



1200 Wilmette Avenue  
WILMETTE, ILLINOIS 60091-0040

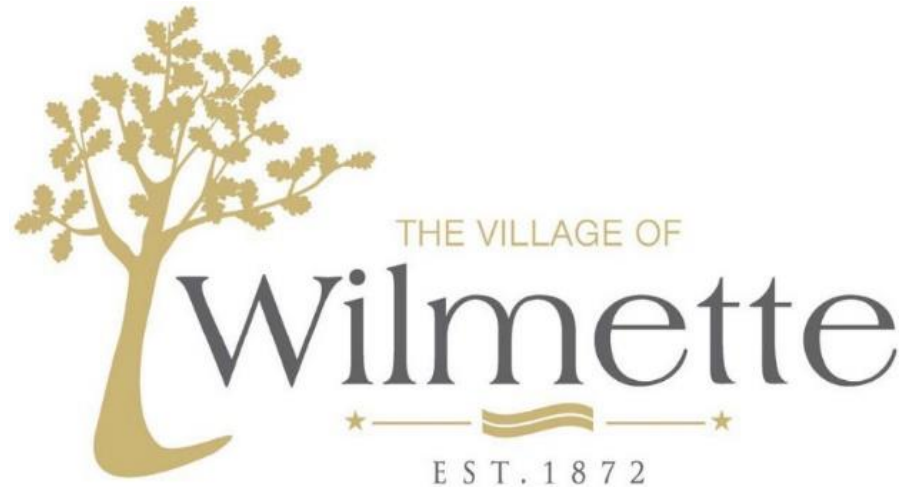
(847) 251-2700  
FAX (847) 853-7700  
TDD (847) 853-7634  
EMAIL [wilmette@wilmette.com](mailto:wilmette@wilmette.com)

September 10, 2020

**ADDITIONAL AGENDA MATERIAL**  
**Committee of the Whole Meeting**

**ITEM:**

- 2**            PowerPoint presentation on the 2021-2030 Capital Program



# Village Board Committee of the Whole 2021-2030 Capital Program

---

**SEPTEMBER 10, 2020**

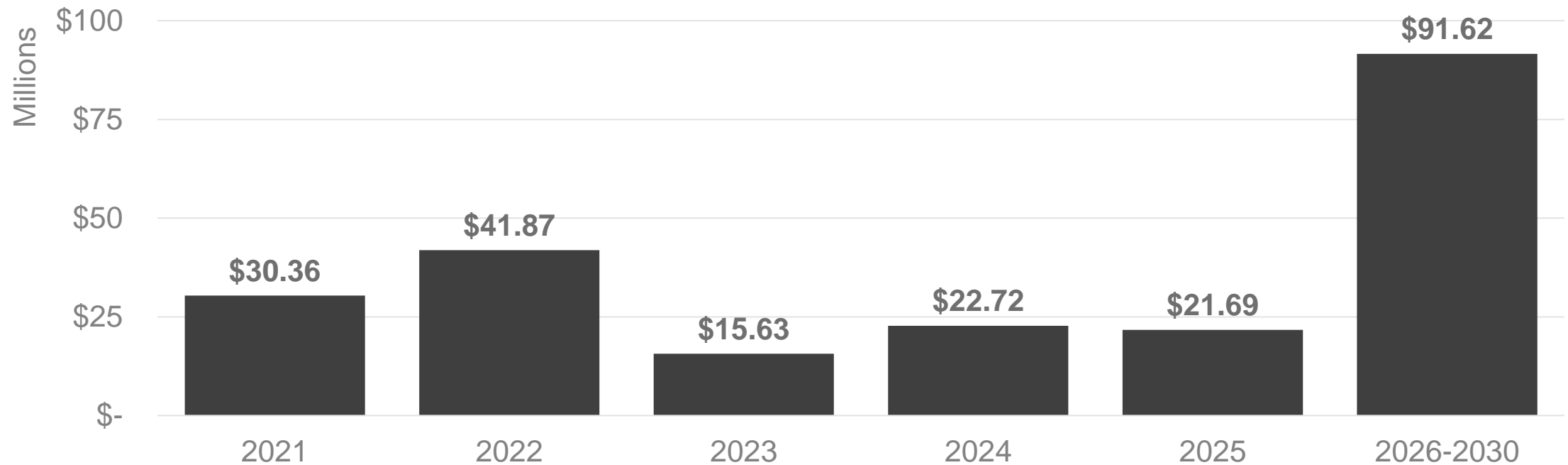
# Presentation Summary

---

- 2021-2030 Capital Program
  - Overview of the 10-year capital program
  - Focused review of 2021 capital program
- Capital Investment Category Review
  - 10-Year overview
  - 2021 capital project details

# 10-Year Capital Program Overview

*Total Investment of \$223.9 million for infrastructure needs of community*



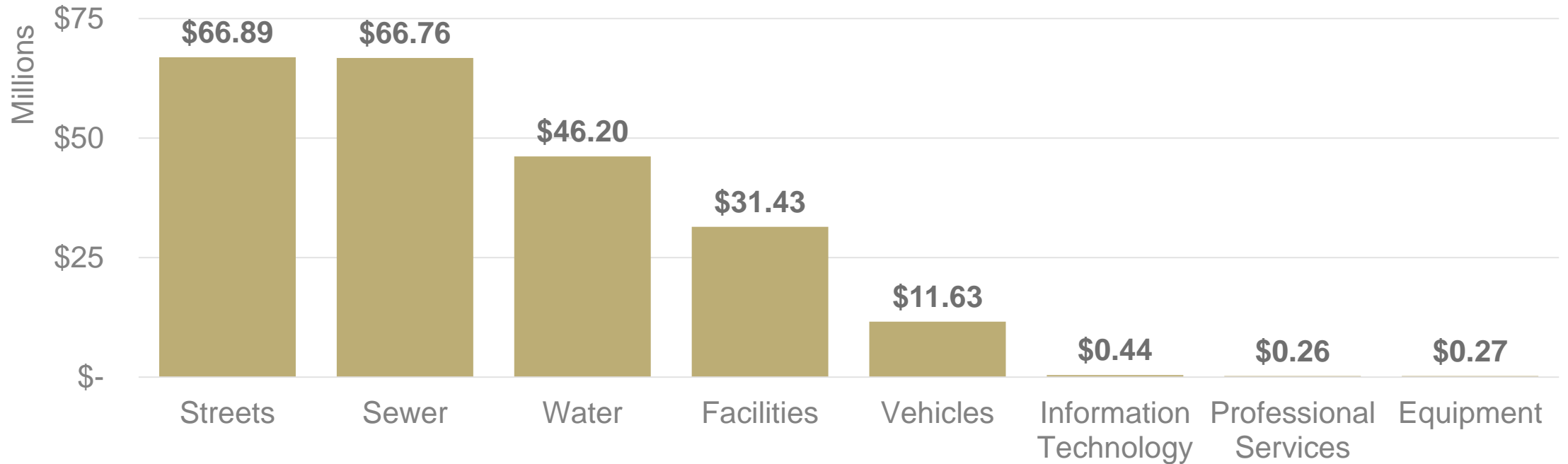
# 2021 Capital Program Overview

	<b>2021 Proposed</b>
Equipment	0.25 M
Facilities	0.19 M
Information Technology	0.12 M
Professional Services	0.18 M
Sewer	20.95 M
Streets	7.07 M
Vehicle Replacement	0.94 M
Water	0.66 M
<b>TOTALS</b>	<b>\$30.36 M</b>

- 2021 Capital Program
  - 46 projects valued at \$30.36 million
- 2020 Approved Comparison
  - 48 projects valued at \$40.75 million
  - Reduced by 25.5%
  - Less funding required for Neighborhood Storage and Water Plant Electrical Improvements
- 2021 Forecast Comparison
  - 75 projects valued at \$37.34 million
  - Deferral of facility updates, vehicle replacements, and project timing

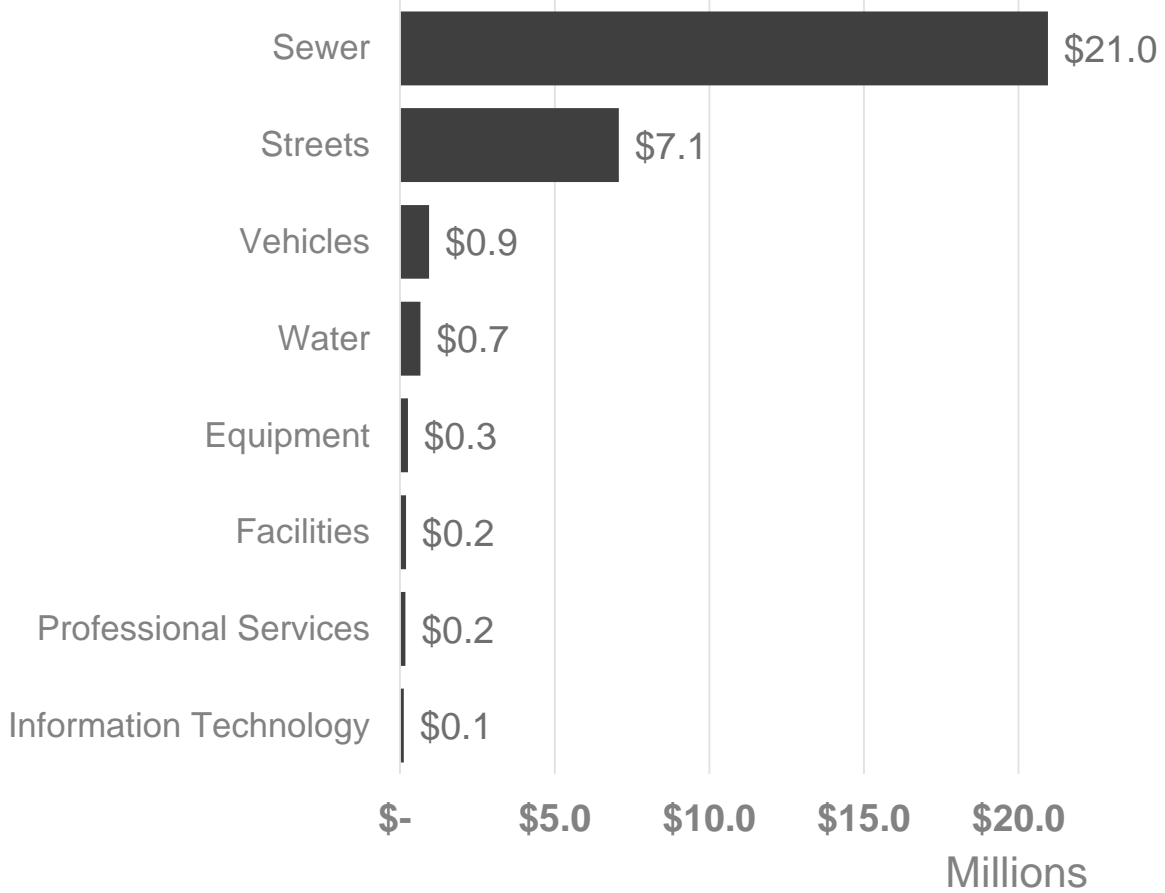
# 10-Year Category Overview

*High-Level Investment in critical infrastructure including streets, sewer, and water utility*



# 2021 Category Overview

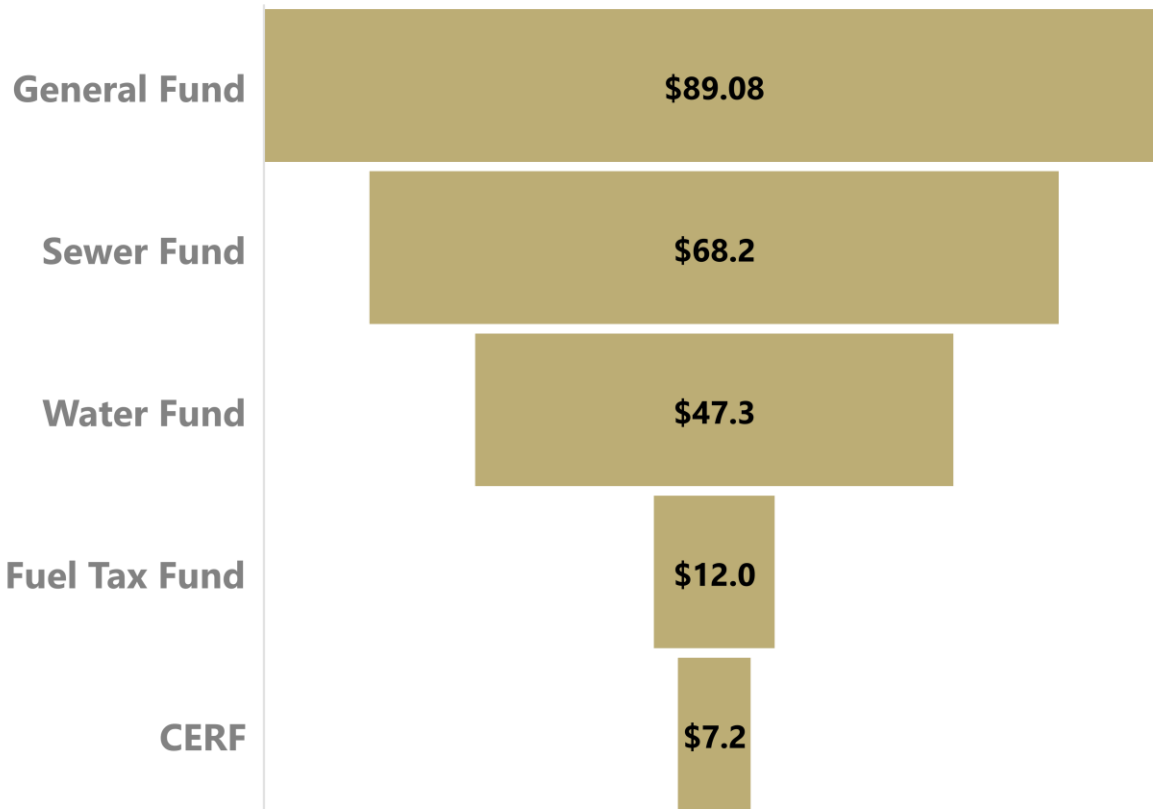
---



- Focus on sewer & streets asset investment
- 5 projects of the total 46 projects make up 84% of capital program
  - Neighborhood Storage \$19.4M
  - Central Ave. Reconstruction \$2.8M
  - Road Program \$2.4M
  - SWPS Electrical Improvement \$0.6M
  - Water Plant Electric Improvement \$0.4M

# 10-Year Funding Overview

---



*\*in millions*

- Utilize a variety of funding sources for capital projects
  - Operating revenues
  - Grant revenues
  - Debt financing
- State Infrastructure Funds
  - Received \$594k that can be used for long-term infrastructure; options include:
    - Brick Overlay
    - Brick Reconstruction
    - Central Avenue



# 2021 Funding Overview

## General Fund

- Operating funds include taxes/fees for roads, and facilities
- Grant funding typically road projects
- Debt financing for Central Ave. and roof replacement

## CERF

- Set aside funds to maintain vehicle/equipment replacement cycles

## Sewer Fund

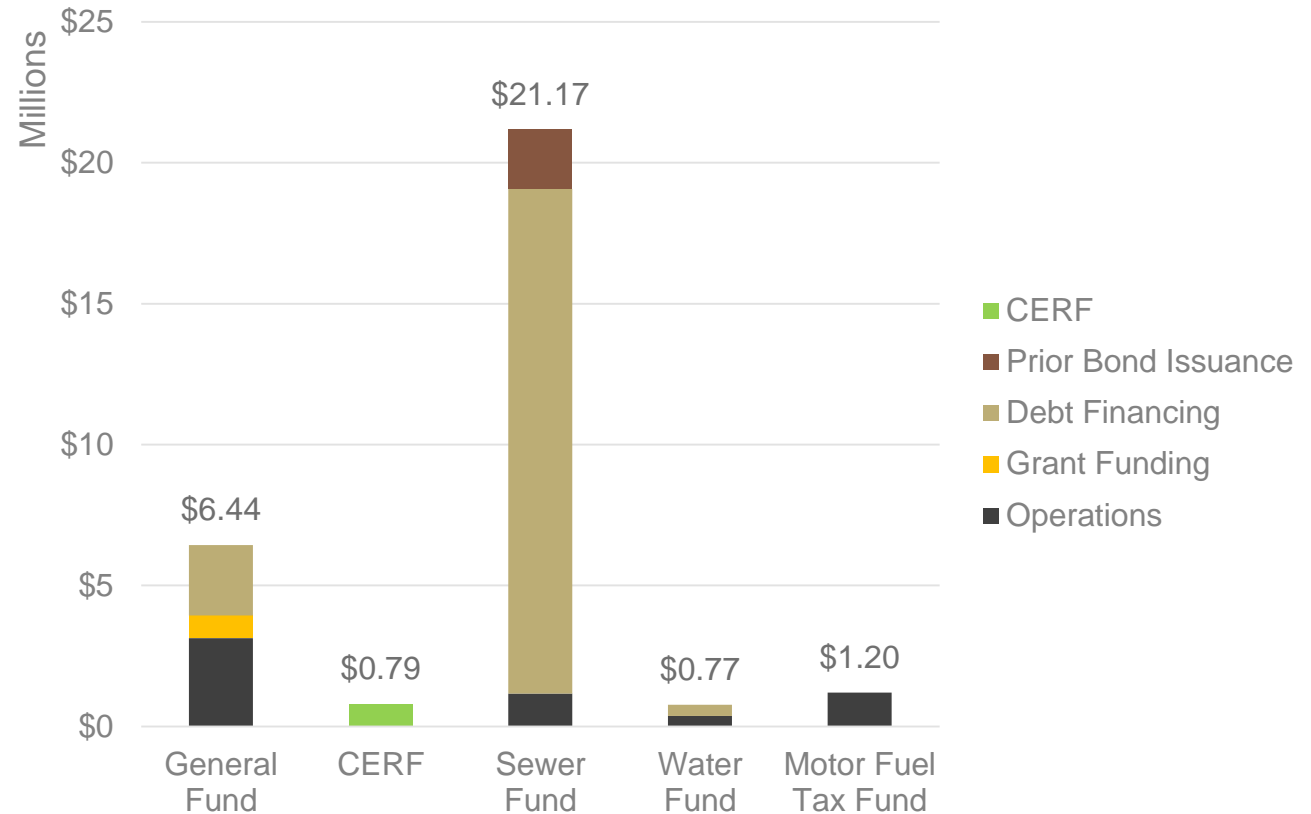
- Operating funds include customer sewer rates
- Debt financing for NSP repaid by stormwater fee

## Water Fund

- Operating funds and debt financing are supported by water utility rates and wholesale revenues

## Motor Fuel Tax Fund

- Portion of road program funded by State MFT



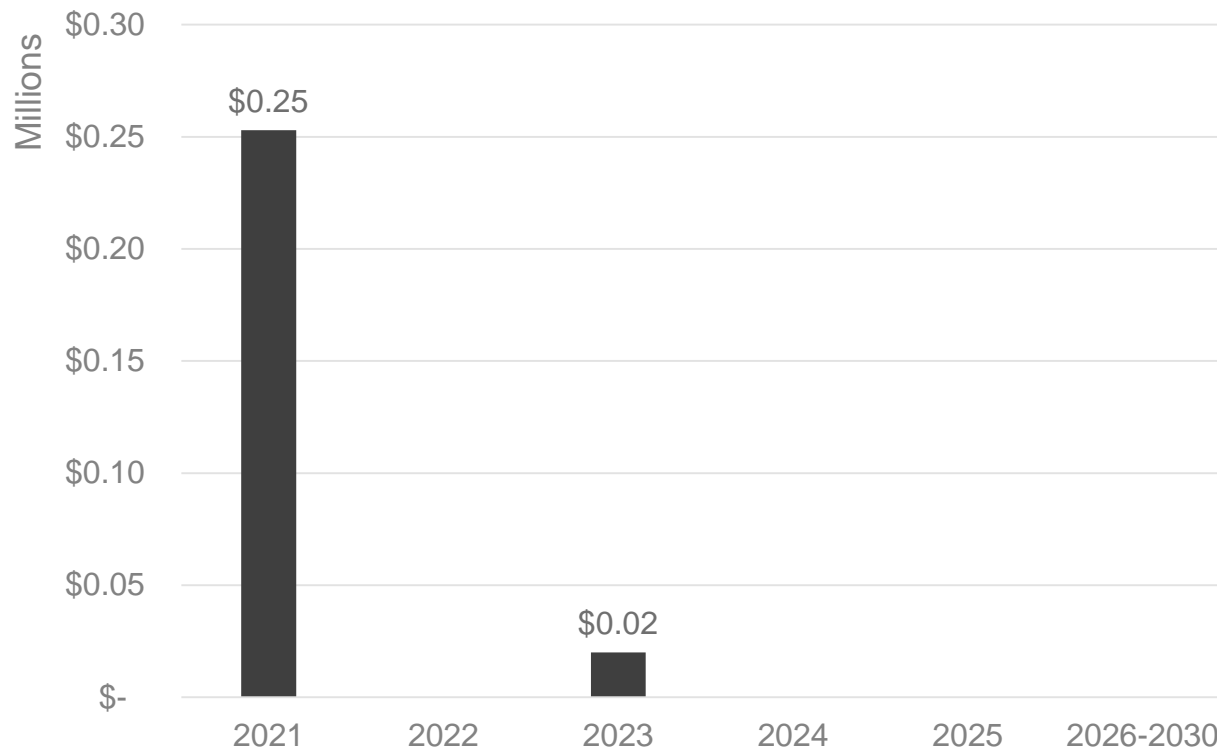
# Project Review by Category

---



# Equipment 10-Year Program

---



- Primary expenditure in 2021
- No significant replacements in future years planned
- Funding Sources
  - Grants and General Fund

# 2021 Equipment Projects

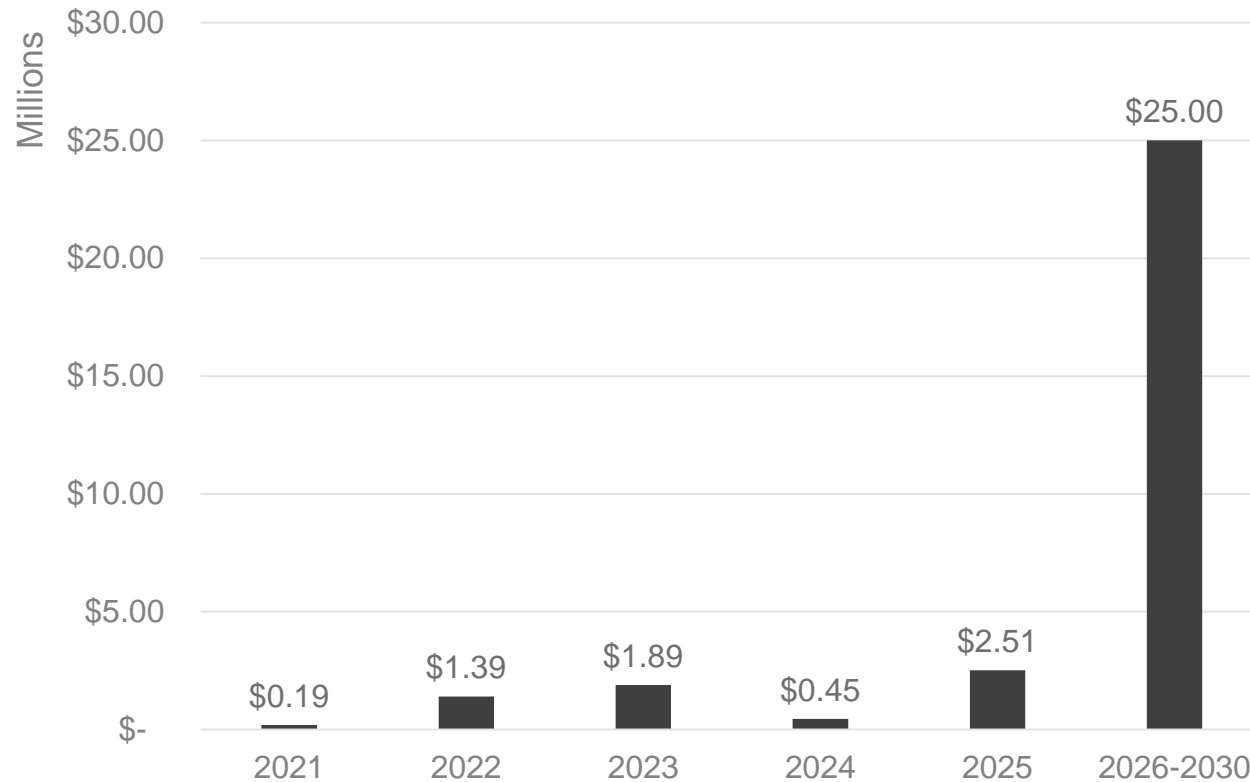
---

Project	Department	Status	2021 Request
Cardiac Monitor and Defibrillator	Fire	Critical	68,000
Upgrade for NextGen 911	Police	Recommended	185,000
<b>TOTAL</b>			<b>\$253,000</b>

- **Cardiac Monitor**
  - Original purchase in 2012
  - Started to experience breakdowns in 2020
    - Unit out of service over 2 weeks
  - Request is for 3 units
- **NextGen 911 Upgrade**
  - Software upgrade and reconfiguration
  - Improve location accuracy
  - Grant funding approved

# Facilities 10-Year Program

---



- Deferral of non-critical facilities investment to 2022 and 2023
- New Police Station
  - Planning starts in 2024
  - Construction is slated for 2026-2030 timeframe
- Funding Sources
  - Debt financing and General Fund

# 2021 Facilities Projects

---

Project	Department	Status	2021 Request
Parking Lot Paving Program	EPW	Recommended	15,000
Facility Roof Replacement	EPW	Critical	174,500
<b>TOTAL</b>			<b>\$189,500</b>

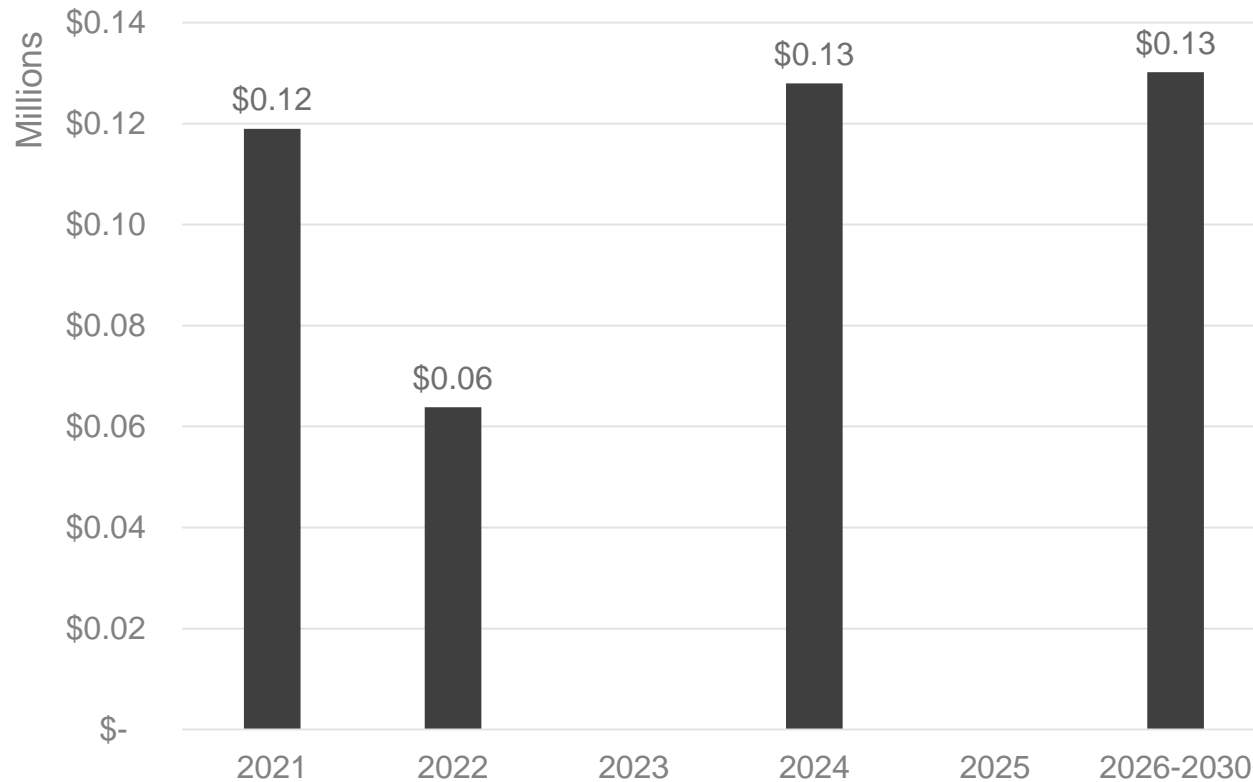
- **Parking Lot Paving**

- Fall 2020 full inspection of parking lot inventory
- 2021 program will repair lots
- Future years will resurface lots

- **Facility Roof Replacement**

- Administration Building at Public Works
- Originally constructed in 1995
- Restoration of existing roof system
- Issuance of Debt

# Information Technology 10-Year Program



- Investment in software to improve efficiency
  - Cashiering and time clock software
- Continued investment in GIS
- Critical server replacements
- Funding Sources
  - CERF and operating funds

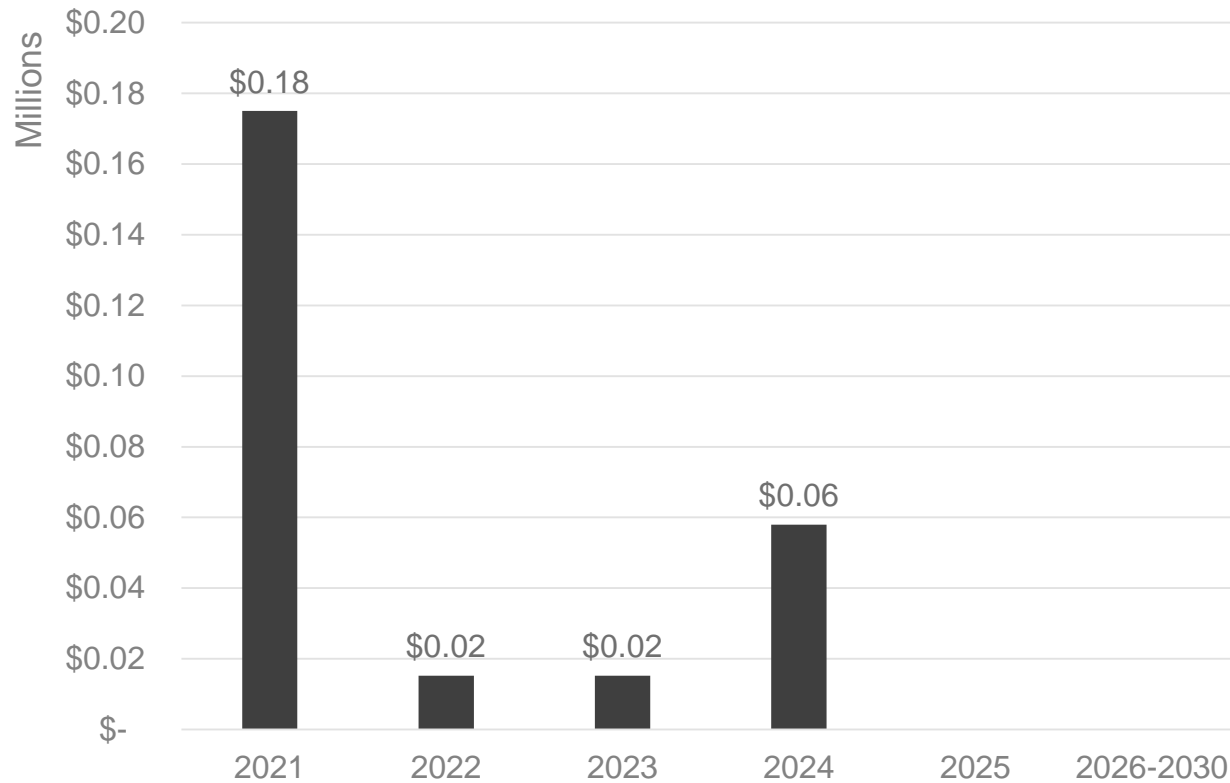
# 2021 Information Technology Projects

Project	Department	Status	2021 Request
Council Chambers A/V	Administrative Services	Critical	80,000
GIS Hardware & Software	Administrative Services	Recommended	39,000
<b>TOTAL</b>			<b>\$119,000</b>

- **Council Chambers A/V**
  - Original Planned for 2020
  - Deferred due to COVID pandemic
  - Increased necessity for telepresence
- **GIS Hardware & Software**
  - Shared cost between General, Water, and Sewer Funds
  - 2021 cost is for planimetric (building footprints) data
  - Recommended every 3 years



# Professional Services 10-Year Program



- Funding for comprehensive plan and historic resource survey
- Funding Sources
  - General Fund

# 2021 Professional Services Projects

---

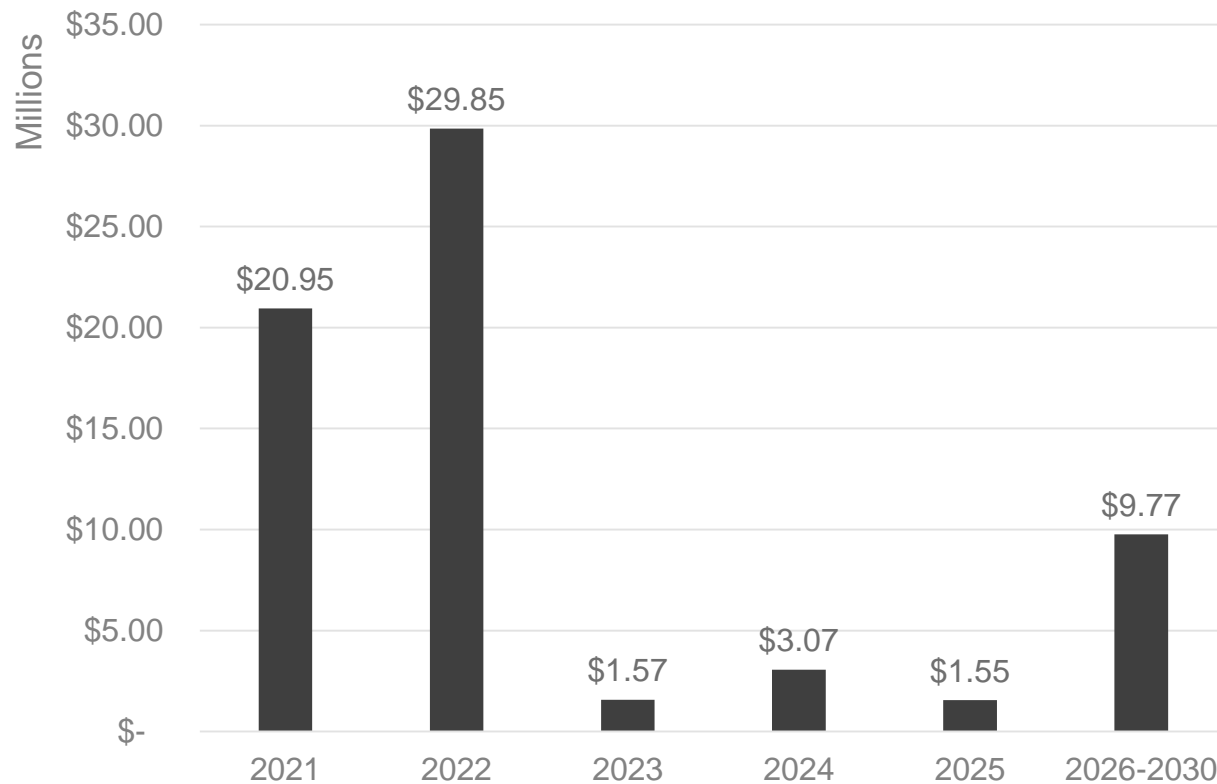
<b>Project</b>	<b>Department</b>	<b>Status</b>	<b>2021 Request</b>
Comprehensive Plan	Community Development	Contingent	175,000
<b>TOTAL</b>			<b>\$175,000</b>

- **Comprehensive Plan**

- Last updated in 2000 and Village Center Master Plan included in 2010
- Help guide growth and development
- Original Planned for 2020
  - Deferred due to COVID pandemic

# Sewer 10-Year Program

---



- Neighborhood Storage Project
  - Investment at Hibbard Park (2021) and Thornwood Park (2022)
- Sewer Lining Program
  - Alternating to every other year program
- Consistent investment in repairs and maintenance programs
- Funding Sources
  - Debt Financing including IEPA loans
    - Supported by sewer rates & stormwater fee
  - Sewer Fund operations
    - Supported by sewer rates

# 2021 Sewer Projects

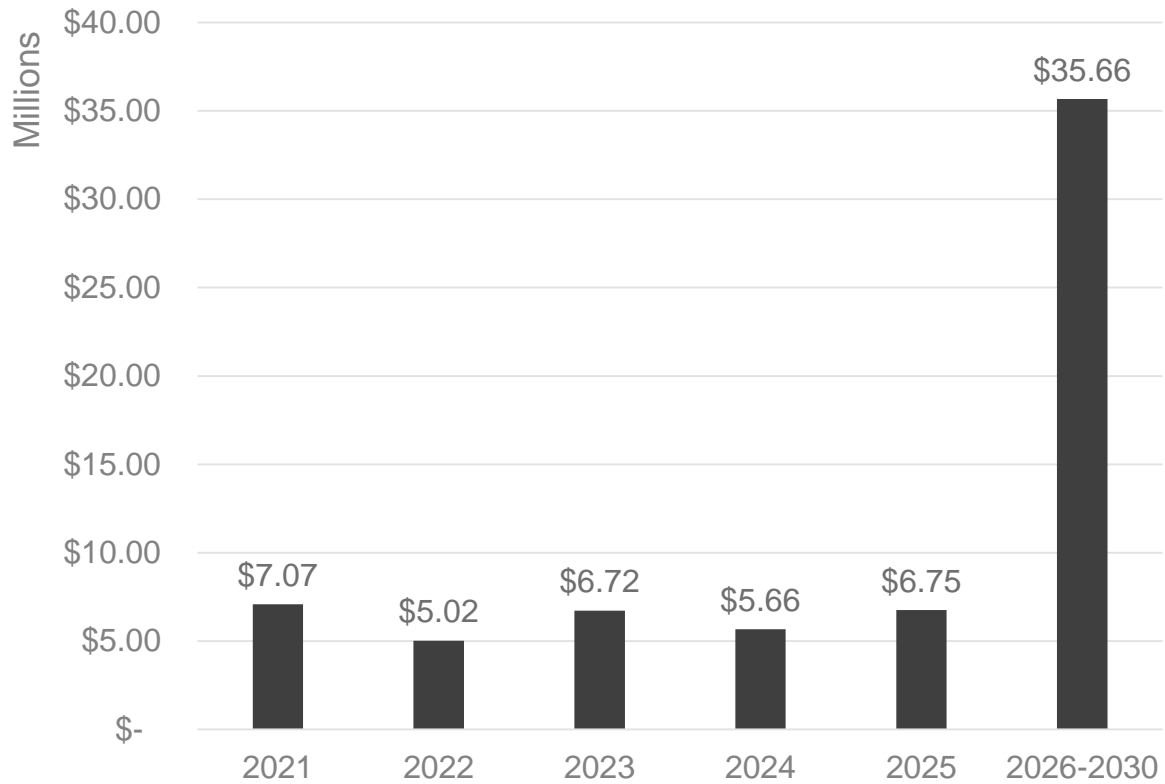
Project	Department	Status	2021 Request
Neighborhood Storage Project	EPW	Recommended	19,400,000
Sewer Main Repairs	EPW	Critical	466,000
Sewer Maintenance	EPW	Critical	366,500
Smoke Testing/Dyed Water	EPW	Recommended	60,000
Stormwater Incentive Program	EPW	Recommended	60,000
SWPS Electrical Improvements	Water Management	Recommended	600,000
<b>TOTAL</b>			<b>\$20,952,200</b>

# 2021 Sewer Projects



- **Neighborhood Storage Project**
  - Hibbard Park
    - Materials, construction, and construction oversight
  - Thornwood Park
    - Engineering for storm sewers and storage
- **Sewer Maintenance Programs**
  - Sewer main repairs, sewer maintenance, smoke testing programs
  - Maintain existing system in working order and stay in compliance with regulations
- **Stormwater Incentive Program**
  - For installation of green infrastructure
  - Funded through stormwater utility program
- **SPWS Electrical Improvements**
  - Project was originally scheduled for 2020 but was postponed
  - Two Year-Program valued at \$1.5 million

# Streets 10-Year Program



- Maintain consistent funding for roadway infrastructure including:
  - Alley Reconstruction
  - Brick Street Renovation and Repair
  - Pavement Maintenance and Marking
  - Road Program
  - Sidewalk Repairs
- Long-term program also includes funds for:
  - Bike Path Improvements
  - Street Lighting and Streetscape
  - Traffic Calming and Intersection Improvements

# 2021 Streets Projects

Project	2021 Request		Project	2021 Request
Alley Reconstruction	574,000		Pedestrian Improvements	25,000
Bike Plan Implementation	50,000		Phase 1 Engineering Studies	20,000
Brick Street Renovation	341,000		Road Program	2,369,000
Brick Street Repair	113,000		Sidewalk Repair	75,000
Central Avenue Reconstruction	2,843,944		Skokie & Lake Intersection	99,055
Curb Replacement	26,000		Skokie Valley Trail	25,000
Engineering Services	198,000		Streetlight Luminaire Replacement	29,000
Pavement Maintenance	209,000		Traffic Calming	25,000
Pavement Marking	52,000			
<b>TOTAL: \$7,073,999</b>				

# 2021 Streets Projects



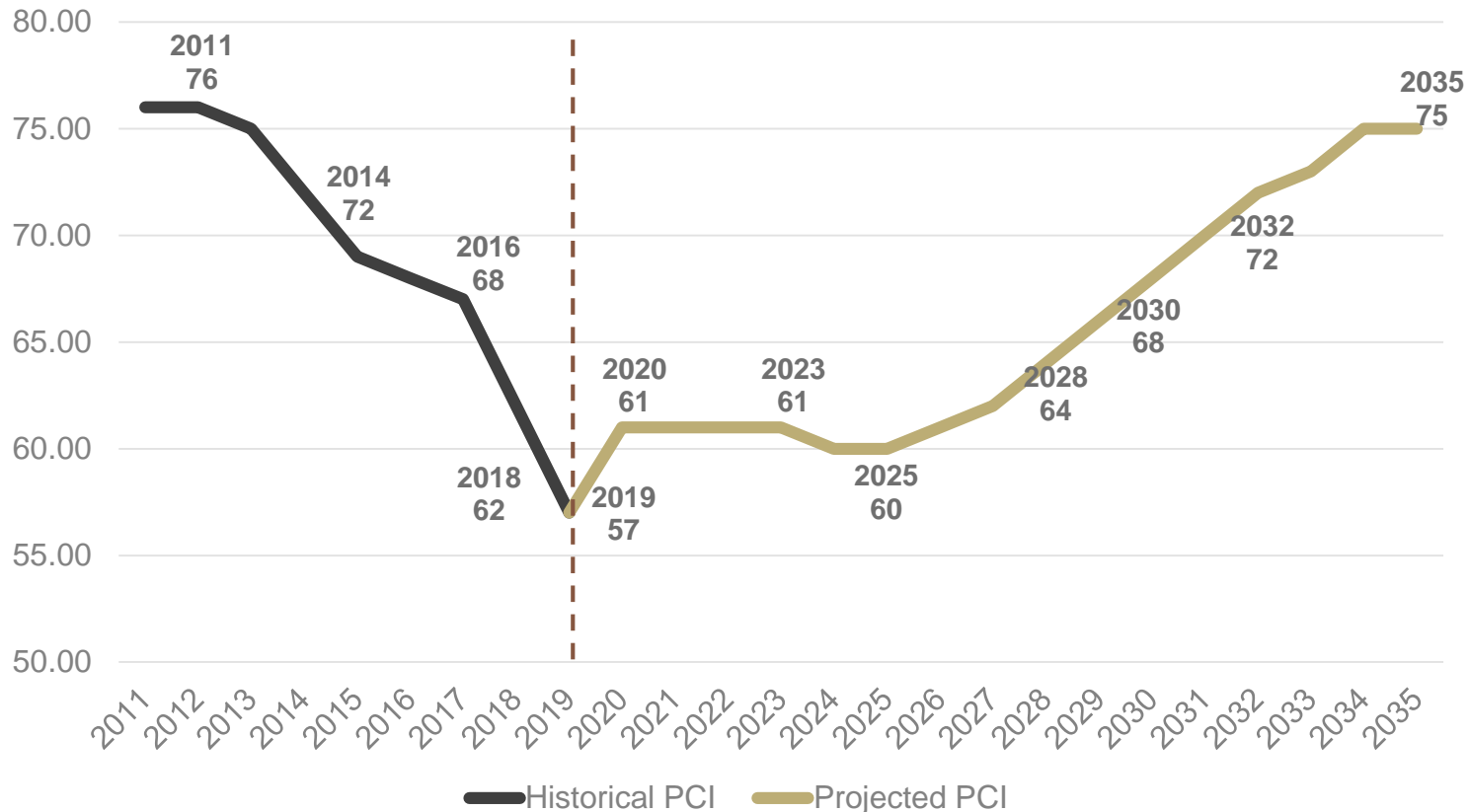
## Project Highlights

- *Alley Reconstruction* – 4 Alleys scheduled
- *Bike Plan* – Improvements on Greenleaf
- *Brick Street Renovation* – 300 Block of 14<sup>th</sup> Street
- *Downtown Streetscape* – Work on Wilmette Ave.
- *Pavement Maintenance* – Includes rejuvenation, patching and crack sealing
- *Pedestrian Improvements* – Install RRFB at Sheridan Road near Plaza del Lago
- *Road Program* – Plan to maintain overall rating of “fair” or better road condition.
  - Includes Forest Avenue Brick Overlay



# Road Program

Pavement Condition Index (PCI)



- Goal to maintain overall rating in “fair” or better condition from 2020-2025
- 2026 decrease in debt service allowing road program funding to increase
- 2026 & beyond funding is at rehabilitation rate of 5% of roadway area per year
- Long-term goal to achieve and maintain “good” PCI

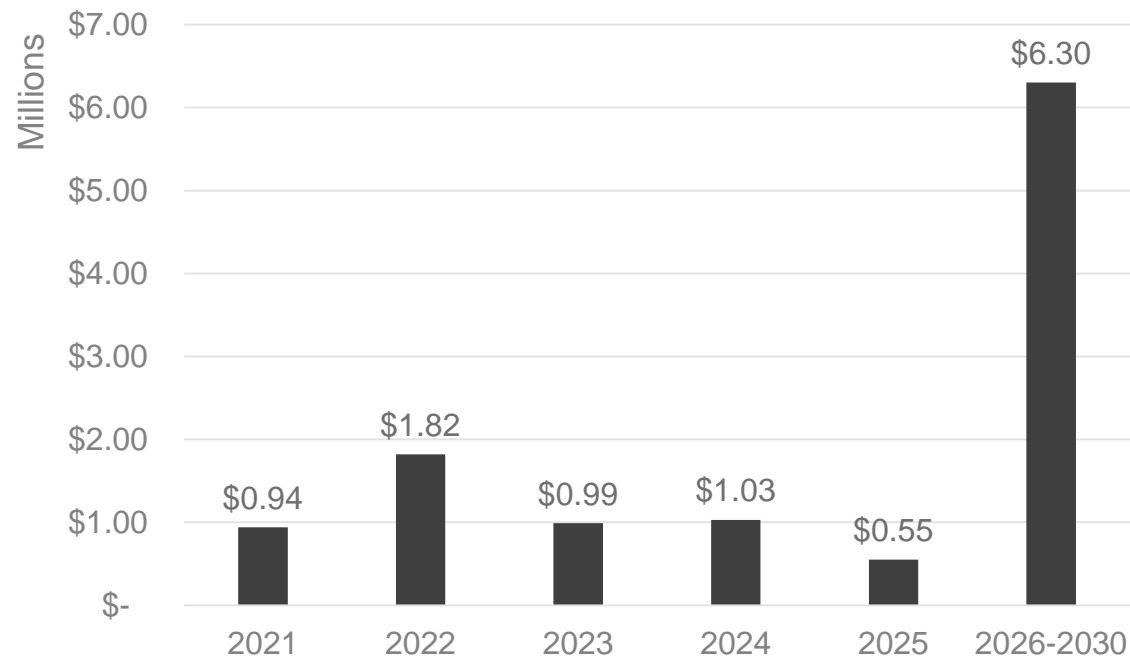
# Road Program

---

- Consensus reached during 2020 budget process
- Funding levels:
  - 2020 - \$2.75 million
  - 2021-2025 - \$2.30 million
  - 2026 & beyond - \$4.00 million
- On target to address all 2019 serious rated streets by 2023

Surface Condition	PCI Rating	% Inventory (2019 Results)	% Inventory (2020 Estimate)
Excellent	100-86	16%	22%
Good	85-71	12%	8%
Fair	70-56	20%	18%
Poor	55-41	21%	28%
Very Poor	40-26	20%	18%
Serious	25-0	11%	6%

# Vehicle Replacement 10-Year Program



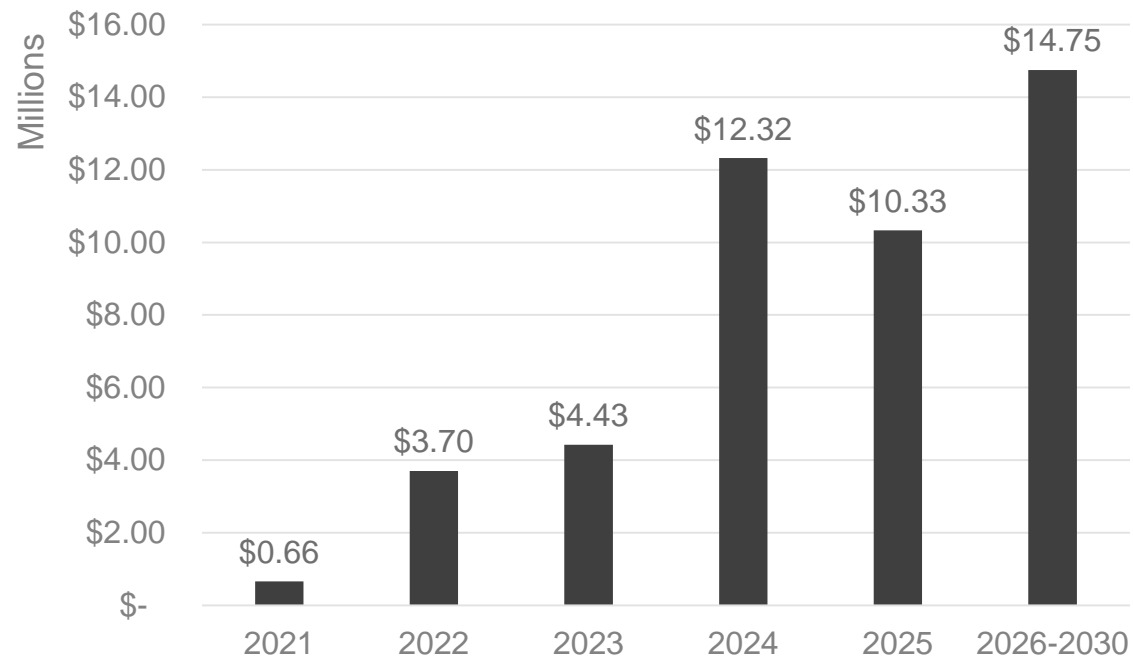
- Goal is to consistently fund vehicle replacements
  - Use of rating criteria to determine class
- Review Green Fleet alternatives for all purchases
  - Review of hybrid, electric, and CNG options
- Funding Sources
  - CERF
  - Water and Sewer Fund operations

# 2021 Vehicle Replacement

Project	Department	Status	2021 Request
Sidewalk Snowplow	EPW (Streets)	Class 1	168,000
Unmarked Squad	Police	Recommended	46,000
Large Dump Truck	EPW (Streets)	Class 1	235,000
Aerial Lift Truck	EPW (Streets)	Class 2	190,000
Water Meter Shop Van	Water Management	Class 1	36,500
Small Dump Truck	EPW (Water/Sewer)	Class 1	63,000
Shoring Supply Truck	EPW (Water/Sewer)	Class 2	57,000
Sewer Televising Truck	EPW (Water/Sewer)	Class 1	145,000
<b>TOTAL</b>			<b>\$940,500</b>

# Water 10-Year Program

---



- Future Investment in four categories
  - Automatic Meter Reading
  - Treatment Process Improvement Program
  - Water Intake Improvements
  - Water Main Replacement Program
- Use of rating criteria to determine priorities
- Funding Sources
  - Debt Financing including IEPA loans
  - Water Fund operations
    - Supported by water rates and wholesale water revenue

# 2021 Water Projects

Project	Department	Status	2021 Request
Distribution System Valve Improvements	EPW	Recommended	91,000
Electrical Improvements Program Phase 2	Water Management	Tier 4	400,000
Hydraulic Modeling and Fire Flow Testing	EPW	Recommended	15,000
Rebuild High Lift Pumps	Water Management	Tier 2	50,000
Repairs – Water Transmission Line	EPW	Critical	21,500
Water Intake Inspections	Water Management	Tier 2	20,000
Water Main Surge Suppressors	EPW	Recommended	12,000
Water Meter Replacement Program	Water Management	Tier 4	50,000
<b>TOTAL</b>			<b>\$659,500</b>

# 2021 Water Projects



- **Distribution System Investment**
  - Projects include valve improvements, hydraulic modeling, transmission lines, and surge suppressors
  - Investment in distribution system is necessary for system to continue to function properly
- **Water Plant Investment**
  - Projects include electrical improvements, re-build of high lift pumps, water intake inspections
  - Projects are analyzed using a risk-based assessment to determine necessary upgrades and updates for water plant
- **Water Meter Replacement Program**
  - 9,000 meters throughout Village
  - Estimated to replace 600 meters in 2021
  - Since 2016, Village has reduced percent of meters older than 15 years which improves accuracy

# Budget Schedule

---

