

*Water
Utility*

CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2021—2025 PROJECT YEARS

Well Rehabilitation

Department: Water Utility

Reference Number: 360-01-206

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Maintain a reliable municipal water supply system.

PROJECT DESCRIPTION: Remove and inspect the motor, column pipe, shaft, pump and associated parts of the well. Replace all parts as necessary in order to maintain good well production. Project includes wire brushing and chemically cleaning the well and aquifer. Well rehabilitations are determined by evaluating the performance and yield of each of our five groundwater wells every year.

PROJECT JUSTIFICATION: Well requires rehabilitation to ensure maximum production, extend life of well and reduce need for future well construction.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost	\$70,000	\$60,000	\$60,000	\$60,000	\$60,000
Less Disposals					
NET COST	\$70,000	\$60,000	\$60,000	\$60,000	\$60,000

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2021—2025 PROJECT YEARS

Well Rehabilitation

Reference Number: 360-01-206

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric				
Water			\$310,000	Retained Earnings
Sanitary Sewer				
Equipment				
Engineering/Arch.				
Force Labor				
Contingencies				
TOTAL PROJECT			\$310,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3	X	X
4		
Scheduled	2021	2021



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2021 PROJECT YEAR

East Lincoln Avenue Watermain Replacement

Department: Water Utility

Reference Number: 360-15-301

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Increase water pressure, fire protection and improve water system reliability on East Lincoln Avenue. Properly abandon the water main on South Wilson Avenue.

PROJECT DESCRIPTION: Replace approximately 1,700 linear feet of 6" watermain with an 8" watermain on East Lincoln Avenue between Harker Avenue and South Wilson Avenue. Abandon the water main on South Wilson Avenue between East Monroe Avenue and East Lincoln Avenue.

PROJECT JUSTIFICATION: The Lincoln Avenue water main in this area has a history of failures and replacement will improve system reliability while increasing water pressure and fire protection for our customers in this area. The water main on South Wilson Avenue is inaccessible and was taken out of service many years ago due to the leaks on this main which was likely due to improper installation. This main is not needed as a result of adjacent water main maintenance projects and new water mains installed in this area. This replacement is coordinated with the street reconstruction project.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost	\$342,000				
Less Disposals					
NET COST	\$342,000				

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2021 PROJECT YEAR

East Lincoln Avenue Watermain Replacement

Reference Number: 360-15-301

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Lighting				
Water	1700 L.F.	\$195	\$331,500	Retained Earnings
Sanitary Sewer				
Equipment				
Engineering/Arch.			\$5,000	Retained Earnings
Force Labor				
Contingencies			\$5,500	Retained Earnings
TOTAL PROJECT			\$342,000	

PRIORITY		
Priority	Prior Year	Current Year
3	X	X
Scheduled	2021	2021



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2021—2029 PROJECT YEARS

Water Meter Replacement Program 50%

Department: Water Utility

Reference Number: 360-16-303

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Replace all commercial, industrial and residential water meters.

PROJECT DESCRIPTION: There are two parts to a complete water meter—the water module which has a battery and electronically collects, stores and sends monthly usage, and the meter chamber which measures the water used. The new modules will use advanced metering infrastructure (AMI) system as Hartford Electric. All water meter chambers will be replaced with a new plastic or low-lead brass housing.

PROJECT JUSTIFICATION: The Public Service Commission requires all water meters to be replaced within 20 years of the original installation date. The batteries in the water meter modules are near the end of their expected life of 15-20 years. The EPA has reduced the amount of lead allowable in brass fittings and meters, therefore, all brass meter chambers must be replaced.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost	\$80,000	\$80,000	\$75,000	\$75,000	\$75,000
Less Disposals					
NET COST	\$80,000	\$80,000	\$75,000	\$75,000	\$75,000

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2021—2029 PROJECT YEARS

Water Meter Replacement Program 50%

Reference Number: 360-16-303

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric				
Water Meters (2020-2029)	5452		\$685,000	Retained Earnings
Sanitary Sewer				
Equipment				
Engineering/Arch.				
Force Labor				
Contingencies				
TOTAL PROJECT			\$685,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2	X	X
3		
4		
Scheduled	2021	2021



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2021 PROJECT YEAR

HADC Industrial Park Land Development Phase I

Department: Water Utility

Reference Number: 360-19-315

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Construct new watermain for the Phase I portion of this project.

PROJECT DESCRIPTION: Construct new 12" watermain from the west end of Innovation Way to the north end of Western Drive.

PROJECT JUSTIFICATION: There has been some interest to develop the HADC land in the industrial park. Watermain will need to be extended to serve any future development.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost	\$498,000				
Less Disposals					
NET COST	\$498,000				

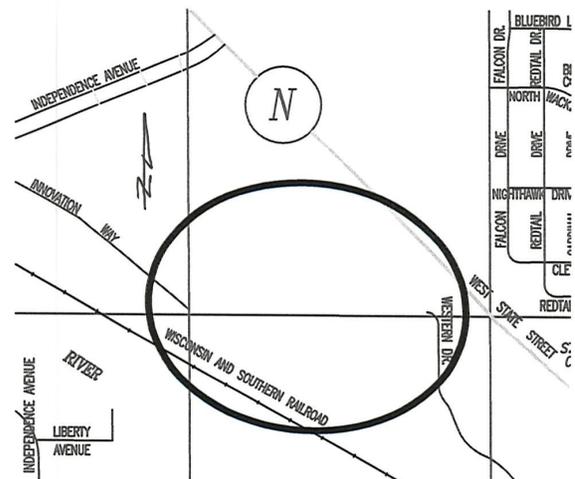
Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

HADC Industrial Park Land Development Phase I

Reference Number: 360-19-315

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric				
Water (linear feet, 10")	2750	\$148	\$407,000	TID 12
Sanitary Sewer				
Equipment				
Engineering/Arch.			\$10,000	TID 12
Force Labor				
Contingencies			\$81,000	TID 12
TOTAL PROJECT			\$498,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3	X	X
4		
Scheduled	2020	2021



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2021 PROJECT YEAR

Water Tower Fence Replacement

Department: Water Utility

Reference Number: 360-20-317

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Maintain security at each water tower site.

PROJECT DESCRIPTION: Replace approximately 340 linear feet of chain link fence at the High Street water tower with an 8' high, commercial grade fence.

PROJECT JUSTIFICATION: The existing chain link fence is very old. Fence posts are rusty and showing visible signs of age.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost	\$32,000				
Less Disposals					
NET COST	\$32,000				

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2021 PROJECT YEAR

Water Tower Fence Replacement

Reference Number: 360-20-317

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement			\$32,000	Retained Earnings
Water				
Sanitary Sewer				
Equipment				
Contingencies				
TOTAL PROJECT			\$32,000	

PRIORITY		
Priority	Prior Year	Current Year
3	X	X
Scheduled	2021	2021



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2021 PROJECT YEAR

Pickup Truck Replacement #404

Department: Water Utility

Reference Number: 360-20-318

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Maintain a safe and reliable fleet of utility vehicles.

PROJECT DESCRIPTION: Purchase a new, full size 1-ton truck with a utility body, extended cab and 4-wheel drive.

PROJECT JUSTIFICATION: This truck is used by Water Utility staff to complete daily tasks, respond to emergency calls and haul equipment on service calls and water main breaks. This truck is getting older and significant repairs to this vehicle have become more frequent in recent years. The larger truck with a utility body will allow for more tools and equipment to be stored on the vehicle which will improve efficiency. In 2021, this truck will be 17 years old.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost	\$60,000				
Less Disposals	(\$1,000)				
NET COST	\$59,000				

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2021 PROJECT YEAR

Pickup Truck Replacement #404

Reference Number: 360-20-318

Cost	Per Unit	Total
Purchase Price		\$60,000
Annual Rent		
Installation		
Other Costs		
TOTAL COSTS		\$60,000

Estimated Equipment Usage	
5	Hours Per Day
5	Average Days Per Week
48	Weeks Per Year
20	Years in Service
\$3,000	Annual Capital Cost

Revenue Sources	
Tax Levy	
GO Debt	
Special Assessments	
Trust/Donations	
Grants/Aids	
Fund Balance	\$59,000
Other Revenues	\$1,000
TOTAL SOURCES	\$60,000

Inventory and Replacement	
Similar Items in Inventory	0
Items Replaced	0
Age of Items	
Down Time	
Down Cost	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3	X	X
4		
Scheduled	2024	2021



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2021 PROJECT YEAR

Water System Master Plan Update

Department: Water Utility

Reference Number: 360-21-321

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Update pressures, flow rates at supply wells and the capacities of our water storage facilities in the Hartford water system.

PROJECT DESCRIPTION: Work with an engineering company to study and analyze the water system pressure and fire flow capacity of the municipal water system. Water supply wells and storage facilities (towers/reservoirs) will be evaluated to ensure the water system meets current and future needs and peak day demands.

PROJECT JUSTIFICATION: A comprehensive master plan will guide staff to properly plan and budget for the expansion of the water system. The plan will evaluate new data, project future demands and develop recommendations for system improvements to maintain an adequate level of water service to our current and future utility customers.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost	\$50,000				
Less Disposals					
NET COST	\$50,000				

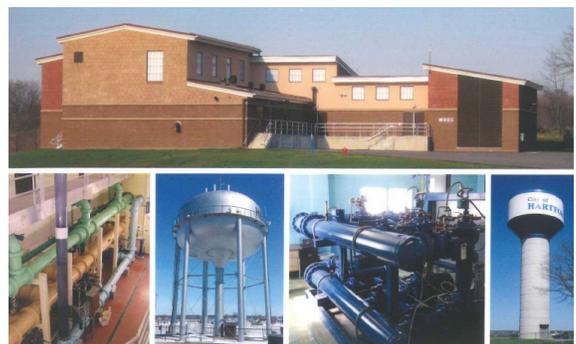
Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2021 PROJECT YEAR

Water System Master Plan Update

Reference Number: 360-21-321

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Storm Sewer				
Lighting				
Electric				
Water				
Sanitary Sewer				
Equipment				
Engineering/Arch.			\$50,000	Retained Earnings
Force Labor				
Contingencies				
TOTAL PROJECT			\$50,000	



PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3		X
4		
Scheduled		2021

Water Utility Master Plan

HARTFORD WATER UTILITY
CITY OF HARTFORD, WISCONSIN



Building a Better World
for All of Us®
Engineers | Architects | Planners | Scientists

CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2021 PROJECT YEAR

Utility Asset Management Software Upgrade

Department: Water Utility

Reference Number: 360-21-322

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Purchase new asset management software program.

PROJECT DESCRIPTION: The new asset management system would be capable of tying field assets to the financial system. The software would have the ability to produce all reports and documentation needed to maintain accurate utility records.

PROJECT JUSTIFICATION: The new system would improve efficiencies by eliminating the duplication of data entries into multiple software programs. Staff from the Finance Department and Utility Operations would work from a centralized database that would encompass work orders, inventory and purchase orders. The new software would allow all staff to track work order flow from start to finish.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost	\$100,000				
Less Disposals					
NET COST	\$100,000				

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

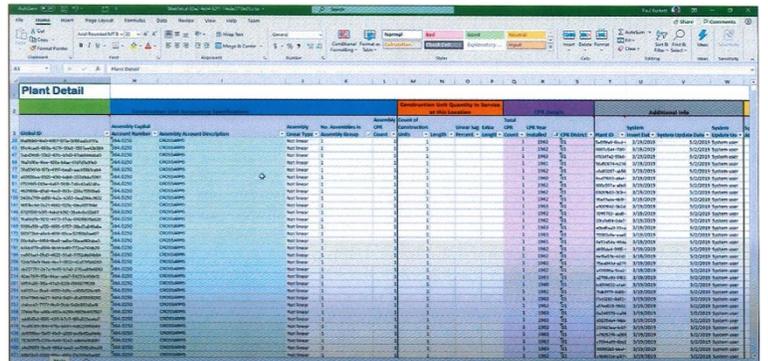
CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2021 PROJECT YEAR

Utility Asset Management Software Upgrade

Reference Number: 360-21-322

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric				
Water			\$100,000	Retained Earnings
Sanitary Sewer				
Equipment				
Engineering/Arch.				
Force Labor				
Contingencies				
TOTAL PROJECT			\$100,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3		X
4		
Scheduled		2021



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2022 PROJECT YEAR

Harker Avenue Watermain Replacement

Department: Water Utility

Reference Number: 360-12-289

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Increase water pressure, fire protection and improve water system reliability on Harker Avenue.

PROJECT DESCRIPTION: Replace approximately 1,600 linear feet of the existing 6" watermain with an 8" watermain on Harker Avenue between East Monroe Avenue and Lincoln Avenue.

PROJECT JUSTIFICATION: Replacement allows for increased water pressure and fire protection and promotes system reliability for the area. The watermain is aging and has had numerous water breaks in the past. This project is coordinated with the road reconstruction project.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost		\$322,000			
Less Disposals					
NET COST		\$322,000			

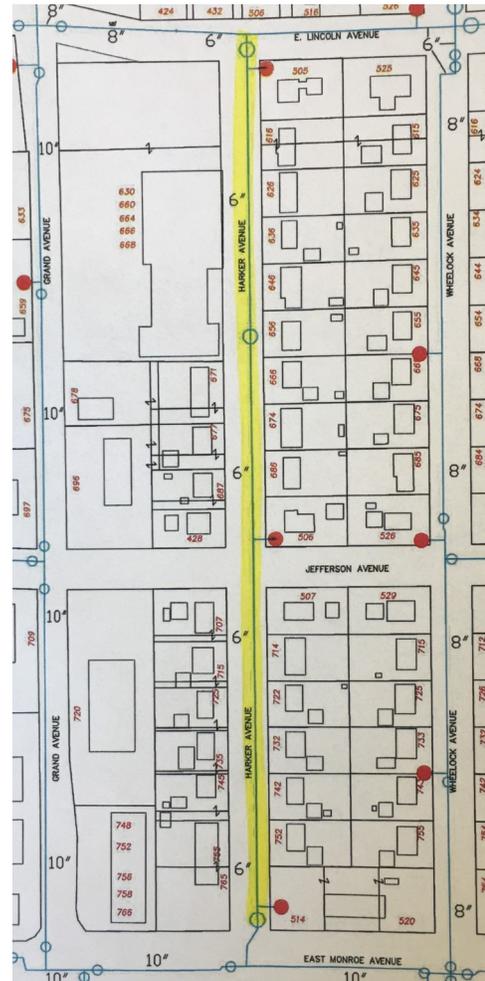
Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

Harker Avenue Watermain Replacement

Reference Number: 360-12-289

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Electric				
Water	1600 L.F.	\$195	\$312,000	Retained Earnings
Equipment				
Engineering/Arch.			\$5,000	Retained Earnings
Force Labor				
Contingencies			\$5,000	Retained Earnings
TOTAL PROJECT			\$322,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3	X	X
4		
Scheduled	2022	2022



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2022 PROJECT YEAR

Pickup Truck Replacement #214

Department: Water Utility

Reference Number: 360-21-323

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Maintain a safe and reliable fleet of utility vehicles.

PROJECT DESCRIPTION: Replace the existing full size 3/4 ton pickup truck used by Hartford Electric staff with a new 1-ton, four-wheel drive, dump truck with an aluminum dump box and drop down sides.

PROJECT JUSTIFICATION: The existing pickup truck will be 20 years old in 2022. Replacing this truck with a small dump truck will allow the water and electric staff to become more versatile and efficient when working at different jobs. The expense and use of this truck will be shared evenly between Hartford Electric and the Water Utility.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost		\$31,000			
Less Disposals		(\$1,000)			
NET COST		\$30,000			

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2022 PROJECT YEAR

Pickup Truck Replacement #214

Reference Number: 360-21-323

Cost	Per Unit	Total
Purchase Price		\$31,000
Annual Rent		
Installation		
Other Costs		
TOTAL COSTS		\$31,000

Estimated Equipment Usage	
3	Hours Per Day
3	Average Days Per Week
48	Weeks Per Year
20	Years in Service
\$1,550	Annual Capital Cost

Revenue Sources	
Tax Levy	
GO Debt	
Special Assessments	
Trust/Donations	
Grants/Aids	
Fund Balance	\$30,000
Other Revenues	\$1,000
TOTAL SOURCES	\$31,000

Inventory and Replacement	
Similar Items in Inventory	1 7400 dump truck
Items Replaced	0
Age of Items	13 years in 2022
Down Time	<1 day/year
Down Cost	< \$500

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3		X
4		
Scheduled		2022



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2023 PROJECT YEAR

South Main Street Watermain Replacement

Department: Water Utility

Reference Number: 360-15-300

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Increase water pressure and fire protection and improve water system reliability on South Main Street.

PROJECT DESCRIPTION: Replace approximately 1,250 linear feet of 6" watermain with an 8" watermain on South Main Street starting approximately 350 feet south of Lincoln Avenue and ending at Monroe Avenue.

PROJECT JUSTIFICATION: Replacement allows for increased water pressure and fire protection and promotes system reliability for the area. This section of watermain is old and has broken numerous times in the past. This replacement is coordinated with the street reconstruction project.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost			\$254,000		
Less Disposals					
NET COST			\$254,000		

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

South Main Street Watermain Replacement

Reference Number: 360-15-300

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Storm Sewer				
Water	1250 L.F.	\$195	\$243,750	Retained Earnings
Equipment				
Engineering/Arch.			\$5,000	Retained Earnings
Force Labor				
Contingencies			\$5,250	Retained Earnings
TOTAL PROJECT			\$254,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3	X	X
4		
Scheduled	2023	2023



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2024 PROJECT YEAR

West Rossman Street Watermain Replacement

Department: Water Utility

Reference Number: 360-01-213

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Increase water pressure and fire protection and improve water system reliability on West Rossman Street.

PROJECT DESCRIPTION: Replace approximately 500 linear feet of 4" watermain and 600 linear feet of 6" watermain with an 8" watermain on West Rossman Street between Elm Street and Center Street.

PROJECT JUSTIFICATION: Replacement allows for increased water pressure and fire protection and promotes system reliability for the area. This section of watermain has broken numerous times in the past and the DNR code requires the replacement of all 4" watermains. This replacement is coordinated with the street reconstruction project.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost				\$225,000	
Less Disposals					
NET COST				\$225,000	

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2024 PROJECT YEAR

East Wisconsin Street Watermain Replacement

Department: Water Utility

Reference Number: 360-05-262

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Increase water pressure, fire protection and improve water system reliability on East Wisconsin Street.

PROJECT DESCRIPTION: Replace approximately 600 linear feet of 6" watermain with an 8" watermain on East Wisconsin Street between Fifth Street and Sixth Street.

PROJECT JUSTIFICATION: Replacement allows for increased water pressure and fire protection and promotes system reliability for the area. This replacement is coordinated with the street reconstruction project.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost				\$127,000	
Less Disposals					
NET COST				\$127,000	

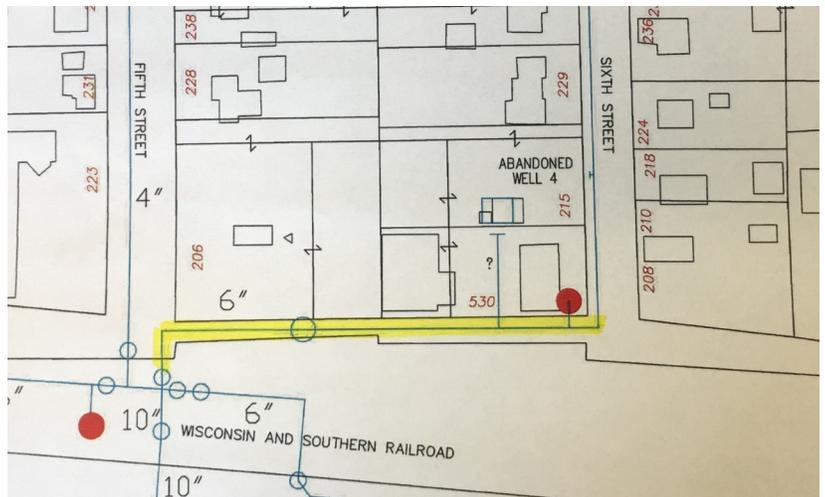
Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

East Wisconsin Street Watermain Replacement

Reference Number: 360-05-262

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric				
Water	600 L.F.	\$195	\$117,000	Retained Earnings
Sanitary Sewer				
Equipment				
Engineering/Arch.			\$5,000	Retained Earnings
Force Labor				
Contingencies			\$5,000	Retained Earnings
TOTAL PROJECT			\$127,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3	X	X
4		
Scheduled	2023	2024



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2024 PROJECT YEAR

East Loos Street Watermain Replacement

Department: Water Utility

Reference Number: 360-19-314

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Increase water pressure, fire protection and improve water system reliability on East Loos Street.

PROJECT DESCRIPTION: Replace approximately 600 linear feet of 4" watermain with an 8" watermain on East Loos Street between Wheelock Avenue and East Avenue.

PROJECT JUSTIFICATION: Replacement allows for increased water pressure and fire protection for the area and promotes system reliability for the area. This section of watermain is old and has broken numerous times in the past. This project is coordinated with a street resurfacing project.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost				\$127,000	
Less Disposals					
NET COST				\$127,000	

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2024 PROJECT YEAR

East Loos Street Watermain Replacement

Reference Number: 360-19-314

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Electric				
Water	600 L.F.	\$195	\$117,000	Retained Earnings
Equipment				
Engineering/Arch.			\$5,000	Retained Earnings
Force Labor				
Contingencies			\$5,000	Retained Earnings
TOTAL PROJECT			\$127,000	

PRIORITY		
Priority	Prior Year	Current Year
3	X	X
Scheduled	2024	2024



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2024 PROJECT YEAR

Utility Building Roof Replacement 50%

Department: Water Utility

Reference Number: 360-20-319

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Maintain the integrity of the Utility Operations Center.

PROJECT DESCRIPTION: Replace the existing flat, single-ply roof on the warehouse and garage area of the Utility Building with a new roof system.

PROJECT JUSTIFICATION: In 2024, the roof will be 23 years old and it has developed a few leaks over the last number of years. While the leaks have been small, the contractor making the repairs recommended replacement in the next 4-7 years.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost				\$60,000	
Less Disposals					
NET COST				\$60,000	

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2024 PROJECT YEAR

Utility Building Roof Replacement 50%

Reference Number: 360-20-319

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Electric				
Buildings			\$60,000	Retained Earnings
Equipment				
Engineering/Arch.				
Force Labor				
Contingencies				
TOTAL PROJECT			\$60,000	

PRIORITY		
Priority	Prior Year	Current Year
3	X	X
Scheduled	2024	2024



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2024 PROJECT YEAR

Utility Building Flooring Replacement 50%

Department: Water Utility
Division: Water Utility

Reference Number: 360-20-320
Fund: Water Utility

PROJECT OBJECTIVE: Maintain the integrity of the Utility Operations Center.

PROJECT DESCRIPTION: Remove and replace the existing carpet and tile in the office area of the Utility Building with new carpet and tile.

PROJECT JUSTIFICATION: In 2024, the flooring will be 23 years old. The flooring is showing signs of wear and is nearing the end of its useful life.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost				\$16,000	
Less Disposals					
NET COST				\$16,000	

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

Utility Building Flooring Replacement 50%

Reference Number: 360-20-320

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Electric				
Buildings			\$16,000	Retained Earnings
Equipment				
Engineering/Arch.				
Force Labor				
Contingencies				
TOTAL PROJECT			\$16,000	

PRIORITY		
Priority	Prior Year	Current Year
3	X	X
Scheduled	2024	2024



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2025 PROJECT YEAR

Backhoe Replacement (50%)

Department: Water Utility

Reference Number: 360-21-324

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Maintain a safe and reliable fleet of excavation equipment for Hartford Electric and the Water Utility.

PROJECT DESCRIPTION: Purchase a new compact mini excavator with rubber tracks, full 360 degree rotation and an offset boom for digging in tight locations.

PROJECT JUSTIFICATION: The existing Caterpillar Backhoe will be 23 years old in 2025. Replacing this unit with a smaller, compact mini excavator will allow for a more versatile and diverse feet of excavating equipment. The small excavator would reduce landscape damage when digging services, maintaining curb boxes, etc. More developments and projects are completed without the assistance of contractors in Hartford and Slinger and this mini excavator would make the projects more efficient. The expense and use of this excavator will be shared evenly between Hartford Electric and the Water Utility.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost					\$40,000
Less Disposals					(\$8,000)
NET COST					\$32,000

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2025 PROJECT YEAR

Backhoe Replacement (50%)

Reference Number: 360-21-324

Cost	Per Unit	Total
Purchase Price		\$40,000
Annual Rent		
Installation		
Other Costs		
TOTAL COSTS		\$40,000

Estimated Equipment Usage	
3	Hours Per Day
3	Average Days Per Week
40	Weeks Per Year
23	Years in Service
\$1,739	Annual Capital Cost

Revenue Sources	
Tax Levy	
Long Term Debt	
Special Assessments	
Trust/Donations	
Grants/Aids	
Fund Balance	\$32,000
Other Revenues	\$8,000
TOTAL SOURCES	\$40,000

Inventory and Replacement	
Similar Items in Inventory	2
Items Replaced	1
Age of Items	Case 16 years; Mini X 7 years
Down Time	None
Down Cost	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3		X
4		
Scheduled		2025



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2025 PROJECT YEAR

Honeysuckle Road Watermain Replacement

Department: Water Utility

Reference Number: 360-21-325

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Increase water pressure, fire protection and improve water system reliability on Honeysuckle Road.

PROJECT DESCRIPTION: Replace approximately 1,900 linear feet of 8" watermain on Honeysuckle Road between Lone Oak Lane and a point approximately 300 feet west of Sell Drive.

PROJECT JUSTIFICATION: Replacement will increase reliability, water pressure and fire protection for the area. This project is coordinated with a street reconstruction project.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost					\$381,000
Less Disposals					
NET COST					\$381,000

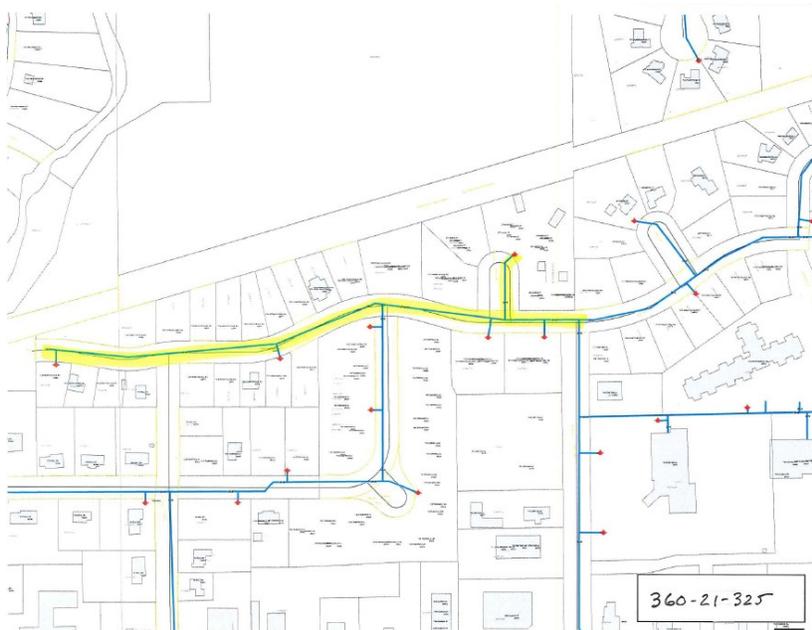
Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

Honeysuckle Road Watermain Replacement

Reference Number: 360-21-325

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Electric				
Water	1900 L.F.	\$195	\$370,500	Retained Earnings
Equipment				
Engineering/Arch.			\$5,000	Retained Earnings
Force Labor				
Contingencies			\$5,500	Retained Earnings
TOTAL PROJECT			\$381,000	

PRIORITY		
Priority	Prior Year	Current Year
3		X
Scheduled		2025



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2025 PROJECT YEAR

Pickup Truck Replacement #405

Department: Water Utility

Reference Number: 360-21-326

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Maintain a safe and reliable fleet of utility vehicles.

PROJECT DESCRIPTION: Purchase a new full size 1-ton truck with a utility body, extended cab and 4-wheel drive.

PROJECT JUSTIFICATION: This truck is used by Water Utility staff to complete daily tasks, respond to emergency calls and haul equipment on service calls and water main breaks. This truck is getting older and maintenance costs for this vehicle are beginning to increase. The larger truck with a utility body will allow for more tools and equipment to be stored on the vehicle which will improve efficiency. In 2025, this truck will be over 20 years old.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost					\$60,000
Less Disposals					(\$1,000)
NET COST					\$59,000

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2025 PROJECT YEAR

Pickup Truck Replacement #405

Reference Number: 360-21-326

Cost	Per Unit	Total
Purchase Price		\$60,000
Annual Rent		
Installation		
Other Costs		
TOTAL COSTS		\$60,000

Estimated Equipment Usage	
5	Hours Per Day
5	Average Days Per Week
48	Weeks Per Year
20	Years in Service
\$3,000	Annual Capital Cost

Revenue Sources	
Tax Levy	
Long Term Debt	
Special Assessments	
Trust/Donations	
Grants/Aids	
Fund Balance	\$59,000
Other Revenues	\$1,000
TOTAL SOURCES	\$60,000

Inventory and Replacement	
Similar Items in Inventory	1
Items Replaced	1
Age of Items	4 years
Down Time	1 week/year
Down Cost	None

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3		X
4		
Scheduled		2025