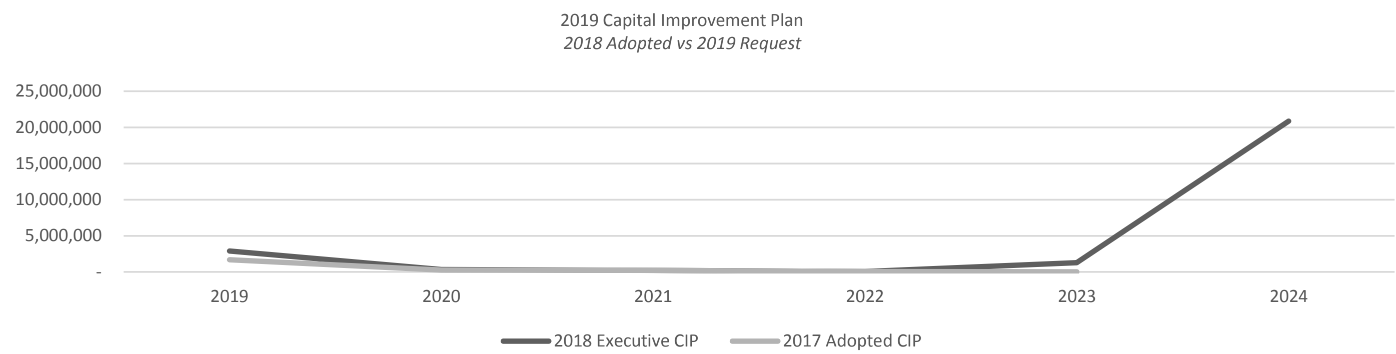
Parking Utility

Capital Improvement Plan

Project Summary

	Agency Priority	2019	2020	2021	2022	2023	2024
Garage Lighting Replacement	1	366,300	-	-	-	-	-
Lake Street Garage Replacement	7	-	-	-	-	1,200,000	20,800,000
Overture Parking Garage Barriers	5	625,000	-	-	-	-	-
Parking Garage Window Replacement	3	210,000	-	-	-	-	-
Sayle Street	6	10,000	190,500	70,500	10,000	10,000	10,000
Single Space Meter Replacement	2	1,500,000	-	-	-	-	-
Vehicle Replacement	4	193,000	133,000	146,000	45,500	70,000	50,000
Total		**$ 2,904,300**	**$ 323,500**	**$ 216,500**	**$ 55,500**	**$ 1,280,000**	**$ 20,860,000**

Changes from 2018 CIP



Projects Added

- Garage Lighting Replacement: Funding added in 2019 ($0.37m)
- Overture Parking Garage Barriers: Funding added in 2019 ($0.625m)
- Parking Garage Window Replacement: Funding added in 2019 ($0.21m)
- Lake Street Garage Replacement: Funding added in 2023 and 2024 ($22.0m)

Program Adjustments

- Vehicle Replacements: Budget increased 2019 to 2023 ($0.144m)

CITY OF MADISON
INTER-DEPARTMENTAL
CORRESPONDENCE

DATE: May 9, 2018

TO: David Schmiedicke, Finance Department

FROM: Sabrina Tolley, Assistant Parking Utility Manager

SUBJECT: **Parking Utility 2019 Capital Budget Requests**

The 2019 Parking Utility Capital Budget includes proposed funding to complete the lighting replacement project at the Overture Center Garage, continue replacement of single space meters, replace windows and frames at Overture Center Garage and other facilities, install fencing and screening on upper levels of the Overture Center Garage, as well as funding for the Annual Vehicle Replacement Program, Sayle Street Facility Improvements Program, and replacement of the State Street Campus Lake Garage in 2024.

The Capitol East District Garage and Judge Doyle Garage are under construction and expected to be completed in 2018 and 2019, respectively. Additionally, the PARCS Equipment Replacement Project is underway and expected to be completed in late 2018. The State Street Campus Frances Garage Lighting Project will begin construction in summer 2018 with completion in fall 2018, with the Overture Center Garage lighting project planned for construction and completion in 2019.

The 2019 budget reflects consideration of priorities to maintain and replace existing facilities based on safety, public impact, condition of infrastructure and operating costs, as well as staff capacity for planning and implementation of projects when considering future project schedules and budget requests.

The budget also reflects the Parking Utility's goals that as infrastructure replacement and improvement needs arise, these projects will incorporate new technologies and approaches to meet existing and future parking needs, increase operational efficiencies, reduce energy consumption, and enhance the experience of visiting and parking in Madison.

The list of projects and programs below reflect the priorities for meeting the Parking Utility's 2019 goals.

1. Garage Lighting Replacement Project
2. Single Space Meter Replacement Project
3. Window and Frame Replacement Project
4. Vehicle Replacement Program
5. Overture Center Fencing/Screening Project
6. Sayle Street Facility Improvements Program
7. State Street Campus Lake Replacement Project

Submitted

Capital Budget Proposals

Section 1: Identifying Information

Agency

Parking Utility

Proposal Name

Garage Lighting Replacement

Project Category

Project Number

16120

Proposal Description

This project will replace all the existing overhead lighting fixtures with energy efficient LED lights in all parking garages operated by the Parking Utility. The goal of the project is to replace obsolete fixtures with energy efficient, longer lasting and higher quality lights. Progress will be measured by a decrease in energy consumption and reduced energy costs.

Proposal Type

Project

Priority

1

Section 2: Project Budget

Total Project Budget $2,957,000

Prior Appropriation

Budget by Year

Funding Source	*2019*	*2020*	*2021*	*2022*	*2023*	*2024*
Reserves Applied	366,300					
Total	$366,300	$0	$0	$0	$0	$0

Expense Type	*2019*	*2020*	*2021*	*2022*	*2023*	*2024*
Building	366,300					
Total	$366,300	$0	$0	$0	$0	$0

What is the methodology used to determine the budget for this project?

Engineering consultant project cost estimate. The total project cost for the Overture Center Garage Lighting Project is $775,000. $408,700 of the project budget was appropriated in 2018.

Are any fleet equipment or vehicles being purchased within this project budget?

○ Yes ◉ No

Have matching funds been secured for any projects within the program?

○ Yes ◉ No

Section 3: Project Justification

Is this project called for in an approved master plan?

○ Yes ◉ No

What is the desired outcome of the proposed project?

This project is to replace all existing lighting overhead fixtures in parking garages with energy efficient LED lights, replace wiring and conduit, and install carbon monoxide detectors with fan controls.

How will this outcome be measured?

Lighting quality will be visibly brighter and higher quality light, significant decreases in energy consumption are expected as well as a reduction in lighting maintenance costs.

Section 4: Project Scope & Status

What is the scope of project?

The State Street Campus Frances garage lighting project will begin and complete construction in 2018. The Overture Center Garage lighting project will be the next and final project to be completed. Design for the Overture Center Garage project will be completed in 2018 with construction and completion in 2019.

Can this project be mapped?

◉ Yes ○ No

What is the street address of the project?

318 W. Mifflin Street

Is this project on the Project's Portal?

○ Yes ◉ No

What is the total project timespan (all years for all phases)?

Start Year: 2016 **End Year:** 2019

What is the current status of the project?

Schematic Design

Planned Schedule

	2019	*2020*	*2021*	*2022*	*2023*	*2024*
Project Status	Construction Completion					

Section 5: Operating Costs

What is the estimated annual operating costs associated with the project? $0

Personnel

# of FTEs	*Annual Cost*	*Description*

Non-Personnel

Major	*Amount*	*Description*

Notes

Notes:

Submitted

Capital Budget Proposals

Section 1: Identifying Information

Agency

Parking Utility

Proposal Name

Parking Garage Window Repl

Project Category

Project Number

19010

Proposal Description

This project will replace the windows and frames at Overture Center Garage, as well as two doors and frames at State Street Campus Lake Garage, and four doors and frames at State Street Capitol Garage.

Proposal Type

Project

Priority

3

Section 2: Project Budget

Total Project Budget $210,000

Prior Appropriation

Budget by Year

Funding Source	*2019*	*2020*	*2021*	*2022*	*2023*	*2024*
Reserves Applied	210,000					
Total	$210,000	$0	$0	$0	$0	$0

Expense Type	*2019*	*2020*	*2021*	*2022*	*2023*	*2024*
Building	210,000					
Total	$210,000	$0	$0	$0	$0	$0

What is the methodology used to determine the budget for this project?

An inspection by a qualified Professional Engineer has determined the scope of the window and door replacement needs. Costs have been estimated using past project costs and current preliminary proposals from local suppliers and installers.

Are any fleet equipment or vehicles being purchased within this project budget?

○ Yes ◉ No

Have matching funds been secured for any projects within the program?

○ Yes ◉ No

Section 3: Project Justification

Is this project called for in an approved master plan?

○ Yes ◉ No

What is the desired outcome of the proposed project?

Ensure that windows and frames are structurally sound and sealed against the elements. Extend the useful life of the parking garages.

How will this outcome be measured?

Completion of project scope.

Section 4: Project Scope & Status

What is the scope of project?

Replacement of the windows, window frames, and select stairwell doors at the Overture Center Garage, replacement of two doors and frames at State Street Campus Lake garage, and four doors and frames at the State Street Capitol Garage.

Can this project be mapped?

◉ Yes ○ No

What is the street address of the project?

318 W. Mifflin Street

Is this project on the Project's Portal?

○ Yes ◉ No

What is the total project timespan (all years for all phases)?

Start Year: 2019 **End Year:** 2019

What is the current status of the project?

Planning

Planned Schedule

	2019	*2020*	*2021*	*2022*	*2023*	*2024*
Project Status	Construction Completion					

Section 5: Operating Costs

What is the estimated annual operating costs associated with the project? $0

Personnel

# of FTEs	*Annual Cost*	*Description*

Non-Personnel

Major	*Amount*	*Description*
		No net change anticipated for operating costs as a result of the project.

Notes

Notes:

Submitted

Capital Budget Proposals

Section 1: Identifying Information

Agency

Parking Utility

Proposal Name

Lake Street Garage Replacem

Project Category

Project Number

19015

Proposal Description

This project is to replace the State Street Campus Lake Garage as it nears the end of its useful life, and is a potential site for an intercity, intermodal bus terminal to be constructed in conjunction with the garage replacement project.

Proposal Type

Project

Priority

7

Section 2: Project Budget

Total Project Budget $22,000,000

Prior Appropriation

Budget by Year

Funding Source	*2019*	*2020*	*2021*	*2022*	*2023*	*2024*
Reserves Applied					1,200,000	20,800,000
Total	$0	$0	$0	$0	$1,200,000	$20,800,000

Expense Type	*2019*	*2020*	*2021*	*2022*	*2023*	*2024*
Building					1,200,000	20,800,000
Total	$0	$0	$0	$0	$1,200,000	$20,800,000

What is the methodology used to determine the budget for this project?

Opinion of probable cost from consultant in April 2017 based on concept design and 15% contingency applied. The budget may be adjusted in future years as design concepts are explored and refined, and in accordance with future market conditions.

Are any fleet equipment or vehicles being purchased within this project budget?

○ Yes ◉ No

Have matching funds been secured for any projects within the program?

○ Yes ◉ No

Section 3: Project Justification

Is this project called for in an approved master plan?

○ Yes ◉ No

What is the desired outcome of the proposed project?

Replacement of the State Street Campus Lake Garage with an approximately 600 stall replacement parking garage.

How will this outcome be measured?

Completion of construction.

Section 4: Project Scope & Status

What is the scope of project?

Replacement of the State Street Campus Lake Garage in addition to a potential intercity multimodal bus terminal. A feasibility study of the terminal is scheduled to be completed in 2022-2023 with funding in the Planning Division budget.

Can this project be mapped?

◉ Yes ○ No

What is the street address of the project?

415 N. Lake Street, Madison, WI 53703

Is this project on the Project's Portal?

○ Yes ◉ No

What is the total project timespan (all years for all phases)?

Start Year: 2022 **End Year:** 2025

What is the current status of the project?

Planned Schedule

	2019	*2020*	*2021*	*2022*	*2023*	*2024*
Project Status				Planning	Schematic Design	Construction

Section 5: Operating Costs

What is the estimated annual operating costs associated with the project? $0

Personnel

# of FTEs	*Annual Cost*	*Description*

Non-Personnel

Major	*Amount*	*Description*

Notes

Notes:

Submitted

Capital Budget Proposals

Section 1: Identifying Information

Agency

Parking Utility

Proposal Name

Overture Parking Garage Bar

Project Category

Project Number

19005

Proposal Description

This project is to install fencing, screening, and/or other physical barriers at the Overture Center Garage to improve safety and restrict access to openings and ledges on upper levels.

Proposal Type

Project

Priority

5

Section 2: Project Budget

Total Project Budget $625,000

Prior Appropriation

Budget by Year

Funding Source	*2019*	*2020*	*2021*	*2022*	*2023*	*2024*
Reserves Applied	625,000					
Total	$625,000	$0	$0	$0	$0	$0

Expense Type	*2019*	*2020*	*2021*	*2022*	*2023*	*2024*
Building	625,000					
Total	$625,000	$0	$0	$0	$0	$0

What is the methodology used to determine the budget for this project?

A study was completed in April 2018 to explore feasability and provide concept design options and cost estimates. The budget is based on this study and preliminary cost estimates for design and construction.

Are any fleet equipment or vehicles being purchased within this project budget?

○ Yes ◉ No

Have matching funds been secured for any projects within the program?

○ Yes ◉ No

Section 3: Project Justification

Is this project called for in an approved master plan?

○ Yes ◉ No

What is the desired outcome of the proposed project?

Install physical barriers on upper levels of garage to improve safety and suicide prevention.

How will this outcome be measured?

Completion of an installation that eliminates access to openings on upper levels of the garage.

Section 4: Project Scope & Status

What is the scope of project?

Design and construction of fencing and/or screening on levels 5, 6, and 7 (roof level).

Can this project be mapped?

◉ Yes ○ No

What is the street address of the project?

318 W. Mifflin Street

Is this project on the Project's Portal?

○ Yes ◉ No

What is the total project timespan (all years for all phases)?

Start Year: 2019 **End Year:** 2019

What is the current status of the project?

Planning

Planned Schedule

	2019	*2020*	*2021*	*2022*	*2023*	*2024*
Project Status	Construction					

Section 5: Operating Costs

What is the estimated annual operating costs associated with the project? $0

Personnel

# of FTEs	*Annual Cost*	*Description*
		No impact on staffing levels.

Non-Personnel

Major	*Amount*	*Description*
		Operating costs to maintain/repair screening or fencing are not known at this time, as design and materials selection have not been completed.

Notes

Notes:

Submitted

Capital Budget Proposals

Section 1: Identifying Information

Agency

Parking Utility

Proposal Name

Sayle Street

Project Category

Facility

Project Number

10025

Proposal Description

This program is for the maintenance and renovation of office space at the Parking Utility facility located at 1120 Sayle Street. The goal of the program is to maintain the facility to ensure adequate and efficient working conditions for staff. Progress will be measured by completion of required maintenance and repairs and by monitoring energy efficiency. Funding in 2018 will support routine maintenance. Funding in 2020 is for the Parking Utility share of renovations associated with the Radio Shop relocation to Nakoosa Trail.

Proposal Type

Program

Priority

6

Section 2: Program Budget

Prior Authorization

	Budget	*Actual*	*Difference*
2015	41,787	40,404	1,384
2016	0	0	0
2017	-116	0	-116
2018	0	0	0
Total	**41,671**	**40,404**	1,268

Budget by Year

Funding Source	*2019*	*2020*	*2021*	*2022*	*2023*	*2024*
Reserves Applied	10,000	190,500	70,500	10,000	10,000	10,000
Total	$10,000	$190,500	$70,500	$10,000	$10,000	$10,000

Expense Type	*2019*	*2020*	*2021*	*2022*	*2023*	*2024*
Building	10,000	190,500	70,500	10,000	10,000	10,000
Total	$10,000	$190,500	$70,500	$10,000	$10,000	$10,000

Does this program have matching funds?

○ **Yes** ○ **No**

Section 3: Minor Projects

2019

Planned Projects

Project	*Estimated Cost*	*Street Address*
2019 Sayle St Maintenance/Repairs	$10,000	1120 Sayle Street

Service Level

What are the end products (asset or infrastructure type) provided by this program?

Asset Type	*Quantity*	*Description*
Building		Annual costs for routine maintenance

2020

Planned Projects

Project	*Estimated Cost*	*Street Address*
Sayle Street Remodel	$190,500	1120 Sayle Street

Service Level

What are the end products (asset or infrastructure type) provided by this program?

Asset Type	Quantity	Description
Building		Parking Utility's estimated share of costs for the Sayle Street remodeling project. This is a shared facility with Traffic Engineering.

2021

Planned Projects

Project	Estimated Cost	Street Address
Sayle Street Remodel	$70,500	1120 Sayle Street

Service Level

What are the end products (asset or infrastructure type) provided by this program?

Asset Type	Quantity	Description
Building		Parking Utility's estimated share of costs for the Sayle Street remodeling project. This is a shared facility with Traffic Engineering.

2022

Planned Projects

Project	Estimated Cost	Street Address
2022 Sayle St Maintenance/Repairs	$10,000	1120 Sayle Street

Service Level

What are the end products (asset or infrastructure type) provided by this program?

Asset Type	Quantity	Description
Building		Annual costs for routine maintenance

2023

Planned Projects

Project	Estimated Cost	Street Address
2023 Sayle St Maintenance/Repairs	$10,000	1120 Sayle Street

Service Level

What are the end products (asset or infrastructure type) provided by this program?

Asset Type	Quantity	Description
Building		Annual costs for routine maintenance

2024

Planned Projects

Project	Estimated Cost	Street Address
2024 Sayle St Maintenance/Repairs	$10,000	1120 Sayle Street

Service Level

What are the end products (asset or infrastructure type) provided by this program?

Asset Type	Quantity	Description
Building		Annual costs for routine maintenance

Section 4: Program Justification

What is the program's desired outcome for the customer?

Remediation and maintenance is required to maintain adequate and efficient working conditions for staff.

How is the outcome currently being measured?

Completion of required maintenance and remodel, improved energy efficiency, and prevention of more costly future maintenance needs.

Notes

Submitted

Capital Budget Proposals

Section 1: Identifying Information

Agency

Parking Utility

Proposal Name

Single Space Meter Replacem

Project Category

Other

Project Number

16003

Proposal Description

This project funds the replacement of the remaining “coin-only” single space meters in use throughout the City with state-of-the-art meters that allow payment from multiple sources including coins, credit cards, or smart-phones. The goal of the program is higher utilization and revenues. Progress will be measured by occupancy and revenue data. A pilot for the project is taking place during the second half of 2017, options for replacement will be reviewed in 2018, the full-scale project is anticipated to begin in late 2019.

Proposal Type

Project

Priority

2

Section 2: Project Budget

Total Project Budget $2,225,000

Prior Appropriation $725,000

Budget by Year

Funding Source	*2019*	*2020*	*2021*	*2022*	*2023*	*2024*
Reserves Applied	1,500,000					
Total	$1,500,000	$0	$0	$0	$0	$0

Expense Type	*2019*	*2020*	*2021*	*2022*	*2023*	*2024*
Machinery and Equipment	1,500,000					
Total	$1,500,000	$0	$0	$0	$0	$0

What is the methodology used to determine the budget for this project?

estimated cost for 650 single space meters, multi-space machine replacements, and software purchase

Are any fleet equipment or vehicles being purchased within this project budget?

○ Yes ◉ No

Have matching funds been secured for any projects within the program?

○ Yes ◉ No

Section 3: Project Justification

Is this project called for in an approved master plan?

○ Yes ◉ No

What is the desired outcome of the proposed project?

Replacement of coin-only meters with multispace machines and singlespace "smart meters" which allow users to pay by coin and credit card, and paybycell. A pilot program is underway for the singlespace "smart meters", and if successful, approximately 650 single space coin-only meters would be replaced by "smartmeters" in 2018. "Smart meters" with sensors could provide realtime availability with potential for wayfinding mobile app for customers to locate an available metered space, resulting in higher utilization, and reduction in excess motor vehicle driving that occurs when drivers circulate to find a parking space. Many of existing on-street multi-space machines are reaching the end of their usefull life and will need need to be replaced in upcoming years. The Parking Utility will explore options for replacement late 2018 - 2019, with a replacement project anticipated to begin in late 2019 through 2020.

How will this outcome be measured?

Number of coin-only meters replaced by multispace machines or singlespace "smart meters". Occupancy and revenue data showing greater utilization.

Section 4: Project Scope & Status

What is the scope of project?

Scope: replacement of all on-street metered spaces (approximately 1400). Status: evaluating smart-meter trial for purchase in mid-late 2018. Planning for multi-space meter replacement options will begin in late 2018.

Can this project be mapped?

◉ **Yes** ○ **No** **What is the street address of the project?**

NA

Is this project on the Project's Portal?

○ **Yes** ◉ **No**

What is the total project timespan (all years for all phases)?

Start Year: 2017 **End Year:** 2020

What is the current status of the project?

Planning

Planned Schedule

	2019	*2020*	*2021*	*2022*	*2023*	*2024*
Project Status	Construction	Construction				

Section 5: Operating Costs

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

Personnel

# of FTEs	*Annual Cost*	*Description*
		No change in the number of FTEs with this project.

Non-Personnel

Major	*Amount*	*Description*
		Factors that will be considered in the purchasing decision-making process will include system operating costs, including transaction fees, monthly communication and maintenance/software support fees, cost and frequency of battery replacements, etc. Estimates on potential changes in operating costs are not yet available.

Notes

Notes:

Submitted

Capital Budget Proposals

Section 1: Identifying Information

Agency

Parking Utility

Proposal Name

Vehicle Replacement

Project Category

Facility

Project Number

17600

Proposal Description

This program funds the replacement of Parking Utility vehicles. The goal of the program is to replace vehicles on a ten year cycle, recognizing savings on maintenance, repairs, and fuel. Progress will be measured by savings in these areas. Vehicles are replaced, on average, on a 10-Year cycle. Vehicles to be purchased in 2018 include the replacement of two high dump sweepers, the replacement of one utility vehicle and a spreader hopper.

Proposal Type

Program

Priority

4

Section 2: Program Budget

Prior Authorization

	Budget	*Actual*	*Difference*
2015	0	0	0
2016	0	0	0
2017	92,000	89,997	2,003
2018	130,000	0	130,000
Total	**222,000**	**89,997**	132,003

Budget by Year

Funding Source	*2019*	*2020*	*2021*	*2022*	*2023*	*2024*
Reserves Applied	193,000	133,000	146,000	45,500	70,000	50,000
Total	$193,000	$133,000	$146,000	$45,500	$70,000	$50,000

Expense Type	*2019*	*2020*	*2021*	*2022*	*2023*	*2024*
Machinery and Equipment	193,000	133,000	146,000	45,500	70,000	50,000
Total	$193,000	$133,000	$146,000	$45,500	$70,000	$50,000

Does this program have matching funds?

○ **Yes** ◉ **No**

Section 3: Minor Projects

2019

Planned Projects

Project	*Estimated Cost*	*Street Address*
2019 Vehicle Replacements	$175,000	

Service Level

What are the end products (asset or infrastructure type) provided by this program?

Asset Type	*Quantity*	*Description*
Machinery and Equipment	3	One mower and equipment attachments, one maintenance worker vehicle, and one utility vehicle
Machinery and Equipment	1	New sweeper to meet anticipated changes in OSHA regulations expected to take place in June.

2020

Planned Projects

Project	*Estimated Cost*	*Street Address*

Project	Estimated Cost	Street Address
2020 Vehicle Replacements	$81,000	

Service Level

What are the end products (asset or infrastructure type) provided by this program?

Asset Type	Quantity	Description
Machinery and Equipment		Replacement dump truck and other equipment to be determined.

2021

Planned Projects

Project	Estimated Cost	Street Address
2021 Vehicle Replacements	$146,000	

Service Level

What are the end products (asset or infrastructure type) provided by this program?

Asset Type	Quantity	Description
Machinery and Equipment		

2022

Planned Projects

Project	Estimated Cost	Street Address
2022 Vehicle Replacements	$45,500	

Service Level

What are the end products (asset or infrastructure type) provided by this program?

Asset Type	Quantity	Description
Machinery and Equipment		

2023

Planned Projects

Project	Estimated Cost	Street Address
2023 Vehicle Replacements	$70,000	

Service Level

What are the end products (asset or infrastructure type) provided by this program?

Asset Type	Quantity	Description
Machinery and Equipment		

2024

Planned Projects

Project	Estimated Cost	Street Address
2024 Vehicle Replacements	$50,000	

Service Level

What are the end products (asset or infrastructure type) provided by this program?

Asset Type	Quantity	Description
Machinery and Equipment		

Section 4: Program Justification

What is the program's desired outcome for the customer?

Replacement of vehicles on a 10 year life cycle.

How is the outcome currently being measured?

Replacement of vehicles on a 10 year life cycle; reduced maintenance/repair and fuel costs.