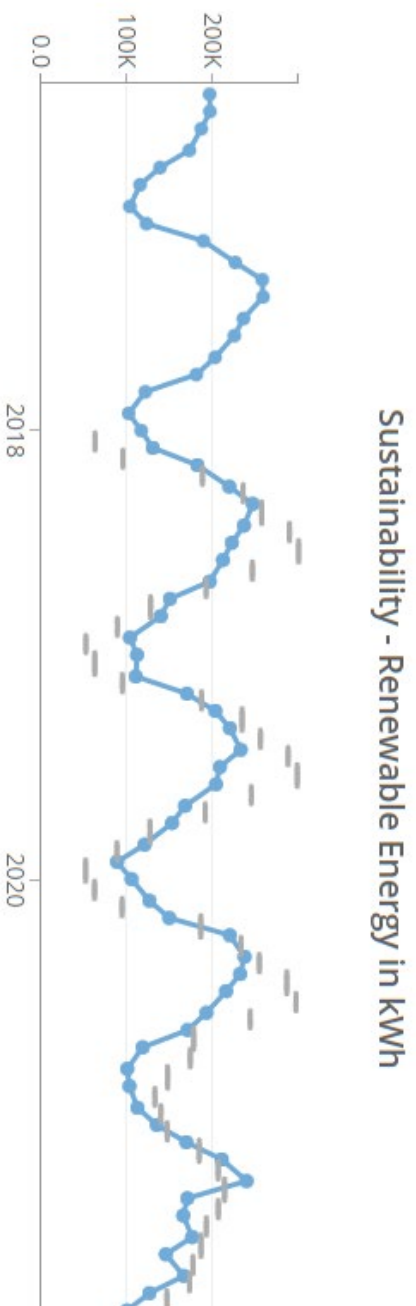
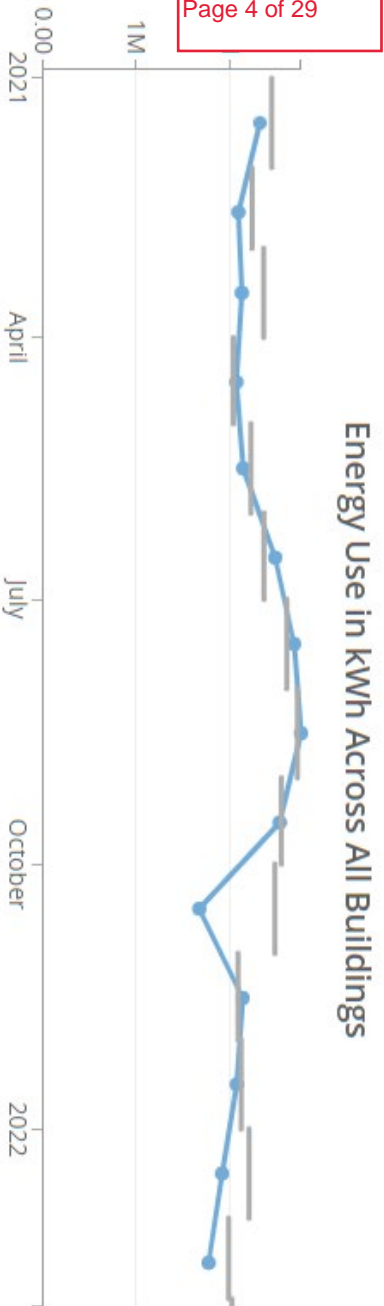
Household Hazardous Materials Facility Users



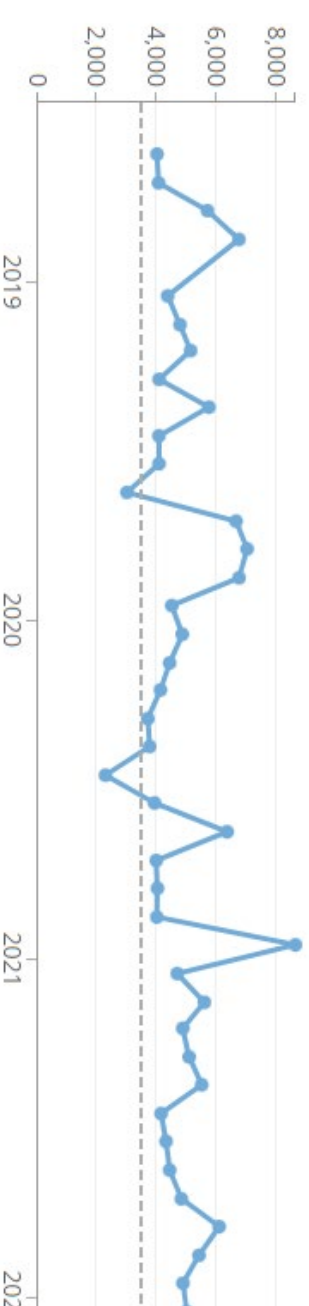
Recycle Blue Barrel Diversion Rate (% of total trash that is recycled)



Performance Measures: Solid Waste



Sustainability - Public Outreach and Engagement



Performance & Environmental Sustainability Measures:

FY 22/23 Budget Enhancements

8 Additional

Operators

Allows the department to maintain adequate service levels for a growing City as well as balance workload.

Routing

Specialist

Allows the department to continue to maintain efficiencies in balanced routing operations.

2 Front Load

Trucks

Allows the department to continue to service the growing commercial sector within the City.

1 Container

Truck

Allows the department to continue to service the growing commercial sector within the City.

1 ASL Truck

Allows the department to continue to service the growing residential sector within the City, specifically within Southeast Mesa.

Expenditure Summary - Solid Waste Management

	FY 20/21 Year End Actuals	FY 21/22 Revised Budget	FY 21/22 Year End Estimate	FY 22/23 Proposed Budget
Core Business Process				
Solid Waste Operations				
Support & Administration	\$5.6	\$7.1	\$7.2	\$7.7
Barrel Collection	\$18.5	\$17.5	\$19.5	\$19.8
Bin Collection	\$5.6	\$6.7	\$6.4	\$7.3
Roll-Off and				
Neighborhood Cleanup	\$2.2	\$2.6	\$2.3	\$2.5
Household Hazardous				
Waste	\$0.6	\$1.2	\$1.2	\$0.9
Recycling Outreach &				
Education	\$0.4	\$0.6	\$0.6	\$0.6
Total	\$32.9	\$35.7	\$37.2	\$38.8
Total FTE	150.0	150.0	150.0	159.0

Dollars in Millions

Expenditure Summary - Environmental and Sustainability

	FY 20/21 Year End Actuals	FY 21/22 Revised Budget	FY 21/22 Year End Estimate	FY 22/23 Proposed Budget
Core Business Processes				
Water Quality	\$0.2	\$0.3	\$0.3	\$0.3
Air Quality	\$0.2	\$0.2	\$0.2	\$0.2
Hazardous Materials/Waste	\$0.2	\$0.2	\$0.2	\$0.2
Storage Tanks	\$0.1	\$0.2	\$0.2	\$0.5
Sustainability	\$1.0	\$1.2	\$0.9	\$1.3
Asbestos & Lead	\$0.1	\$0.1	\$0.2	\$0.2
Total	\$1.8	\$2.2	\$2.0	\$2.7

Total FTE	11	11	11	11
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* Earned \$300,000 in SRP energy efficiency rebates in FY22

Dollars in Millions

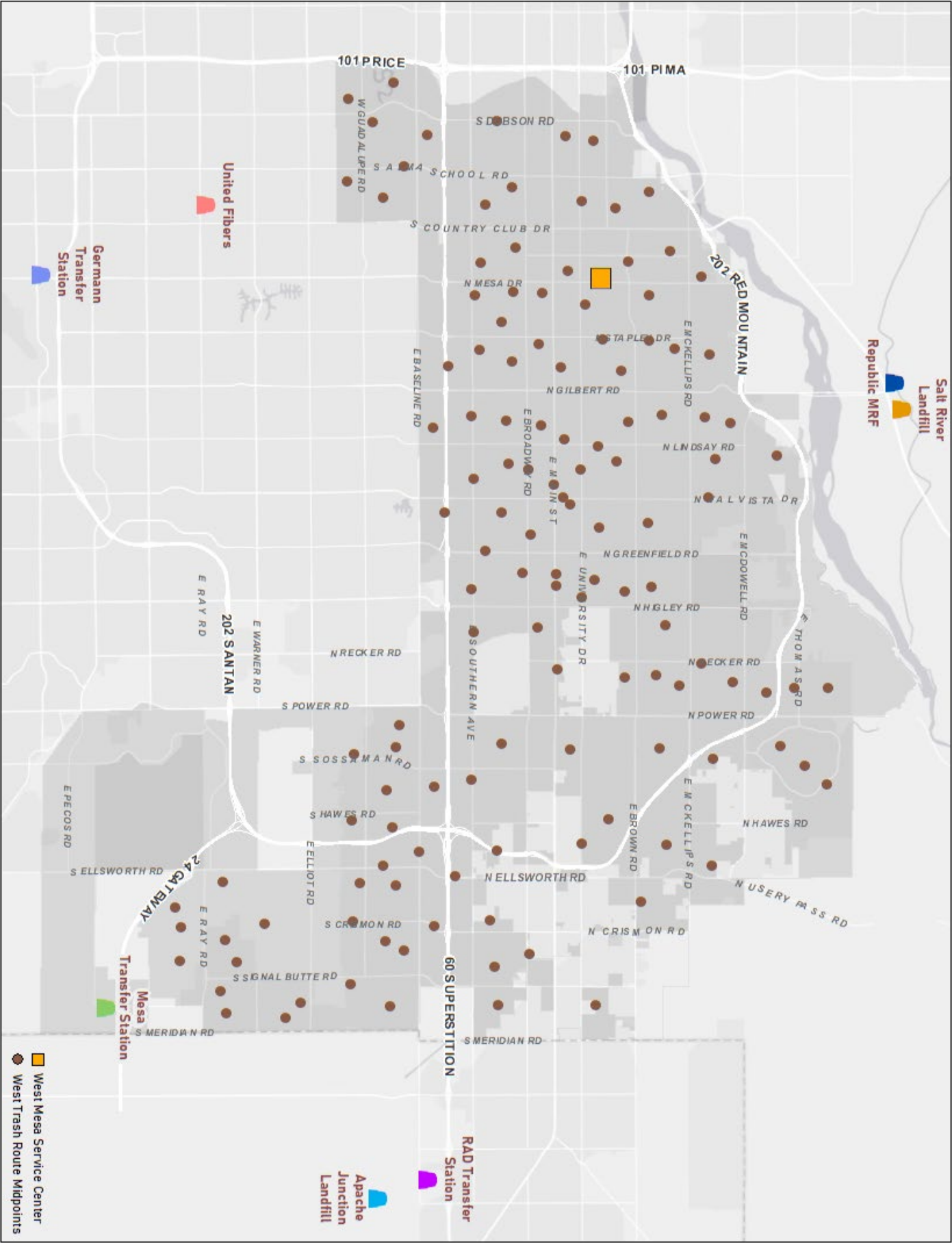
Recycling Update

Current State of Recycling

- United Fibers Contract
 - Final extension of existing contract ends 12/31/22
 - 12,500 annual tons max
 - Current cost \$35/ton, no revenue share

Future State of Recycling

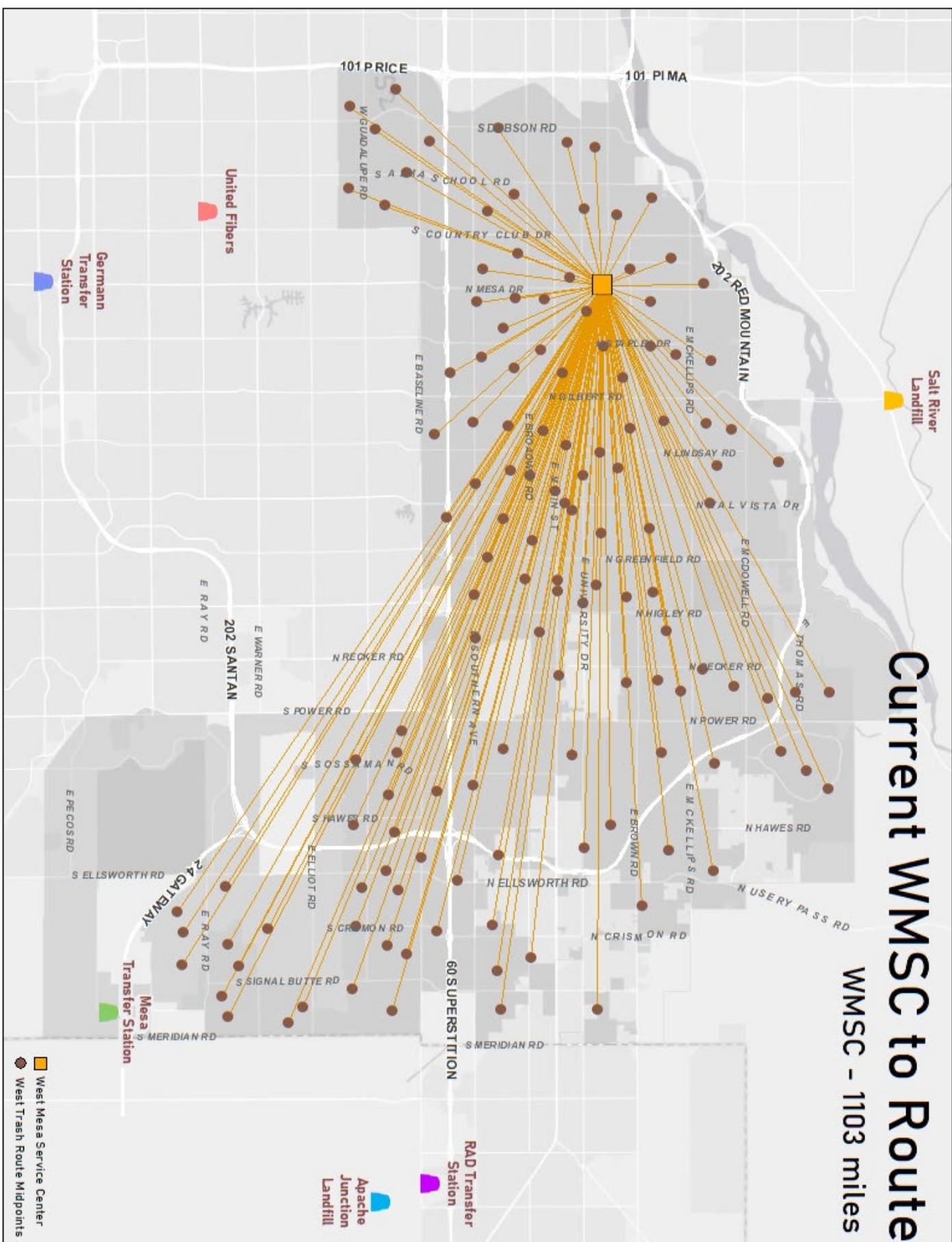
- Issue RFP for Recycling Materials
- Contract in place by 1/1/23
- Goal: All recycling materials have a facility
- Feasibility Study

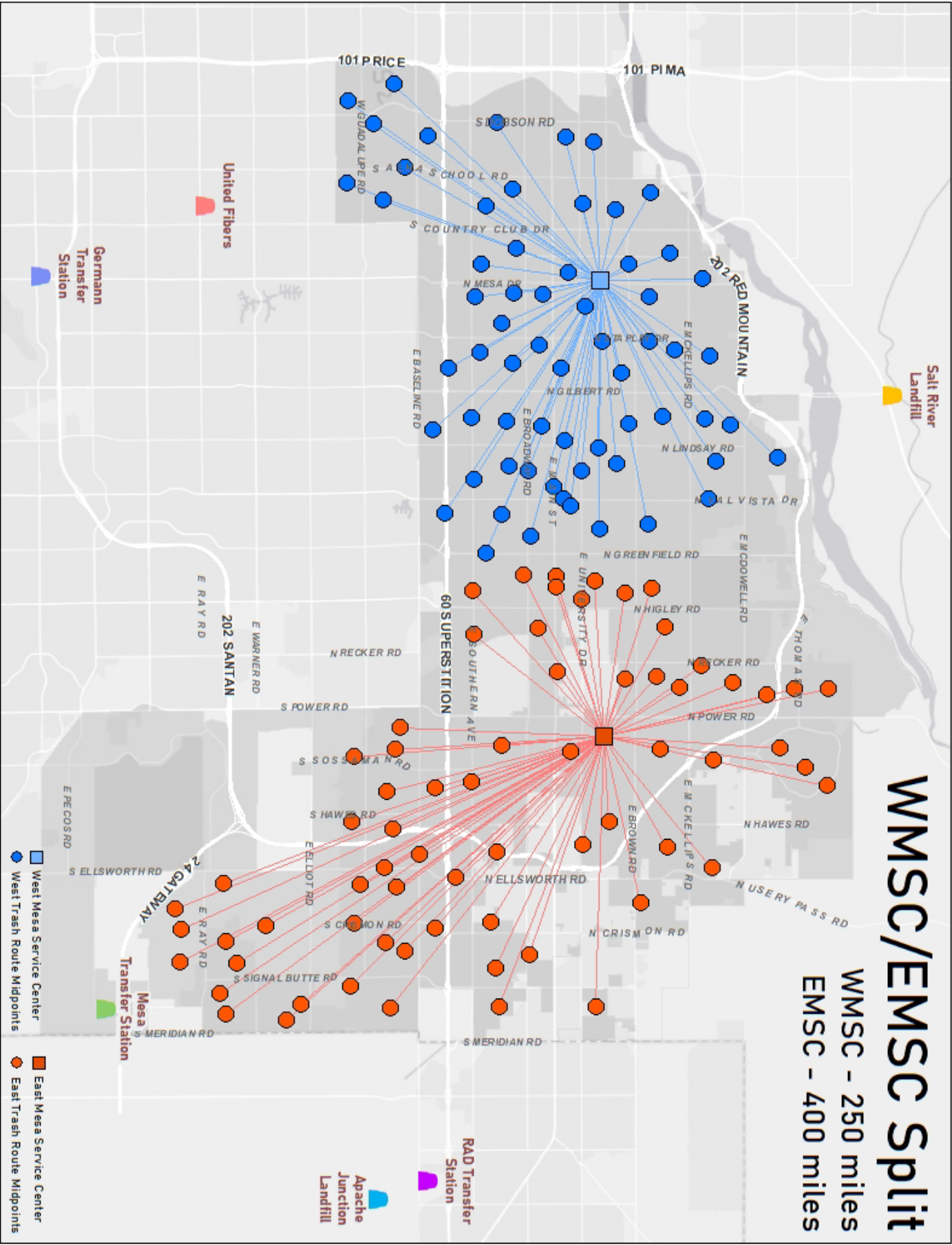


Infrastructure Update

Recommendations

- Phased approach
- Splitting operations between East Mesa and West Mesa
- Transfer Station/Materials Recovery Facility (MRF)





Infrastructure Update

Next Steps

- Funding identified for splitting operations
- Regional partnership discussions

CITY COUNCIL STUDY SESSION | APRIL, 2022



The logo features the City of Mesa 'mesa·az' logo at the top, which includes a stylized mountain and sun icon. Below this is a large green leaf graphic. The words 'CLIMATE' and 'ACTION PLAN' are written in large, bold, sans-serif fonts. 'CLIMATE' is in blue and 'ACTION PLAN' is in green. Below the main title, the phrase 'For a Sustainable Community' is written in a smaller, blue, sans-serif font.

CLIMATE ACTION PLAN

For a Sustainable Community

CITY OF MESA 2021 | [MESA.AZ.GOV/CLIMATEACTION](https://mesaaz.gov/climateaction)

SCOTT BOUCHIE AND LAURA HYNEMAN,
ENVIRONMENTAL MANAGEMENT & SUSTAINABILITY



Overview

Path to Achieving MCAP Goals

Tracking Progress

Projects Funded and Underway

Proposed \$10,000,000 Projects

Summary

CITY OF MESA CLIMATE ACTION PLAN: FOR A SUSTAINABLE COMMUNITY

ASPIRATIONAL GOALS



ASPIRATIONAL GOAL #1: **Carbon Neutrality**

- Achieve carbon neutrality by 2050 by reducing greenhouse gas emissions and enhancing carbon sinks
- Strive to reduce the carbon footprint of City Operations by 50% by 2030



ASPIRATIONAL GOAL #2: **Renewable Energy**

- Prioritize the use of renewable, resilient energy to achieve 100% renewable energy by 2050



ASPIRATIONAL GOAL #3: **Materials Management**

- Manage material responsibly and divert 90% waste from the landfill by 2050



ASPIRATIONAL GOAL #4: **Community Action**

- Develop community-based action items to be incorporated into the Plan

CITY OF MESA CLIMATE ACTION PLAN: FOR A SUSTAINABLE COMMUNITY

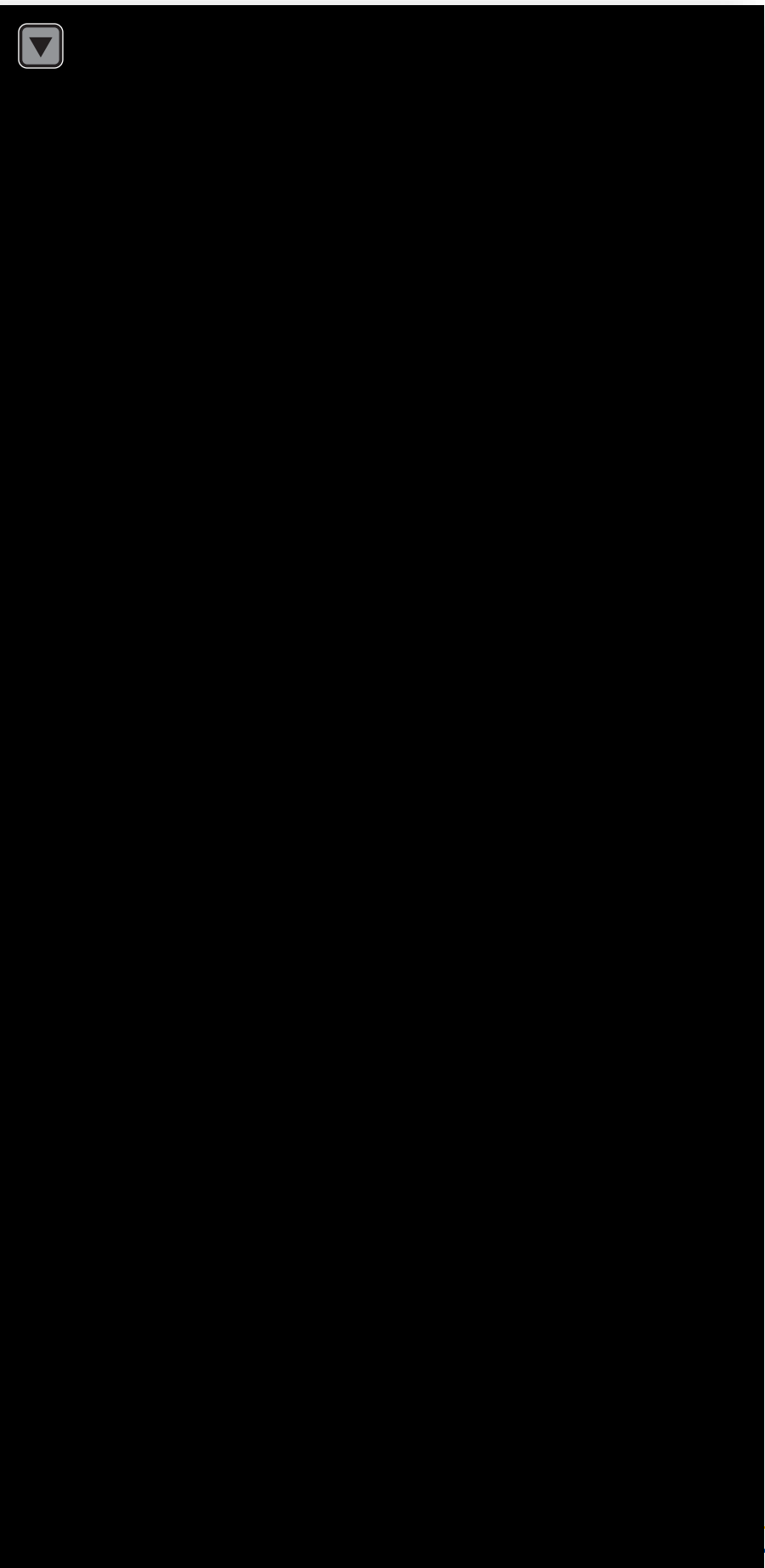
Path to Achieving MCAP Goals

Milestones	Carbon Neutrality	Renewable Energy		Materials Management
	GHG Emissions (MTCO2e)	Renewable Energy		Tons Diverted
		Electric	RNG	
MCAP 2021	97,243	2%	0%	Not Measured
2025	72,932	25%	23%	Initiate Programs
2030	48,622	50%	50%	Optimize Programs
2050	0	100%	100%	90% Diversion

- Existing projects & market conditions
- Mesa’s investment in projects

CITY OF MESA CLIMATE ACTION PLAN: FOR A SUSTAINABLE COMMUNITY

MCAP Data Dashboard



Data Portal -
Healthy
Environment
Council Initiative

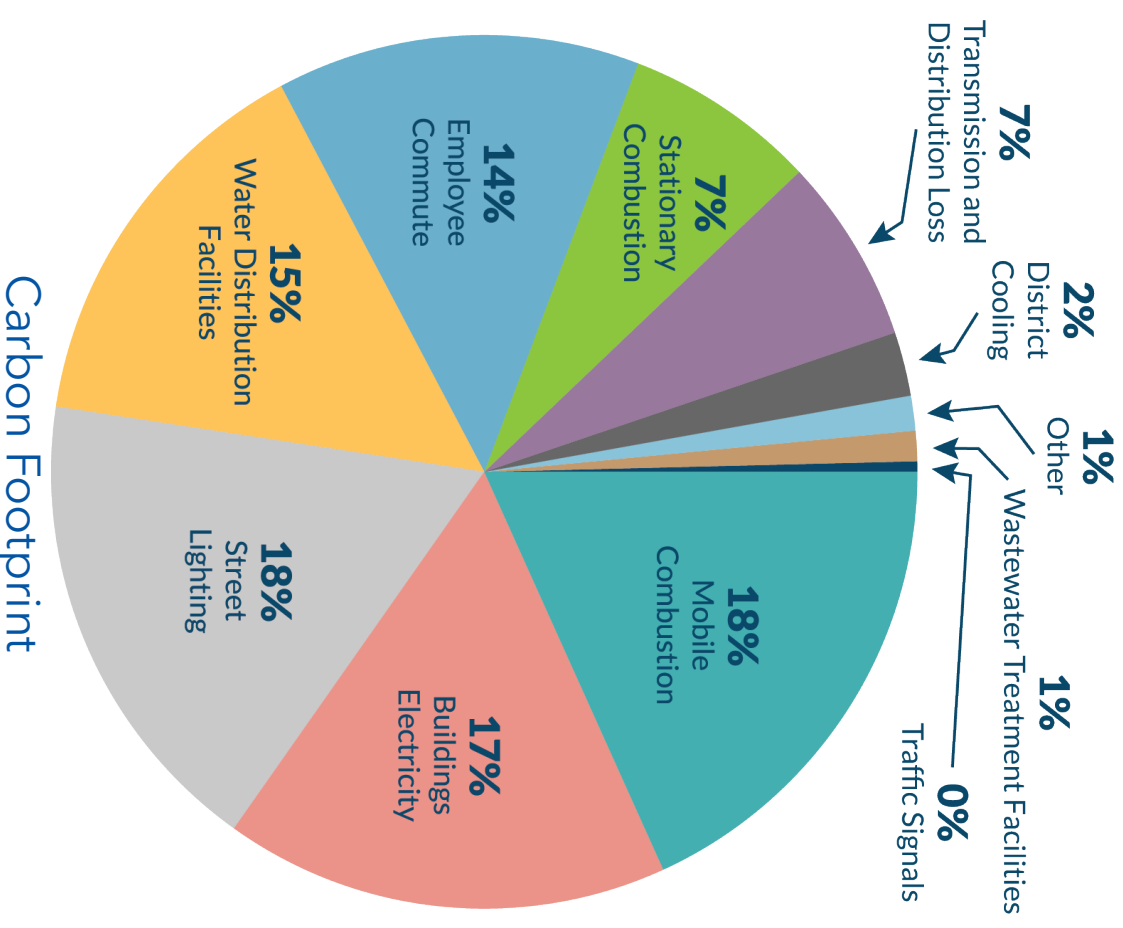
CITY OF MESA CLIMATE ACTION PLAN: FOR A SUSTAINABLE COMMUNITY

MESA.AZ.GOV/CLIMATEACTION



Projects Underway

- Energy Management Systems
- Solar Projects
- Utility-Scale Solar
- Streetlight Replacement Project
- Equipment Upgrades
- Smart Utility Meters (AMI)
- Teleworking
- Fleet Electrification



CITY OF MESA CLIMATE ACTION PLAN: FOR A SUSTAINABLE COMMUNITY

eet Electrification



Fleet Vehicles:

- 2 Plug-in hybrid EVs
- 29 EV Lightning pick-up trucks

Charging Stations:

- West Mesa Service Center
- East Mesa Service Center
- Additional City sites

Coordination with Utilities

CITY OF MESA CLIMATE ACTION PLAN: FOR A SUSTAINABLE COMMUNITY

MESA.AZ.GOV/CLIMATEACTION

V Charging Downtown



Open To The Public - Fee-Based
11 Stations - Upgraded

- Library
 - Mesa Arts Center
 - Convention Center
 - ECO Mesa public parking
- 11 New Charging Stations (In Design)
- Mesa City Plaza
 - Mesa Arts Center

CITY OF MESA CLIMATE ACTION PLAN: FOR A SUSTAINABLE COMMUNITY

[MESA.AZ.GOV/CLIMATEACTION](https://mesaaz.gov/climateaction)

EV Charging Master Plans



ELECTRIC VEHICLE



City Property

- 68 City sites with fleet parking
- City sites with public access
- Parks, libraries and rights-of-way

Communitywide

- Downtown development
- Partner with SRP Electric
- Collaborate with property owners and developers
- Collaborate with Mesa businesses

CITY OF MESA CLIMATE ACTION PLAN: FOR A SUSTAINABLE COMMUNITY

MESA.AZ.GOV/CLIMATEACTION

Proposed MCAP Projects

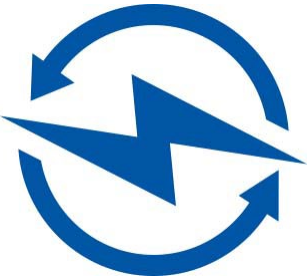
- \$10M set aside for MCAP Projects
- MCAP Projects Ranking Tool developed
- Departments across the City are engaged
- 50 projects were evaluated

CITY OF MESA CLIMATE ACTION PLAN: FOR A SUSTAINABLE COMMUNITY

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Project Ranking Tool

CATEGORY	SCORING
Goal #1 – Carbon Neutrality	100 points
Goal #2 – Renewable Energy	100 points
Goal #3 – Materials Management	100 points
GHG Emission Reduction	MTCO2e value
MTCO2e/\$1000 spent	Calculation
Renewable Energy	% of total energy
Resiliency of Operations	Scale



CITY OF MESA CLIMATE ACTION PLAN: FOR A SUSTAINABLE COMMUNITY

Proposed Project List

PROJECT DESCRIPTION	AMOUNT	MTCO ₂ e REDUCED*	TOTAL POINTS
Community EV Master Plan	\$200,000	8,300	8,650
Flare to Fuel Project	\$5,457,000	1,676	2,080
Lighting @ City Buildings	\$1,451,000	770	1,070
Solar @ Red Mountain Ballfields	\$120,000	67	443
Lighting @ Red Mountain Park	\$2,772,000	55	330
Total	\$10,000,000	10,953	

*MTCO₂e = metric tons carbon dioxide equivalent emissions

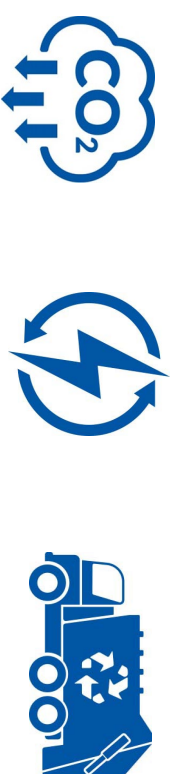
CITY OF MESA CLIMATE ACTION PLAN: FOR A SUSTAINABLE COMMUNITY

are to Fuel Project*



*Step 1 - Food Waste to Energy Project

Existing Funding - \$5,119,000
Requested Funding - \$5,457,000



Benefits:

- Resiliency
- Emissions and Waste Reduction
- Waste to Resource

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Energy Projects



Reduce energy
Transition to renewable energy



- Benefits:
- Resiliency
 - Reduce Emissions and Hazardous Waste
 - Sustainable Supply

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Summary – Impact of \$10M Investment

Milestones	Carbon Neutrality	Renewable Energy		Materials Management
	GHG Emissions (MTCO2e)	Renewable Energy		Tons Diverted
		Electric	RNG	
MCAP 2021	97,243	2%	0%	Unknown
Proposed Projects	-10,953*	+2%	+23%	Unknown

*EV Master Plan will reduce community emissions

QUESTIONS

