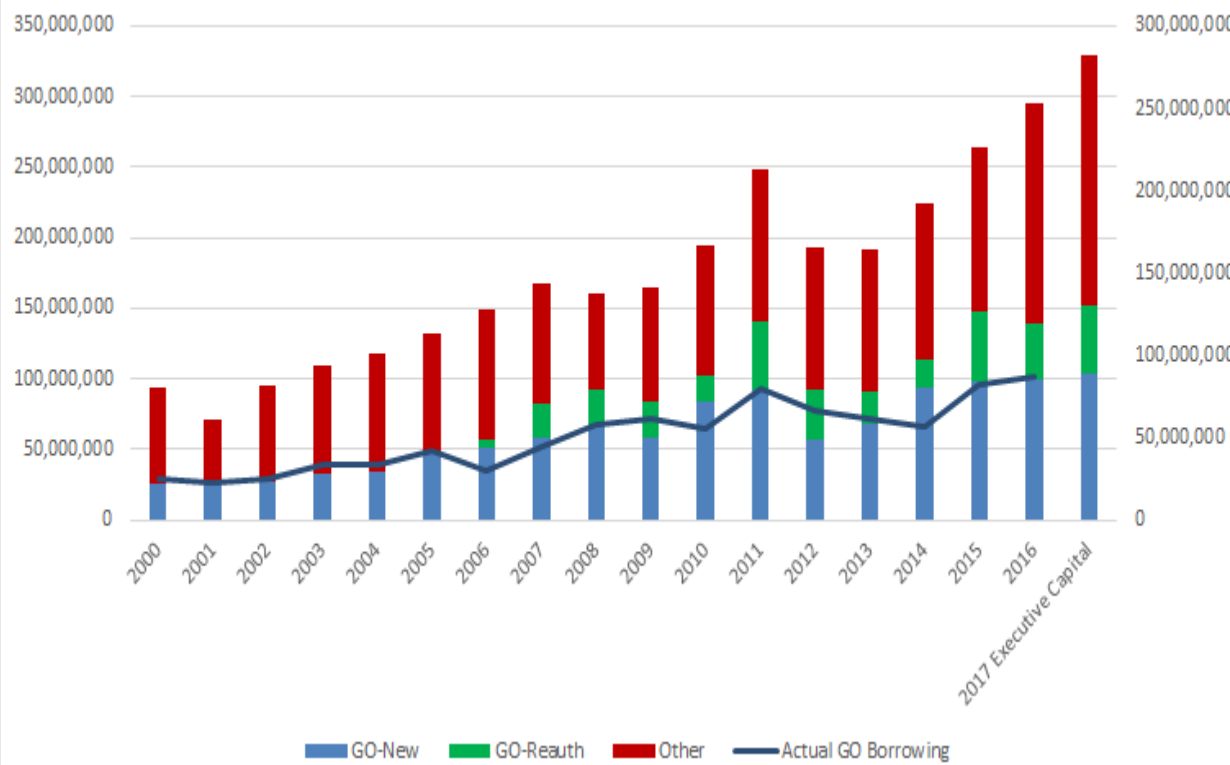
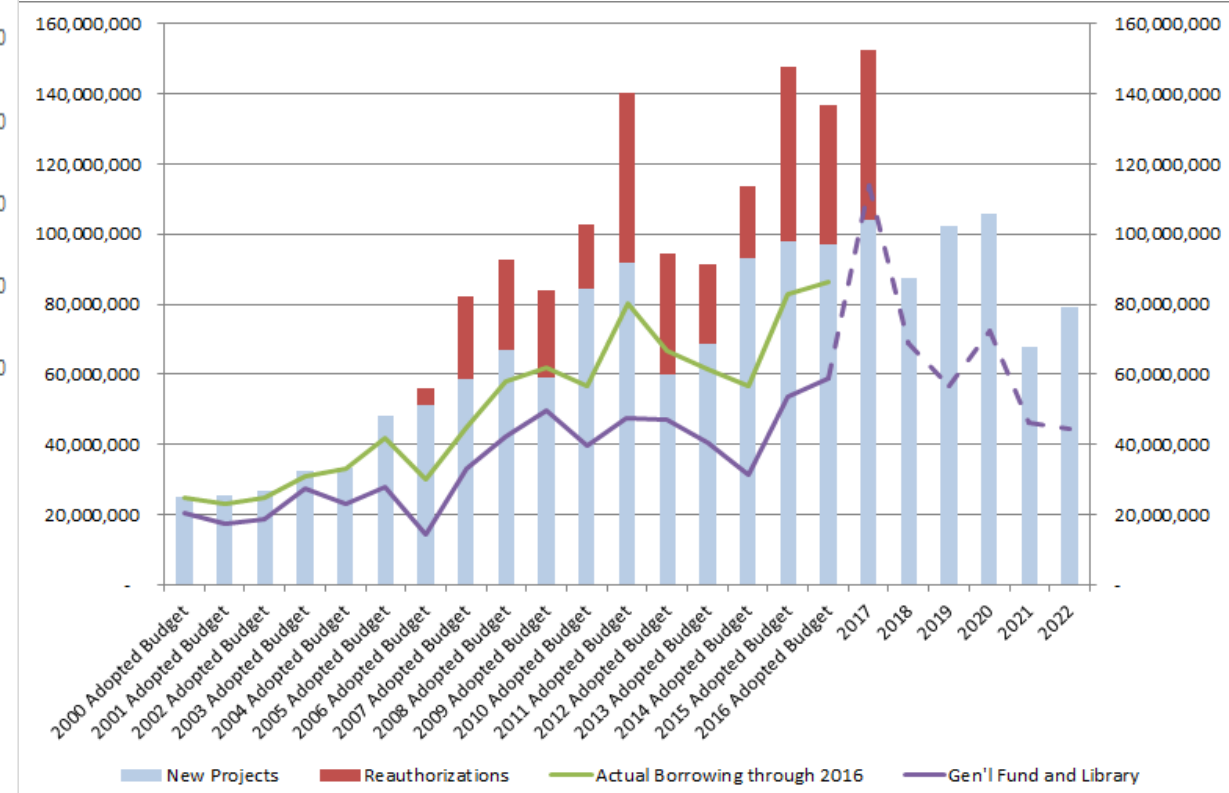


Budget Overview

Adopted Capital Budgets and the 2017 Executive Capital Budget

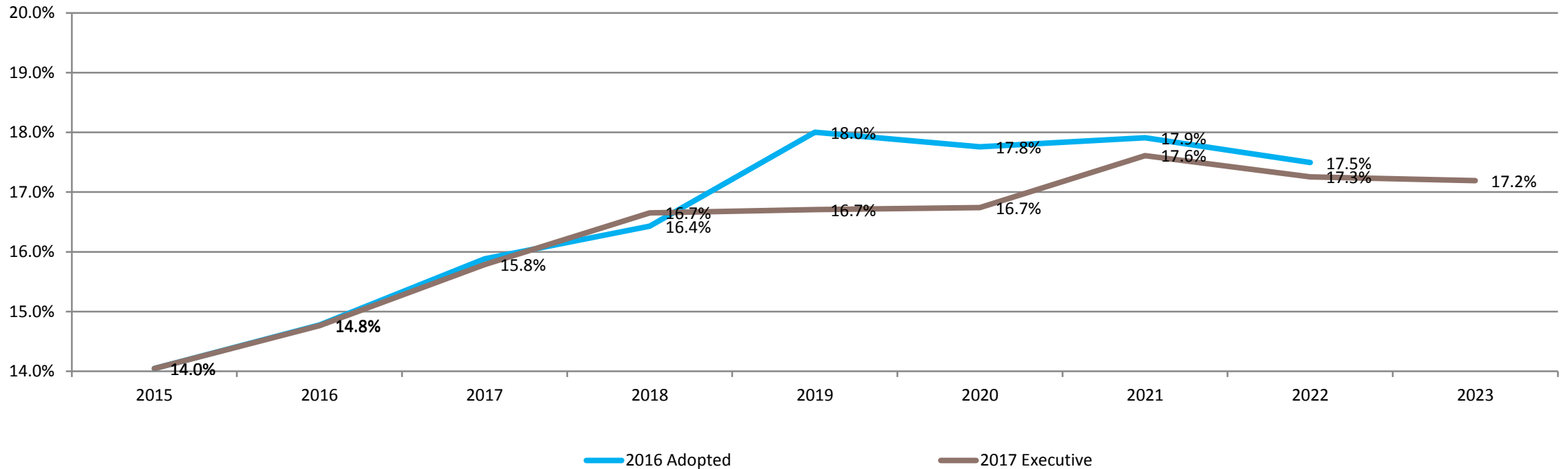


New Projects and Reauthorizations



Budget Overview

Debt Service Share of General Fund Expenditures



Presenting the Budget

- 2017 is a first step toward outcomes-based budgeting; emphasizing project goals & methods to measure goals
- Agency presentations will highlight:
 - The specific goal of the project/program
 - Project schedule/planned projects
- Using this format is intended to provide standardized context for items funded in the capital budget

Library

2017 CAPITAL BUDGET

GREG MICKELLS, DIRECTOR

BOARD OF ESTIMATES BUDGET PRESENTATION



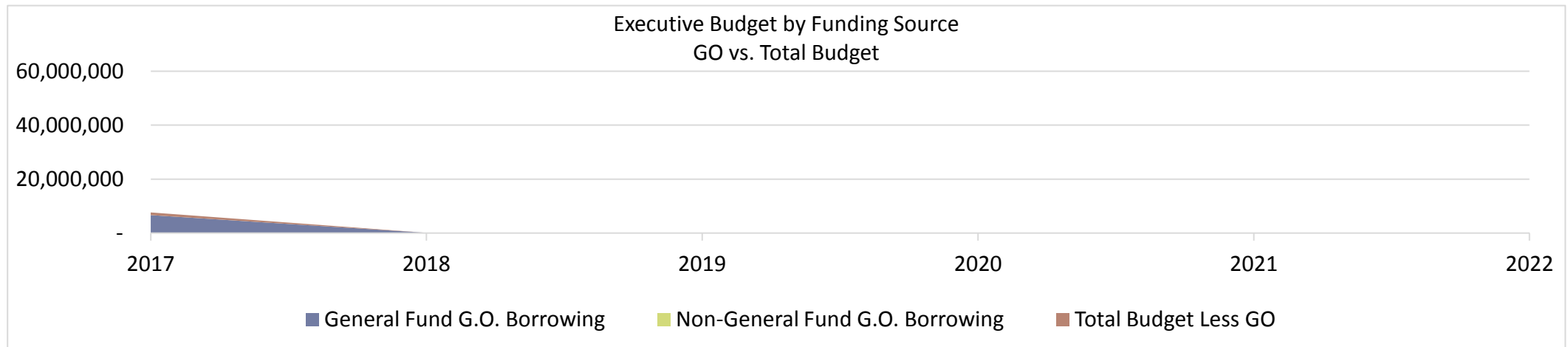
Budget Summary

Goal

- To improve Library service for the greater Eastside by completing the relocation of the Pinney Library, and to improve logistic support of our public libraries by completing the Library Maintenance and Support Center.

2017 Highlights

- Greatly increased programming opportunities at a new Pinney Library include concepts for a PlayLab, more community meeting space, and sustainable technologies such as geothermal heating and cooling.
- Customer service will be improved with the installation of RFID self check machines at nearly every library.
- Library Facility Maintenance will resume normal operation after 6 years of temporary space rental and limited capacity.



Library Major Repairs and Replacements

Background :

- As the Library converted the majority of its properties from leased to owned facilities, it became necessary to create a capital program to fund required capital repairs in areas such as HVAC, major equipment, plumbing, electrical, roofing, carpet, and other capital appropriate expenditures related to facilities.

Planned Projects:

- In 2017, other than any emergent issues, the Library plans major roof repairs to the Alicia Ashman Library (price to be determined, the Library is currently working with Engineering on repair/replacement options) and carpet replacement at the Goodman South Madison Library (approximately \$48,000).

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing		\$130,000	\$130,000	\$130,000	\$140,000	\$150,000	\$150,000
TOTAL		\$130,000	\$130,000	\$130,000	\$140,000	\$150,000	\$150,000

Library Maintenance Support Center

Background :

- When the Central Library was renovated in 2011-2013, almost all Maintenance and storage functions were removed. After a multi-year search for a suitable facility to house these functions an ideally situated building at 1301 W. Badger Road was purchased in 2015.

Schedule:

- Construction documents finalized in September 2016, out for bid this fall, construction from 1/17 to 8/17.

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing		\$1,025,000					
TOTAL		\$1,025,000					

Relocate Pinney Neighborhood Library

Background

- The current Pinney Library at 204 Cottage Grove Road is a leased facility which no longer meets the service needs of the greater Eastside. It has also become the most expensive neighborhood library to operate. In 2013 the Ruedebusch Development Corporation proposed inclusion of a relocated Pinney Library within its planned mixed use development in the 500 block of Cottage Grove Road. This proposal keeps the Library within its original service area, almost doubles the size of the facility to 20,000 square feet, and will relieve operating property costs (rent, taxes) through condominium ownership. The recent Eastside strategic plan hinges its recommendations upon the completion of this project.

Schedule

- Currently under negotiation. Library expects design and community engagement in the fall and early winter of 2016, with construction in 2017.

Budget:

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing		\$5,400,000					
Donations		\$1,000,000					
TOTAL		\$6,400,000					

RFID-Haw/Seq/Msb Libraries

Background

- To improve the patron experience through a more user-friendly check out platform, the Library is converting its self check-out equipment from EM (electromagnetic) to RFID (radio frequency identification) technology. This project will purchase the necessary equipment to complete that conversion.

Schedule

- In tandem with the 2016 RFID project, all five libraries designated to receive this equipment (Lakeview, Alicia Ashman, Hawthorne, Sequoya, and Monroe Street) will be completed by the end of 2017.

Budget:

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing		\$120,000					
TOTAL		\$120,000					

Central Library Improvements

Background :

- The renovated Central Library opened in September 2013 (120,000 square feet). Anticipated 10 year mechanical and equipment replacement would, due to the scale of the Central Library facility, exceed the funding capacity of the Major Repairs and Replacement program.

Schedule:

- Design during 2022, construction during 2023.

Budget: Project eliminated from CIP.

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing							
TOTAL							

Streets Division

2017 CAPITAL BUDGET

CHRIS KELLEY, STREETS SUPERINTENDENT

BOARD OF ESTIMATES BUDGET PRESENTATION



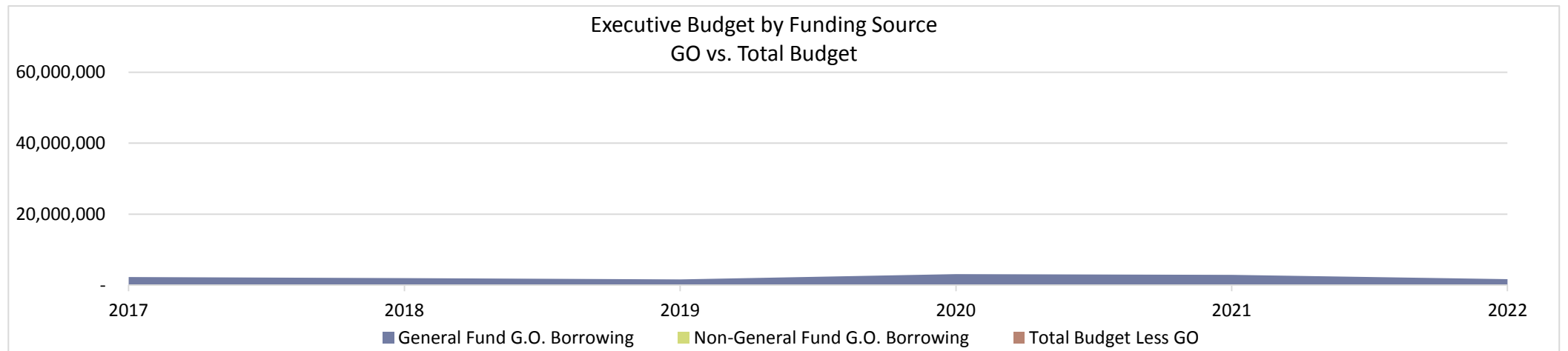
Budget Summary

Goals:

- To provide a clean, safe, healthy, and welcoming atmosphere for City of Madison’s residents, businesses and guests;
- To provide high quality, cost effective and essential public works systems, while also protecting the City’s wonderful and varied natural landscapes.

2017 Highlights:

- Hire 3 new operators to help with stump grubbing efforts to eradicate the Emerald Ash Borer.
- Purchase a wood chipper to help with processing brush received due to the Emerald Ash Borer.



Emerald Ash Borer

Background

- This is an ongoing program for the EAB mitigation process and the need for specific resources to implement the necessary services are evaluated annually.

Planned Projects

- Hire 3 operators for stump grubbing.
- Purchase a second wood chipper.

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing		1,727,500	1,435,700	1,085,700	1,085,700	1,085,700	1,085,700
TOTAL		1,727,500	1,435,700	1,085,700	1,085,700	1,085,700	1,085,700

Streets Equipment

Background

- This program is for adding additional equipment due to expansion of the city.

Planned Projects

- The program plans to purchase two pieces of equipment

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	97,092	410,000	167,000	245,000	1,000,000	1,280,000	563,000
TOTAL	97,092	410,000	167,000	245,000	1,000,000	1,280,000	563,000

Minor Building Improvements

Background

- This program provides for the replacement and upgrade of facility and grounds components at the Streets Division's four locations.

Planned Projects

- Overhead Doors
- Security Cameras
- Cold Storage

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	244,375	109,000	151,000	193,000	310,000	120,000	
TOTAL	244,375	109,000	151,000	193,000	310,000	120,000	

Street Yard Improvements

Background

- This program maintains and improves the Street Division's three drop-off sites.
- The improvements made to these locations allow for the services provided by the Streets Division to continue effectively.

Planned Projects

- There are no projects planned for 2017.

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing			188,600	54,900	675,000	375,000	
TOTAL			188,600	54,900	675,000	375,000	

Fleet Service

2017 CAPITAL BUDGET

BILL VANDENBROOK, FLEET SERVICE SUPERINTENDENT

BOARD OF ESTIMATES BUDGET PRESENTATION



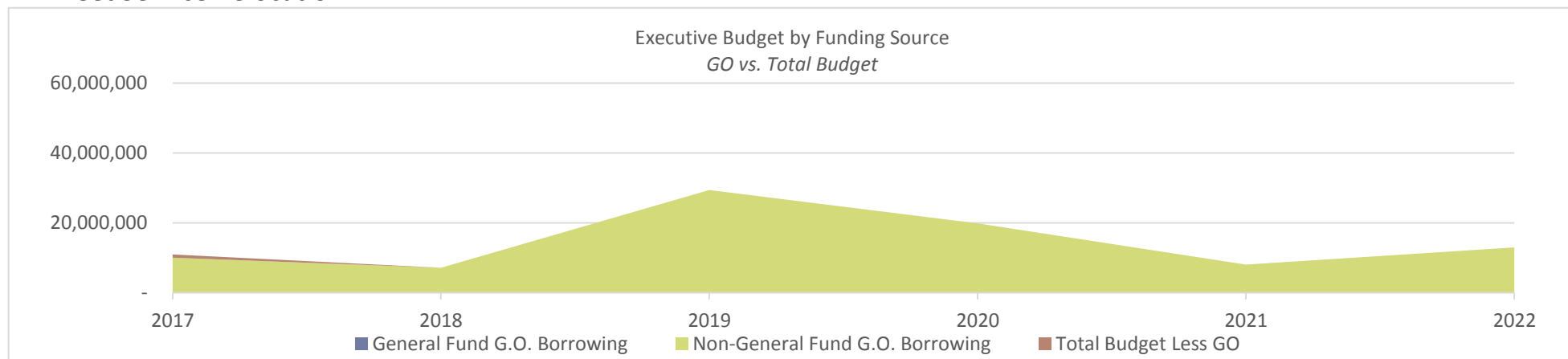
Budget Summary

Goal

- Maintain the ability to provide safe and reliable vehicles and equipment to support the critical missions of various city agencies.
- Fleet Service provides support to ensure that frontline agencies have the necessary equipment resources to meet the various needs of the community.

2017 Highlights

- Building / Grounds Maintenance, Completion of Fuel System upgrade
- Replacement of Fire apparatus / Rescue Vehicles
- Fleet Vehicle and Equipment Replacements
- Fleet Service Relocation



Fire Apparatus / Rescue Vehicles

Background

- Maintain replacement schedule according to Fleet and Fire Department replacement policies.
- Provide updated equipment that consistently meets National Fire Protection Association standards.
- Continue to maintain daily minimum availability of vehicles to meet Fire Department needs.

Planned Projects

- Replacement plans for two pieces of Fire Apparatus and three Rescue units

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing		\$2,467,000	\$1,151,300	\$2,701,000	\$2,200,000	\$2,965,030	\$6,450,000
TOTAL		\$2,467,000	\$1,151,300	\$2,701,000	\$2,200,000	\$2,965,030	\$6,450,000

Fleet Equipment Replacement

Background

- Continue to provide safe reliable equipment for critical missions of City agencies.
- Ensure that agencies have necessary equipment resources to meet Community needs.
- Control maintenance costs, maintain productivity and asset availability for City Agencies.

Planned Projects

- Planned replacement of approximately 65 assets.

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing		\$6,828,000	\$6,000,000	\$5,925,000	\$8,900,000	\$5,100,000	\$6,500,000
TOTAL		\$6,828,000	\$6,000,000	\$5,925,000	\$8,900,000	\$5,100,000	\$6,500,000

Building / Grounds Maintenance

Background

- Perform ongoing maintenance of buildings, grounds, and automated fueling systems.

Planned Projects

- Install hardware for automated fueling system to complete upgrade started in 2016
- Maintain safe and effective operation condition of existing buildings and grounds.

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing		\$100,000		\$75,000			\$25,000
TOTAL		\$100,000		\$75,000			\$25,000

Fleet Service Relocation

Background

- Provide safe and efficient facilities to perform maintenance functions on Fire Apparatus and Fleet equipment
- Increase productivity by combination of three separate facilities into a single location.
- Reduce out of service time for vehicles and equipment in need of both maintenance and radio repair/installation.

Schedule

- Finalization of building design in 2017 with construction beginning in 2019 and completion in 2020

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	\$50,000	\$1,572,468		\$20,413,421	\$8,748,609		
TOTAL	\$50,000	\$1,572,468		\$20,413,421	\$8,748,609		

GPS/AVL

Background

- Utilize Automatic Vehicle Location (AVL) and Global Positioning Systems (GPS) for operational efficiencies.
- Optimize routes for refuse collection, snow plowing, and logistical operations.

Schedule

- Calendar year of 2019

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing				\$275,000			
TOTAL				\$275,000			

Water Utility

2017 CAPITAL BUDGET

TOM HEIKKINEN, WATER UTILITY GENERAL MANAGER

BOARD OF ESTIMATES BUDGET PRESENTATION



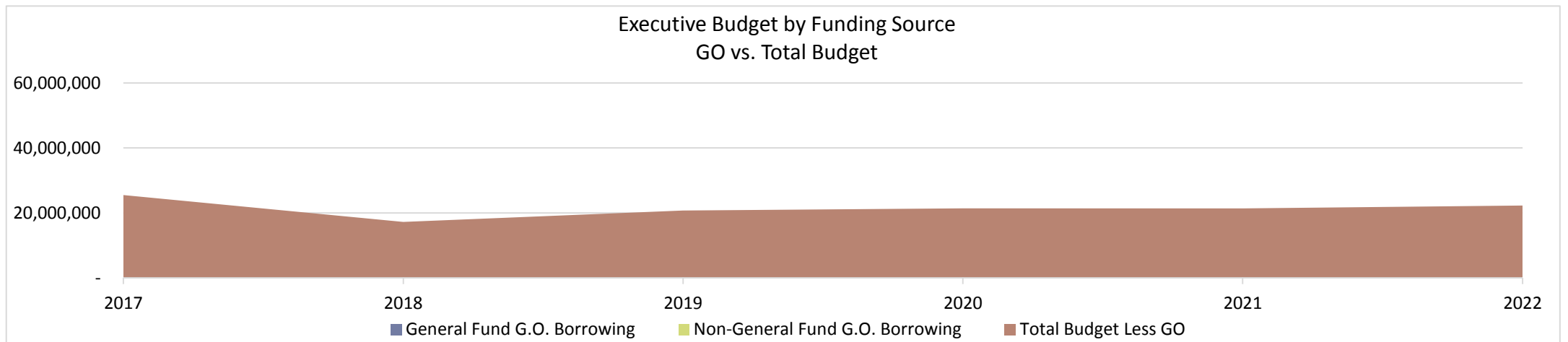
Budget Summary - Water

Goal

- Provide Safe Drinking Water and Fire Protection Capacity to all Customers
- Infrastructure Renewal to sustain the Utility's established level of service
- Support City growth and development

2017 Highlights

- Continue to replace and reline buried piping infrastructure
- Completion of the reconstruction of the Utility's Operations Center
- Construction of New Well 31 on the SE side
- Construction of the Blackhawk Reservoir on the far west side



Booster Pump Station 109 (Spaanem Ave)

Background

- The BPS 109 project will support water transfer from the SE to the East Side.
- BPS 109 will make effective use of existing facilities by moving water from an area of surplus to an area of need.

Schedule

- 2017: Project development and design will commence in the fall of 2017 and will utilize the existing Well 9 site.
- 2018: Construction is scheduled to start in the summer of 2018 and be completed by early 2019.
- 2019: Water Main construction to improve system hydraulics around the booster pumping station will be completed in 2019.

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Revenue Bonds		81,000	1,725,960	617,000			
TOTAL		81,000	1,725,960	617,000			

Booster Pump Station 106 Reconstruction

Background

- BPS 106 was reconstructed in 2013/2014 to provide long term operational flexibility
- Increased pumping capacity resulting from the BPS 106 reconstruction requires system piping upgrades to improve hydraulic capacity

Schedule

- Pipeline projects associated with BPS 106 are coordinated with other street and utility work in the area.
- The reauthorization for 2017 is due to 2016 project schedule adjustments. Design and construction will both occur in 2017.
- Design and construction of proposed pipelines in the Sunset Village area will continue in 2019.

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Revenue Bonds	880,000			818,000			
TOTAL	880,000			818,000			

Booster Pump Station 129 Reconstruction

Background

- Booster Pumping Station 129 will transfer water from Zone 6 East to Zone 3 on the far east side.
- This project will support growth and development of the area east of I-90.
- The project will move surplus water from Zone 6E and defer the need for additional wells on the far east side.

Schedule

- Project Development and Design: 2019
- Construction: 2020 – Fully operational by 2021
- Pipeline improvements associated with the project constructed in 2020 and 2021

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Revenue Bonds				131,000	2,484,840	574,000	
TOTAL				131,000	2,484,840	574,000	

Far West Elevated Reservoir

Background

- To support growth and development on the far west side additional water storage is required.
- This project will add 1,000,000 gallons of elevated water storage to the system.
- This project was initially planned in 1998 with the initiation of the Blackhawk development.

Schedule

- Design: Contract documents suitable for bidding completed in 2016 with Project Bid in the fall
- Construction: Start in spring of 2017 with completion by mid 2018

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Revenue Bonds	194,000	4,011,000				1,309,000	
TOTAL	194,000	4,011,000				1,309,000	

Lakeview Reservoir Reconstruction

Background

- This project replaces an undersized reservoir constructed in 1938.
- The project also adds needed storage capacity to the north side in Zone 6E and Zone 5.
- The project has multiple phases to expand Zone 5, upgrade an existing pumping station, and improve pipeline hydraulic capacity.

Schedule

- Design: Tank design was completed in 2014. Pipeline design is ongoing. Pump station design will occur in 2019.
- Construction: Tank construction will be complete in 2016. Pipeline construction will occur in 2017 and 2020. Pumping station work will be in 2020.

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Revenue Bonds	1,121,000	858,000		60,000	1,759,800		
TOTAL	1,121,000	858,000		60,000	1,759,800		

Paterson Street Remodel

Background

- Madison Water maintains a central maintenance facility on Paterson to support all operations of the Utility.
- The facility was outdated, cramped, heating and ventilation systems were not adequate and it did not serve the needs of the Utility.
- The project is a multi-phase effort that will significantly upgrade the maintenance facility and field crew support.

Schedule

- Design: Operations Center: 2014/2015. Vehicle Storage Building 2016
- Construction: Operations Center 2015/2016; Vehicle Storage Building: 2017
- Move in: Operations Center: November 2016 – Vehicle Storage Building: 2018

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Revenue Bonds		4,325,000					
TOTAL		4,325,000					

Pump Station Improvements

Background

- Pump Station Improvements includes projects that upgrade and improve Utility facilities over the course of several years
- These projects renew wells, pump stations, and reservoirs to keep them in good operating condition

Planned Project Highlights

- SCADA, Video, and Flow Meter upgrades to sustain system control, security, and operations.
- Meter and AMI Program maintenance.
- Well rehabilitation and pump replacement and maintenance.
- Other facility upgrade projects as they are defined by condition assessment and need.

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Revenue Bonds	148,000	877,000	1,000,300	1,070,600	1,196,900	1,010,200	1,061,600
TOTAL	148,000	877,000	1,000,300	1,070,600	1,196,900	1,010,200	1,061,600

Well 12 Conversion to a Two Zone Well

Background

- Maximizing the use of existing facilities is critical to system operation.
- Well 12 is in need of upgrade and its location provides an opportunity to serve both Zone 7 and Zone 8.

Schedule

- Design and Permitting: Design and permitting will be completed in 2016/2017.
- Construction: Project construction is scheduled to start in 2018 with completion in 2019.
- Operational: Project is scheduled to be fully operational in 2019.

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Revenue Bonds	719,000	102,000	2,373,280	1,017,120			
TOTAL	719,000	102,000	2,373,280	1,017,120			

Unit Well 8 Reconstruction

Background

- Well 8 has served the east side since 1945 and provides water to the east isthmus area.
- The well has elevated levels of Iron and Manganese that require filtration.
- Well 8 was identified by the East Side Water Supply Project as a necessary point of drinking water supply to the east side.
- The contamination at the Kipp Corporation site has delayed the project

Schedule

- Groundwater study to evaluate Kipp impact on the well: 2017
- Monitoring well construction 2018
- Facility Design and Construction: 2024-2026

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Revenue Bonds	25,000	50,000	110,000				
TOTAL	25,000	50,000	110,000				

Voc Air Stripper at Unit Well 18

Background

- Well 18 has some low level VOC contamination that is being monitored.
- If the concentrations increase or the regulations change, VOC treatment will be required.

Schedule

- Water Quality Monitoring: 2017 to 2021
- Design (If necessary): 2022
- Construction: 2023/2024 – On line and fully operational 2024

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Revenue Bonds						5,000	255,000
TOTAL						5,000	255,000

Water Mains - New

Background

- The Water Utility has a need to construct new water mains to serve undeveloped areas.
- These projects are coordinated with City Engineering and City Planning to support development.
- New water main projects are also implemented to improve hydraulics and water distribution

Planned Projects

- Projects are identified by City Planning to support planned developments.
- Projects may also be developed as a part of Wisconsin DOT projects.

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Revenue Bonds	200,000	1,000,000	1,100,000	1,924,000	2,067,000	2,222,000	2,391,000
TOTAL	200,000	1,000,000	1,100,000	1,924,000	2,067,000	2,222,000	2,391,000

Water Main Replacement or Rehab

Background

- Madison Water has over 860 miles of water main going back to 1882.
- The Utility has a long term goal to renew the piping system to ensure it is there for future generations.
- Main replacement projects are developed with City Engineering as a part of the street project program.

Planned Projects

- It is anticipated that approximately 25 to 30 different pipeline projects will be developed for 2017.
- Design of these projects is completed by Utility staff engineers and constructed as a part of the Public Works construction program.

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Revenue Bonds		8,500,000	10,000,000	10,730,000	11,522,000	12,129,000	12,776,000
TOTAL		8,500,000	10,000,000	10,730,000	11,522,000	12,129,000	12,776,000

Water Utility Facility Improvements

Background

- Wisconsin DNR drinking water regulations will often require improvements to facilities.
- Operational improvements are also identified through condition assessment and operator feedback.
- Some projects result from opportunities that arise during any budget year.

Planned Projects

- Chemical Feed Rooms: DNR regulations require separate chemical feed and storage rooms – 3 wells require upgrade
- Pressure Reducing Stations: It is operational efficient to move water from zone to zone through PRV stations.
- Miscellaneous Projects: On occasion small projects are identified during a budget year as a part of other work.

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Revenue Bonds	200,000	168,000	235,000	1,120,000	660,000	617,000	1,341,000
TOTAL	200,000	168,000	235,000	1,120,000	660,000	617,000	1,341,000

Unit Well 19 Iron/Manganese Filter

Background

- Elevated levels of iron and manganese in Well 19 result in colored water events in the system.
- Madison Water Utility water quality goals strive to minimize the impact of iron and manganese in the system using filtration.
- Several iron and manganese filtration facilities are planned over the next decade to improve water quality.

Schedule

- Project development: 2017/2018
- Project Design: 2018
- Construction: 2018/2019

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Revenue Bonds	115,000		678,800	2,974,400			
TOTAL	115,000		678,800	2,974,400,			

Unit Well 28 Iron/Manganese Filter

Background

- Elevated levels of iron and manganese in Well 28 result in colored water events in the system.
- Madison Water Utility water quality goals strive to minimize the impact of iron and manganese in the system using filtration.
- This is one of several iron and manganese filtration facilities are planned over the next decade to improve water quality.

Schedule

- Project development: 2020
- Project Design: 2021
- Construction: 2021/2022

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Revenue Bonds					107,660	2,632,320	1,107,660
TOTAL					107,660	2,632,320	1,107,660

Unit Well 30 Iron/Manganese Filter

Background

- Elevated levels of iron and manganese in Well 30 result in colored water events in the system.
- Madison Water Utility water quality goals strive to minimize the impact of iron and manganese in the system using filtration.
- Several iron and manganese filtration facilities are planned over the next decade to improve water quality.

Schedule

- Project development: 2021
- Project Design: 2021/2022
- Construction: 2022/2023

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Revenue Bonds						330,000	2,200,000
TOTAL						330,000	2,200,000

Unit Well 7 Area Hydraulic Improvements

Background

- Well 7 was totally rebuilt in 2014/2015 to upgrade and expand the facility and provide filtration for iron and manganese.
- The upgraded facility provided improved capacity and operational flexibility.
- With improved capacity and water quality, hydraulic improvements are required to efficiently move water into the system from Well 7.
- Budgeting constraints pushed the water main work to the year 2020.

Schedule

- Well Filtration and Reservoir Construction Complete and on line: 2015
- Water Main Construction: 2020

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Revenue Bonds					842,000		
TOTAL					842,000		

Zone 4 Fire Flow Supply Augmentation

Background

- This project is the construction of new Well 31 to provide supply and fire protection to the SE corner of the City.
- Development of the project started in 2008 with an evaluation of several options and well sites.
- A well was drilled, developed, and tested in 2013
- A 1.5 million gallon reservoir was constructed on the site in 2015

Schedule

- Design: Well and filter facility 2016
- Construction: Well and Filtration 2017/2018
- System Hydraulic Improvements: 2019 and 2020

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Revenue Bonds		5,512,500		271,000	697,000		
TOTAL		5,512,500		271,000	697,000		

Zone 7 & 8 Supply : Whitney Way

Background

- Utility 2006 Water Master Plan identified a need for additional water supply on the west side.
- A well site on Whitney Way has been identified as capable of feeding both Zone 7 and Zone 8

Schedule

- Project Development: Well Siting, Testing, and Drilling: 2020-2022
- Well House/Filter Design: 2023
- Construction: 2024/2025

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Revenue Bonds					65,000	555,000	1,134,000
TOTAL					65,000	555,000	1,134,000

Metro Transit

2017 CAPITAL BUDGET

CHUCK KAMP, TRANSIT GENERAL MANAGER

BOARD OF ESTIMATES BUDGET PRESENTATION



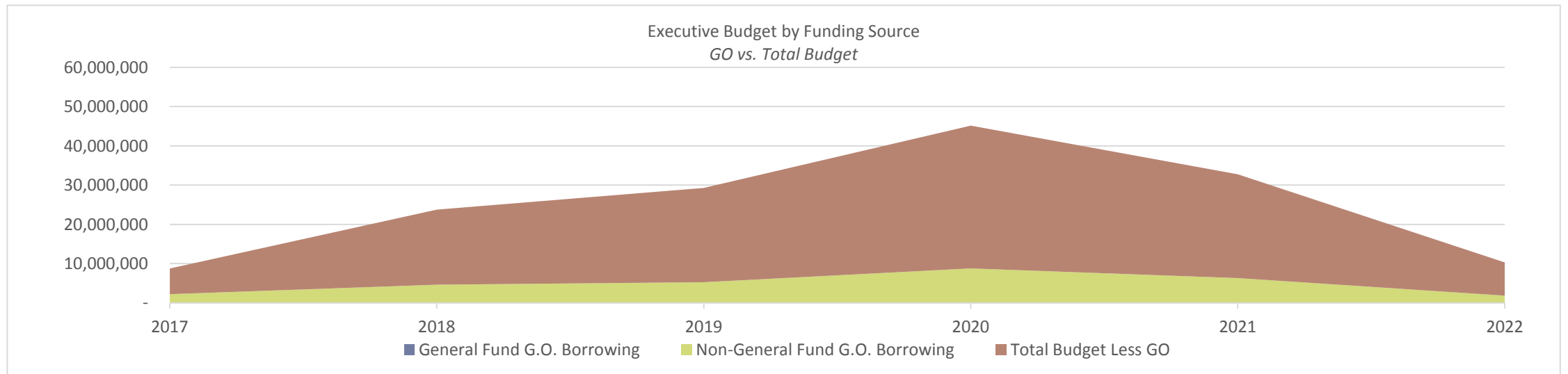
Budget Summary

Goal

- Maintain and improve Metro's bus fleet, facilities & equipment

2017 Highlights

- Continue bus replacement program
- Plan, develop and obtain funding for a satellite facility and Bus Rapid Transit
- Maintain and improve the existing bus storage and maintenance facility



Transit Coaches

Background

- Maintain an updated fleet of transit vehicles

Planned Projects

- Purchase 15 new fixed route vehicles each year and 17 new paratransit vehicles in 2018 and 2019

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Federal sources	-	4,804,013	6,574,488	6,613,734	6,812,146	7,016,510	7,227,006
Non-GF GO Borrowing	181,000	1,816,003	1,643,622	1,653,433	1,446,772	1,490,175	1,534,880
TOTAL	181,000	6,620,016	8,218,110	8,267,167	8,258,918	8,506,686	8,761,886

Facilities Repairs and Improvement

Background

- Maintain and improve Metro's existing bus storage and maintenance facility

Planned Projects

- 2017 Replace the entire roof which is 36 years old

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Federal sources	-	1,072,000	1,232,000	32,000	5,712,000	496,000	832,000
Non-GF GO Borrowing	66,000	268,000	308,000	8,000	1,428,000	124,000	208,000
TOTAL	66,000	1,340,000	1,540,000	40,000	7,140,000	620,000	1,040,000

Transit Systems Upgrades

Background

- Improve Metro's efficiency and service by enhancing equipment and software

Planned Projects

- 2017 Upgrade radio equipment to digital

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Federal Sources	-	663,920	3,716,000	176,000	256,800	536,800	400,000
Non-GF GO Borrowing	-	129,980	780,000	-	-	100,000	100,000
TOTAL	-	793,900	4,496,000	176,000	256,800	636,800	500,000

Bus Rapid Transit (BRT)

Background

- Increase the capacity of Metro's system and decrease ride time

Schedule

- 2017 Submit a federal Small Starts grant proposal
- 2019-2021 Plan and construct the first phase of BRT

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Federal Sources	-	-	-	3,200,000	18,400,000	18,400,000	-
Non-GF GO Borrowing	-	-	-	100,000	4,600,000	4,600,000	-
TOTAL	-	-	-	3,300,000	23,000,000	23,000,000	-

Satellite Facility

Background

- Construct a satellite facility at Nakoosa Trail to relieve overcrowding at Metro's current facility and to allow for system expansion, including BRT

Schedule

- 2017 Submit Federal TIGER grant proposal
- 2018-2020 Construction of facility

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Federal sources	-	-	7,600,000	14,000,000	5,200,000	-	-
Non-GF GO Borrowing	-	-	1,900,000	3,500,000	1,300,000	-	-
TOTAL	-	-	9,500,000	17,500,000	6,500,000	-	-

Parks Division

2017 CAPITAL BUDGET

ERIC KNEPP, PARK SUPERINTENDENT

BOARD OF ESTIMATES BUDGET PRESENTATION



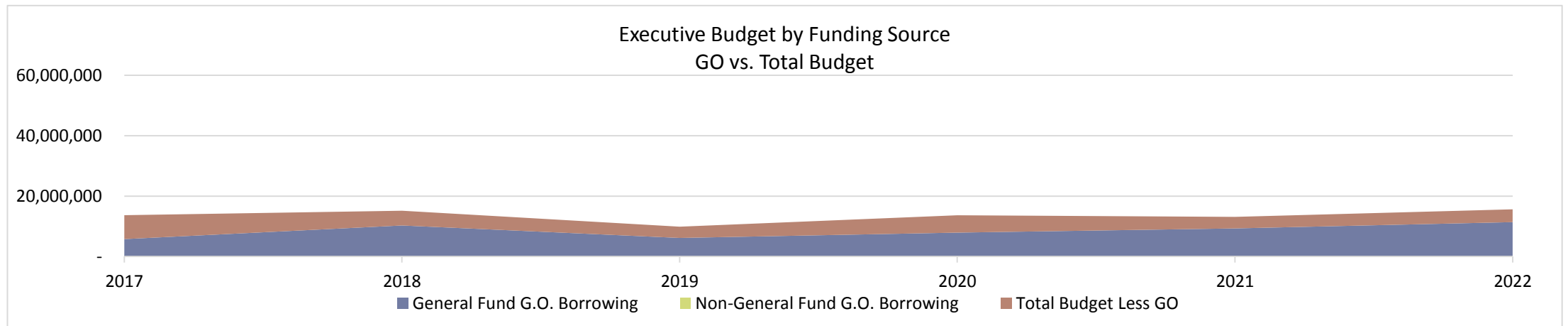
Budget Summary

Goals

- To provide the ideal system of parks, natural resources and recreational opportunities which will enhance the quality of life for everyone.
- Improve connectivity to ensure equitable access to a quality park system and invest in our natural environment.

2017 Highlights

- Construction of Phase 1 renovations at Olbrich Botanical Complex to expand educational offerings.
- Continuation of Emerald Ash Borer mitigation in accordance with adopted Task Force recommendations.
- Continuation of Playground and Accessibility improvements to create a sustainable park playground system (15 playgrounds in 2017).
- Reconstruction of the Olin Boat Launch, including dredging, to address significant deterioration of this important lake access point.



Beach and Shoreline Improvements

Background

- Program provides funding for the improvement of beaches, shorelines, and access to the water.
- Goal is to provide boat launches that are safe / do not damage boats, shorelines that are not eroding, and piers that are safe and accessible.

Planned Projects

- Olin Park boat launch dredging and reconstruction
- Wingra Park shoreline improvements
- General boat launch improvements

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	540,000	630,000	170,000	495,000	510,000	200,000	135,000
Impact Fees	-	50,000	25,000	255,000	200,000	25,000	90,000
Private Contributions/Donations	-	3,000	-	-	-	-	-
TOTAL	\$540,000	\$683,000	\$195,000	\$750,000	\$710,000	\$225,000	\$225,000

Conservation Park Improvements

Background

- Program provides funding for environmental enhancements to the City's diverse native ecosystems.
- Goal is to create natural landscapes and open spaces that are well-maintained and accessible to park visitors.

Planned Projects

- Continued oak savanna restoration in Owen Conservation Park and Cherokee Marsh
- Continue prairie restoration in Cherokee Marsh
- General land management improvements, including invasive species control, and trail improvements

Budget	Reauth	2017	2018	2019	2020	2021	2022
Federal Sources	15,000	9,000	5,000	10,000	10,000	10,000	10,000
GF GO Borrowing	80,000	161,000	160,000	150,000	145,000	440,000	145,000
Impact Fees	-	45,000	110,000	-	-	185,000	50,000
Private Contributions/Donations	-	-	-	20,000	15,000	15,000	15,000
Transfer from Other Restricted	-	5,000	5,000	5,000	5,000	5,000	5,000
TOTAL	\$95,000	\$220,000	\$280,000	\$185,000	\$175,000	\$655,000	\$225,000

Disc Golf Improvements

Background

- Program provides funding for improvements to the disc golf courses.
- Goal is to meet current standards for safety and playability and continue to grow the program.
- Funding in 2018 is for the construction of a new disc golf course.
- Other funding is from disc golf permit revenues.

Planned Projects

- Address erosion issues and improve turf, paths, tee boxes and registration kiosks for the courses

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Transfer from Other Restricted	35,000	35,000	250,000	35,000	35,000	35,000	35,000
TOTAL	\$ 35,000	\$35,000	\$250,000	\$35,000	\$35,000	\$35,000	\$35,000

Dog Park Improvements

Background

- Program provides funding for improvements to dog park facilities, which include 25 on-leash areas and 8 off-leash dog parks.
- Goal is to provide safe and maintainable facilities to meet the needs of the city's growing dog owner population.
- Other funding is from dog permit revenues.

Planned Projects

- Improvements to existing dog parks including fencing, entrances and paths
- Potential new off leash dog park, location TBD

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	-	40,000	-	75,000	-	65,000	100,000
Impact Fees	-	-	-	150,000	-	-	-
Transfer from Other Restricted	-	90,000	65,000	100,000	100,000	100,000	75,000
TOTAL	\$ -	\$130,000	\$65,000	\$325,000	\$100,000	\$165,000	\$175,000

Emerald Ash Borer Mitigation

Background

- Program funds the City's Emerald Ash Borer mitigation efforts.
- Implements the recommendations of the EAB Task Force to proactively remove and replace ash trees throughout the city.
- Funding will be used for the timely removal and replacement of both street and park trees while ensuring other forestry services are not adversely impacted.

Planned Projects

- Remove and replace ash trees

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	-	1,000,000	1,125,000	1,175,000	1,250,000	1,250,000	1,300,000
TOTAL	\$ -	\$1,000,000	\$1,125,000	\$1,175,000	\$1,250,000	\$1,250,000	\$1,300,000

Park Equipment

Background

- Program provides funding for the purchase of new and replacement Parks equipment.
- Goal is to provide the required equipment to allow staff to adequately maintain a growing number of park and open spaces, athletic fields, ice rinks, and snow removal operations in a timely and responsive manner.

Planned Projects

- Replacement equipment and machinery

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	-	-	350,000	350,000	350,000	400,000	350,000
Trade In Allowance	-	50,000	50,000	50,000	50,000	50,000	50,000
Transfer from General Fund	-	350,000	-	-	-	-	-
TOTAL	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$450,000	\$400,000

Park Land Improvements

Background

- Program provides funding for improvements to Madison's community, neighborhood, and mini parks.
- Goal is to improve connectivity and provide safe, accessible, and equitable recreational amenities across the park system.

Planned Projects

- Basketball and tennis court improvements
- Ski trail improvements at Elver and Yahara Hills
- Fencing Improvements
- Athletic field lighting and other projects

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	185,055	993,000	1,880,000	1,262,000	3,603,750	3,138,000	3,235,000
Impact Fees	385,000	282,000	565,000	963,000	2,596,250	900,000	1,285,000
Private Contribution/Donation	20,000	15,000	15,000	-	130,000	230,000	330,000
TOTAL	\$590,055	\$1,290,000	\$2,460,000	\$2,225,000	\$6,330,000	\$4,268,000	\$4,850,000

Parks Facility Improvements

Background

- Program maintains and improves existing park buildings and facilities.
- Goal is to maintain facilities that meet the needs of park users as well as adequate facilities for staff to maintain the parks.

Planned Projects

- Gates of Heaven improvements
- Design development for Goodman Maintenance Facility
- Beach, boathouse, and shelter improvements
- Cherokee caretaker house replacement and other projects

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	168,303	669,000	677,000	817,000	347,000	1,637,000	3,643,750
Impact Fees	-	145,000	560,000	460,000	50,000	205,000	425,000
Private Contribution/Donation	-	50,000	1,000,000	-	-	-	210,000
Trade In Allowance	-	3,000	3,000	3,000	3,000	3,000	-
TOTAL	\$168,303	\$867,000	\$2,240,000	\$1,280,000	\$400,000	\$1,845,000	\$4,278,750

Playground/Accessibility Improvements

Background

- Program maintains and improves existing park playgrounds and performs accessibility improvements.
- Goal is to provide funding to replace and upgrade existing playgrounds to meet NPSI and ASTM standards.

Planned Projects

- Playground replacements
- Play area enhancements
- Playground equipment improvements
- Connecting Children to Nature initiatives

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Federal Sources	-	40,000	20,000	15,000	15,000	25,000	15,000
GF GO Borrowing	454,000	645,000	884,000	700,000	1,050,000	1,050,000	1,050,000
Impact Fees	272,000	520,000	506,000	500,000	500,000	500,000	680,000
Private Contribution/Donation	-	35,000	35,000	35,000	35,000	100,000	35,000
TOTAL	\$726,000	\$1,240,000	\$1,445,000	\$1,250,000	\$1,600,000	\$1,675,000	\$1,780,000

Street Tree Replacements

Background

- Program provides funding for the replacement of street trees within the city in conjunction with EAB efforts.
- Goal is to maintain and improve the urban forest tree canopy in the city by providing funding to replace street trees.

Planned Projects

- General replacement of street trees
- Replacement of street trees in TIDs

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	-	22,575	175,000	175,000	175,000	175,000	175,000
Reserves Applied	-	203,175	-	-	-	-	-
TIF Proceeds	35,000	21,000	20,000	20,000	20,000	25,000	25,000
Transfer From General Fund	-	164,000	-	-	-	-	-
TOTAL	\$35,000	\$410,750	\$195,000	\$195,000	\$195,000	\$200,000	\$200,000

Breese Stevens Improvements

Background

- Project Goal: Facilitate expanded use of Breese Stevens Field by increasing the capacity of the facility and providing additional amenities.
- Scope: Provide additional restroom and locker room facilities to increase the capacity of the facility and other needed repairs.

Schedule

- 2017: Design and construction
- 2020: Planning
- 2021: Design and construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	-	450,000	-	-	-	400,000	-
Impact Fees	-	200,000	-	-	-	-	-
Private Contribution/Donation	-	100,000	-	-	-	100,000	-
TOTAL	\$-	\$750,00	\$-	\$-	\$-	\$500,000	\$-

Forestry Hill Cemetery Improvements

Background

- Project Goal: Improved access and environmental management at Forestry Hill Cemetery.
- Scope: Replace the roadway and water system and improve stormwater management.

Schedule

- 2016: Design
- 2017: Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	-	460,000	-	-	-	-	-
TOTAL	\$-	\$460,000	\$-	\$-	\$-	\$-	\$-

Olbrich Botanical Complex

Background

- Project Goal: Improved facilities to provide more educational classes and programs and improved support facilities.
- Scope: Education wing, greenhouses, and potentially modifying the atrium to create a library and orientation space for visitors.

Schedule

- 2017: Design and construction
- 2018: Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	-	500,000	4,500,000	-	-	-	-
Private Contribution/Donation	-	4,500,000	-	-	-	-	-
TOTAL	\$-	\$5,000,000	\$4,500,000	\$-	\$-	\$-	\$-

Vilas Park Improvements

Background

- Project Goal: To create a sustainable park that will provide a variety of recreational amenities and protect and enhance natural resources.
- Scope: Lagoon dredging and reconstruction of pedestrian bridges (2017), shelter replacement (2020), and reconstruction of the roadway and path system (2022).

Schedule

- 2017-2018: Construction
- 2019: Design
- 2020: Construction
- 2021-2022: Design and Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	-	215,000	-	-	400,000	-	1,000,000
Impact Fees	-	800,000	-	-	900,000	-	300,000
Private Contribution/Donation	-	-	-	-	600,000	-	-
TOTAL	\$-	\$1,015,00	\$-	\$-	\$1,900,000	\$-	\$1,300,000

Brittingham Park Improvements

Background

- Project Goal: Provide a facility that meets current needs as well as flexibility to meet ongoing needs for the future.
- Scope: Shelter parking lot reconstruction, access improvements (2017), and beach house improvements (2021).

Schedule

- 2017: Construction
- 2020: Design
- 2021: Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	185,000	-	-	-	-	100,000	-
Impact Fees	275,000	-	-	-	-	400,000	-
Private Contribution/Donation	-	-	-	-	-	300,000	-
TOTAL	\$460,000	-	\$-	\$-	\$-	\$800,000	\$-

Central Park Improvements

Background

- Project Goal: Expand Central Park in accordance with the master plan and provide park amenities and other transportation improvements as identified in the plan.
- Scope: Improvements in accordance with the Central Park Master Plan.

Schedule

- 2017: Acquisition
- 2019: Demolition
- 2021: Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	-	-	-	100,000	-	200,000	-
Impact Fees	480,000	-	-	100,000	-	-	-
TOTAL	\$480,000	\$-	\$-	\$200,000	\$-	\$200,000	\$-

Garver at Olbrich Botanical Complex

Background

- Project Goal: Rehabilitation and adaptive reuse of the historic Garver Feed Mill located in Olbrich Park.
- Scope: Rehabilitation and adaptive reuse of Garver includes cold storage, archival and equipment storage for Olbrich Botanical Complex.

Schedule

- 2017: Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	1,955,000	-	-	-	-	-	-
TOTAL	\$1,955,000	\$-	\$-	\$-	\$-	\$-	\$-

Highland Manor Shelter

Background

- Project Goal: Additional enhancements to the storm shelter and other improvements to Highland Manor Park.
- Scope: Storm shelter and park improvements.

Schedule

- 2017: Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	117,000	-	-	-	-	-	-
TOTAL	\$117,000	\$-	\$-	\$-	\$-	\$-	\$-

James Madison Park Improvements

Background

- Project Goal: Improved utilization of the shelter and other park amenities.
- Scope: Park master planning and renovation and/or replacement of the shelter in 2018.

Schedule

- 2017: Planning and design
- 2018: Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	50,000	-	-	-	-	-	-
Impact Fees	-	-	500,000	-	-	-	-
Private Contribution/Donation	150,000	-	400,000	-	-	-	-
TOTAL	\$200,000	-	\$900,000	\$-	\$-	\$-	\$-

Park Ridge Neighborhood

Background

- Project Goal: Acquire and develop a small park in the Park Ridge neighborhood.
- Scope: Purchase of land and development of a neighborhood park.

Schedule

- 2016: Acquisition and planning
- 2017: Design and construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	150,000	-	-	-	-	-	-
TOTAL	\$150,000	\$-	\$-	\$-	\$-	\$-	\$-

Elver Park Improvements

Background

- Project Goal: Improve parking to support the ballfield complex.
- Scope: Repave parking lots and paths for the ballfield complex.

Schedule

- 2017: Design
- 2018: Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	-	-	350,000	-	-	-	-
Impact Fees	-	-	350,000	-	-	-	-
TOTAL	\$-	\$-	\$350,000	\$-	\$-	\$-	\$-

Hoyt Park Improvements

Background

- Project Goal: Improve stormwater management and reconstruct parking lot at Hoyt Park.
- Scope: Replace existing parking lot and add stormwater management features in 2020.

Schedule

- 2018: Planning
- 2019: Design
- 2020: Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	-	-	-	-	80,000	-	-
Impact Fees	-	-	-	-	60,000	-	-
Private Contribution/Donation	-	-	-	-	20,000	-	-
TOTAL	\$-	\$-	\$-	\$-	\$160,000	\$-	\$-

Odana Hills Clubhouse Improvements

Background

- Project Goal: Upgrade facility to provide an energy-efficient facility for multiple uses including winter operations and reservable meeting space for the community.
- Scope: Study and design for a new facility at Odana Hills.

Schedule

- 2020: Planning
- 2021: Design

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	-	-	-	-	-	200,000	-
TOTAL	\$-	\$-	\$-	\$-	\$-	\$200,000	\$-

Warner Park Community Rec Center

Background

- Project Goal: Provide space for additional programming, classes, and other community-building opportunities.
- Scope: Expansion of the Warner Park Community Recreation Center.

Schedule

- 2017: Planning
- 2018: Design
- 2019: Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	-	-	-	850,000	-	-	-
Impact Fees	-	-	-	150,000	-	-	-
Private Contribution/Donation	-	-	-	450,000	-	-	-
TOTAL	\$-	\$-	\$-	\$1,450,000	\$-	\$-	\$-

Yahara River Parkway Improvements

Background

- Project Goal: Improve access to the water and improve the historic landscape along the Yahara River Parkway.
- Scope: Improvements to the Yahara River Parkway in accordance with the master plan for the park when approved.

Schedule

- 2019: Planning
- 2020: Design
- 2021-2022: Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	-	-	-	-	-	50,000	250,000
Impact Fees	-	-	-	-	-	80,000	200,000
State Sources	-	-	-	-	-	50,000	-
Private Contribution/Donation	-	-	-	-	-	70,000	-
TOTAL	\$-	\$-	\$-	\$-	\$-	\$250,000	\$450,000

Engineering: Facilities

2017 CAPITAL BUDGET

ROB PHILLIPS, CITY ENGINEER

BOARD OF ESTIMATES BUDGET PRESENTATION



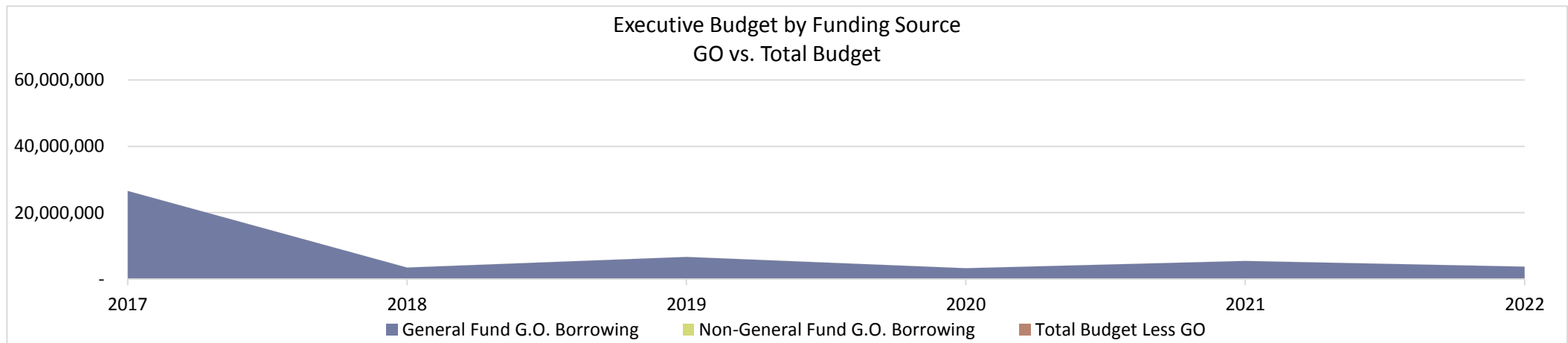
Budget Summary

Goal

- Provide high quality project management services to all agencies that are implementing a remodeling or new construction projects and to implement projects that lower energy use, conserve water, use renewable sources of energy, and provide a high quality work environment.

2017 Highlights

- Renovation of the Madison Municipal Building, continue the solar work – including buy-purchasing and hiring underemployed to install solar at city facilities, and assist properties to reduce energy use.



MMB Renovation

Background

- Renovation of MMB

Schedule

- 2017 Bid out and Construction, 2018 Construction, 2019 FFE and Move-In

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	\$1,805,000	\$23,000,000		\$1,300,000			
TOTAL	\$1,805,000	\$23,000,000		\$1,300,000			

CCB Improvements

Background

- Funding for Capital Improvements to CCB

Planned Projects:

- Concrete Replacement, Cooling Tower Replacement, Elevator Modernization

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	\$146,500	\$725,000	\$700,000	\$100,000	\$100,000	\$100,000	\$100,000
TOTAL	\$146,500	\$725,000	\$700,000	\$100,000	\$100,000	\$100,000	\$100,000

CCB Tenant Improvements

Background

- Renovations of City Attorney's Office and Vacated HR Suite

Schedule

- City Attorney's Suite in 2019 and HR Suite in 2021

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing				\$1,495,000		\$2,000,000	
TOTAL				\$1,495,000		\$2,000,000	

Energy Improvements

Background

- Funding to lower energy usage throughout city government.

Planned Projects

- HVAC Upgrades, Lighting Upgrades, Insulations, Software to Track Energy

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	\$80,000	\$230,000	\$240,000	\$250,000	\$260,000	\$270,000	\$280,000
TOTAL	\$80,000	\$250,000	\$260,000	\$270,000	\$280,000	\$290,000	\$300,000

Fire Building Improvements

Background

- Funds improvements to our Fire Stations

Planned Projects:

- Window Replacement, Bathroom Remodels, HVAC Replacements, Electrical Panel Upgrades

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	\$266,490	\$450,000	\$450,000	\$380,000	\$450,000	\$450,000	\$450,000
TOTAL	\$266,490	\$450,000	\$450,000	\$380,000	\$450,000	\$450,000	\$450,000

General Building Improvements

Background

- Address Unanticipated capital repairs that occur during the year.

Planned Projects:

- Unanticipated Capital Projects

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	\$271,000	\$250,000	\$260,000	\$270,000	\$280,000	\$290,000	\$300,000
TOTAL	\$271,000	\$250,000	\$260,000	\$270,000	\$280,000	\$290,000	\$300,000

Park Facility Improvements

Background

- Program is to maintain existing parks buildings

Planned Projects

- Walter Street Restroom Replacement and Improvements to Summit Maintenance Shop

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	\$107,003	\$700,000	\$800,000	\$1,050,000	\$700,000	\$700,000	\$700,000
TOTAL	\$107,003	\$700,000	\$800,000	\$1,050,000	\$700,000	\$700,000	\$700,000

Sayle Street Facility Remodel

Background

- Remodel Sayle Street

Schedule

- Phased Remodeling starting in 2020-2022

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing					\$520,000	\$225,000	\$640,000
TOTAL					\$520,000	\$225,000	\$640,000

Street Facility Improvements

Background

- Facilities Improvements to the Streets Facilities

Planned Projects

- On-Site EPA Required Storm Water Improvements at Streets East

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	\$1,343,027	\$440,000	\$250,000	\$605,000	\$190,000	\$650,000	\$500,000
TOTAL	\$1,343,027	\$440,000	\$250,000	\$605,000	\$190,000	\$650,000	\$500,000

Stormwater Utility

2017 CAPITAL BUDGET

ROB PHILLIPS, CITY ENGINEER

BOARD OF ESTIMATES BUDGET PRESENTATION



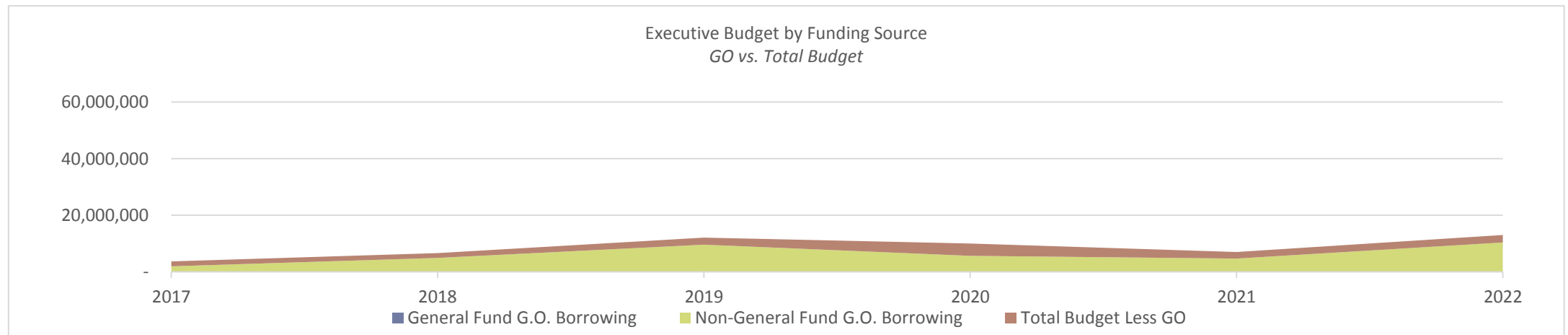
Budget Summary

Goal

- To safely and efficiently collect, convey, and treat storm water with minimal flooding through construction and maintenance of the storm water system.

2017 Highlights

- Maintenance of Infrastructure (Dredging, Wheeler Road Pond, BMPs, Inter-Municipal Agreement Work & TMDL Compliance)
- Storm sewer with streets projects



Dredging Projects

Background

- This program completes limited dredging (normally referred to as maintenance dredging) of retention ponds and other stormwater features. Work in this project includes the design, permitting, dredging and disposal of material.

Planned Projects

- Dunn's Marsh
- Monona Bay Harvester Unloading
- Sauk Junction Pond
- Strickers Pond
- High Point @ Old Sauk Pond

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Non-GF GO Borrowing	90,000	195,000	150,000	190,000	190,000	190,000	300,000
Reserves Applied	10,000	25,000	10,000	20,000	20,000	20,000	30,000
TOTAL	100,000	220,000	160,000	210,000	210,000	210,000	330,000

Greenway Improvements

Background

- This project rehabilitates and repairs drainage channels or greenways that are used to transport stormwater runoff. The project includes construction, restoration, landscaping and occasional land acquisition.

Planned Projects

- Regas Road at Milwaukee Street Greenway
- Spring Harbor at Masthead Greenway
- Restoration Landscaping

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Non-GF GO Borrowing	105,000	317,500	45,000	540,000	540,000	540,000	540,000
Reserves Applied	0	32,500	5,000	60,000	60,000	60,000	60,000
TOTAL	105,000	305,000	50,000	600,000	600,000	600,000	600,000

Inter-Municipal Stormwater Mgmt

Background

- This project funds cooperative projects with neighboring municipalities.

Planned Projects

- Middleton Confluence Pond Cost Sharing
- Manitou Road Diversion to Secret Pond

Budget

	Reauth	2017	2018	2019	2020	2021	2022
County Sources	0	0	0	0	0	0	0
Non-GF GO Borrowing	233,756	200,000	500,000	500,000	500,000	0	0
Reserves Applied	50,000	50,000	0	0	50,000	0	0
TOTAL	1,278,756	250,000	500,000	500,000	550,000	0	0

Shorelines

Background

- This project supports the Shoreline Improvement Program that makes large-scale improvements to the public shoreline of lakes, creeks, and rivers.

Planned Projects

- Monona Bay Minor Shoreline Repairs
- John Nolen Drive Shoreline Repairs
- Warner Park Breakwater Repair

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Non-GF GO Borrowing	1,140,000	160,000	250,000	200,000	200,000	200,000	200,000
Reserves Applied	60,000	25,000	25,000	25,000	25,000	25,000	25,000
TOTAL	1,200,000	185,000	275,000	225,000	225,000	225,000	225,000

Starkweather Creek Watershed

Background

- This project funds improvements to the Starkweather Creek drainage basin including ponds and channel restoration.

Planned Projects

- East Town Retention Basin

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Non-GF GO Borrowing	359,638	190,000	0	190,000	0	190,000	0
Reserves Applied	40,000	10,000	0	10,000	0	10,000	0
TOTAL	399,638	200,000	0	200,000	0	200,000	0

Storm Sewer with Streets Projects

Background

- This is a continuing program to provide mainline storm sewer improvements, replacements, and rehabilitation in conjunction with City streets being reconstructed and resurfaced. This project also consists of installing storm sewer to serve streets being converted from a rural to urban section.

Planned Projects

- City wide storm sewer

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Non-GF GO Borrowing	0	225,000	3,915,000	3,420,000	3,510,000	3,510,000	3,600,000
Reserves Applied	0	25,000	435,000	380,000	390,000	390,000	400,000
TOTAL	0	250,000	4,350,000	3,800,000	3,900,000	3,900,000	4,000,000

Stormwater Basins

Background

- This project funds repairs and constructs stormwater detention and retention basins.

Planned Projects

- Wheeler Road Pond

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Non-GF GO Borrowing	529,072	300,000	0	0	475,000	0	475,000
Reserves Applied	0	25,000	0	50,000	25,000	50,000	25,000
TOTAL	529,072	325,000	0	50,000	500,000	50,000	500,000

Street Cleaning Equipment

Background

- This program funds replacements of existing street sweeping machines. Street sweepers require a high level of maintenance and are recommended for replacement on a five year cycle.

Planned Projects

- Equipment replacement

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Reserves Applied	0	400,000	200,000	400,000	410,000	410,000	205,000
Trade In Allowance	0	40,000	20,000	40,000	45,000	45,000	22,000
TOTAL	0	440,000	220,000	440,000	455,000	455,000	227,000

TMDL Compliance

Background

- This program funds work specifically related to compliance with the WDNR/EPA Total Maximum Daily Load (TMDL) mandate for discharges to the Rock River Watershed.

Planned Projects

- Continuation of USGS Leaf Study
- Participation in MMSD led Adaptive Management
- Alum Treatment at Starkweather Creek-Voigt Property
- Willow Creek Treatment System

Budget

	Reauth	2017	2018	2019	2020	2021	2022
County Sources	875,000	0	0	500,000	0	0	0
Non-GF GO Borrowing	1,706,011	300,000	0	4,500,000	0	0	0
Reserves Applied	85,000	500,000	400,000	400,000	400,000	400,000	400,000
TOTAL	1,171,011	800,000	400,000	5,400,000	400,000	400,000	400,000

Lower Badger Mill Creek Watershed

Background

- This project provides for design, installation, and acquisition of lands to implement the regional storm water management plan for the Lower Badger Mill Creek Watershed, as required by the Urban Service Boundary Permit granted by CARPC.

Schedule

- 2020 construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Impact Fees	0	0	0	0	1,320,000	0	0
Non-GF GO Borrowing	0	0	0	0	180,000	0	0
Reserves Applied	0	0	0	0	1,000,000	0	0
TOTAL	0	0	0	0	2,500,000	0	0

Madison Beaches Water Quality Mgmt

Background

- This program continues the City's efforts to maintain clean beaches.

Schedule

- 2022 – Implementation of Vilas Park sand filter and UV treatment system.

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Reserves Applied	0	0	0	0	0	50,000	220,000
TOTAL	0	0	0	0	0	50,000	220,000

Upper Badger Mill Creek Watershed

Background

- This project is for survey, design, permitting, acquisition of lands, and construction of a regional storm water management system consisting of greenways and retention ponds. Future work includes construction of a pond between Mid Town Road and Raymond Road.

Schedule

- 2022 – construction of regional stormwater management system

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Impact Fees	0	0	0	0	0	0	400,000
Non-GF GO Borrowing	0	0	0	0	0	0	600,000
Reserves Applied	0	0	0	0	0	50,000	50,000
TOTAL	0	0	0	0	0	50,000	1,050,000

Willow Creek Storm Sewer

Background

- This is a continuing project to reduce storm water flooding on the University Avenue corridor from Highland Avenue to Shorewood Boulevard.

Schedule

- 2022 - construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Non-GF GO Borrowing	0	0	0	0	0	0	4,000,000
Reserves Applied	0	0	0	0	0	100,000	100,000
TOTAL	0	0	0	0	0	100,000	4,100,000

Wingra Creek Corridor

Background

- This project will provide funding for shoreline and embankment work in the Wingra Creek corridor to enhance stormwater conveyance and water quality, and to provide a more enhanced corridor for public usage.

Schedule

- 2022 – project implementation

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Non-GF GO Borrowing	0	0	0	0	0	0	600,000
Reserves Applied	0	0	0	0	0	100,000	100,000
TOTAL	0	0	0	0	0	100,000	700,000

Sewer Utility

2017 CAPITAL BUDGET

ROB PHILLIPS, CITY ENGINEER

BOARD OF ESTIMATES BUDGET PRESENTATION



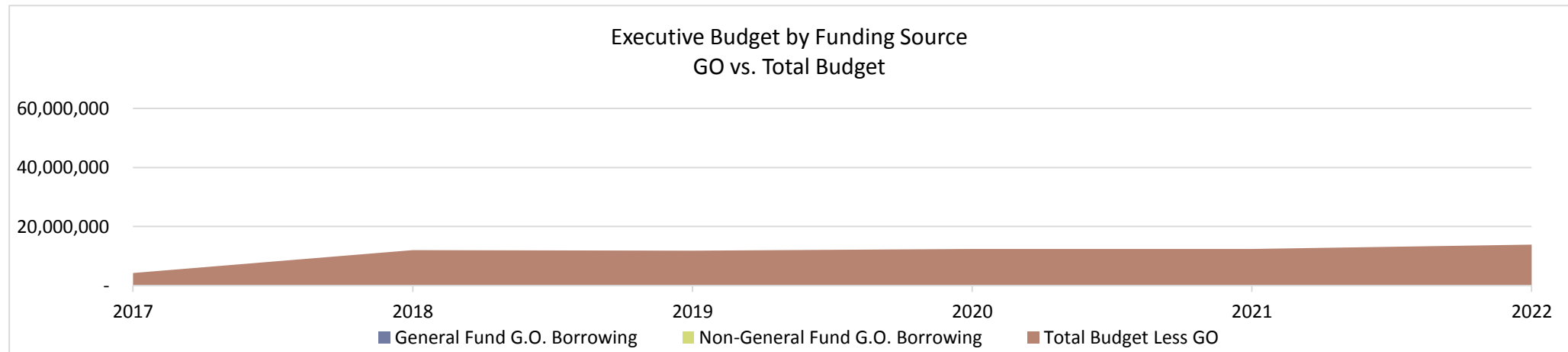
Budget Summary – Sewer Utility

Goal

- To safely and efficiently collect and convey wastewater with minimal sewer backups through construction and maintenance of the sanitary sewer system.

Budget Highlights

- Reconstruction of sanitary sewer mains and laterals with street construction projects.
- Continuing trenchless sewer rehabilitation.
- Pumpkin Hollow Impact Fee District to expand service area to northeast.



Collection System Additions

Background

- This program funds the construction of assessable sewer facilities for new development, including easement acquisition where applicable.

Planned Projects

- Project locations and schedules vary and are typically development driven and may arise with short notice.

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Special Assessment		150,000	115,000	117,000	122,000	122,000	125,000
TOTAL		150,000	115,000	117,000	122,000	122,000	125,000

Felland Area Sewer Impact Fee District

Background

- This project extends sanitary sewer service from the intersection of Burke Road and Felland Road, north to Nelson Road
- Project will relieve the Nelson Road lift station which is nearing capacity

Schedule

- The easement acquisitions have been completed and construction is tentatively scheduled for 2018; however, the anticipated construction year may be revised dependent on Development interest in the area of service.

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Impact Fees			1,000,000				
TOTAL			1,000,000				

Lift Station Rehabilitations

Background

- This program capitalizes repairs and rehabilitations for the City's 28 waste water lift stations and force mains.

Planned Projects

- Unanticipated major repairs and equipment replacement.
- Electrical upgrades of the Regent Street lift station.
- Installation of back up generators for lift stations having a 2-hour or less storage time.

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Reserves Applied		59,000	62,000	66,000	70,000	70,000	75,000
TOTAL		59,000	62,000	66,000	70,000	70,000	75,000

Pumpkin Hollow Sewer Impact Fee District

Background

- This project will extend sanitary sewer service from the west side of the interstate highway south of Hoepker Road to the east side of the interstate and then northerly to Hoepker Road. This will allow for development of the Pumpkin Hollow Neighborhood.

Schedule

- Easements have been obtained but the impact fee district is not yet established. Construction is tentatively planned for 2017 as a Developer has expressed a need for sewer in 2017.

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Impact Fees		890,000					
TOTAL		890,000					

Sewer Access Improvements

Background

- This program establishes permanent sewer maintenance access roads, trails, or paths in areas where access was not well established with initial installation or where access has gradually declined due to numerous factors.

Planned Projects

- Known problem locations where work may occur: Dovetail Subdivision; Lien Road to Sycamore Avenue easement; Swanson siphon west of Grimm Street; Hayes Road and Portage Road easement to the Interstate; easement along the north line of Edna Taylor Park; and the Tree Lane stream crossing.

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Reserves Applied		110,000	120,000	123,000	130,000	130,000	135,000
TOTAL		110,000	120,000	123,000	130,000	130,000	135,000

Sewer Reconstruction

Background

- This program involves the replacement of older, problematic or non-conforming sewers in coordination with the City's Street Reconstruction and Pavement Management Program or as stand alone projects.

Planned Projects

- Sewer reconstructions included in contracts with Streets budgets along with sanitary sewer only projects.

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Non-GF GO Borrowing		675,000	8,870,000	9,630,400	10,110,000	10,110,000	11,350,000
Reserves Applied		100,000	130,000	100,000	100,000	100,000	150,000
Federal Sources		625,755					
TOTAL		1,400,755	9,000,000	9,730,400	10,210,000	10,210,000	11,500,000

Trenchless Sewer Rehabilitation

Background

- This program rehabilitates deteriorating sewers that meet certain criteria but do not necessitate the need for a complete replacement by means of open cutting.

Planned Projects

- The amount budgeted will repair approximately seven miles of sewer main at a number of strategically selected locations, based on citywide need. This item may also include replacement of inaccessible sewers by a 'direct bore' method, which is a relatively new technology for replacement of gravity sewer mains. Backyard sewer mains are a focus.

Budget

Reauth	2017	2018	2019	2020	2021	2022
Non-GF GO Borrowing	1,410,000	1,480,000	1,560,000	1,640,000	1,640,000	1,810,000
Reserves Applied	50,000	50,000	50,000	50,000	50,000	50,000
TOTAL	1,460,000	1,530,000	1,610,000	1,690,000	1,690,000	1,860,000

Engineering: Other Projects

2017 CAPITAL BUDGET

ROB PHILLIPS, CITY ENGINEER

BOARD OF ESTIMATES BUDGET PRESENTATION



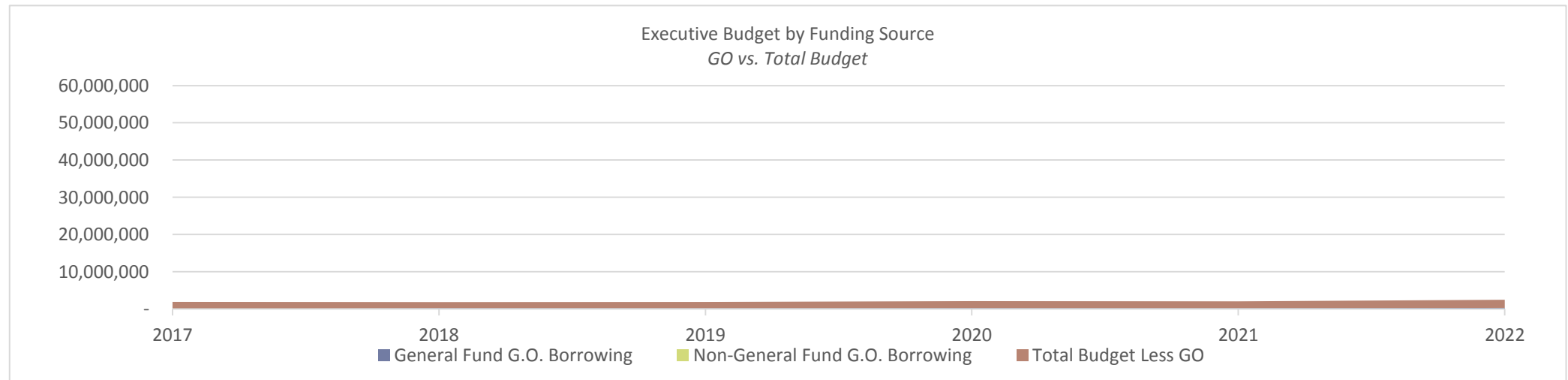
Budget Summary

Goal

- The items of this budget category include 9 miscellaneous projects or programs that do not fit into other Agency Budgets. The goal of these projects vary including public safety, worker safety, environmental safety, worker and agency efficiency, and public amenities. The goal is continuing these ongoing projects to meet the needs and desired outcomes.

2017 Highlights

- Delay of any new public drinking fountains until 2019 to allow for a detailed review of the newly imposed requirement to meter new fountains.
- Conversion of all City Engineering Division radios to digital format as required for the City wide transition to digital technology by 2020.
- Reduce the spending for ROW Landscaping and Trees, but maintain an acceptable level of emphasis.
- Continue funding to Waste Oil Collection sites to continue needed upgrades to the sites including re-activating the Glenway site.



Aerial Photo / Orthophotos

Background

- This program provides updates to the City's GIS base mapping and aerial photography, all vital to our Utilities, Planning and Public Safety Agencies
- The goal of this program is to provide the data and imagery to support the efficiency of the Agency Users.

Planned Projects

- The aerial photography was updated in 2016 so no new update is planned until 2018.

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Reserves Applied	0	0	30,000	0	30,000	0	42,000
GF GO Borrowing	0	0	20,000	0	20,000	0	28,000
TOTAL	0	0	50,000	0	50,000	0	70,000

Equipment and Vehicle Replacement

Background

- This Program provides for new and replacement vehicles for the Engineering Division which includes the Storm Water Utility and the Sewer Utility.
- The goal of the program is to provide safe and reliable equipment necessary to perform all required maintenance.

Planned Projects

- Replace older fleet and equipment.

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Reserves Applied	0	1,277,000	1,344,000	1,424,000	1,546,350	1,546,350	1,755,000
Sale Property/Cap Asset	0	127,700	134,400	142,400	154,635	154,635	175,500
TOTAL	0	1,404,700	1,478,400	1,566,400	1,700,985	1,700,985	1,930,500

Public Drinking Fountains

Background

- This Program installs Public Drinking Fountains in public spaces such as Parks, along bikeways, and within Right of Way.

Planned Projects

- No projects are planned for 2 years as the City considers the need to install water meters on new fountains.

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	63,000	0	0	40,000	40,000	40,000	50,000
TOTAL	63,000	0	0	40,000	40,000	40,000	50,000

Radio System Digital Conversion

Background

- This Project is for the conversion of the City Engineering Division's radio system from Analog to Digital.
- The Analog radios are obsolete and must be phased out by 2020.

Schedule

- The Engineering Division is next up (2017) for conversion within the City's overall plan.

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Reserves Applied	0	203,175	0	0	0	0	0
Transfer from General Fund	0	22,575	0	0	0	0	0
TOTAL	0	225,750	0	0	0	0	0

Right of Way Landscaping & Trees

Background

- The Program landscapes boulevards and other areas within the Public Right of Ways throughout the City.
- The Program may also install trees where applicable.

Planned Projects

- Specific locations are determined in the Spring or the preceding Fall, prioritized by need.

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	0	0	150,000	155,000	160,000	172,240	175,000
Transfer from General Fund	0	122,425	0	0	0	0	0
TOTAL	0	122,425	150,000	155,000	160,000	172,240	175,000

Service Building Improvements

Background

- This Program is for replacement of existing mechanical equipment at the Emil Street Operations Building, on an as needed basis.

Planned Projects

- Itemized improvements or replacements are prioritized on an annual basis.

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Reserves Applied	0	121,800	127,300	134,100	140,420	140,420	154,813
TOTAL	0	121,800	127,300	134,100	140,420	140,420	154,813

Warning Sirens

Background

- This Program funds major upgrades or expansion of the City's Emergency Warning Sirens.

Planned Projects

- No improvements planned for 2017, but then larger scope of work for 2018.

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	0	0	60,000	0	30,000	0	60,000
TOTAL	0	0	60,000	0	30,000	0	60,000

Waste Oil Collection Sites

Background

- This Program provides for the replacement / upgrade to the City's 4 Waste Oil Collection Sites. The goal is to bring the sites up to compliance with current codes, and to better isolate any illicit dumping of PCB contaminated oil.

Planned Projects

- Upgrade and re-open the Glenway site
- Upgrade the Wheeler site

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Reserves Applied	0	50,000	0	10,000	0	10,000	50,000
TOTAL	0	50,000	0	10,000	0	10,000	50,000

Engineering: Bicycle & Pedestrian

2017 CAPITAL BUDGET

ROB PHILLIPS, CITY ENGINEER

BOARD OF ESTIMATES BUDGET PRESENTATION



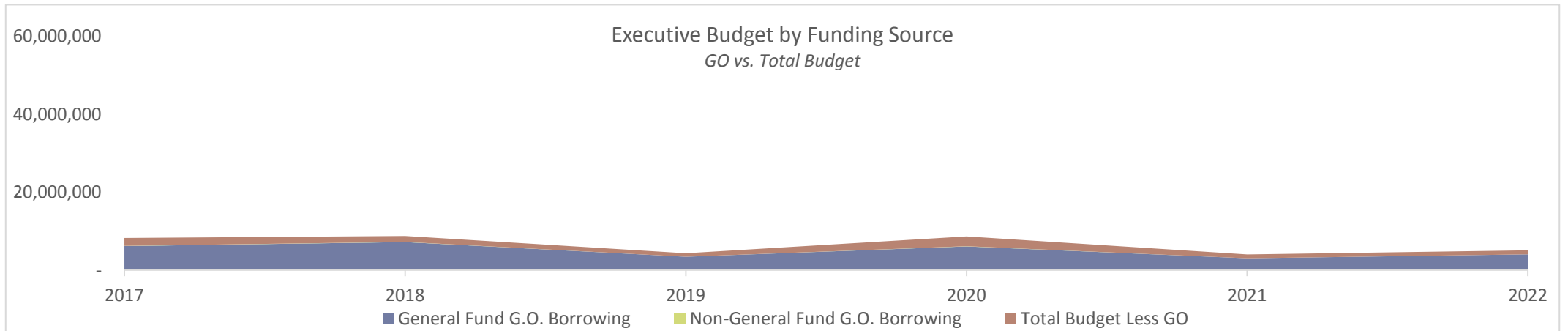
Budget Summary

Goal

- Design, construct, maintain and expand safe and convenient pedestrian and bicycle facilities

2017 Highlights

- Bikeways Program
- Cap City Trail
- Ice Age Junction Path
- Sidewalk Program



Bikeways Program

Background

- Bicycle related improvements across the city
- Resurfacing of existing paths

Planned Projects

- Portage Road Greenway
- Demetral Path Phase 2

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing		779,000	751,000	630,000	670,000	703,000	703,000
TOTAL		779,000	751,000	630,000	670,000	703,000	703,000

Cannonball Path

Background

- Construct Phase 6 of the path system.
- Fish Hatchery Rd to Wingra Path
- New bridge over Wingra Creek

Schedule

- 2017 bridge construction
- 2020 path construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing		210,000			730,000		
TOTAL		210,000			730,000		

Cap City Trail

Background

- Construct two off street segments along rail line
- Limits: Buckeye Rd to Dondee Rd & Vondron Rd to I39
- New RR crossing at Wagon Trail

Schedule

- 2017 path construction of above segments
- 2019 design & real estate for Dondee to Vondron (South side of rail)
- 2022 path construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Federal Sources		715,000					
GF GO Borrowing	100,000	375,000		360,000			910,000
Non-GF GO Borrowing		50,000					
TOTAL	100,000	1,140,000		360,000			910,000

Goodman Path

Background

- New path construction connecting north east side to Cap City Trail
- Limits: Webb Ave. to State Highway 30

Schedule

- 2017 path construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	480,000						
TOTAL	480,000						

Ice Age Junction

Background

- New path construction along County Trunk Highway M
- Limits: Valley View Road to McKee Rd
- Grade separated crossings of Mid Town Rd, CTH M, CTH PD

Schedule

- 2017 CTH PD bridge
- 2018-2019 CTH M path & underpass construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
County Sources		500,000	595,000				
GF GO Borrowing	470,000	2,400,000	1,065,000	300,000			
TOTAL	470,000	2,900,000	1,660,000	300,000			

Ped/Bike Enhancement

Background

- Program funds construction of pedestrian and bike enhancements across the city
- Goal is to increase safety

Planned Projects

- Bike wayfinding guidance signage on the Southwest Commuter Path
- Radar speed display board on Milwaukee St

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing		216,000	222,000	229,000	230,000	243,000	243,000
TOTAL		216,000	222,000	229,000	230,000	243,000	243,000

Safe Routes to School

Background

- Program funds for improving infrastructure surrounding school zones to promote walking and biking to school.

Planned Projects

- Specific strategies utilized by the program include signs, lighting, and traffic calming installations.

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing		87,000	91,000	96,000	101,000	106,000	111,000
TOTAL		87,000	91,000	96,000	101,000	106,000	111,000

Sidewalk Program

Background

- Program funds repair of defective sidewalk, and installation of new sidewalk.
- Goal to provide continual repair on a 10 year replacement cycle

Planned Projects

- Aldermanic Districts 15 & 17 in 2017

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing		1,505,000	1,580,000	1,659,000	1,742,000	1,829,000	1,920,000
Special Assessment		811,000	852,000	895,000	940,000	987,000	1,036,000
TOTAL		2,316,000	2,432,000	2,554,000	2,682,000	2,816,000	2,956,000

West Towne Path

Background

- New East-West path construction along north side of Beltline Hwy
- Limits: Junction Road to Struck St/Grand Canyon Dr
- Extends existing path across employment centers such as West Towne Mall & UW Research Park 2 and connects to Ice Age Junction Path
- Grade separated crossings of Gammon Rd, High Point Rd, Beltline, Watts Rd

Schedule

- 2017 design & real estate
- 2018 construction of Junction Rd to High Point Rd segment
- 2020 construction of High Point Rd to Struck St/Grand Canyon Dr segment

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Federal Sources					1,572,000		
GF GO Borrowing	536,600	440,000	3,320,000		2,448,000		
Non-GF GO Borrowing	75,000		50,000		55,000		
Private Contribution/Donation			70,000				
TOTAL	611,600	440,000	3,440,000		4,075,000		

Engineering: Major Streets

2017 CAPITAL BUDGET

ROB PHILLIPS, CITY ENGINEER

BOARD OF ESTIMATES BUDGET PRESENTATION



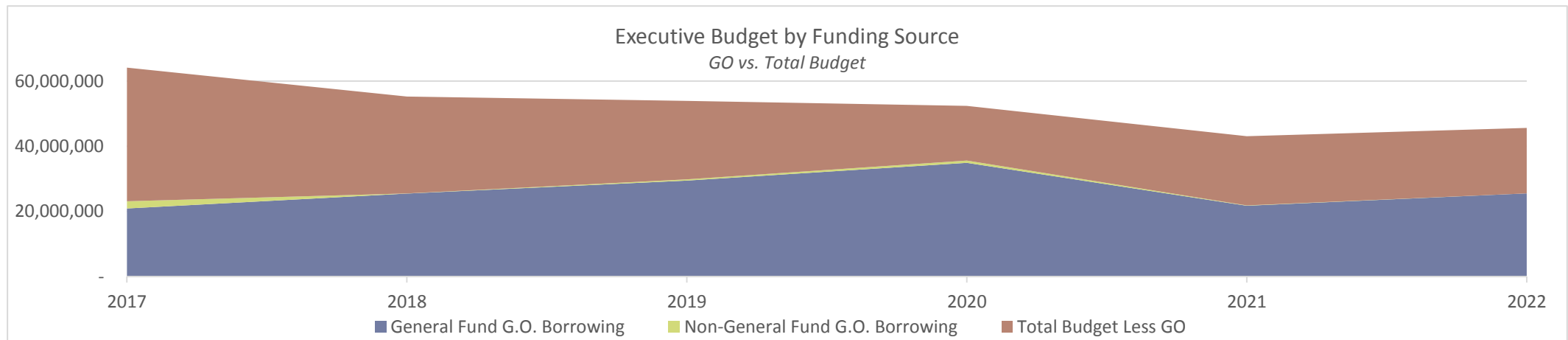
Budget Summary

Goal

- Design, construct, maintain and expand safe and convenient transportation facilities for all users and transportation modes.

2017 Highlights

- County Hwy M & PD
 - Capitol Square Pavement Replacement
 - Continued funding for major programs
- High Point Rd Bridge
Wilson/Williamson Street



Anderson St. (Wright to Stoughton)

Background

- Resurface roadway and add bike lanes

Schedule

- 2020 Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing					500,000		
TOTAL					500,000		

Atwood Ave: Fair Oaks – Cottage Grove

Background

- Replace Pavement & Improve Pedestrian & Bicycle Facilities

Schedule

- 2017 Design
- 2019 Real Estate
- 2020-21 Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	100,000	652,500		500,000	2,144,000	1,336,000	
Utility Funding					255,000	280,000	
Federal Sources					3,216,000	2,004,000	
TOTAL	100,000	652,500		500,000	5,615,000	3,620,000	

Atwood Ave: Schenks Corners

Background

- Reconfigure intersection of Atwood Ave & Winnebago St
- Underground overhead utilities and placemaking

Schedule

- 2019 Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing				2,270,000			
Utility Funding				370,000			
Special Assessment				150,000			
TOTAL				2,790,000			

Bridge Repair

Background

- Program for repair, replacing and painting Madison's bridges to maintain a safe condition

Planned Projects

- Repair of Campus Drive Bridges over High Point Rd and Walnut St

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing		750,000	540,000	150,000	160,000	170,000	170,000
TOTAL		750,000	540,000	150,000	160,000	170,000	170,000

Buckeye Road

Background

- Reconstruct Buckeye Rd from Monona Dr to Stoughton Rd
- Add bike lanes & sidewalks

Schedule

- 2017: Acquire Real Estate; 2018: Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	72,173	200,000	731,530				
Sewer & Storm			1,150,000				
Other	82,500		1,938,420				
TOTAL	154,673		3,820,000				

Capitol Square Pavement Replacement

Background

- Reconstruct pavement & utilities on south half of Capitol Square
- Second portion of project that was started in 2016

Schedule

- 2017 Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
TIF 25/45 Proceeds		1,695,000					
Utility Funding	46,219	350,000					
TOTAL	46,219	2,045,000					

City View Drive

Background

- Construct new roadway from Crossroads Dr to Lien Rd in accordance with Felland Neighborhood Plan
- New railroad crossing

Schedule

- 2017 Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	295,650						
Special Assessment	3,172,500	197,500					
TOTAL	3,468,150	197,500					

Cottage Grove Rd (I39 to Sprecher)

Background

- Reconstruct existing roadway to urban boulevard with bike lanes and sidewalks

Schedule

- 2017 Design & Real Estate
- 2018 Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing		1,000,000	1,437,500				
Utility Funding	12,309		12,000				
Other	224,000		4,312,500				
TOTAL	236,309	1,000,000	5,762,000				

County Highway M (PD Area)

Background

- Reconstruct existing roadway to urban boulevard with bike lanes, sidewalks & parallel multi-use path

Schedule

- 2017-2019 Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing		265,351	530,701	265,351			
Utility Funding		43,750	87,500	43,750			
Other		4,642,149	9,284,299	4,642,149			
TOTAL		4,951,250	9,902,500	4,951,250			

County Highway M (Midtown)

Background

- Reconstruct existing roadway to urban boulevard with bike lanes, sidewalks and parallel multi-use path

Schedule

- 2017-2019 Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	1,000	1,317,821	2,635,645	1,317,822			
Utility Funding		18,750	37,500	18,750			
Other		3,092,178	6,184,356	3,092,178			
TOTAL	1,000	4,428,749	8,857,501	4,428,750			

Darbo Webb Connection

Background

- Construct new street in accordance with Schenk-Atwood-Starkweather-Worthington Park Neighborhood plan

Schedule

- 2019 Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing				820,000			
Utility Funding	1,664			195,000			
TOTAL	1,664			1,015,000			

Gammon Road, South

Background

- Reconstruct pavement from Seybold Road to Mineral Point Rd
- In conjunction with West Towne Path underpass of Gammon Rd

Schedule

- 2017-2018 Design
- 2020 Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing		250,000	250,000		1,392,000		
Utility Funding					20,000		
Other					2,088,000		
TOTAL		250,000	250,000		3,500,000		

High Point Rd Bridge Over Beltline

Background

- WisDOT project to replace the bridge over the Beltline
- Adds bike lanes and sidewalk over Beltline
- Includes West Towne Path crossing over Beltline

Schedule

- 2017 Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	1,000,000	500,000					
State Sources	150,000	1,630,000					
TOTAL	1,150,000	2,130,000					

Jeffy Trail

Background

- New street construction in accordance with High Point Raymond Neighborhood Plan

Schedule

- 2018 Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing			510,000				
Non-GF GO Borrowing			45,000				
Reserves Applied			5,000				
TOTAL			560,000				

Johnson St, E Reconstruct: Baldwin to First St

Background

- Reconstruct E Johnson St
- Improve pedestrian and bicycle facilities

Schedule

- 2018 Real Estate
- 2019 Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing			200,000	1,824,000			
Utility Funding				385,000			
Other				3,036,000			
TOTAL			200,000	5,245,000			

Johnson St, E – Undergrounding Utilities

Background

- Underground overhead utilities from Livingston St to Brearly St
- Funded by TID 32

Schedule

- 2017 Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
TIF 32 Proceeds		750,000					
TOTAL		750,000					

Martin Luther King Jr. Blvd

Background

- Replace pavement as necessary, create a pedestrian mall, replace sidewalk and replace trees
- Main St to Wilson St

Schedule

- 2019 Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Reserves Applied				10,000			
Revenue Bonds - Capitalized				105,000			
TIF 45 Proceeds				2,030,000			
TOTAL				2,145,000			

McKee Rd (CTH PD) Improvements

Background

- Reconstruct existing roadway to four lane urban boulevard with bike lanes & sidewalks.
- Multi-use path parallels roadway

Schedule

- 2017 Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
County Sources		3,125,996					
Federal Sources		6,080,000					
GF GO Borrowing		3,654,004					
TOTAL		12,860,000					

McKenna Blvd Reconstruction

Background

- Resurface Schroeder Rd to Pilgrim Rd

Schedule

- 2017 Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	6,047	750,000					
Non-GF GO Borrowing	41,366	100,000					
Reserves Applied		10,000					
TOTAL	47,413	860,000					

Mineral Point Rd: Beltline to High Point

Background

- Replace existing pavement and add bike lanes

Schedule

- 2017 Design
- 2020 Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Federal Sources					665,000		
GF GO Borrowing	130,000				665,000		
TOTAL	130,000				1,330,000		

Mineral Point Rd: S Point to Pleasant View

Background

- Reconstruct existing roadway to urban boulevard with bike lanes and sidewalks
- Multi-use path parallel roadway

Schedule

- 2017-2018 Design
- 2022 Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
County Sources		135,000	135,000				1,072,000
Federal Sources							3,216,000
GF GO Borrowing		135,000	135,000				2,572,000
TOTAL		270,000	270,000				6,860,000

Monroe Street

Background

- Reconstruction of existing roadway and utilities

Schedule

- 2017 Pavement Patch Repairs
- 2020 Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing		300,000			10,090,000		
Utility Funding					4,550,000		
Special Assessment					270,000		
TOTAL		300,000			14,910,000		

Neighborhood Traffic Management & Pedestrian Improvements

Background

- Funding for traffic calming projects and pedestrian Improvements
- Speed humps, traffic tables, bump outs, islands

Planned Projects

- Determined during year by City Traffic Engineer

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing		310,000	320,000	330,000	340,000	350,000	350,000
TOTAL		310,000	320,000	330,000	340,000	350,000	350,000

Outer Capital Loop Southeast

Background

- Reconstruct roadway and utilities on E Doty St from MLK Jr Blvd to S Webster St
- Include bike lanes, bump outs, pedestrian lighting
- Coordinate with Judge Doyle Square

Schedule

- 2019 Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
TIF 25 Proceeds				1,800,000			
Utility Funding				175,000			
Other				30,000			
TOTAL				2,005,000			

Park Street, South: Olin to Railroad

Background

- Reconstruct existing roadway

Schedule

- 2018 Design
- 2021 Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing			150,000			1,505,000	
Utility Funding						225,000	
Other			150,000			1,620,000	
TOTAL			300,000			3,350,000	

Park St., South: W Wash-Olin, RR-Badger

Background

- Repair deteriorated pavement joints

Schedule

- 2019-2020 Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing				1,650,000	1,440,000		
Utility Funding				1,075,000	1,075,000		
TOTAL							

Pavement Management

Background

- Resurface existing streets, seal cracks, and chip seal streets
- Extend life of streets and postpone cost of complete construction

Planned Projects

- Gorham St, Butler St, Bridge Rd, Walter St, Yuma Dr

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	1,142,235	4,899,800	9,600,000	9,850,000	10,100,000	10,350,000	10,350,000
Utility Funding	298,500	3,000,000					
Other	61,070	1,375,000	1,425,000	1,475,000	1,525,000	1,575,000	1,575,000
TIF Proceeds		770,000	450,000				
TOTAL	1,501,805	10,044,800	11,475,000	11,325,000	11,625,000	11,925,000	11,925,000

Pleasant View Road

Background

- Reconstruct existing roadway into four lane urban boulevard with bike lanes and sidewalk
- Parallel multi-use path

Schedule

- 2017-2020 Design
- 2021-2023 Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing		200,000	785,000	1,052,500	400,000		2,060,200
Federal Sources						6,629,600	2,359,900
Municipal Cap Participate	50,000	1,476,800	648,800	82,500		6,629,500	299,700
TOTAL	50,000	1,676,800	1,433,800	1,135,000	400,000	13,259,100	4,719,800

Reconstruct Streets

Background

- Program to replace deteriorated streets
- Funding from TID 32 for: INSERT PROJECT NAMES HERE

Planned Projects

- Bassett St, Grand Ave, Mason St, Van Hise Ave, Park Place

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	395,500	2,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000
Utility Funding	818,900	3,309,000					
Other	106,165	2,570,000	2,265,000	1,940,000	815,000	815,000	815,000
TOTAL	1,320,565	7,879,000	6,265,000	5,940,000	4,815,000	4,815,000	4,815,000

RR Crossing

Background

- Repairs railroad crossings and installs infrastructure to support railroad quiet zones in the City

Planned Projects

- 2019 Corry St & Waubesa St

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	40,000	130,000	120,000	130,000	140,000	150,000	150,000
Miscellaneous Revenue	360,000						
TIF Proceeds				450,000			
TOTAL	400,000	130,000	120,000	580,000	140,000	150,000	150,000

Rural to Urban Streets

Background

- Program funds reconstruction of streets with substandard pavement and no existing curb and gutter

Planned Projects

- Dean, Hill Crest, S High Point left turn

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing	258,325	3,280,000	3,220,000	3,360,000	3,500,000	3,640,000	3,640,000
Utility Funding	729,295	3,567,000					
Other		1,420,000	1,380,000	1,440,000	1,500,000	1,560,000	1,560,000
TOTAL	987,620	8,267,000	4,600,000	4,800,000	5,000,000	5,200,000	5,200,000

Treetops/Feather Edge Drive

Background

- Extend existing roadway to Meadow Road
- In conjunction with expanded Hill Creek Park & new Stormwater Management Facility
- Fully funded by Special Assessments

Schedule

- 2020 Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
Special Assessment					1,500,000		
TOTAL					1,500,000		

University Ave: Shorewood to University Bay

Background

- Reconstruct existing roadway and add bike lanes
- Federal funds not yet secured

Schedule

- 2017-2018 Design
- 2022 Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing		270,000	270,000				2,150,000
Utility Funding							600,000
Other		270,000	270,000				8,600,000
TOTAL		540,000	540,000				11,350,000

Washington Ave E. Streetscape

Background

- Install colored crosswalk markings on E Washington Ave

Schedule

- 2020 Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing						200,000	
TOTAL						200,000	

Washington Ave-West: Regent to Bedford

Background

- Reconstruct existing roadway

Schedule

- 2019 Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
GF GO Borrowing				1,900,000			
Utility Funding				375,000			
Other				50,000			
TOTAL				2,325,000			

Wilson St: Hamilton to MLK

Background

- Reconstruct existing roadway & install pedestrian lighting
- Funded with TID 25

Schedule

- 2017 Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
TIF 25 Proceeds		1,165,000					
Utility Funding		300,000					
Other		27,500					
TOTAL		1,492,500					

Wilson St: MLK to King

Background

- Reconstruct existing roadway & Install pedestrian lighting
- Funded with TID 45 proceeds

Schedule

- 2019 Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
TIF 45 Proceeds				1,165,000			
Utility Funding				300,000			
Other				27,500			
TOTAL				1,492,500			

Wilson/Williamson St: Franklin-Blount

Background

- Reconstruct existing roadway & improve pedestrian and bicycle facilities
- Funded with TID 32

Schedule

- 2017 Design
- 2018 Construction

Budget

	Reauth	2017	2018	2019	2020	2021	2022
TIF 32 Proceeds		1,600,000					
Utility Funding		455,000					
Other		50,000					
TOTAL		2,105,000					