

# Engineering - Facilities Management

## Capital Improvement Plan

	2020 Adopted	2021 Request	Change
2021 Capital Budget	2,505,000	5,997,000	3,492,000
2021 Capital Improvement Plan	31,990,000	48,657,500	16,667,500

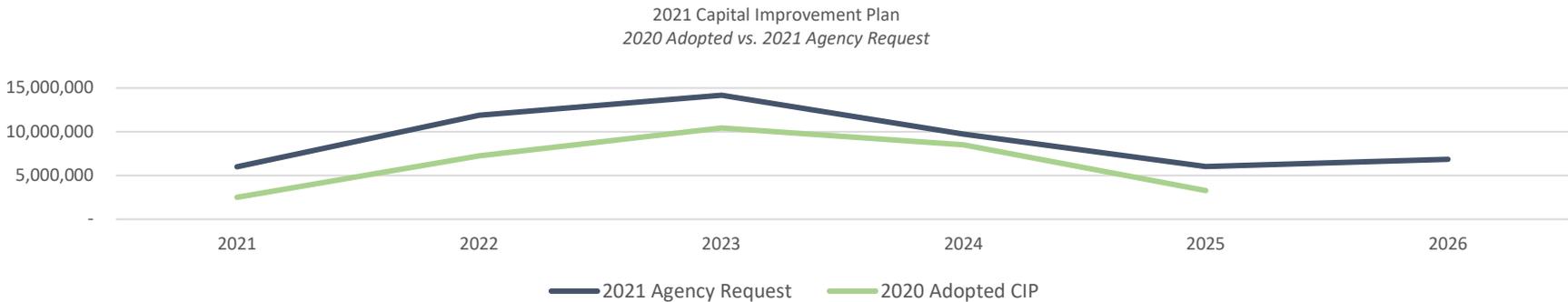
2020 Adopted  
**13**

2021 Request  
**13**

### Project Summary: Agency Request

	2021	2022	2023	2024	2025	2026
Engineering Service Building Improvements	141,000	155,000	163,000	171,000	178,000	100,000
General Building Improvements	400,000	420,000	440,000	460,000	480,000	500,000
Fire Building Improvements - Facilities Management	225,000	225,000	225,000	225,000	270,000	450,000
CCB Improvements	100,000	100,000	2,060,000	100,000	100,000	100,000
Energy Improvements	2,781,000	2,614,000	2,851,000	2,656,000	2,839,000	2,870,000
Sustainability Improvements	850,000	850,000	850,000	850,000	850,000	850,000
Park Facility Improvements	1,000,000	925,000	1,832,500	375,000	503,000	575,000
Streets Facility Improvements	-	500,000	450,000	450,000	500,000	1,100,000
Sayle Street Facility Remodel	200,000	1,445,000	-	-	-	-
CCB 4th Floor Remodel	-	-	5,000,000	-	-	-
CCB 5th Floor Remodel	-	-	-	4,150,000	-	-
CCB 1st Floor Remodel	-	4,350,000	-	-	-	-
Horizon List Planning	300,000	300,000	300,000	300,000	300,000	300,000
<b>Total</b>	<b>\$ 5,997,000</b>	<b>\$ 11,884,000</b>	<b>\$ 14,171,500</b>	<b>\$ 9,737,000</b>	<b>\$ 6,020,000</b>	<b>\$ 6,845,000</b>

### Changes from 2020 CIP



## Engineering - Facilities Management

### Capital Improvement Plan

	2020 Adopted	2021 Request	Change
2021 Capital Budget	2,505,000	5,997,000	3,492,000
2021 Capital Improvement Plan	31,990,000	48,657,500	16,667,500

2020 Adopted

**13**

2021 Request

**13**

#### Major Changes/Decision Points

- CCB 4th Floor Remodel  
Project budget increased by \$1m based on updates to CCB remodeling plan
- CCB 5th Floor Remodel  
Project budget decreased \$1.4m based on updates to CCB remodeling plan
- Energy Improvements  
Project budget increased \$12.1m based on timeline to achieve goals identified in the City's 100% Renewable Madison Report
- General Building Improvements  
Project budget increased \$750k based on anticipated COVID-19 upgrades
- Park Facility Improvements  
Project budget increased \$2.8m based on updated plans for Door Creek Shelter construction and addition of Tenney Park Beach Shelter renovation
- Sayle Street Facility Remodel  
Project advanced from 2022-23 to 2021-22
- Streets Facility Improvements  
Program budget increased \$600k (120%) from 2025 to 2026



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**Principal Engineer 1**

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Bryan Cooper, Principal Architect

**Mapping Section Manager**

Eric T. Pederson, P.S.

**Financial Manager**

Steven B. Danner-Rivers

**To:** Dave Schmiedicke, Finance Director  
**From:** Robert F Phillips, P.E., City Engineer  
**Date:** June 12, 2020  
**Subject:** Engineering Facilities - 2021 Capital Budget Request

### Goals of Agency's Capital Budget

The Facilities Management budget attempts to address three major community needs. One is to provide properly functioning city buildings and work spaces so city agencies and staff may, in turn, provide a high level of services to the community. Two is to maintain city building assets on an ongoing industry standard replacement schedule to extend the useful life of these buildings and reduce the need to build new facilities. Three is to pursue green energy production through solar PV installs, and reduce energy demands through targeted energy efficiency projects; reducing the City's carbon footprint, and saving agencies, the City, and the community on operation costs.

### Summary of Changes from 2020 Capital Improvement Plan

1. CCB 1<sup>st</sup> Floor Remodel – Scope/budget increased to address the possibility of a Parks space remodel for use by TBD City agencies, and inclusion of Treasurer and Engineering in the master planning effort associated with the design at levels 1/4/5. This project is partially dependent on a decision regarding Parks CCB staff move to the recently purchased Parks Olin Building in Olin Park.
2. CCB 4<sup>th</sup> Floor Remodel – Budget for construction increased after re-evaluating scope and estimates.
3. CCB 5<sup>th</sup> Floor Remodel – Budget request decreased after re-evaluating scope and estimates.
4. Energy Improvements – Scope has changed to add the solar PV work to this budget (moved from the Sustainability Improvement budget). The Energy Improvement budget has increased in an attempt to meet the goals set forth in the City's "100% Renewable Madison (Achieving 100% Renewable Energy & Zero Net Carbon for City Operations & Leading the Community)"
5. Fire Building Improvements – Increased 2026 budget more than 5% to address delayed/deferred projects that cannot be addressed through the 2021-2025 budgets.
6. Parks Facility Improvement Budget – Increased 2021/2022 request to add in Tenney Park Beach Shelter as part of the City/County clean beach program. Moved Door

- Creek Shelter construction to 2023 per Parks' request; and increased construction estimate upon better understanding of the scope of the project.
7. Sayle Street Facility Remodel – Moved the design/construction to 2021/2022 per Traffic Engineer's request to better align with Radio Shop vacating the building in 2020 to move to the new Fleet/Fire/Radio Facility on Nakoosa Trail.
  8. Sustainability Improvements – Scope has changed to specifically address the community programming and Renewable Energy Credit (REC) purchases. City-owned facilities will not be directly addressed through this budget.

### Prioritized List of Capital Requests

- Priority #1 – Energy Improvements (10562) – The 100% renewable plan calls for achieving 100% Renewable Energy & Zero Net Carbon for City Operations. This budget items shows 6 years of a 10-year plan and is an effort to address components of the City's "100% Renewable Madison plan related to energy production and energy efficiency at City-owned sites/facilities. The importance of these projects are related to their ability to reduce the City's carbon footprint, reduce utility costs, reduce maintenance costs related to light bulb replacement (in the case of the LED lighting projects), increase the City's expertise in the realm of solar energy and energy efficiency design and construction, increase the development of a green economy in our community, continue the City Engineering's Green Power Training Program, and provide leadership in the community.
- Priority #2 – Sustainability Improvements (10563) – Similar to Energy Improvements this budget request is developed to address community wide efforts toward achieving the City's "100% Renewable Madison Plan goals. This request is also developed to make progress toward goals in the Madison Sustainability Plan and make progress on Resiliency Planning due to Climate Change Impacts.
- Priority #3 – General Building Improvements (10549) - These are building improvement projects to address scheduled replacement, or past useful life replacement at City-owned facilities.
- Priorities #4/#5/#6 – CCB Remodels at levels 1 (12393) /4 (11840)/5 (11841) – This request is based on the need to address overdue agency remodel needs based on capacity issues and/or end of life building systems. This project should be coordinated with the possible departure of Parks staff from the CCB. If Parks is leaving the CCB, remodel design and construction projects should be coordinated with the timeline of Parks departure. Opening up of the Parks space would offer up opportunities that were not available when we pursued a master plan design for floor levels 4 and 5 in 2018.
- Priority #7 – Sayle Street Facility Remodel (11079) – This request is necessary to address the mechanical system and improve work conditions at the Traffic Engineering and Parking Utility operations facility on Sayle Street. The Radio Shop is leaving in 2020 to occupy the new Fleet/Fire/Radio Shop on Nakoosa Trail leaving an opportunity to address the facility issues at Sayle Street.
- Priority #8 - Parks Facility Improvements (10564) – Many of these projects are related to replacement of building components on a scheduled basis, but a project of note is the Tenney Park Beach shelter that is intended to be designed/constructed in 2021/2022 as part of the City/County Clean Beach Program partnership.

- Priorities #9/#10#/11 – These are building improvement projects to address scheduled replacement, or past useful life replacement, of building components at the City’s Streets Facilities Improvements (10565), Engineering Service Building Improvements (10192), Fire Building Improvements (10560).
- Priority #12 – Horizon List Planning (12641) – It is not clear to Facilities what projects will be added to the Horizon List in 2021. This priority may need to change dependent upon decisions by Finance and Mayor’s Offices.
- Priority #13 – CCB Improvements (10561) – It is not clear to Facilities what Dane County’s plans are for the capital budget. Considerations may emerge after the agency submittal of the Capital Budget.

### Potential for Scaling Capital Requests

- The Energy Improvements budget could be scaled back as these are a collection of mostly independent projects that are not required to be completed in a certain order. Please note a reduction in this effort would require an increase in the timeline to meet components of the 100% Renewable Madison Report related to solar power and energy reduction at City-owned facilities.
- Generally any proposed new buildings or remodels proposed could be delayed or reviewed for reductions. At this point – without further study on many of the proposed projects – it is challenging to define how the scope could be reduced.
- I would not recommend reducing the various building improvements programs as this is more likely to result in unplanned emergency repairs if scheduled replacements are not addressed.

### Impact of COVID-19 on Capital Funding

- It is possible there will be facility implications related to COVID-19 (e.g. requests for automatic doors, non-touch controls, HVAC upgrades, workstation adjustments)

c.c. Christy Baumel, Deputy City Mayor

## 2021 Capital Improvement Plan Capital Budget Proposal

### Identifying Information

<b>Agency</b>	Engineering - Facilities Management	<b>Proposal Name</b>	CCB 1st Floor Remodel
<b>Project Number</b>	12393	<b>Project Type</b>	Project
<b>Project Category</b>	Facility	<b>Priority:</b>	4

### Description

This project is for the design and remodel of the Assessor, Clerk, Treasurer, and Parks suites on the first floor of the City County Building (CCB) for use by City agencies. The goal of the project is to optimize the usage of available space in the suite and improve work stations for staff. The project's scope includes design, construction, furniture, audiovisual equipment, moving costs, rental of temporary facilities, and staff costs. Design is planned for 2020-2021 with construction in 2022.

### Budget Information

**Total Project Budget**  **Prior Appropriation**

### Budget by Funding Source

Funding Source	2021	2022	2023	2024	2025	2026
GF GO Borrowing		4,350,000				
<b>Total</b>	\$0	\$4,350,000	\$0	\$0	\$0	\$0

### Budget by Expenditure Type

Expense Type	2021	2022	2023	2024	2025	2026
Building		4,350,000				
<b>Total</b>	\$0	\$4,350,000	\$0	\$0	\$0	\$0

### Explain any changes from the 2020 CIP in the proposed funding for this project.

Update is related to reevaluation of floors 1/4/5 given movement of construction to future year(s), possibility of Parks departing CCB, and additional considerations related to growth of staff quarters at CCB. Facilities Management has created detailed estimates for all floors 1/4/5 and can be provided for review as needed.

### Priority

**Citywide Element**

**Strategy**

#### Describe how this project advances the Citywide Element:

The Assessor's and Clerk's offices are in need of remodeling to optimize the usage of available space in the suite and improve work stations and conference space for staff. The HVAC distribution system in these agencies is beyond its useful life. Currently material from the distribution system is disintegrating and black dust is collecting on staff desks. In addition, the Assessor's office still has the old steel pan ceiling. This project would provide new HVAC distribution, lighting, ceiling, fire alarm/sprinklers, interior finishes and furniture.

As part of a larger CCB planning effort- and given the possible departure of Parks from CCB - Treasurer's office, and Engineering should be considered in the master planning design and possible remodel for first floor.

#### What is the justification for this project?

Space in the City-County is limited and additional staff have been added. In order to accommodate the additional staff, remodeling is needed to provide proper work space. In the case of this project, the building systems need to be comprehensively updated.

### Project Schedule & Location

Can this project be mapped?  Yes  No

What is the location of the project?

Is this project on the Project's Portal?  Yes  No

2021	Status		
	Status/Phase	Est Cost	Description
	Schematic Design		Use 2020 prior appropriation of \$150,000
2022	Status		
	Status/Phase	Est Cost	Description
	Construction	4350000	Costs for construction, relocation of staff, and furnishing/fixtures/equipment.
2023	Status		
	Status/Phase	Est Cost	Description
2024	Status		
	Status/Phase	Est Cost	Description
2025	Status		
	Status/Phase	Est Cost	Description
2026	Status		
	Status/Phase	Est Cost	Description

### Operating Costs

What are the estimated annual operating costs associated with the project?

#### Personnel

# of FTEs	Annual Cost	Description
<input type="text"/>	<input type="text"/>	NA

#### Non-Personnel

Major	Amount	Description
<input type="text"/>	<input type="text"/>	NA

### Notes

Notes:

## 2021 Capital Improvement Plan Capital Budget Proposal

### Identifying Information

<b>Agency</b>	Engineering - Facilities Management	<b>Proposal Name</b>	CCB 4th Floor Remodel
<b>Project Number</b>	11840	<b>Project Type</b>	Project
<b>Project Category</b>	Facility	<b>Priority:</b>	5

### Description

This project is for the design and remodel of the City Aronney, Mayor, Finance, and Common Council suites on the fourth floor of the City County Building (CCB). The project's scope includes design, construction, furniture, audiovisual equipment, moving costs, rental of temporary facilities, and staff costs. Design is planned for 2020-2022 with construction in 2023.

### Budget Information

**Total Project Budget**  **Prior Appropriation**

### Budget by Funding Source

Funding Source	2021	2022	2023	2024	2025	2026
GF GO Borrowing			5,000,000			
<b>Total</b>	\$0	\$0	\$5,000,000	\$0	\$0	\$0

### Budget by Expenditure Type

Expense Type	2021	2022	2023	2024	2025	2026
Building			5,000,000			
<b>Total</b>	\$0	\$0	\$5,000,000	\$0	\$0	\$0

### Explain any changes from the 2020 CIP in the proposed funding for this project.

Update is related to reevaluation of floors 1/4/5 given movement of construction to future year(s), possibility of Parks departing CCB, and additional considerations related to growth of staff quarters at CCB. Facilities Management has created detailed estimates for all floors 1/4/5 and can be provided for review as needed.

### Priority

**Citywide Element**

**Strategy**

#### Describe how this project advances the Citywide Element:

Currently city agencies on the 4th floor including the City Aronney's office, the Finance Department, the Mayor's Office, and the Common Council are in need of remodeling. In 2018, Facilities Management conducted schematic design for the 4th floor that will provide additional space for the City Aronney's Office and Common Council and will provide needed flexibility to all spaces resulting in future growth for all of these agencies.

#### What is the justification for this project?

Space in the City-County Building is limited and additional staff have been added. In order to accommodate the additional staff, remodeling is needed to provide proper work space.

### Project Schedule & Location

**Can this project be mapped?**

Yes  No

**What is the location of the project?**

**Is this project on the Project's Portal?**

Yes  No

**If so, enter the URL:**

<b>2021</b>	<b>Status</b>			
	<i>Status/Phase</i>		<i>Est Cost</i>	<i>Descripon</i>
				Use 2020 prior appropriaon of \$125,000
<b>2022</b>	<b>Status</b>			
	<i>Status/Phase</i>		<i>Est Cost</i>	<i>Descripon</i>
				Use 2020 prior appropriaon of \$125,000
<b>2023</b>	<b>Status</b>			
	<i>Status/Phase</i>		<i>Est Cost</i>	<i>Descripon</i>
			5000000	Costs for construcon, r elocaon of s taff, and furnishing/fixtures/equipment.
<b>2024</b>	<b>Status</b>			
	<i>Status/Phase</i>		<i>Est Cost</i>	<i>Descripon</i>
<b>2025</b>	<b>Status</b>			
	<i>Status/Phase</i>		<i>Est Cost</i>	<i>Descripon</i>
<b>2026</b>	<b>Status</b>			
	<i>Status/Phase</i>		<i>Est Cost</i>	<i>Descripon</i>

**Operang Cos ts**

What are the esma ted annual operang c osts associated with the project?

**Personnel**

# of FTEs	Annual Cost	Descripon
<input type="text"/>	<input type="text"/>	NA

**Non-Personnel**

Major	Amount	Descripon
<input type="text"/>	<input type="text"/>	NA

**Notes**

Notes:

v 05/04/2020

## 2021 Capital Improvement Plan Capital Budget Proposal

### Identifying Information

<b>Agency</b>	Engineering - Facilities Management	<b>Proposal Name</b>	CCB 5th Floor Remodel
<b>Project Number</b>	11841	<b>Project Type</b>	Project
<b>Project Category</b>	Facility	<b>Priority:</b>	6

### Description

This project is for the design and remodel of the City IT and Department of Civil Rights suites on the fifth floor of the City County Building (CCB). The project's scope includes design, construction, furniture, audiovisual equipment, moving costs, rental of temporary facilities, and staff costs. Design is planned for 2020-2023 with construction in 2024.

### Budget Information

**Total Project Budget**  **Prior Appropriation**

### Budget by Funding Source

Funding Source	2021	2022	2023	2024	2025	2026
GF GO Borrowing				4,150,000		
<b>Total</b>	\$0	\$0	\$0	\$4,150,000	\$0	\$0

### Budget by Expenditure Type

Expense Type	2021	2022	2023	2024	2025	2026
Building				4,150,000		
<b>Total</b>	\$0	\$0	\$0	\$4,150,000	\$0	\$0

### Explain any changes from the 2020 CIP in the proposed funding for this project.

Update is related to reevaluation of floors 1/4/5 given movement of construction to future year(s), possibility of Parks departing CCB, and additional considerations related to growth of staff quarters at CCB. Facilities Management has created detailed estimates for all floors 1/4/5 and can be provided for review as needed.

### Priority

**Citywide Element**

**Strategy**

#### Describe how this project advances the Citywide Element:

Currently city agencies on the 5th floor including the Department of Civil Rights and City IT are in need of remodeling. In 2018, Facilities Management conducted schematic design for the 5th floor that will provide additional space for DCR and IT and will provide needed flexibility to all spaces resulting in future growth for these agencies.

#### What is the justification for this project?

Space in the City-County Building is limited and additional staff have been added. In order to accommodate the additional staff, remodeling is needed to provide proper work space.

### Project Schedule & Location

Can this project be mapped?

Yes  No

What is the location of the project?

Is this project on the Project's Portal?

Yes  No

If so, enter the URL:

<b>2021</b>	<b>Status</b>		
	<i>Status/Phase</i>	<i>Est Cost</i>	<i>Descripon</i>
			Use 2020 prior appropriaon of \$190,000
<b>2022</b>	<b>Status</b>		
	<i>Status/Phase</i>	<i>Est Cost</i>	<i>Descripon</i>
			Use 2020 prior appropriaon of \$190,000
<b>2023</b>	<b>Status</b>		
	<i>Status/Phase</i>	<i>Est Cost</i>	<i>Descripon</i>
			Use 2020 prior appropriaon of \$190,000
<b>2024</b>	<b>Status</b>		
	<i>Status/Phase</i>	<i>Est Cost</i>	<i>Descripon</i>
		4150000	Costs for construcon, r elocaon of s taff, and furnishing/fixtures/equipment.
<b>2025</b>	<b>Status</b>		
	<i>Status/Phase</i>	<i>Est Cost</i>	<i>Descripon</i>
<b>2026</b>	<b>Status</b>		
	<i>Status/Phase</i>	<i>Est Cost</i>	<i>Descripon</i>

**Operang Cos ts**

What are the esma ted annual operang c osts associated with the project?

**Personnel**

# of FTEs	Annual Cost	Descripon
<input type="text"/>	<input type="text"/>	NA

**Non-Personnel**

Major	Amount	Descripon
<input type="text"/>	<input type="text"/>	NA

**Notes**

Notes:

v 05/04/2020

## 2021 Capital Improvement Plan Capital Budget Proposal

### Identifying Information

<b>Agency</b>	Engineering - Facilities Management	<b>Proposal Name</b>	CCB Improvements
<b>Project Number</b>	10561	<b>Project Type</b>	Program
<b>Project Category</b>	Facility	<b>Priority:</b>	13
<b>2021 Project Number</b>	13133		

### Description

This program is for the City's portion of facility projects scheduled for the City County Building (CCB). Projects planned in 2021 will be determined by Dane County. Projects planned for 2023 include the City's share of the booster pump replacement, condensate pump replacement, electrical branch panel upgrades, municipal courtroom roof replacement, air handler unit replacement, remote drop system, and window replacements.

### Budget Information

<b>Prior Appropriation*</b>	\$2,228,100	<b>Prior Year Actual*</b>	\$1,178,714
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\*Based on Fiscal Years 2015-2019

### Budget by Funding Source

Funding Source	2021	2022	2023	2024	2025	2026
GF GO Borrowing	100,000	100,000	2,060,000	100,000	100,000	100,000
<b>Total</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$2,060,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>

### Budget by Expenditure Type

Expense Type	2021	2022	2023	2024	2025	2026
Building	100,000	100,000	2,060,000	100,000	100,000	100,000
<b>Total</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$2,060,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>

### Explain any changes from the 2020 CIP in the proposed funding for this program.

TBD between County/Finance/Mayor

### Priority

**Citywide Element** Effective Government

**Strategy** Co-locate community facilities to provide a high level of service to all neighborhoods.

**Describe how this project advances the Citywide Element:**

The City of Madison "owns" 41% of the CCB - this funding is for our share of capital improvements undertaken by Dane County.

### Project Schedule & Location

#### 2021 Projects

Project name	Est Cost	Location
TBD between County/Finance/Mayor	\$100,000	210 Marn Luther King Jr Blvd

#### Explain the justification for selecting projects planned for 2021:

Project Name	Est Cost	Locaon
TBD between County/Finance/Mayor	\$100,000	210 Marn Luther King Jr Blv d

**Explain the justification for selected projects planned for 2022:**

These projects/dollar values are carried over from last year request by the County. Final scope to be confirmed by County/Finance/Mayor

**2023 Projects**

Project Name	Est Cost	Locaon
Booster Pump Replacement	\$24,600	210 Marn Luther King Jr Blv d
Condensate Pump Replacement	\$10,500	210 Marn Luther King Jr Blv d
Electrical Branch Panel Upgrades	\$20,000	210 Marn Luther King Jr Blv d
Fire Pump Replacement	\$12,300	210 Marn Luther King Jr Blv d
Municipal Courtroom Roof Replacement	\$24,600	210 Marn Luther King Jr Blv d
Air Handler Unit Replacement	\$225,500	210 Marn Luther King Jr Blv d
Remote Drop System	\$102,500	210 Marn Luther King Jr Blv d
Window Replacement	\$1,640,000	210 Marn Luther King Jr Blv d

**Explain the justification for selected projects planned for 2023:**

**2024 Projects**

Project name	Est Cost	Locaon
TBD between County/Finance/Mayor	\$100,000	210 Marn Luther King Jr Blv d

**Explain the justification for selected projects planned for 2024:**

**2025 Projects**

Project name	Est Cost	Locaon
TBD between County/Finance/Mayor	\$100,000	210 Marn Luther King Jr Blv d

**Explain the justification for selected projects planned for 2025:**

**2026 Projects**

Project name	Est Cost	Locaon
TBD between County/Finance/Mayor	\$100,000	210 Marn Luther King Jr Blv d

**Explain the justification for selected projects planned for 2026:**

**Operating Costs**

What are the estimated annual operating costs associated with the projects planned within this program?

**Personnel**

# of FTEs	Annual Cost	Descripon
<input type="text"/>	<input type="text"/>	N/A

**Non-Personnel**

Major	Amount	Descripon
<input type="text"/>	<input type="text"/>	N/A

## 2021 Capital Improvement Plan Capital Budget Proposal

### Identifying Information

<b>Agency</b>	Engineering - Facilities Management	<b>Proposal Name</b>	Energy Improvements
<b>Project Number</b>	10562	<b>Project Type</b>	Program
<b>Project Category</b>	Facility	<b>Priority:</b>	1
<b>2021 Project Number</b>	13134		

### Description

This program is for implementation of energy supply and energy efficiency goals to meet the 100% Renewable Madison plan at City-owned sites and facilities. One goal of the program is to supply distributed energy via solar photovoltaic panels. Solar projects in 2021 include use of the Green Power job training program. Another goal of the program is to reduce energy demand. Energy efficiency projects for 2021 include lighting replacement, retro-commissioning and building automation systems projects. A significant portion of these projects are designed, procured, and installed by City Engineering staff.

### Budget Information

<b>Prior Appropriation*</b>	\$1,010,180	<b>Prior Year Actual*</b>	\$867,704
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\*Based on Fiscal Years 2015-2019

### Budget by Funding Source

Funding Source	2021	2022	2023	2024	2025	2026
GF GO Borrowing	2,741,000	2,574,000	2,811,000	2,616,000	2,799,000	2,830,000
State Sources	40,000	40,000	40,000	40,000	40,000	40,000
<b>Total</b>	<b>\$2,781,000</b>	<b>\$2,614,000</b>	<b>\$2,851,000</b>	<b>\$2,656,000</b>	<b>\$2,839,000</b>	<b>\$2,870,000</b>

### Budget by Expenditure Type

Expense Type	2021	2022	2023	2024	2025	2026
Building	2,781,000	2,614,000	2,851,000	2,656,000	2,839,000	2,870,000
<b>Total</b>	<b>\$2,781,000</b>	<b>\$2,614,000</b>	<b>\$2,851,000</b>	<b>\$2,656,000</b>	<b>\$2,839,000</b>	<b>\$2,870,000</b>

### Explain any changes from the 2020 CIP in the proposed funding for this program.

A significant expansion in this program scope is needed each year in an effort to achieve the aggressive timeline for completing goals identified in the City's 100% Renewable Madison Report (Achieving 100% Renewable Energy & Zero Net Carbon for City Operations & Leading the Community), including reducing the City's carbon footprint, while saving on annual operational costs related to on-site energy creation (solar) and reduced energy demand (more efficient building systems). This effort necessitates a substantial increase in the borrowing request each year.

As indicated above, this budget request includes increases to a variety of energy improvements at facilities. It should be noted a substantial portion of the increase in borrowing request may also be attributed to shifting the Green Power program from the Sustainability Improvements budget to the Energy Improvements budget.

### Priority

<b>Citywide Element</b>	Green and Resilient
<b>Strategy</b>	Increase the use and accessibility of energy efficiency upgrades and renewable energy.
<b>Describe how this project advances the Citywide Element:</b>	This program is for implementation of energy supply generation and energy efficiency goals to meet the 100% Renewable Madison plan, at City-owned sites and facilities. One goal of the program is to supply distributed energy via solar photovoltaic panels. Solar projects in 2021 include use of the Green Power job training program (a program that trains unemployed and underemployed persons in solar power installations). Another goal of the program is to reduce energy demand. Energy efficiency projects for 2021 include lighting replacement projects, retro commissioning, and building automation system upgrades. A substantial portion of these projects are designed, procured, and installed in-house by City Engineering staff.

### Project Schedule & Location

Project name	Est Cost	Locaon
SOLAR PV - Pinney Library (Green Power Job Training)	\$360,000	516 Co age Grove Road (solar PV to be located behind library near bike path) - AD15
SOLAR PV - MFD FS07 + MPD West District (Green Power Job Training)	\$120,000	FS07-1810 McKenna Boulevard, MPD West District-1710 McKenna Boulevard - AD01
SOLAR PV - Fire Staon 14 - Add on (Gr een Power Job Training)ast	\$150,000	3201 Dairy Drive - AD16
SOLAR PV - MPD Training (Bid)	\$505,000	5702 Femrite Drive - AD16
SOLAR PV - Traffic Engineering Operaons F acility (Bid)	\$475,000	1120 Sayle Street - AD13
SOLAR PV - Fleet - Add on (Bid)	\$600,000	4141 Nakoosa Trail - AD15
LED LIGHTING - MPD East District	\$58,560	809 S Thompson Dr. - AD03
LED LIGHTING - Streets West Badger	\$303,688	1501 W Badger Road - AD14
LED LIGHTING - MPD West District	\$48,400	1710 McKenna Boulevard - AD01
LED LIGHTING - Senior Center	\$80,000	330 W Mifflin St - AD04
Energy Cap License	\$10,000	N/A
Retro Commissioning	\$40,000	TBD
Building Automaon S ystem Upgrades	\$30,000	TBD

**Explain the justfic aon f or selecng pr ojects planned for 2021:**

1. Work toward compleng g oals identified in the City's 100% R enewable Madison (Achieving 100% Renewable Energy & Zero Net Carbon for City Operaons & Leading the Community), including r educing the City's carbon footprint, while saving on annual operaonal c osts related to on site energy creacon (solar) and r educed energy demand (more efficient building systems).
2. Connuet o further develop and expand the Green Power Job Training Program. This program hires underemployed or unemployed individuals as trainees to work alongside Engineering Division Electricians to install solar photovoltaic systems on City facilities. A primar y goal of the program is to prepare trainees for employment opportunies in the solar ener gy and electrical industries, while also increasing the City's generaon of r enewable energy and decreasing the its carbon footprint.
3. Connuet o increase the City's leadership in developing green jobs and experse a t the City - and in the local community - through increased investment in design, supply, and installaon of ener gy improvement projects.

**2022 Projects**

Project Name	Est Cost	Locaon
SOLAR PV - Metro South Transfer (Green Power Job Training)	\$37,000	2430 South Park Street - AD14
SOLAR PV - Metro East Washington-Phase 3 (Green Power Job Training)	\$300,000	1245 East Washington - AD06
SOLAR PV - Warner Park Community Recreaon Center (Green Power Job Training)	\$45,000	1625 Northport Dr. - AD12
SOLAR PV - Warner Park (Green Power Job Training)	\$87,000	2930 N Sherman Ave - AD12
SOLAR PV - Warner Park Beach Shelter (Green Power Job Training)	\$27,000	1101 Woodwind Dr. - AD18
SOLAR PV - Goodman Maintenance - Add on (Green Power Job Training)	\$568,000	1402 Wingra Creek Parkway - AD13
SOLAR PV - Tenney Park (Green Power Job Training)	\$97,000	402 N Thornton Ave - AD02
SOLAR PV - Streets Waste Transfer (Green Power Job Training)	\$72,000	121 E. Olin Ave - AD14

Project Name	Est Cost	Locaon
SOLAR PV - Metro-Sawtooth Roof-Phase 5 (Bid)	\$900,000	1245 East Washington - AD06
LED LIGHTING - Engineering Operaons F acility	\$123,880	1600 Emil Street - AD14
LED LIGHTING - Central PD	\$136,000	211 S Carroll Street - AD04
LED LIGHTING - MFD FS10	\$23,836	1517 Troy Drive - AD18
LED LIGHTING - MFD FS12	\$50,000	400 South Point Rd - AD09
LED LIGHTING - MFD FS03	\$33,488	1217 Williamson Street - AD06
LED LIGHTING - MFD FS05	\$33,596	4418 Co age Grove Rd - AD03
Energy Cap License	\$10,000	N/A
Retro Commissioning	\$40,000	TBD
Building Automaon S ystem Upgrades	\$30,000	TBD

**Explain the jusfic aon f or selecng pr ojects planned for 2022:**

1. Work toward compleng g oals identified in the City's 100% R enewable Madison (Achieving 100% Renewable Energy & Zero Net Carbon for City Operaons & Leading the Community), including reducing the City's carbon footprint, while saving on annual operaonal c osts related to reduced energy demand.
2. Connue t o further develop and expand the Green Power Job Training Program. This program hires underemployed or unemployed individuals as trainees to work alongside Engineering Division Electricians to install solar photovoltaic systems on City facilities. A primar y goal of the program is to prepare trainees for employment opportunities in the solar ener gy and electrical industries, while also increasing the City's generaon of r enewable energy and decreasing the its carbon footprint.
3. Connue t o increase the City's leadership in developing green jobs and expere a t the City - and in the local community - through increased investment in design, supply, and installaon of ener gy improvement projects.

**2023 Projects**

Project Name	Est Cost	Locaon
SOLAR PV - MFD FS02 (Green Power Job Training)	\$81,000	421 Grand Canyon Dr - AD19
SOLAR PV - CDA-Tenny Park Apartments (Green Power Job Training)	\$171,000	300 Block N Baldwin St and 1200 Block Gorham St. - AD02
SOLAR PV - MFD FS08 (Green Power Job Training)	\$190,000	3945 Lien Road - AD17
SOLAR PV - WU-Heim-Add on (Green Power Job Training)	\$180,000	119 E Olin Ave - AD14
SOLAR PV - WU-Quann Roof (Green Power Job Training)	\$225,000	119 E Olin Ave - AD14
SOLAR PV - Metro East Washington - Phase 4 (Green Power Job Training)	\$300,000	1245 East Washington - AD06
SOLAR PV - Vilas Park (Green Power Job Training)	\$90,000	1602 Vilas Park Drive - AD13
SOLAR PV - PU State Street Capitol Garage (Bid)	\$1,040,000	214 N Carroll St - AD04
LED LIGHTING - Engineering Operaons F acility	\$123,880	1600 Emil Street - AD14
LED LIGHTING - WU Heim Admin	\$165,600	119 E Olin Ave - AD14
LED LIGHTING - WU Quann VSB	\$73,000	119 E Olin Ave - AD14
LED LIGHTING - MFD FS04	\$41,312	1437 Monroe St - AD05

Project Name	Est Cost	Locaon
LED LIGHTING - MFD FS07	\$50,156	FS07-1810 McKenna Boulevard
LED LIGHTING - MFD FS08	\$40,216	3945 Lien Road - AD17
Energy Cap License	\$10,000	N/A
Retro Commissioning	\$40,000	TBD
Building Automaon S ystem Upgrades	\$30,000	TBD

**Explain the jusfic aon f or selecng pr ojects planned for 2023:**

1. Work toward compleng g oals idenfied in the City's 100% R enewable Madison (Achieving 100% Renewable Energy & Zero Net Carbon for City Operaons & Leading the Community), including reducing the City's carbon footprint, while saving on annual operaonal c osts related to reduced energy demand.
2. Connue t o further develop and expand the Green Power Job Training Program. This program hires underemployed or unemployed individuals as trainees to work alongside Engineering Division Electricians to install solar photovoltaic systems on City facilities. A primar y goal of the program is to prepare trainees for employment opportunities in the solar ener gy and electrical industries, while also increasing the City's generaon of r enewable energy and decreasing the its carbon footprint.
3. Connue t o increase the City's leadership in developing green jobs and expere a t the City - and in the local community - through increased investment in design, supply, and installaon of ener gy improvement projects.

**2024 Projects**

Project name	Est Cost	Locaon
SOLAR PV - WU-Paterson VSB (Green Power Job Training)	\$360,000	115 S Paterson St - AD06
SOLAR PV - CDA-Straubel Court-Truax Apts. (Green Power Job Training)	\$457,000	3538 Straubel St - AD15
SOLAR PV - Metro Carpot - Phase 6 (Green Power Job Training)	\$750,000	1245 East Washington - AD06
SOLAR PV - Door Creek Shelter (Green Power Job Training)	\$60,000	7035 Lilemor e Dr. - AD03
SOLAR PV - PU Capitol Square North Garage	\$540,000	218 E Mifflin St - AD06
LED LIGHTING - TE Operaons	\$151,508	1120 Sayle Street - AD13
LED LIGHTING - MFD FS13	\$54,896	6350 Town Center Dr. - AD03
LED LIGHTING - MFD FS02	\$24,900	421 Grand Canyon Dr - AD19
LED LIGHTING - Metro East Transfer Point	\$7,744	102 W Corporate Dr - AD15
LED LIGHTING - Metro West Transfer Point	\$7,744	5700 Tokay Blvd - AD02
LED LIGHTING - Metro North Transfer Point	\$7,744	1213 Huxley St - AD01
LED LIGHTING - Metro South Transfer Point	\$7,744	2430 S Park St - AD14
LED LIGHTING - Goodman Maintenance	\$120,000	1402 Wingra Creek Parkway - AD13
LED LIGHTING - Goodman Pool	\$24,468	325 W Olin Ave - AD13
Energy Cap License	\$10,000	N/A
Retro Commissioning	\$40,000	TBD
Building Automaon S ystem Upgrades	\$30,000	TBD

**Explain the jusfic aon f or selecng pr ojects planned for 2024:**

1. Work toward completing goals identified in the City's 100% Renewable Madison (Achieving 100% Renewable Energy & Zero Net Carbon for City Operations & Leading the Community), including reducing the City's carbon footprint, while saving on annual operational costs related to reduced energy demand.
2. Continue to further develop and expand the Green Power Job Training Program. This program hires underemployed or unemployed individuals as trainees to work alongside Engineering Division Electricians to install solar photovoltaic systems on City facilities. A primary goal of the program is to prepare trainees for employment opportunities in the solar energy and electrical industries, while also increasing the City's generation of renewable energy and decreasing the its carbon footprint.
3. Continue to increase the City's leadership in developing green jobs and expertise at the City - and in the local community - through increased investment in design, supply, and installation of energy improvement projects.

**2025 Projects**

<i>Project name</i>	<i>Est Cost</i>	<i>Location</i>
SOLAR PV - Streets West - Add on (Green Power Job Training)	\$186,000	1501 W Badger Road - AD14
SOLAR PV - Streets East (Green Power Job Training)	\$320,000	4602 Sycamore Ave - AD17
SOLAR PV - Streets Far West Warm Storage (Green Power Job Training)	\$120,000	402 South Point Rd - AD09
SOLAR PV - MFD FS06 (Green Power Job Training)	\$105,000	825 West Badger Rd - AD14
SOLAR PV - MPD South District (Green Power Job Training)	\$150,000	825 Hughes Pl - AD14
SOLAR PV - WU-Paterson Ops Building (Green Power Job Training)	\$179,280	110 S Paterson St - AD06
SOALR PV - WU-WELL 24-(Green Power Job Training)	\$184,000	101 N Livingston - AD06
SOLAR PV - CDA Community Center - East Madison CC (Bid)	\$418,500	8 Straubel Court - AD15
SOLAR PV - CDA - Romnes (Bid)	\$540,000	540 West Olin Avenue - AD13
LED LIGHTING - Streets East	\$556,936	4602 Sycamore Ave - AD17
Energy Cap License	\$10,000	N/A
Retro Commissioning	\$40,000	TBD
Building Automation Upgrades	\$30,000	TBD

**Explain the justification for selecting projects planned for 2025:**

1. Work toward completing goals identified in the City's 100% Renewable Madison (Achieving 100% Renewable Energy & Zero Net Carbon for City Operations & Leading the Community), including reducing the City's carbon footprint, while saving on annual operational costs related to reduced energy demand.
2. Continue to further develop and expand the Green Power Job Training Program. This program hires underemployed or unemployed individuals as trainees to work alongside Engineering Division Electricians to install solar photovoltaic systems on City facilities. A primary goal of the program is to prepare trainees for employment opportunities in the solar energy and electrical industries, while also increasing the City's generation of renewable energy and decreasing the its carbon footprint.
3. Continue to increase the City's leadership in developing green jobs and expertise at the City - and in the local community - through increased investment in design, supply, and installation of energy improvement projects.

**2026 Projects**

<i>Project name</i>	<i>Est Cost</i>	<i>Location</i>
SOLAR PV - Fairchild Building	\$138,000	120 S Fairchild - AD04
SOLAR PV - MFD FS04	\$61,170	1437 Monroe St - AD05
SOLAR PV - MFD FS09	\$105,000	201 N Midvale Blvd - AD11
SOLAR PV - CDA Highland Manor Shelter	\$90,000	10 Manor Dr.
SOLAR PV - Olin Park Office Building	\$150,000	330 East Lake Side Street - AD13
SOLAR PV - Glenway Golf	\$18,800	3747 Speedway Rd - AD13

Project name	Est Cost	Location
SOLAR PV - Odana Hills Golf	\$280,000	4635 Odana Rd - AD10
SOLAR PV - WU-Tower	\$99,000	1314 Lake View Ave - AD18
SOLAR PV - WELL 27	\$61,620	18 N Randall Ave - AD05
SOLAR PV - WELL 31	\$275,000	4901 Tradewinds Pkwy - AD16
SOLAR PV - Metro Oscar Mayer	\$300,000	Oscar Avenue - AD12
SOLAR PV - WU - Quann VSB	\$620,000	119 E Olin Ave - AD14
LED LIGHTING - Fairchild Building	\$173,360	120 S Fairchild - AD04
LED LIGHTING - Waste Transfer	\$115,200	121 E. Olin Ave - AD14
LED LIGHTING - Streets South Point	\$91,812	402 South Point Rd - AD09
LED LIGHTING - FS1/Admin	\$211,472	314 W Dayton St - AD04
Energy Cap License	\$10,000	N/A
Retro Commissioning	\$40,000	TBD
Building Automaon Upgr ades	\$30,000	TBD

**Explain the justification for selecting projects planned for 2026:**

1. Work toward completing goals identified in the City's 100% Renewable Madison (Achieving 100% Renewable Energy & Zero Net Carbon for City Operations & Leading the Community), including reducing the City's carbon footprint, while saving on annual operational costs related to reduced energy demand.
2. Continue to further develop and expand the Green Power Job Training Program. This program hires underemployed or unemployed individuals as trainees to work alongside Engineering Division Electricians to install solar photovoltaic systems on City facilities. A primary goal of the program is to prepare trainees for employment opportunities in the solar energy and electrical industries, while also increasing the City's generation of renewable energy and decreasing the its carbon footprint.
3. Continue to increase the City's leadership in developing green jobs and expertise at the City - and in the local community - through increased investment in design, supply, and installation of energy improvement projects.

**Operating Costs**

What are the estimated annual operating costs associated with the projects planned within this program?

**Personnel**

# of FTEs	Annual Cost	Description
<input type="text"/>	<input type="text"/>	No additional personnel anticipated to be needed at this time.

**Non-Personnel**

Major	Amount	Description
<input type="text"/>	<input type="text"/>	Plan above estimated to save utility costs by \$100,000/year in 2021, and an additional \$100,000/year for each year 2022-2026.

**Notes**

Notes:

## 2021 Capital Improvement Plan Capital Budget Proposal

### Identifying Information

<b>Agency</b>	Engineering - Facilities Management	<b>Proposal Name</b>	Engineering Service Building
<b>Project Number</b>	10192	<b>Project Type</b>	Program
<b>Project Category</b>	Other	<b>Priority:</b>	10
<b>2021 Project Number</b>	13130		

### Description

This program is for scheduled improvements to the City's Engineering Services Building. The goal of this program is to maintain and improve the City's Engineering Services Building to optimize service operations and work conditions, and to lower energy costs by implementing energy efficiency components within the improvement projects. The project in 2021 includes an off-grid, battery-based photo-voltaic (PV) charging system for electrical vehicles (EV).

### Budget Information

**Prior Appropriation\***  **Prior Year Actual\***

\*Based on Fiscal Years 2015-2019

### Budget by Funding Source

Funding Source	2021	2022	2023	2024	2025	2026
Reserves Applied - Sewer	70,500	93,000	98,000	103,000	107,000	60,000
Reserves Applied - Stormwater	70,500	47,000	49,000	51,000	54,000	30,000
Reserves Applied		15,000	16,000	17,000	17,000	10,000
<b>Total</b>	<b>\$141,000</b>	<b>\$155,000</b>	<b>\$163,000</b>	<b>\$171,000</b>	<b>\$178,000</b>	<b>\$100,000</b>

### Budget by Expenditure Type

Expense Type	2021	2022	2023	2024	2025	2026
Building	141,000	155,000	163,000	171,000	178,000	100,000
<b>Total</b>	<b>\$141,000</b>	<b>\$155,000</b>	<b>\$163,000</b>	<b>\$171,000</b>	<b>\$178,000</b>	<b>\$100,000</b>

Explain any changes from the 2020 CIP in the proposed funding for this program.

### Priority

**Citywide Element**

**Strategy**

**Describe how this project advances the Citywide Element:**

By providing for the scheduled replacement of energy using building systems and components that have exceeded their useful life this project enables the Engineering Division to take advantage of newer technology that increases fuel efficiency and reduces emissions. Scheduled replacement also reduces total cost of ownership.

### Project Schedule & Location

#### 2021 Projects

Project name	Est Cost	Location
Engineering Services Building - off-grid, battery-based, electric vehicle charging system.	\$141,000	1600 Emil Street

Explain the justification for selecting projects planned for 2021:

2021 Capital Budget

Agency Requests

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As City Engineering expands its electric vehicle fleet, we are looking for an opportunity to charge the vehicles without increasing demand from the traditional electric grid.

**2022 Projects**

Project Name	Est Cost	Location
Engineering Services Building Scheduled Improvements - Unallocated	\$155,000	1600 Emil Street

**Explain the justification for selected projects planned for 2022:**

By providing for the scheduled replacement of energy using building systems and components that have exceeded their useful life this project enables the Engineering Division to take advantage of newer technology that increases fuel efficiency and reduces emissions. Scheduled replacement also reduces total cost of ownership.

**2023 Projects**

Project Name	Est Cost	Location
Engineering Services Building Scheduled Improvements - Unallocated	\$163,000	1600 Emil Street

**Explain the justification for selected projects planned for 2023:**

By providing for the scheduled replacement of energy using building systems and components that have exceeded their useful life this project enables the Engineering Division to take advantage of newer technology that increases fuel efficiency and reduces emissions. Scheduled replacement also reduces total cost of ownership.

**2024 Projects**

Project name	Est Cost	Location
Engineering Services Building Scheduled Improvements - Unallocated	\$171,000	1600 Emil Street

**Explain the justification for selected projects planned for 2024:**

By providing for the scheduled replacement of energy using building systems and components that have exceeded their useful life this project enables the Engineering Division to take advantage of newer technology that increases fuel efficiency and reduces emissions. Scheduled replacement also reduces total cost of ownership.

**2025 Projects**

Project name	Est Cost	Location
Engineering Services Building Scheduled Improvements - Unallocated	\$178,000	1600 Emil Street

**Explain the justification for selected projects planned for 2025:**

By providing for the scheduled replacement of energy using building systems and components that have exceeded their useful life this project enables the Engineering Division to take advantage of newer technology that increases fuel efficiency and reduces emissions. Scheduled replacement also reduces total cost of ownership.

**2026 Projects**

Project name	Est Cost	Location
Engineering Services Building Scheduled Improvements - Unallocated	\$100,000	1600 Emil Street

**Explain the justification for selected projects planned for 2026:**

By providing for the scheduled replacement of energy using building systems and components that have exceeded their useful life this project enables the Engineering Division to take advantage of newer technology that increases fuel efficiency and reduces emissions. Scheduled replacement also reduces total cost of ownership.

**Operating Costs**

What are the estimated annual operating costs associated with the projects planned within this program?

**Personnel**

# of FTEs	Annual Cost	Description
<input type="text"/>	<input type="text"/>	N/A

**Non-Personnel**

Major	Amount	Description
<input type="text"/>	<input type="text"/>	N/A

## 2021 Capital Improvement Plan Capital Budget Proposal

### Identifying Information

<b>Agency</b>	Engineering - Facilities Management	<b>Proposal Name</b>	Fire Building Improvement
<b>Project Number</b>	10560	<b>Project Type</b>	Program
<b>Project Category</b>	Facility	<b>Priority:</b>	11
<b>2021 Project Number</b>	13132		

### Description

This program is for scheduled improvements to the City's fourteen Madison Fire Department stations and administration offices. The goal of this program is to maintain and improve the City's Fire facilities to optimize service operations and work conditions, and to lower energy costs by implementing energy efficiency components within the improvement projects. Projects include FS02 Water Heater Replacement, FS03 Rooftop Air Handlers Replacement, FS05 Overhead Door Openers Replacement, FS08 Roof Replacement, and FS12 Controls Upgrade.

### Budget Information

<b>Prior Appropriation*</b>	\$2,262,090	<b>Prior Year Actual*</b>	\$1,811,950
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\*Based on Fiscal Years 2015-2019

### Budget by Funding Source

Funding Source	2021	2022	2023	2024	2025	2026
GF GO Borrowing	225,000	225,000	225,000	225,000	270,000	450,000
<b>Total</b>	<b>\$225,000</b>	<b>\$225,000</b>	<b>\$225,000</b>	<b>\$225,000</b>	<b>\$270,000</b>	<b>\$450,000</b>

### Budget by Expenditure Type

Expense Type	2021	2022	2023	2024	2025	2026
Building	225,000	225,000	225,000	225,000	270,000	450,000
<b>Total</b>	<b>\$225,000</b>	<b>\$225,000</b>	<b>\$225,000</b>	<b>\$225,000</b>	<b>\$270,000</b>	<b>\$450,000</b>

Explain any changes from the 2020 CIP in the proposed funding for this program.

### Priority

**Citywide Element** Green and Resilient

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

**Describe how this project advances the Citywide Element:**

Scheduled replacement of building systems and components protects our citizens' investment by maximizing the useful life of our facilities. A primary focus of our work is to increase energy efficiency and install renewable energy systems on City Facilities.

### Project Schedule & Location

#### 2021 Projects

Project name	Est Cost	Location
FS02 - Water Heater Replacement	\$9,000	421 Grand Canyon Drive

Project name	Est Cost	Locaon
FS03 - Rooftop Air Handlers Replacement	\$24,000	1217 Williamson Street
FS05 - Overhead Door Openers Replacement	\$12,000	4418 Co age Grove Road
FS08 - Roof Replacement	\$107,000	3945 Lien Road
FS12 - Controls Upgrade	\$65,000	400 South Point Road
Mulple small pr ojects at other staons.	\$8,000	Misc.

**Explain the jusfic aon f or selecng pr ojects planned for 2021:**

Scheduled replacement of building systems and components protects our ciz ens' to protect City investments by maximizing the useful life of our facilies. A primar y focus of our work is to increase energy efficiency and install renewable energy systems on City Facilies.

**2022 Projects**

Project Name	Est Cost	Locaon
Fire Building Improvements (end of life replacement projects)	\$225,000	14 Fire Staons and Fir e Administraon

**Explain the jusfic aon f or selecng pr ojects planned for 2022:**

Scheduled replacement of building systems and components protects our ciz ens' to protect City investments by maximizing the useful life of our facilies. A primar y focus of our work is to increase energy efficiency and install renewable energy systems on City Facilies.

**2023 Projects**

Project Name	Est Cost	Locaon
Fire Building Improvements (end of life replacement projects)	\$225,000	14 Fire Staons and Fir e Administraon

**Explain the jusfic aon f or selecng pr ojects planned for 2023:**

Scheduled replacement of building systems and components protects our ciz ens' to protect City investments by maximizing the useful life of our facilies. A primar y focus of our work is to increase energy efficiency and install renewable energy systems on City Facilies.

**2024 Projects**

Project name	Est Cost	Locaon
Fire Building Improvements (end of life replacement projects)	\$225,000	14 Fire Staons and Fir e Administraon

**Explain the jusfic aon f or selecng pr ojects planned for 2024:**

Scheduled replacement of building systems and components protects our ciz ens' to protect City investments by maximizing the useful life of our facilies. A primar y focus of our work is to increase energy efficiency and install renewable energy systems on City Facilies.

**2025 Projects**

Project name	Est Cost	Locaon
Fire Building Improvements (end of life replacement projects)	\$270,000	14 Fire Staons and Fir e Administraon

**Explain the jusfic aon f or selecng pr ojects planned for 2025:**

Scheduled replacement of building systems and components protects our ciz ens' to protect City investments by maximizing the useful life of our facilies. A primar y focus of our work is to increase energy efficiency and install renewable energy systems on City Facilies.

**2026 Projects**

Project name	Est Cost	Locaon
Fire Building Improvements (end of life replacement projects)	\$450,000	14 Fire Staons and Fir e Administraon

**Explain the jusfic aon f or selecng pr ojects planned for 2026:**

Scheduled replacement of building systems and components protects our ciz ens' to protect City investments by maximizing the useful life of our facilies. A primar y focus of our work is to increase energy efficiency and install renewable energy systems on City Facilies.

**Operang Cos ts**

What are the esma ted annual operang c osts associated with the projects planned within this program?

# of FTEs	Annual Cost	Descripon
<input type="text"/>	<input type="text"/>	N/A

**Non-Personnel**

Major	Amount	Descripon
<input type="text"/>	<input type="text"/>	N/A

**Notes**

Notes:

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## 2021 Capital Improvement Plan Capital Budget Proposal

### Identifying Information

<b>Agency</b>	Engineering - Facilities Management	<b>Proposal Name</b>	General Building Improvement
<b>Project Number</b>	10549	<b>Project Type</b>	Program
<b>Project Category</b>	Facility	<b>Priority:</b>	3
<b>2021 Project Number</b>	13131		

### Description

This program is for scheduled improvements and unplanned repairs to City-owned facilities. The goal of this program is to maintain and improve the City's facilities to optimize service operations and work conditions, and to lower energy costs by implementing energy efficiency components within the improvement projects.

### Budget Information

**Prior Appropriation\***  **Prior Year Actual\***

\*Based on Fiscal Years 2015-2019

### Budget by Funding Source

Funding Source	2021	2022	2023	2024	2025	2026
GF GO Borrowing	400,000	420,000	440,000	460,000	480,000	500,000
<b>Total</b>	<b>\$400,000</b>	<b>\$420,000</b>	<b>\$440,000</b>	<b>\$460,000</b>	<b>\$480,000</b>	<b>\$500,000</b>

### Budget by Expenditure Type

Expense Type	2021	2022	2023	2024	2025	2026
Building	400,000	420,000	440,000	460,000	480,000	500,000
<b>Total</b>	<b>\$400,000</b>	<b>\$420,000</b>	<b>\$440,000</b>	<b>\$460,000</b>	<b>\$480,000</b>	<b>\$500,000</b>

### Explain any changes from the 2020 CIP in the proposed funding for this program.

Adjusted the total in 2021 to include additional funding for potential COVID-19 related work (e.g. requests for automatic doors, non-touch controls, HVAC upgrades, workstation adjustments). Organized later years to add \$20,000/year.

### Priority

**Citywide Element**

**Strategy**

**Describe how this project advances the Citywide Element:**

Scheduled or unscheduled replacement of building systems and components protects our citizens' investment by maximizing the useful life of our facilities. A primary focus of our work is to increase energy efficiency and install renewable energy systems on City Facilities.

### Project Schedule & Location

#### 2021 Projects

Project name	Est Cost	Location
General Building Improvements	\$300,000	TBD
TBD COVID-19 related projects	\$100,000	TBD
<b>2021 Capital Budget</b>		<b>Agency Requests</b>

**Explain the justification for selected projects planned for 2021:**

Scheduled or unscheduled replacement of building systems and components protects our citizens' investment by maximizing the useful life of our facilities. A primary focus of our work is to increase energy efficiency and install renewable energy systems on City Facilities.

**2022 Projects**

Project Name	Est Cost	Location
General Building Improvements	\$420,000	TBD

**Explain the justification for selected projects planned for 2022:**

Scheduled or unscheduled replacement of building systems and components protects our citizens' investment by maximizing the useful life of our facilities. A primary focus of our work is to increase energy efficiency and install renewable energy systems on City Facilities.

**2023 Projects**

Project Name	Est Cost	Location
General Building Improvements	\$440,000	TBD

**Explain the justification for selected projects planned for 2023:**

Scheduled or unscheduled replacement of building systems and components protects our citizens' investment by maximizing the useful life of our facilities. A primary focus of our work is to increase energy efficiency and install renewable energy systems on City Facilities.

**2024 Projects**

Project name	Est Cost	Location
General Building Improvements	\$460,000	TBD

**Explain the justification for selected projects planned for 2024:**

Scheduled or unscheduled replacement of building systems and components protects our citizens' investment by maximizing the useful life of our facilities. A primary focus of our work is to increase energy efficiency and install renewable energy systems on City Facilities.

**2025 Projects**

Project name	Est Cost	Location
General Building Improvements	\$480,000	TBD

**Explain the justification for selected projects planned for 2025:**

Scheduled or unscheduled replacement of building systems and components protects our citizens' investment by maximizing the useful life of our facilities. A primary focus of our work is to increase energy efficiency and install renewable energy systems on City Facilities.

**2026 Projects**

Project name	Est Cost	Location
General Building Improvements	\$500,000	TBD

**Explain the justification for selected projects planned for 2026:**

Scheduled or unscheduled replacement of building systems and components protects our citizens' investment by maximizing the useful life of our facilities. A primary focus of our work is to increase energy efficiency and install renewable energy systems on City Facilities.

**Operating Costs**

What are the estimated annual operating costs associated with the projects planned within this program?

**Personnel**

# of FTEs	Annual Cost	Description
<input type="text"/>	<input type="text"/>	N/A

**Non-Personnel**

Major	Amount	Description
<input type="text"/>	<input type="text"/>	N/A

**Notes**

## 2021 Capital Improvement Plan Capital Budget Proposal

### Identifying Information

<b>Agency</b>	Engineering - Facilities Management	<b>Proposal Name</b>	Horizon List Planning
<b>Project Number</b>	12641	<b>Project Type</b>	Program
<b>Project Category</b>	Other	<b>Priority:</b>	12
<b>2021 Project Number</b>	13138		

### Description

This project is for fully scoping projects identified on the capital budget horizon list. The goal of this project is to provide accurate project scope with a detailed cost estimate to ensure readiness of proposed capital projects on the horizon list.

### Budget Information

**Prior Appropriation\***  **Prior Year Actual\***

\*Based on Fiscal Years 2015-2019

### Budget by Funding Source

Funding Source	2021	2022	2023	2024	2025	2026
GF GO Borrowing	300,000	300,000	300,000	300,000	300,000	300,000
<b>Total</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$300,000</b>

### Budget by Expenditure Type

Expense Type	2021	2022	2023	2024	2025	2026
Other	300,000	300,000	300,000	300,000	300,000	300,000
<b>Total</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$300,000</b>

### Explain any changes from the 2020 CIP in the proposed funding for this program.

N/A

### Priority

**Citywide Element** Effective Government

**Strategy** Ensure that the City of Madison government is transparent and accountable.

#### Describe how this project advances the Citywide Element:

The Horizon List are projects that meet a clear community purpose but are not yet fully planned to the level to be considered and funded within the fiscal capacity of the 2021 CIP. Planning efforts around these projects should continue in 2021 seeking to address the identified outstanding issues. The 2021 capital budget also includes a central allocation of funding that can be used to support costs associated with analyzing these projects where necessary. With more complete information, these projects can be proposed in a future CIP planning process. Taking this action is intended to ensure the Capital Budget & CIP are built using project budgets and metrics that are consistent with the scope and overall goal of capital projects.

### Project Schedule & Location

#### 2021 Projects

Project name	Est Cost	Location
TBD by City Finance/Mayor's Office	\$300,000	TBD by City Finance/Mayor's Office

**Explain the justification for selected projects planned for 2021:**

Funding may not be needed. TBD based on scope of Horizon List.

**2022 Projects**

Project Name	Est Cost	Location
TBD by City Finance/Mayor's Office	\$300,000	TBD by City Finance/Mayor's Office

**Explain the justification for selected projects planned for 2022:**

Funding may not be needed. TBD based on scope of Horizon List.

**2023 Projects**

Project Name	Est Cost	Location
TBD by City Finance/Mayor's Office	\$300,000	TBD by City Finance/Mayor's Office

**Explain the justification for selected projects planned for 2023:**

Funding may not be needed. TBD based on scope of Horizon List.

**2024 Projects**

Project name	Est Cost	Location
TBD by City Finance/Mayor's Office	\$300,000	TBD by City Finance/Mayor's Office

**Explain the justification for selected projects planned for 2024:**

Funding may not be needed. TBD based on scope of Horizon List.

**2025 Projects**

Project name	Est Cost	Location
TBD by City Finance/Mayor's Office	\$300,000	TBD by City Finance/Mayor's Office

**Explain the justification for selected projects planned for 2025:**

Funding may not be needed. TBD based on scope of Horizon List.

**2026 Projects**

Project name	Est Cost	Location
TBD by City Finance/Mayor's Office	\$300,000	TBD by City Finance/Mayor's Office

**Explain the justification for selected projects planned for 2026:**

Funding may not be needed. TBD based on scope of Horizon List.

**Operating Costs**

What are the estimated annual operating costs associated with the projects planned within this program?

**Personnel**

# of FTEs	Annual Cost	Description
		N/A

**Non-Personnel**

Major	Amount	Description
		N/A

**Notes**

Notes:

## 2021 Capital Improvement Plan Capital Budget Proposal

### Identifying Information

<b>Agency</b>	Engineering - Facilities Management	<b>Proposal Name</b>	Park Facility Improvement
<b>Project Number</b>	10564	<b>Project Type</b>	Program
<b>Project Category</b>	Facility	<b>Priority:</b>	8
<b>2021 Project Number</b>	13136		

### Description

This program is for improvements to the City's Parks facilities. The goals of this program are to design/build new buildings and maintain the existing Parks facilities to provide quality park facilities to the community, and to lower energy costs by implementing energy efficiency components within the improvement projects. Project in 2021 include Tenney Park Beach Shelter (Clean Beach Program) design/construction start, Garner Roof Replacement, and Door Creek Shelter design.

### Budget Information

<b>Prior Appropriation*</b>	\$4,350,074	<b>Prior Year Actual*</b>	\$3,513,343
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\*Based on Fiscal Years 2015-2019

### Budget by Funding Source

Funding Source	2021	2022	2023	2024	2025	2026
GF GO Borrowing	1,000,000	925,000	1,832,500	375,000	503,000	575,000
<b>Total</b>	<b>\$1,000,000</b>	<b>\$925,000</b>	<b>\$1,832,500</b>	<b>\$375,000</b>	<b>\$503,000</b>	<b>\$575,000</b>

### Budget by Expenditure Type

Expense Type	2021	2022	2023	2024	2025	2026
Building	1,000,000	925,000	1,832,500	375,000	503,000	575,000
<b>Total</b>	<b>\$1,000,000</b>	<b>\$925,000</b>	<b>\$1,832,500</b>	<b>\$375,000</b>	<b>\$503,000</b>	<b>\$575,000</b>

### Explain any changes from the 2020 CIP in the proposed funding for this program.

- Moved Door Creek Shelter construction to 2023 and increased construction costs. The building is intended to be a year-round heated/cooled space (i.e. not the more "basic" open air prototype shelters, with restrooms, that have been completed in the last 5 years)
- Added Tenney Park Beach Shelter - This project is for replacement of existing Tenney Park Beach Shelter in support of the City/County clean beach program. The scope of this project includes site improvements and the shelter building. The clean beach "enclosure" and cleaning equipment by others.

### Priority

**Citywide Element** Culture and Character

**Strategy** Acquire parkland and upgrade park facilities to accommodate more diverse activities and gatherings.

**Describe how this project advances the Citywide Element:**

This program is for improvements to the City's Parks facilities. The goals of this program are to design/build new buildings and maintain the existing park buildings to provide quality park facilities to the community, and to lower energy costs by implementing energy efficiency components within the improvement projects.

### Project Schedule & Location

#### 2021 Projects

Project name	Est Cost	Location
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Project name	Est Cost	Locaon
Tenney Park Beach Shelter (design + construon start) - Clean Beach Program	\$700,000	402 N Thornton Ave - AD02
Garner Park Roof Replacement	\$300,000	333 S Rosa Rd - AD11

**Explain the jusfic aon f or selecng pr ojects planned for 2021:**

Tenney Park Beach Shelter - The exisng shelt er will not support the needs of the clean beach program and is also lacking in accommodaons f or disabilities. A ne w prototype facility (sim to Warner Park Beach Shelter) can accommodate both needs.

Garner Park Roof Replacement - Based on life space and on site analysis the roof requires full replacement to address on-going maintenance issues.

**2022 Projects**

Project Name	Est Cost	Locaon
Tenney Park Beach Shelter (construon compleon) - Clean Beach Pr ogram	\$600,000	402 N Thornton Ave - AD02
Olbrich Botanical Co age Repoinng	\$325,000	3267 Garver Green - AD06

**Explain the jusfic aon f or selecng pr ojects planned for 2022:**

Tenney Park Beach Shelter - The exisng shelt er will not support the needs of the clean beach program and is also lacking in accommodaons f or disabilities. A ne w prototype facility (sim to Warner Park Beach Shelter) can accommodate both needs.

Olbrich Botanical Co age Repoinng - Based on on sit e analysis it has been determined that a full masonry restoraon/r epair project should be completed for the long term health of this historic building.

**2023 Projects**

Project Name	Est Cost	Locaon
Rennebohm Park Shelter Renovaon	\$332,000	115 N Eau Claire Ave - AD11
Door Creek Shelter	\$1,500,000	7035 Lilemor e Dr - AD03

**Explain the jusfic aon f or selecng pr ojects planned for 2023:**

Rennebohm Park is a community park that is seeing more use from higher density development in the surrounding area. An inial e valuaon b y Parks Facilities de termined the building requires updates to extend the building's useful service life.

Door Creek Shelter - The park currently does not have permanent restroom facilies and a futur e shelter/restroom building will enhance public use of the park.

**2024 Projects**

Project name	Est Cost	Locaon
Westmoreland Park Rehab Shelter	\$375,000	4114 Tokay Blvd - AD11

**Explain the jusfic aon f or selecng pr ojects planned for 2024:**

**2025 Projects**

Project name	Est Cost	Locaon
Forest Hill Cemetery Office Repairs	\$503,000	1 Speedway Rd - AD13

**Explain the jusfic aon f or selecng pr ojects planned for 2025:**

Forest Hill Cemetery Office Repairs - An inial e valuaon b y Parks staff determined the building's interior requires repair and restoraon t o extend the building's useful service life.

**2026 Projects**

Project name	Est Cost	Locaon
Yahara Hills Park Barn Preservaon	\$250,000	6701 US-12 & 18 East - AD16
General Parks Improvements - Unallocated	\$325,000	N/A

**Explain the jusfic aon f or selecng pr ojects planned for 2026:**

Yahara Hills Barn Preservaon - Improvements to the historic structure will extend building's useful service life and potentially provide use beyond material and equipment storage.

**Operang Cos ts**

What are the esma ted annual operang c osts associated with the projects planned within this program?

# of FTEs	Annual Cost	Descripon
		Expectaon is Door Creek Shelter will increase Parks' operang c osts. An esma te of the impact to the operang budg et was not available at the me of budg et submission.

**Non-Personnel**

Major	Amount	Descripon
		Expectaon is Door Creek Shelter will increase Parks' operang c osts. An esma te of the impact to the operang budg et was not available at the me of budg et submission.

**Notes**

Notes:

v 05/04/2020

## 2021 Capital Improvement Plan Capital Budget Proposal

### Identifying Information

<b>Agency</b>	Engineering - Facilities Management	<b>Proposal Name</b>	Sayle Street Facility Remo
<b>Project Number</b>	11079	<b>Project Type</b>	Project
<b>Project Category</b>	Facility	<b>Priority:</b>	7

### Description

This project is for renovating the shared shop space at the Traffic Engineering and Parking Utility facility located at 1120 Sayle Street. The project scope includes space reconfigurations for the Traffic Engineering and Parking Field Operations Facility (including replacement of the existing HVAC system). The goal of the project is to improve work safety conditions.

### Budget Information

**Total Project Budget**  **Prior Appropriation**

### Budget by Funding Source

Funding Source	2021	2022	2023	2024	2025	2026
GF GO Borrowing	200,000	1,185,000				
Reserves Applied		260,000				
<b>Total</b>	<b>\$200,000</b>	<b>\$1,445,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

### Budget by Expenditure Type

Expense Type	2021	2022	2023	2024	2025	2026
Building	200,000	1,445,000				
<b>Total</b>	<b>\$200,000</b>	<b>\$1,445,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

### Explain any changes from the 2020 CIP in the proposed funding for this project.

The City Traffic Engineer has requested moving design funds into 2021, and construction into 2022. This schedule is recommended due to the departure of the "Radio Shop" operations from the Sayle Street facility to the new Fleet/Fire/Radio Shop on Nakoosa Trail in late 2020. Moving design and construction to 2021/2022 will advance much needed repairs to the facility mechanical system and improvements to congested work spaces.

**PLEASE NOTE:** If the above construction schedule is not acceptable, we request that design funds stay in 2021 so that we may scope and properly estimate the project.

### Priority

**Citywide Element**

**Strategy**

#### Describe how this project advances the Citywide Element:

Scheduled replacement of building systems and components protects our citizens' investment by maximizing the useful life of our facilities. A primary focus of our work is to increase energy efficiency and install renewable energy systems on City Facilities.

#### What is the justification for this project?

This project funds renovations of shop space and work space(s) at the Traffic Engineering facility located at 1120 Sayle Street. The existing facility includes the Radio Shop which will be relocated to the new Fleet/Fire/Radio Shop Facility located at Nakoosa Trail in 2020. The renovation will reconfigure the existing shop space to provide additional space for the Sign Shop and replace the existing HVAC system at the facility. The goal of the project is to improve work safety conditions. The request is for design in 2020 and construction in 2021.

### Project Schedule & Location

**Can this project be mapped?**  Yes  No

**What is the location of the project?**

Is this project on the Project's Portal?  Yes  No

2021	Status		
	Status/Phase	Est Cost	Descripon
		200000	Design to replace mechanical system throughout facility and redesign shop/work space due to depa
2022	Status		
	Status/Phase	Est Cost	Descripon
		1445000	Construon t o replace mechanical system throughout facility and redesign shop/work space due t
2023	Status		
	Status/Phase	Est Cost	Descripon
2024	Status		
	Status/Phase	Est Cost	Descripon
2025	Status		
	Status/Phase	Est Cost	Descripon
2026	Status		
	Status/Phase	Est Cost	Descripon

### Operang Cos ts

What are the esma ted annual operang c osts associated with the project?

#### Personnel

# of FTEs	Annual Cost	Descripon
<input type="text"/>	<input type="text"/>	NA

#### Non-Personnel

Major	Amount	Descripon
<input type="text"/>	<input type="text"/>	NA

### Notes

Notes:

v 05/04/2020

## 2021 Capital Improvement Plan Capital Budget Proposal

### Identifying Information

<b>Agency</b>	Engineering - Facilities Management	<b>Proposal Name</b>	Streets Facility Improvement
<b>Project Number</b>	10565	<b>Project Type</b>	Program
<b>Project Category</b>	Facility	<b>Priority:</b>	9
<b>2021 Project Number</b>	13137		

### Description

This program is for improvements to the four Streets Division facilities. The goal of this program is to maintain and improve the City's Streets facilities to optimize service operations and work conditions, and to lower energy costs by implementing energy efficiency components within the improvement projects.

### Budget Information

**Prior Appropriation\***  **Prior Year Actual\***

\*Based on Fiscal Years 2015-2019

### Budget by Funding Source

Funding Source	2021	2022	2023	2024	2025	2026
GF GO Borrowing	0	500,000	450,000	450,000	500,000	1,100,000
<b>Total</b>	<b>\$0</b>	<b>\$500,000</b>	<b>\$450,000</b>	<b>\$450,000</b>	<b>\$500,000</b>	<b>\$1,100,000</b>

### Budget by Expenditure Type

Expense Type	2021	2022	2023	2024	2025	2026
Building	0	500,000	450,000	450,000	500,000	1,100,000
<b>Total</b>	<b>\$0</b>	<b>\$500,000</b>	<b>\$450,000</b>	<b>\$450,000</b>	<b>\$500,000</b>	<b>\$1,100,000</b>

### Explain any changes from the 2020 CIP in the proposed funding for this program.

Added costs in 2026 to remodel the office spaces at Streets West. Mechanical systems in this area are past their useful life and will need to be replaced. The mechanical work will be extensive, providing opportunity to improve work space to meet current needs and improve office and meeting room spaces for staff. Intend to start design in 2025.

### Priority

**Citywide Element**

**Strategy**

#### Describe how this project advances the Citywide Element:

Scheduled replacement of building systems and components protects our citizens' investment by maximizing the useful life of our facilities. A primary focus of our work is to increase energy efficiency and install renewable energy systems on City Facilities.

### Project Schedule & Location

#### 2021 Projects

Project name	Est Cost	Location
N/A	\$0	

Explain the justification for selecting projects planned for 2021:

Agency Requests

**2022 Projects**

Project Name	Est Cost	Locaon
Streets West - Projects include replacement of make-up air systems and electrical service upgrade.	\$500,000	1501 W Badger Road

**Explain the justification for selected projects planned for 2022:**

Scheduled replacement of building systems and components protects our citizens' investment by maximizing the useful life of our facilities. A primary focus of our work is to increase energy efficiency and install renewable energy systems on City Facilities.

**2023 Projects**

Project Name	Est Cost	Locaon
Streets West and East - Generator Replacements + scheduled building component replacements at all Streets locations.	\$450,000	1501 W Badger Road, 4602 Sycamore Avenue, 121 East Olin Avenue

**Explain the justification for selected projects planned for 2023:**

Scheduled replacement of building systems and components protects our citizens' investment by maximizing the useful life of our facilities. A primary focus of our work is to increase energy efficiency and install renewable energy systems on City Facilities.

**2024 Projects**

Project name	Est Cost	Locaon
Streets West - Boiler Upgrade, Washbay make-up air replacement + scheduled building component replacements at all Streets locations.	\$450,000	1501 W Badger Road, 4602 Sycamore Avenue, 121 East Olin Avenue

**Explain the justification for selected projects planned for 2024:**

**2025 Projects**

Project name	Est Cost	Locaon
Streets West - Commence design work, and construction work in the office area.	\$500,000	1501 W Badger Road

**Explain the justification for selected projects planned for 2025:**

Scheduled replacement of building systems and components protects our citizens' investment by maximizing the useful life of our facilities. A primary focus of our work is to increase energy efficiency and install renewable energy systems on City Facilities.

**2026 Projects**

Project name	Est Cost	Locaon
Streets West - Construction work in the office area.	\$1,100,000	1501 W Badger Road

**Explain the justification for selected projects planned for 2026:**

Scheduled replacement of building systems and components protects our citizens' investment by maximizing the useful life of our facilities. A primary focus of our work is to increase energy efficiency and install renewable energy systems on City Facilities.

**Operating Costs**

What are the estimated annual operating costs associated with the projects planned within this program?

**Personnel**

# of FTEs	Annual Cost	Description
<input type="text"/>	<input type="text"/>	N/A

**Non-Personnel**

Major	Amount	Description
<input type="text"/>	<input type="text"/>	N/A

## 2021 Capital Improvement Plan Capital Budget Proposal

### Identifying Information

<b>Agency</b>	Engineering - Facilities Management	<b>Proposal Name</b>	Sustainability Improvement
<b>Project Number</b>	10563	<b>Project Type</b>	Program
<b>Project Category</b>	Facility	<b>Priority:</b>	2
<b>2021 Project Number</b>	13135		

### Description

This fund is for implementation of the City of Madison Sustainability Plan, the 100% Renewable Madison Report & Resiliency Planning through community programming as well as the Renewable Energy Credit (REC) purchases contracted through 2023.

### Budget Information

<b>Prior Appropriation*</b>	\$3,755,325	<b>Prior Year Actual*</b>	\$3,752,511
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\*Based on Fiscal Years 2015-2019

### Budget by Funding Source

Funding Source	2021	2022	2023	2024	2025	2026
GF GO Borrowing	850,000	850,000	850,000	850,000	850,000	850,000
<b>Total</b>	<b>\$850,000</b>	<b>\$850,000</b>	<b>\$850,000</b>	<b>\$850,000</b>	<b>\$850,000</b>	<b>\$850,000</b>

### Budget by Expenditure Type

Expense Type	2021	2022	2023	2024	2025	2026
Other	850,000	850,000	850,000	850,000	850,000	850,000
<b>Total</b>	<b>\$850,000</b>	<b>\$850,000</b>	<b>\$850,000</b>	<b>\$850,000</b>	<b>\$850,000</b>	<b>\$850,000</b>

### Explain any changes from the 2020 CIP in the proposed funding for this program.

The Green Power Training Program, and all other energy improvement projects at City-owned facilities has been moved from Sustainability Improvements budget to Energy Improvements budget.

### Priority

**Citywide Element** Green and Resilient

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

#### Describe how this project advances the Citywide Element:

This fund is for implementation of the City of Madison Sustainability Plan, the 100% Renewable Madison Report & Resiliency Planning through community programming as well as the Renewable Energy Credit (REC) purchases contracted through 2023.

### Project Schedule & Location

#### 2021 Projects

Project name	Est Cost	Location
REC - Contract Amount (Updated)	\$412,237	N/A
MRETS (website for REC transfers)	\$1,100	N/A
<b>2021 Capital Budget</b>		<b>Agency Requests</b>

Project name	Est Cost	Locaon
MPOWER (Sustain Dane)	\$40,000	N/A
MADISUN (RENEW WI) - Residental Gr oup Buy, Business Incenv es & Backyard Grants	\$125,000	N/A
USDN Membership	\$3,500	N/A
ICLEI Membership	\$2,250	N/A
100% Renewable Madison Website	\$327	N/A
Implementaon of the Sus tainability Plan, 100% Renewable Madison Report & Resiliency Planning	\$15,586	N/A
Energy Efficiency Program (Residental & Commercial)	\$250,000	N/A

**Explain the justfic aon f or selecng pr ojects planned for 2021:**

Make progress toward achieving 100% renewable energy & zero net carbon for city operaons & leading the c ommunity; Make progress toward goals in the Madison Sustainability Plan; Make progress on Resiliency Planning due to Climate Change Impacts.

**2022 Projects**

Project Name	Est Cost	Locaon
REC - Contract Amount (Updated)	\$178,112	N/A
MRETS (website for REC transfers)	\$1,100	N/A
MPOWER (Sustain Dane)	\$40,000	N/A
MADISUN (RENEW WI) - Residental Gr oup Buy, Business Incenv es & Backyard Grants	\$125,000	N/A
USDN Membership	\$3,500	N/A
ICLEI Membership	\$2,250	N/A
100% Renewable Madison Website	\$327	N/A
Implementaon of the Sus tainability Plan, 100% Renewable Madison Report & Resiliency Planning	\$249,711	N/A
Energy Efficiency Program (Residental & Commercial)	\$250,000	N/A

**Explain the justfic aon f or selecng pr ojects planned for 2022:**

Make progress toward achieving 100% renewable energy & zero net carbon for city operaons & leading the c ommunity; Make progress toward goals in the Madison Sustainability Plan; Make progress on Resiliency Planning due to Climate Change Impacts.

**2023 Projects**

Project Name	Est Cost	Locaon
REC - Contract Amount (Updated)	\$91,715	N/A
MRETS (website for REC transfers)	\$1,100	N/A
MPOWER (Sustain Dane)	\$40,000	N/A
MADISUN (RENEW WI) - Residental Gr oup Buy, Business Incenv es & Backyard Grants	\$125,000	N/A
USDN Membership	\$3,500	N/A

Project Name	Est Cost	Locaon
ICLEI Membership	\$2,250	N/A
100% Renewable Madison Website	\$327	N/A
Implementaon of the Sus tainability Plan, 100% Renewable Madison Report & Resiliency Planning	\$336,108	N/A
Energy Efficiency Program (Residenal & Commercial)	\$250,000	N/A

**Explain the jusfic aon f or selecng pr ojects planned for 2023:**

Make progress toward achieving 100% renewable energy & zero net carbon for city operaons & leading the c ommunity; Make progress toward goals in the Madison Sustainability Plan; Make progress on Resiliency Planning due to Climate Change Impacts.

**2024 Projects**

Project name	Est Cost	Locaon
MRETS (website for REC transfers)	\$1,100	N/A
MPOWER (Sustain Dane)	\$40,000	N/A
MADISUN (RENEW WI) - Residenal Gr oup Buy, Business Incenv es & Backyard Grants	\$125,000	N/A
USDN Membership	\$3,500	N/A
ICLEI Membership	\$2,250	N/A
100% Renewable Madison Website	\$327	N/A
Implementaon of the Sus tainability Plan, 100% Renewable Madison Report & Resiliency Planning	\$427,823	N/A
Energy Efficiency Program (Residenal & Commercial)	\$250,000	N/A

**Explain the jusfic aon f or selecng pr ojects planned for 2024:**

Make progress toward achieving 100% renewable energy & zero net carbon for city operaons & leading the c ommunity; Make progress toward goals in the Madison Sustainability Plan; Make progress on Resiliency Planning due to Climate Change Impacts.

**2025 Projects**

Project name	Est Cost	Locaon
MRETS (website for REC transfers)	\$1,100	N/A
MPOWER (Sustain Dane)	\$40,000	N/A
MADISUN (RENEW WI) - Residenal Gr oup Buy, Business Incenv es & Backyard Grants	\$125,000	N/A
USDN Membership	\$3,500	N/A
ICLEI Membership	\$2,250	N/A
100% Renewable Madison Website	\$327	N/A
Implementaon of the Sus tainability Plan, 100% Renewable Madison Report & Resiliency Planning	\$427,823	N/A
Energy Efficiency Program (Residenal & Commercial)	\$250,000	N/A

**Explain the jusfic aon f or selecng pr ojects planned for 2025:**

Make progress toward achieving 100% renewable energy & zero net carbon for city operations & leading the community; Make progress toward goals in the Madison Sustainability Plan; Make progress on Resiliency Planning due to Climate Change Impacts.

**2026 Projects**

Project name	Est Cost	Location
MRETS (website for REC transfers)	\$1,100	N/A
MPOWER (Sustain Dane)	\$40,000	N/A
MADISUN (RENEW WI) - Residential Group Buy, Business Incentives & Backyard Grants	\$125,000	N/A
USDN Membership	\$3,500	N/A
ICLEI Membership	\$2,250	N/A
100% Renewable Madison Website	\$327	N/A
Implementation of the Sustainability Plan, 100% Renewable Madison Report & Resiliency Planning	\$427,823	N/A
Energy Efficiency Program (Residential & Commercial)	\$250,000	N/A

**Explain the justification for selected projects planned for 2026:**

Make progress toward achieving 100% renewable energy & zero net carbon for city operations & leading the community; Make progress toward goals in the Madison Sustainability Plan; Make progress on Resiliency Planning due to Climate Change Impacts.

**Operating Costs**

What are the estimated annual operating costs associated with the projects planned within this program?

**Personnel**

# of FTEs	Annual Cost	Description
<input type="text"/>	<input type="text"/>	N/A

**Non-Personnel**

Major	Amount	Description
<input type="text"/>	<input type="text"/>	N/A

**Notes**

Notes:

## City of Madison 2020 Authorized Projects

### Summary Status

Agency : Engineering

Engineering - Facilities Management

# of Projects on Schedule

7

# of Projects Delayed

5

Project	2020 Budget	Status	Notes
General Building Improvements	280,000	On schedule	
Fire Building Improvements - Facilities Management	450,000	On schedule	
CCB Improvements	100,000	On schedule	This is assumed. I don't know their scope.
Energy Improvements	280,000	On schedule	
Sustainability Improvements	750,000	On schedule	
Park Facility Improvements	975,000	Delayed -- will not be started until 2021	Parks is moving Door Creek Shelter construction to 2023, therefore we will push design start to 2021.
Streets Facility Improvements	190,000	On schedule	
CCB 4th Floor Remodel	125,000	Delayed -- will be started in 2020 but	Intended to start early 2020. Due to staffing and COVID, design will extend into 2021.
CCB 5th Floor Remodel	115,000	Delayed -- will be started in 2020 but	Intended to start early 2020. Due to staffing and COVID, design will extend into 2021.
CCB 1st Floor Remodel - Assessor & Clerk	150,000	Delayed -- will be started in 2020 but	Intended to start early 2020. Due to staffing and COVID, design will extend into 2021.
CCB 1st Floor Remodel - Engineering	300,000	Delayed -- will be started in 2020 but	Intended to start early 2020. Due to staffing and COVID, design will extend into 2021.
Horizon List Planning	300,000	On schedule	Used very little.
<b>TOTAL</b>	<b>\$ 4,015,000</b>		