Fleet Service

Capital Improvement Plan

	2022 Adopted	2023 Request	Change
2023 Capital Budget	12,435,000	13,746,000	1,311,000
2023 Capital Improvement Plan*	68,510,000	78,238,000	9,728,000

*Years 2023 to 2027 used for comparison.

	2022	2023
Number of Projects	3	3

Project Summary: Agency Request

	2023	2024	2025	2026	2027	2028
Electric Heavy Trucks and Infrastructure	800,000	800,000	1,650,000	1,650,000	1,650,000	1,650,000
Fire Apparatus / Rescue Veh	3,450,000	4,110,000	2,580,000	3,600,000	5,100,000	5,000,000
Fleet Equipment Replacement	9,496,000	9,832,000	10,700,000	11,360,000	11,460,000	10,400,000
Total	13,746,000	14,742,000	14,930,000	16,610,000	18,210,000	17,050,000

2023 Capital Improvement Plan
2022 Adopted vs. 2023 Agency Request
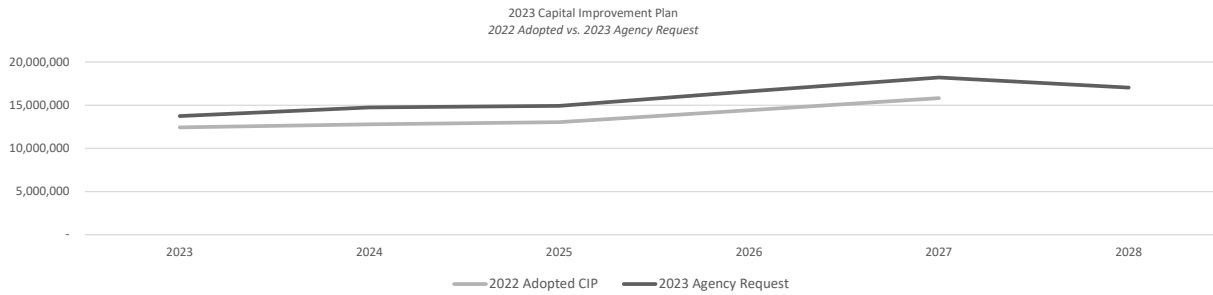
Major Changes/Decision Points

Fire Apparatus / Rescue Vehicles
- Program budget increased $3.1m from 2023 to 2027, including $415k in 2023 to reflect a 15% increase in costs due to supply issues affecting raw material, manufacturing, and shipping costs

Fleet Equipment Replacement
- Program budget increased $6.6m from 2023 to 2027, including $900k in 2023 to support a 15% increase in costs due to supply issues affecting raw material, manufacturing, and shipping costs

Date:	April 22, 2022
To:	David Schmiedicke, Finance Department
From:	Mahanth Joishy, Fleet
Re:	Fleet 2023 Budget Requests

_____

Goals of Overall Capital Budget The Fleet Service 2023 capital budget reflects a fleet continuing its dramatic transformation into a more environmentally sustainable, efficient, and safer operation. Madison has received national awards for these efforts, serves as a model for other cities and private fleets, and all of #TeamCity deserves credit for every project involves deep coordination with sister agencies such as yours. To continue the transition methodically, we are maintaining a strong annual replacement cycle for vehicles and equipment with meticulous input from all sister agencies for 2023 to keep us on track to be no less than the greenest fleet in America in the next few years.

Summary of Changes from 2022 CIP Inflation is a problem in general, but particularly bad in the automotive industry. After consulting with my senior staff team, we are asking for an increase to match the 15% inflation for new vehicles and equipment, that too with long delays due to supply chain woes. The alternative is unfortunately to simply procure 15% less vehicles for our front line agencies.

Prioritized Capital Requests The top budget priorities are the replacement of nearly 100 aging vehicles and fire apparatus, and the commitment to buying electric vehicle (EV) trucks to usher Madison's heavy duty, highly polluting diesel fleet into the 21st century of green technology. This fleet conversion is one of the publicly announced, central pillars of Mayor Satya Rhodes-Conway's "Climate Forward" plan. There are many challenges in these goals, including the heavy infrastructure work and costs. Those are also reflected here.

2023 Capital Improvement Plan
Program Budget Proposal

Identifying Information

Agency   Fleet Service   **Proposal Name**   Electric Heavy Trucks and Infrastructure

Project Number   13625   **Project Type**   Program

Project Category Transportation   **Priority:**   3

2023 Project Number

Description

This project is to fund the incremental costs associated with replacing diesel powered heavy duty trucks with electric heavy duty trucks. These vehicles have a much higher initial cost to purchase and require infrastructure equipment and upgrades. The scope of this project is to fund electric refuse trucks for the Streets and Parks divisions. The funding will also provide the necessary charging infrastructure equipment and installation.

Does the project/program description require updates? If yes, please include below.

Alignment with Strategic Plans and Citywide Priorities

Citywide Element: Green and Resilient

Strategy   Increase the use and accessibility of energy efficiency upgrades and renewable energy.

Describe how this project/program advances the Citywide Element:

Since 2018 we have led the local electric vehicle (EV) revolution, going from 0 EVs in 2018 to 70 today, along with over 145 gas-electric hybrids. We are a leading user of biodiesel and among the recognized greenest fleets in the nation. Many other jurisdictions are following our lead. Fleet is working to implement even more, newer, greener alternative fuel assets. This project is to fund the incremental cost differences of heavy duty EVs. The initial increased cost in general will be recovered during the life span of the asset while producing lower emissions and less noise pollution. This project will also cover the initial infrastructure costs to install charging station of these assets.

Other Strategic Plans:

Does the project/program advance goals in a Citywide agenda or strategic plan other than Imagine Madison (e.g. Climate Forward, Housing Forward, Metro Forward, Vision Zero)?   ⦿ Yes ○ No

If yes, specify which plan(s) the project/program would advance and describe how the project/program will help the City meet its strategic goals.

Fleet Service has incorporated Imagine Madison's element Green and Resilient in to all services that we provide. Fleet Service is leading our division to become the most sustainable Fleet in Wisconsin and nationally. We only purchase low to zero emission vehicles and equipment for the fleet. These efforts have greatly reduced the emissions produced by our fleet.

Racial Equity and Social Justice

We are continuing our efforts to articulate and prioritize racial equity and social justice in the City's budget and operations. Please respond to the following questions and incorporate these responses into your budget narrative to ensure racial equity is included in decision-making.

Is the proposed project/program primarily focused on maintenance or repair?   ⦿ Yes ○ No

Describe how routine maintenance and/or scheduled repair considers equity and quality of life for residents. Describe how you use an equity lens to prioritize maintenance and/or repair projects.

Fleet is aggressively looking for women and BIPOC owned businesses to work with for our entire Capital budget, and leading a national public call for information on this exact topic.

Is the proposed budget or budget change related to a recommendation from a Neighborhood Resource Team (NRT)?   ○ Yes ⦿ No

Climate Resilience and Sustainability

Does this project/program improve the city's climate resilience or sustainability by addressing climate change impacts, reducing GHG emissions, improving energy efficiency, growing a climate-friendly economy, or reducing the environmental impact of city   ⦿ Yes ○ No

assets or operations?

If yes, describe how.

> Replacing fleet vehicles that are due for replacement maximizes sustainability and safety. Every new model year vehicles and equipment are produced with more advanced technology. This technology keeps the fleet more fuel efficient and safe, some examples include, anti-idle, stop/start and collision mitigation. Later model vehicles/equipment have lower maintenance/repair costs and the added technology will reduce collisions and preventable repairs. Fuel efficiency has become more important than ever.

Budget Information

Prior Appropriation*		2016-2021 Actuals		2022 Budget	$850,000
*Based on Fiscal Years 2016-2021	$0		$3,560		

Budget by Funding Source

Funding Source		2023	2024	2025	2026	2027	2028
Borrowing - Non-GF GO	⌄	800,000	800,000	1,650,000	1,650,000	1,650,000	1,650,000
Total		$800,000	$800,000	$1,650,000	$1,650,000	$1,650,000	$1,650,000

▣ Insert Funding Source

If TIF or Impact Fee funding source, which district(s)?

Budget by Expenditure Type

Expense Type		2023	2024	2025	2026	2027	2028
Machinery and Equipment	⌄	800,000	800,000	1,650,000	1,650,000	1,650,000	1,650,000
Total		$800,000	$800,000	$1,650,000	$1,650,000	$1,650,000	$1,650,000

▣ Insert Expense Type

Explain any changes from the 2022 CIP in the proposed funding for this project/program.

No Changes

Project Schedule & Location

2023 Projects

Project Name	Est Cost	Location

▣ Insert item

2024 Projects

Project Name	Est Cost	Location

▣ Insert item

2025 Projects

Project name	Est Cost	Location

▣ Insert item

2026 Projects

Project name	Est Cost	Location

▣ Insert item

2027 Projects

Project name	Est Cost	Location

▣ Insert item

2028 Projects

Project Name	Est Cost	Location

▣ Insert item

Operating Costs

Projects/Programs with a technological component will be required to follow City of Madison information technology policies and procedures for software/hardware acquisition and project support by IT staff. Answer the following questions below and upload relevant supplemental materials to your agency's SharePoint folder.

Over the next six years, will the project/program require any of the following IT resources?   ○ Yes ○ No

Electronic hardware that will be connected to a City device in any manner, including wireless, bluetooth, NFC, etc.?   ○ Yes ◉ No

Software (either local or in the cloud)?	○ Yes ◉ No
A new website or changes to an existing sites?	○ Yes ◉ No

For projects/programs requesting new software/hardware:

Have you submitted a Software/Hardware Request form? IT New Software Request Form	○ Yes ◉ No
Have you submitted an IT project request form? IT Project Request Form	○ Yes ◉ No
Have you worked with IT to complete an IT Budget Analysis form? If yes, please upload your agency's capital SharePoint folder.	○ Yes ◉ No

Changes to existing hardware/ software:

Will any existing software or processes need to be modified to support this project/program or initiative?	○ Yes ◉ No
If yes, have you uploaded a plan for incorporating those changes to your agency's capital SharePoint folder? Agency Capital Materials	○ Yes ◉ No

Surveillance Technology:

Do you believe any of the hardware or software to be considered surveillance technology? Surveillance technology is defined in MGO Sec. 23.63(2) .	○ Yes ◉ No
If yes, have you submitted the surveillance request form to your agency's capital SharePoint folder? Surveillance Budget Request Attachment	○ Yes ◉ No

Other Operating Costs

In addition to IT costs, projects/programs may have other operational impacts. Over the next six years, will the project/program require any of the following?	○ Yes ○ No
Facilities/land maintenance?	○ Yes ◉ No
Vehicle setup or maintenance costs?	○ Yes ◉ No
External management or consulting contracts?	○ Yes ◉ No
How many additional FTE positions required for ongoing operations of this project/program?	[ ]

Estimate the project/program annual operating costs by major.

Major	*Annual Cost*	*Description*
[ ]	[ ]	[ ]

▣ Insert item

[Save]	[Submit]

Notes

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[   ]

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[Save and Close]

Submitted

2023 Capital Improvement Plan
Program Budget Proposal

Identifying Information

Agency	Fleet Service	**Proposal Name**	Fire Apparatus / Rescue \
Project Number	12504	**Project Type**	Program
Project Category	Other	**Priority:**	2
2023 Project Number			

Description

This program is for purchasing fire apparatus and rescue vehicles. The goal of the program is to maintain a high quality fleet of fire apparatus and emergency vehicles. Program success is measured by analyzing daily availability rates of the fire fleet. Funding in 2022 will be used for five vehicles/pieces of equipment, including command cars and ambulance replacement/remounting.

Does the project/program description require updates? If yes, please include below.

Alignment with Strategic Plans and Citywide Priorities

Citywide Element: Green and Resilient

Strategy Increase the use and accessibility of energy efficiency upgrades and renewable energy.

Describe how this project/program advances the Citywide Element:

This program is for replacing exsiting fire apparatus and rescue vehicles that have reached the end of ttheir useful life. The goal of the program is to maintain high quality fleet of fire apparatus and emergency vehicles. Equipment funded through this program includes replacing new ladder trucks, ambulances, and related equipment. Funding in 2022 is for

Other Strategic Plans:

Does the project/program advance goals in a Citywide agenda or strategic plan other than Imagine Madison (e.g. Climate Forward, Housing Forward, Metro Forward, Vision Zero)?   ⦿ Yes ○ No

If yes, specify which plan(s) the project/program would advance and describe how the project/program will help the City meet its strategic goals.

Fleet Service has incorporated Imagine Madison's element Green and Resilient in to all services that we provide. Fleet Service is leading our division to become the most sustainable Fleet in Wisconsin and nationally. We only purchase low to zero emission vehicles and equipment for the fleet. These efforts have greatly reduced the emissions produced by our fleet.

Racial Equity and Social Justice

We are continuing our efforts to articulate and prioritize racial equity and social justice in the City's budget and operations. Please respond to the following questions and incorporate these responses into your budget narrative to ensure racial equity is included in decision-making.

Is the proposed project/program primarily focused on maintenance or repair?   ⦿ Yes   ○ No

Describe how routine maintenance and/or scheduled repair considers equity and quality of life for residents. Describe how you use an equity lens to prioritize maintenance and/or repair projects.

Fleet is aggressively searching nationwide for women and BIPOC owned businesses with whom to spend our significant Capital.

Is the proposed budget or budget change related to a recommendation from a Neighborhood Resource Team (NRT)?   ○ Yes ⦿ No

Climate Resilience and Sustainability

Does this project/program improve the city's climate resilience or sustainability by addressing climate change impacts, reducing GHG emissions, improving energy efficiency, growing a climate-friendly economy, or reducing the environmental impact of city assets or operations?   ◉ **Yes** ○ **No**

If yes, describe how.

Replacing fleet vehicles that are due for replacement maximizes sustainability and safety. Every new model year vehicles and equipment are produced with more advanced technology. This technology keeps the fleet more fuel efficient and safe, some examples include, anti-idle, stop/start and collision mitigation. Later model vehicles/equipment have lower maintenance/repair costs and the added technology will reduce collisions and preventable repairs.

Budget Information

Prior Appropriation*	*$7,301,300*	**2016-2021 Actuals**	$6,884,480	**2022 Budget**	$3,205,000

*Based on Fiscal Years 2016-2021

Budget by Funding Source

Funding Source	2023	2024	2025	2026	2027	2028
Borrowing - Non-GF GO	3,450,000	4,110,000	2,580,000	3,600,000	5,100,000	5,000,000
Total	$3,450,000	$4,110,000	$2,580,000	$3,600,000	$5,100,000	$5,000,000

If TIF or Impact Fee funding source, which district(s)?

Budget by Expenditure Type

Expense Type	2023	2024	2025	2026	2027	2028
Machinery and Equipment	3,450,000	4,110,000	2,580,000	3,600,000	5,100,000	5,000,000
Total	$3,450,000	$4,110,000	$2,580,000	$3,600,000	$5,100,000	$5,000,000

Explain any changes from the 2022 CIP in the proposed funding for this project/program.

Additional 15% increase for 2023 and up due to supply issues causing massive increases across the board for raw materials, manufacturing and shipping.

Project Schedule & Location

2023 Projects

Project Name	Est Cost	Location

2024 Projects

Project Name	Est Cost	Location

2025 Projects

Project name	Est Cost	Location

2026 Projects

Project name	Est Cost	Location

2027 Projects

Project name	Est Cost	Location

2028 Projects

Project Name	Est Cost	Location

Operating Costs

Projects/Programs with a technological component will be required to follow City of Madison information technology policies and procedures for software/hardware acquisition and project support by IT staff. Answer the following questions below and upload relevant supplemental materials to

your agency's SharePoint folder.

Over the next six years, will the project/program require any of the following IT resources?   ○ Yes ○ No

    Electronic hardware that will be connected to a City device in any manner, including wireless, bluetooth, NFC, etc.?   ○ Yes ◉ No

    Software (either local or in the cloud)?   ○ Yes ◉ No

    A new website or changes to an existing sites?   ○ Yes ◉ No

For projects/programs requesting new software/hardware:

    Have you submitted a Software/Hardware Request form?   ○ Yes ◉ No
    IT New Software Request Form

    Have you submitted an IT project request form?   ○ Yes ◉ No
    IT Project Request Form

    Have you worked with IT to complete an IT Budget Analysis form? If yes, please upload your agency's capital SharePoint folder.   ○ Yes ◉ No

Changes to existing hardware/ software:

    Will any existing software or processes need to be modified to support this project/program or initiative?   ○ Yes ◉ No

    If yes, have you uploaded a plan for incorporating those changes to your agency's capital SharePoint folder?   ○ Yes ◉ No
    Agency Capital Materials

Surveillance Technology:

    Do you believe any of the hardware or software to be considered surveillance technology? Surveillance technology is defined in MGO Sec. 23.63(2) .   ○ Yes ◉ No

    If yes, have you submitted the surveillance request form to your agency's capital SharePoint folder?   ○ Yes ◉ No
    Surveillance Budget Request Attachment

Other Operating Costs

In addition to IT costs, projects/programs may have other operational impacts. Over the next six years, will the project/program require any of the following?   ○ Yes ○ No

    Facilities/land maintenance?   ○ Yes ◉ No

    Vehicle setup or maintenance costs?   ◉ Yes ○ No

    External management or consulting contracts?   ○ Yes ◉ No

    How many additional FTE positions required for ongoing operations of this project/program?   `0.00`

Estimate the project/program annual operating costs by major.

Major	*Annual Cost*	*Description*

Notes

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Submitted

2023 Capital Improvement Plan
Program Budget Proposal

Identifying Information

Agency	Fleet Service	**Proposal Name**	Fleet Equipment Replace
Project Number	17060	**Project Type**	Program
Project Category	Other	**Priority:**	1
2023 Project Number			

Description

This program funds the replacement of the City's general fleet. The program's goal is to replace vehicles in accordance with the master replacement schedule ensuring city staff have access to safe, reliable vehicles when providing their services. Funding in 2022 will be used to purchase 125 pieces of equipment, including replacement of City sedans, trucks, refuse equipment, mowers, tractors, trailers, and Police squads.

Does the project/program description require updates? If yes, please include below.

Alignment with Strategic Plans and Citywide Priorities

Citywide Element:	Green and Resilient
Strategy	Increase the use and accessibility of energy efficiency upgrades and renewable energy.

Describe how this project/program advances the Citywide Element:

This program funds the annual equipment replacement of the City's general fleet. The goal of the program is to replace vehicles in accordance with the master replacement schedule ensuring City staff have access to safe, reliable vehicles when providing City services. Vehicles purchased under this program support most City agencies including Traffic Engineering, Streets, and Parks. Funding in 2021 will be used to purchase about 125 pieces of equipment.

Other Strategic Plans:

Does the project/program advance goals in a Citywide agenda or strategic plan other than Imagine Madison (e.g. Climate Forward, Housing Forward, Metro Forward, Vision Zero)? ● Yes ○ No

If yes, specify which plan(s) the project/program would advance and describe how the project/program will help the City meet its strategic goals.

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Racial Equity and Social Justice

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Is the proposed project/program primarily focused on maintenance or repair? ● Yes ○ No

Describe how routine maintenance and/or scheduled repair considers equity and quality of life for residents. Describe how you use an equity lens to prioritize maintenance and/or repair projects.

Fleet is aggressively looking for women and BIPOC businesses with whom to spend our substantial Capital needs.

Is the proposed budget or budget change related to a recommendation from a Neighborhood Resource Team (NRT)? ○ Yes ● No

Climate Resilience and Sustainability

Does this project/program improve the city's climate resilience or sustainability by addressing climate change impacts, reducing GHG emissions, improving energy efficiency, growing a climate-friendly economy, or reducing the environmental impact of city assets or operations?   ● Yes ○ No

If yes, describe how.

Replacing fleet vehicles that are due for replacement maximizes sustainability and safety. Every new model year vehicles and equipment are produced with more advanced technology. This technology keeps the fleet more fuel efficient and safe, some examples include, anti-idle, stop/start and collision mitigation. Later model vehicles/equipment have lower maintenance/repair costs and the added technology will reduce collisions and preventable repairs.

Budget Information

Prior Appropriation*	2016-2021 Actuals	2022 Budget
$16,575,710	$16,029,350	$8,557,109

*Based on Fiscal Years 2016-2021

Budget by Funding Source

Funding Source	2023	2024	2025	2026	2027	2028
Borrowing - Non-GF GO	7,296,000	7,632,000	8,400,000	9,060,000	9,060,000	8,000,000
Transfer In From General Fund	2,200,000	2,200,000	2,300,000	2,300,000	2,400,000	2,400,000
Total	$9,496,000	$9,832,000	$10,700,000	$11,360,000	$11,460,000	$10,400,000

If TIF or Impact Fee funding source, which district(s)?

Budget by Expenditure Type

Expense Type	2023	2024	2025	2026	2027	2028
Machinery and Equipment	9,496,000	9,832,000	10,700,000	11,360,000	11,460,000	10,400,000
Total	$9,496,000	$9,832,000	$10,700,000	$11,360,000	$11,460,000	$10,400,000

Explain any changes from the 2022 CIP in the proposed funding for this project/program.

Additional 15% increase for 2023 and up due to supply issues causing massive increases across the board for raw materials, manufacturing and shipping.

Project Schedule & Location

2023 Projects

Project Name	Est Cost	Location

2024 Projects

Project Name	Est Cost	Location

2025 Projects

Project name	Est Cost	Location

2026 Projects

Project name	Est Cost	Location

2027 Projects

Project name	Est Cost	Location

2028 Projects

Project Name	Est Cost	Location

Operating Costs

Projects/Programs with a technological component will be required to follow City of Madison information technology policies and procedures for

software/hardware acquisition and project support by IT staff. Answer the following questions below and upload relevant supplemental materials to your agency's SharePoint folder.

Over the next six years, will the project/program require any of the following IT resources?	○ Yes ○ No

Electronic hardware that will be connected to a City device in any manner, including wireless, bluetooth, NFC, etc.?	○ Yes ◉ No
Software (either local or in the cloud)?	○ Yes ◉ No
A new website or changes to an existing sites?	○ Yes ◉ No

For projects/programs requesting new software/hardware:

Have you submitted a Software/Hardware Request form? IT New Software Request Form	○ Yes ◉ No
Have you submitted an IT project request form? IT Project Request Form	○ Yes ◉ No
Have you worked with IT to complete an IT Budget Analysis form? If yes, please upload your agency's capital SharePoint folder.	○ Yes ◉ No

Changes to existing hardware/ software:

Will any existing software or processes need to be modified to support this project/program or initiative?	○ Yes ◉ No
If yes, have you uploaded a plan for incorporating those changes to your agency's capital SharePoint folder? Agency Capital Materials	○ Yes ◉ No

Surveillance Technology:

Do you believe any of the hardware or software to be considered surveillance technology? Surveillance technology is defined in MGO Sec. 23.63(2) .	○ Yes ◉ No
If yes, have you submitted the surveillance request form to your agency's capital SharePoint folder? Surveillance Budget Request Attachment	○ Yes ◉ No

Other Operating Costs

In addition to IT costs, projects/programs may have other operational impacts. Over the next six years, will the project/program require any of the following?	○ Yes ○ No

Facilities/land maintenance?	○ Yes ◉ No
Vehicle setup or maintenance costs?	◉ Yes ○ No
External management or consulting contracts?	○ Yes ◉ No
How many additional FTE positions required for ongoing operations of this project/program?	[ ]

Estimate the project/program annual operating costs by major.

Major	*Annual Cost*	*Description*

Notes

Notes: