

*Electric
Utility*

CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2021 PROJECT YEAR

Church Street Area Rebuild

Department: Electric Utility

Reference Number: 380-13-311

Division: Electric Utility

Fund: Electric Utility

PROJECT OBJECTIVE: Improve system reliability in the Church Street area.

PROJECT DESCRIPTION: Replace all poles, conductors and transformers on Church Street between Branch Street and Grand Avenue; South Street and Teddy Avenue. Rebuild will be upgraded to meet the current construction standards.

PROJECT JUSTIFICATION: Poles in the area are aging and replacement will promote system reliability.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost	\$190,000				
Less Disposals					
NET COST	\$190,000				

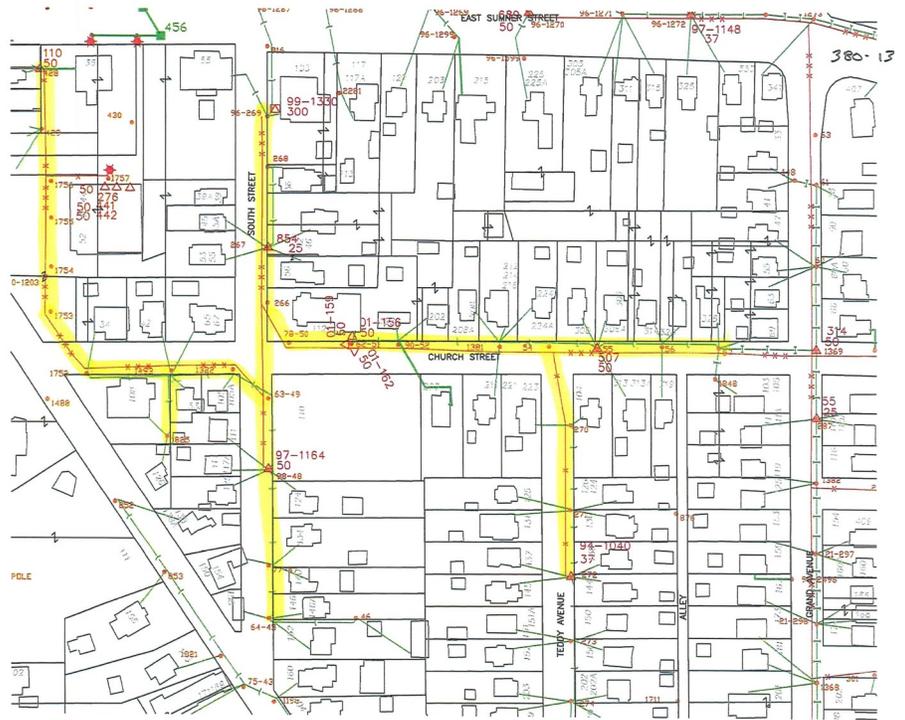
Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0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

CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2021 PROJECT YEAR

Church Street Area Rebuild
Reference Number: 380-13-311

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Lighting				
Electric	3000 L.F.		\$185,000	Retained Earnings
Engineering/Arch.				
Force Labor				
Contingencies			\$5,000	Retained Earnings
TOTAL PROJECT			\$190,000	

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



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2021 PROJECT YEAR

Electric Meter Replacement Program

Department: Electric Utility

Reference Number: 380-16-319

Division: Electric Utility

Fund: Electric Utility

PROJECT OBJECTIVE: Collect and validate electric usage data from industrial, commercial and residential customers to provide an accurate bill.

PROJECT DESCRIPTION: Continue replacing residential automatic meter reading (AMR) electric meters with a new meter using Advanced Metering Infrastructure technology (AMI). This is the final year of the meter replacement program.

PROJECT JUSTIFICATION: Meter replacement provides a more efficient manner of collecting meter data and it provides checks and balances to ensure billing accuracy.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost	\$128,000				
Less Disposals					
NET COST	\$128,000				

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

Electric Meter Replacement Program
Reference Number: 380-16-319

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric Meters (2020-2021)	1728		\$128,000	Retained Earnings
Water				
Sanitary Sewer				
Equipment				
Engineering/Arch.				
Force Labor				
Contingencies				
TOTAL PROJECT			\$128,000	

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



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2021 PROJECT YEAR

Voltage Conversion Upgrade Hwy U

Department: Electric Utility

Reference Number: 380-18-328

Division: Electric Utility

Fund: Electric Utility

PROJECT OBJECTIVE: Improve system reliability for the area.

PROJECT DESCRIPTION: Replace insulators and transformers on the existing overhead power line along Highway U from the Airport Road Substation at Highway U and Cleveland Avenue to the Municipal Airport.

PROJECT JUSTIFICATION: This project, in conjunction with the voltage conversion project on Western Drive/West State Street, allows for the elimination of the Airport Substation. Upon completion of the project, the utility will gain a spare substation transformer.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost	\$235,000				
Less Disposals					
NET COST	\$235,000				

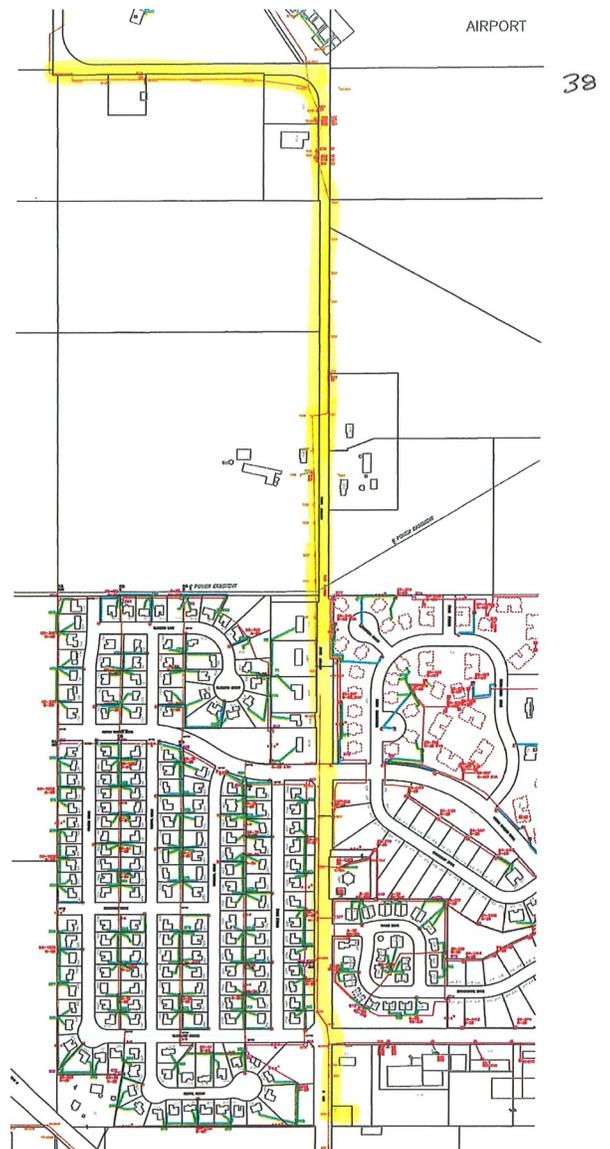
Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0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

CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2021 PROJECT YEAR

Voltage Conversion Upgrade Hwy U

Reference Number: 380-18-328

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Lighting				
Electric	1400 L.F.		\$230,000	Retained Earnings
Engineering/Arch.				
Force Labor				
Contingencies			\$5,000	Retained Earnings
TOTAL PROJECT			\$235,000	



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

CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2021 PROJECT YEAR

Electric Infrastructure Extension for TID #12

Department: Electric Utility

Reference Number: 380-20-339

Division: Electric Utility

Fund: Electric Utility

PROJECT OBJECTIVE: Add electric infrastructure in the HADC Industrial Park land development area.

PROJECT DESCRIPTION: Install new underground cable, junction boxes and switches in the area between Innovation Way, Independence Avenue, Western Drive and Highway N to provide electric service to the edge of all new lots.

PROJECT JUSTIFICATION: Growth in the HADC Industrial Park dictates the need to extend electric service to this area with facilities capable of supplying power to the area and also serving as a back-up to the existing circuits. This project is included in TID #12.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost	\$250,000				
Less Disposals					
NET COST	\$250,000				

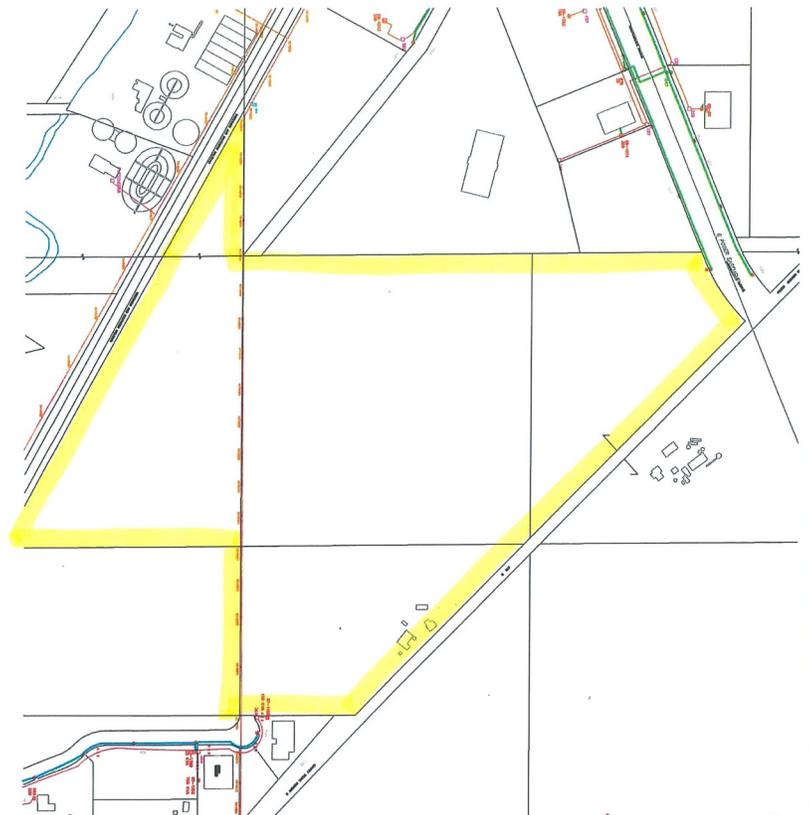
Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0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

CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2021 PROJECT YEAR

Electric Infrastructure Extension for TID #12

Reference Number: 380-20-339

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Lighting				
Electric			\$245,000	TID #12
Engineering/Arch.				
Force Labor				
Contingencies			\$5,000	TID #12
TOTAL PROJECT			\$250,000	



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

CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2021 PROJECT YEAR

West Monroe Avenue Circuit Extension

Department: Electric Utility

Reference Number: 380-20-341

Division: Electric Utility

Fund: Electric Utility

PROJECT OBJECTIVE: Improve system reliability on the west side of Hartford.

PROJECT DESCRIPTION: Directionally drill two new sections of underground primary cable along the north side of Monroe Avenue from Cedar Street to Willow Lane.

PROJECT JUSTIFICATION: The Utility uses a 4,000 volt and 25,000 volts system to serve our customers. One of the new sections of cable would replace an older cable on the 4,000 volt system. The other new section would create a loop and tie point on the 25,000 volt system. Replacing cable, extending circuits and creating loops all promote system reliability for the area.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost	\$200,000				
Less Disposals					
NET COST	\$200,000				

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

West Monroe Avenue Circuit Extension

Reference Number: 380-20-341

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Lighting				
Electric	2250 L.F.		\$195,000	Retained Earnings
Engineering/Arch.				
Force Labor				
Contingencies			\$5,000	Retained Earnings
TOTAL PROJECT			\$200,000	

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



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2021 PROJECT YEAR

Utility Asset Management Software Upgrade

Department: Electric Utility

Reference Number: 380-21-350

Division: Electric Utility

Fund: Electric 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

Utility Asset Management Software Upgrade

Reference Number: 380-21-350

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric			\$100,000	Retained Earnings
Water				
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
2021 PROJECT YEAR

Monroe Avenue & Wilson Avenue Rebuild

Department: Electric Utility

Reference Number: 380-21-351

Division: Electric Utility

Fund: Electric Utility

PROJECT OBJECTIVE: Improve system reliability in the Wilson Avenue area.

PROJECT DESCRIPTION: Replace existing pole at the intersection of Monroe Avenue and Wilson Avenue and replace the existing underground wires from the new pole to an existing junction located 300 feet east of the intersection.

PROJECT JUSTIFICATION: The transition from overhead to underground on the existing pole has caused unnecessary outages in recent years. Replacement following current construction standards will promote system reliability.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost	\$20,000				
Less Disposals					
NET COST	\$20,000				

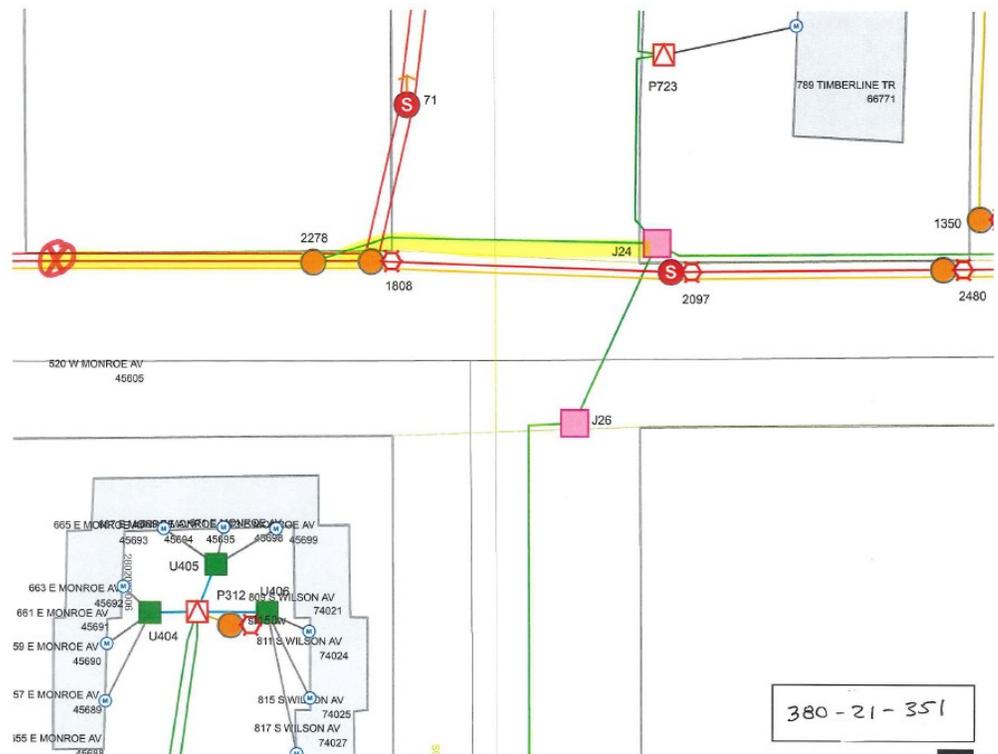
Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0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

Monroe Avenue & Wilson Avenue Rebuild

Reference Number: 380-21-351

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Lighting				
Electric	300 L.F.		\$18,000	Retained Earnings
Engineering/Arch.				
Force Labor				
Contingencies			\$2,000	Retained Earnings
TOTAL PROJECT			\$20,000	

PRIORITY		
Priority	Prior Year	Current Year
3		X
Scheduled		2021



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2022 PROJECT YEAR

Summit Street Area Rebuild

Department: Electric Utility

Reference Number: 380-16-321

Division: Electric Utility

Fund: Electric Utility

PROJECT OBJECTIVE: Improve system reliability in the Summit Street area.

PROJECT DESCRIPTION: Replace the aging poles, overhead and underground conductors and transformers along the rear lot lines of Summit Street (west side) and West Washington Avenue (west side).

PROJECT JUSTIFICATION: Poles and conductors in the area are aging and replacement will promote system reliability.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost		\$182,000			
Less Disposals					
NET COST		\$182,000			

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 (50%)

Department: Electric Utility

Reference Number: 380-18-329

Division: Electric Utility

Fund: Electric Utility

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

PROJECT DESCRIPTION: Replace the existing full size 3/4 ton pickup truck 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 (50%)

Reference Number: 380-18-329

Cost	Per Unit	Total
Purchase Price		\$30,000
Annual Rent		
Installation		
Other Costs		
TOTAL COSTS		\$30,000

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

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

Inventory and Replacement	
Similar Items in Inventory	One 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	X
4		
Scheduled	2022	2022



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2022 PROJECT YEAR

Voltage Conversion Upgrade Western Drive

Department: Electric Utility

Reference Number: 380-18-330

Division: Electric Utility

Fund: Electric Utility

PROJECT OBJECTIVE: Improve system reliability for the area.

PROJECT DESCRIPTION: Convert voltage by replacing the older underground conductors and transformers with new cables and transformers along Western Drive and State Street. Directional drilling will be used wherever possible.

PROJECT JUSTIFICATION: This project will eliminate the duplicate facilities in the area. Upon completion of the project, the utility will gain a spare transformer that can be used at other substations.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost		\$380,000			
Less Disposals					
NET COST		\$380,000			

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

Voltage Conversion Upgrade Western Drive

Reference Number: 380-18-330

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Sidewalk				
Lighting				
Electric	3000 L.F.		\$375,000	Retained Earnings
Water				
Force Labor				
Contingencies			\$5,000	Retained Earnings
TOTAL PROJECT			\$380,000	

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



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2022 PROJECT YEAR

Decommission Airport Substation

Department: Electric Utility

Reference Number: 380-18-331

Division: Electric Utility

Fund: Electric Utility

PROJECT OBJECTIVE: Improve system reliability for the area.

PROJECT DESCRIPTION: Convert voltage by replacing the older underground conductors and transformers with new cables and transformers along Cleveland Avenue. Remove the substation transformer and all other substation equipment at the Airport Substation.

PROJECT JUSTIFICATION: With the voltage conversion projects complete, this substation is no longer necessary. The substation transformer and other equipment will be used for spares at other existing substation sites.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost		\$145,000			
Less Disposals					
NET COST		\$145,000			

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

Decommission Airport Substation

Reference Number: 380-18-331

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric	1000 L.F.		\$140,000	Retained Earnings
Water				
Sanitary Sewer				
Equipment				
Engineering/Arch.				
Force Labor				
Contingencies			\$5,000	Retained Earnings
TOTAL PROJECT			\$145,000	

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



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2022 PROJECT YEAR

East Lincoln Avenue Area Rebuild

Department: Electric Utility

Reference Number: 380-19-337

Division: Electric Utility

Fund: Electric Utility

PROJECT OBJECTIVE: Improve system reliability in the Lincoln Avenue area.

PROJECT DESCRIPTION: Replace the aging poles, overhead and underground conductors and transformers along the rear lot lines of Lincoln Avenue between Grand Avenue and South Main Street. The overhead line will also be rebuilt along Evergreen Drive and Jefferson Avenue.

PROJECT JUSTIFICATION: Poles and conductors in the area are aging and replacement will promote system reliability.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost		\$182,000			
Less Disposals					
NET COST		\$182,000			

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 Lincoln Avenue Area Rebuild

Reference Number: 380-19-337

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Lighting				
Electric	3000 L.F.		\$177,000	Retained Earnings
Engineering/Arch.				
Force Labor				
Contingencies			\$5,000	Retained Earnings
TOTAL PROJECT			\$182,000	

PRIORITY		
Priority	Prior Year	Current Year
3	X	X
Scheduled	2023	2022



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2022—2025 PROJECT YEARS

Street Light Replacement Program

Department: Electric Utility

Reference Number: 380-20-343

Division: Electric Utility

Fund: Electric Utility

PROJECT OBJECTIVE: Install energy efficient street lights.

PROJECT DESCRIPTION: Replace all high pressure sodium (HPS) street lights with energy efficient LED street lights throughout the City over the next four years.

PROJECT JUSTIFICATION: LED street lights are more energy efficient than the existing HPS lights being used. Replacement will reduce expenses paid by the City for street lighting.

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

Street Light Replacement Program

Reference Number: 380-20-343

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Lighting				
Electric (street lights)	1188		\$200,000	Retained Earnings
Engineering/Arch.				
Contingencies				
TOTAL PROJECT			\$200,000	



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

CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2023 PROJECT YEAR

Pleasant Avenue Area Rebuild

Department: Electric Utility

Reference Number: 380-13-313

Division: Electric Utility

Fund: Electric Utility

PROJECT OBJECTIVE: Improve system reliability in the Pleasant Avenue area.

PROJECT DESCRIPTION: Replace all poles, conductors, and transformers on Pleasant Avenue between Grand Avenue and East Avenue. Rebuild will be upgraded to meet the current construction standards.

PROJECT JUSTIFICATION: Poles in the area are aging and replacement will promote system reliability.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost			\$110,000		
Less Disposals					
NET COST			\$110,000		

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

Pleasant Avenue Area Rebuild

Reference Number: 380-13-313

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Lighting				
Electric	2000 L.F.		\$105,000	Retained Earnings
Engineering/Arch.				
Force Labor				
Contingencies			\$5,000	Retained Earnings
TOTAL PROJECT			\$110,000	

PRIORITY		
Priority	Prior Year	Current Year
3	X	X
Scheduled	2024	2023



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2023 PROJECT YEAR

Bucket Truck Replacement #216

Department: Electric Utility

Reference Number: 380-19-336

Division: Electric Utility

Fund: Electric Utility

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

PROJECT DESCRIPTION: Purchase a new 65-foot bucket truck to replace the existing 52-foot bucket truck.

PROJECT JUSTIFICATION: In 2023, this truck will be 20 years old. As the bucket truck ages, the repair costs tend to increase significantly and become more frequent. Repairs on truck 216 are more constant now and the truck is showing visible signs of wear and tear. The most recent truck inspection report required repairs or adjustments to numerous items such as the chassis, hydraulic system, the upper boom and boom controls.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost			\$240,000		
Less Disposals			(\$10,000)		
NET COST			\$230,000		

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
2023 PROJECT YEAR

Bucket Truck Replacement #216

Reference Number: 380-19-336

Cost	Per Unit	Total
Purchase Price		\$240,000
Annual Rent		
Installation		
Other Costs		
TOTAL COSTS		\$240,000

Estimated Equipment Usage	
4	Hours Per Day
5	Average Days Per Week
52	Weeks Per Year
15	Years in Service
\$16,000	Annual Capital Cost

Revenue Sources	
Tax Levy	
Long Term Debt	
Special Assessments	
Trust/Donations	
Grants/Aids	
Fund Balance	\$230,000
Other Revenues	
TOTAL SOURCES	\$230,000

Inventory and Replacement	
Similar Items in Inventory	3
Items Replaced	1
Age of Items	8 years; 11 yrs; 17 yrs
Down Time	1 week/year
Down Cost	

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



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2023 PROJECT YEAR

McKinley Avenue Area Rebuild

Department: Electric Utility

Reference Number: 380-20-344

Division: Electric Utility

Fund: Electric Utility

PROJECT OBJECTIVE: Improve system reliability in the McKinley Avenue area.

PROJECT DESCRIPTION: Replace the aging poles, overhead and underground conductors and transformers along McKinley Avenue between Grand Avenue and East Avenue. The rebuild also includes the overhead lines between East Sumner Street and McKinley Avenue.

PROJECT JUSTIFICATION: Poles and conductors in the area are aging and replacement will promote system reliability.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost			\$112,000		
Less Disposals					
NET COST			\$112,000		

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

McKinley Avenue Area Rebuild

Reference Number: 380-20-344

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Lighting				
Electric	1850 L.F.		\$107,000	Retained Earnings
Engineering/Arch.				
Force Labor				
Contingencies			\$5,000	Retained Earnings
TOTAL PROJECT			\$112,000	

PRIORITY		
Priority	Prior Year	Current Year
3	X	X
Scheduled	2023	2023



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2023 PROJECT YEAR

West Rogers Street and West Washington Avenue Area Rebuild (East of Cedar)

Department: Electric Utility

Reference Number: 380-20-345

Division: Electric Utility

Fund: Electric Utility

PROJECT OBJECTIVE: Improve system reliability in the West Rogers Street and West Washington Avenue area.

PROJECT DESCRIPTION: Replace the aging poles, overhead and underground conductors and transformers along West Rogers Street and West Washington Avenue between South Rural Street and Cedar Street.

PROJECT JUSTIFICATION: Poles and conductors in the area are aging and replacement will promote system reliability.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost			\$130,000		
Less Disposals					
NET COST			\$130,000		

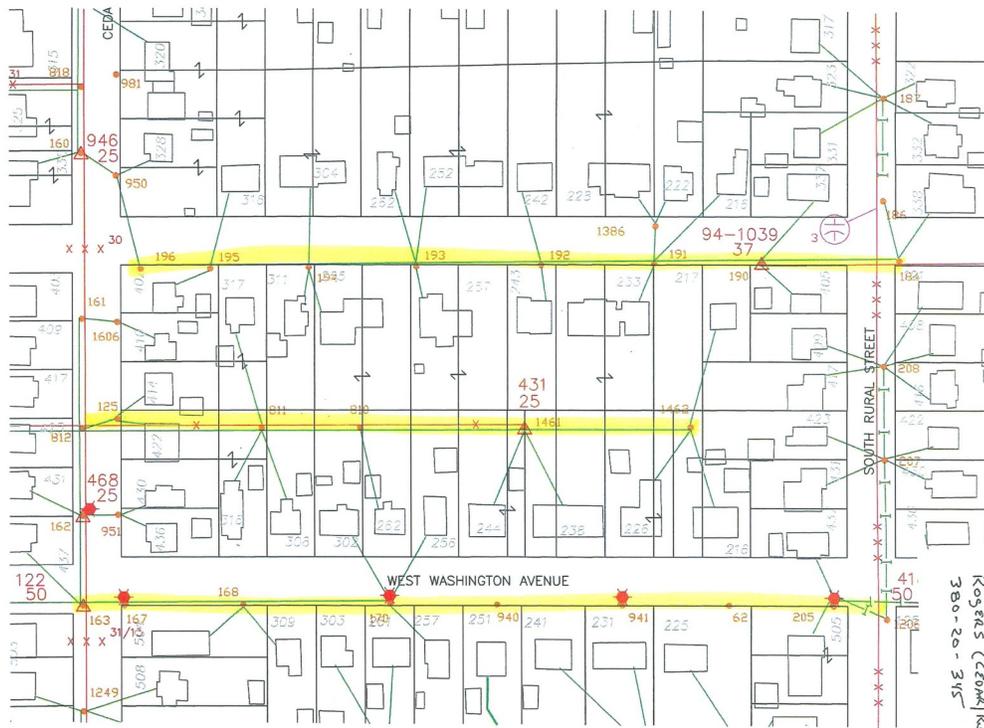
Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0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

West Rogers Street and West Washington Avenue Area Rebuild (East of Cedar)

Reference Number: 380-20-345

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Lighting				
Electric	2300 L.F.		\$125,000	Retained Earnings
Engineering/Arch.				
Force Labor				
Contingencies			\$5,000	Retained Earnings
TOTAL PROJECT			\$130,000	

PRIORITY		
Priority	Prior Year	Current Year
3	X	X
Scheduled	2024	2023



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2023 PROJECT YEAR

West Rogers Street and West Washington Avenue Area Rebuild (West of Cedar)

Department: Electric Utility

Reference Number: 380-20-346

Division: Electric Utility

Fund: Electric Utility

PROJECT OBJECTIVE: Improve system reliability in the West Rogers Street and West Washington Avenue area.

PROJECT DESCRIPTION: Replace the aging poles, overhead and underground conductors and transformers along West Rogers Street and West Washington Avenue between Summit Street and Cedar Street.

PROJECT JUSTIFICATION: Poles and conductors in the area are aging and replacement will promote system reliability.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost			\$136,000		
Less Disposals					
NET COST			\$136,000		

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
2023 PROJECT YEAR

West Rogers Street and West Washington Avenue Area Rebuild (West of Cedar)

Reference Number: 380-20-346

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Lighting				
Electric	2200 L.F.		\$131,000	Retained Earnings
Engineering/Arch.				
Force Labor				
Contingencies			\$5,000	Retained Earnings
TOTAL PROJECT			\$136,000	

PRIORITY		
Priority	Prior Year	Current Year
3	X	X
Scheduled	2024	2023



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2024 PROJECT YEAR

East Monroe Rebuild (South Main—Wilson Ave)

Department: Electric Utility

Reference Number: 380-11-291

Division: Electric Utility

Fund: Electric Utility

PROJECT OBJECTIVE: Improve system reliability on the south side of East Monroe Avenue.

PROJECT DESCRIPTION: Replace aging underground conductors and transformers on the south side of East Monroe Avenue between South Main Street and Grand Avenue and along South Wilson Avenue.

PROJECT JUSTIFICATION: Replacement promotes system reliability for the area.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost				\$327,000	
Less Disposals					
NET COST				\$327,000	

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 Monroe Rebuild (South Main—Wilson Ave)

Reference Number: 380-11-291

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Lighting				
Electric	5300 L.F.		\$322,000	Retained Earnings
Engineering/Arch.				
Force Labor				
Contingencies			\$5,000	Retained Earnings
TOTAL PROJECT			\$327,000	

PRIORITY		
Priority	Prior Year	Current Year
3	X	X
Scheduled	2023	2024



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2024 PROJECT YEAR

Prospect Street and Center Street Area Rebuild

Department: Electric Utility

Reference Number: 380-20-347

Division: Electric Utility

Fund: Electric Utility

PROJECT OBJECTIVE: Improve system reliability in the Prospect Street and Center Street area.

PROJECT DESCRIPTION: Replace the aging poles, overhead conductors and transformers along the rear lot lines of Prospect Street between Center Street and North Main Street.

PROJECT JUSTIFICATION: Poles and conductors in the area are aging and replacement will promote system reliability.

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

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%

Department: Electric Utility

Reference Number: 380-20-348

Division: Electric Utility

Fund: Electric 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 has 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

Utility Building Roof Replacement 50%

Reference Number: 380-20-348

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings			\$60,000	Retained Earnings
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric				
Water				
Sanitary Sewer				
Equipment				
Engineering/Arch.				
Force Labor				
Contingencies				
TOTAL PROJECT			\$60,000	

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



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2024 PROJECT YEAR

Utility Building Flooring Replacement 50%

Department: Electric Utility

Reference Number: 380-20-349

Division: Electric Utility

Fund: Electric 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: 380-20-349

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings			\$16,000	Retained Earnings
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric				
Water				
Sanitary Sewer				
Equipment				
Engineering/Arch.				
Force Labor				
Contingencies				
TOTAL PROJECT			\$16,000	

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



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2024 PROJECT YEAR

East Wisconsin and First Street Area Rebuild

Department: Electric Utility

Reference Number: 380-21-352

Division: Electric Utility

Fund: Electric Utility

PROJECT OBJECTIVE: Improve system reliability in the East Wisconsin and First Street area.

PROJECT DESCRIPTION: Replace the aging poles, overhead conductors and transformers along the north side of East Wisconsin Street. The project will also include the pole line on First Street between East Wisconsin Street and East State Street.

PROJECT JUSTIFICATION: Poles and conductors in the area are aging and replacement will promote system reliability.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost				\$55,000	
Less Disposals					
NET COST				\$55,000	

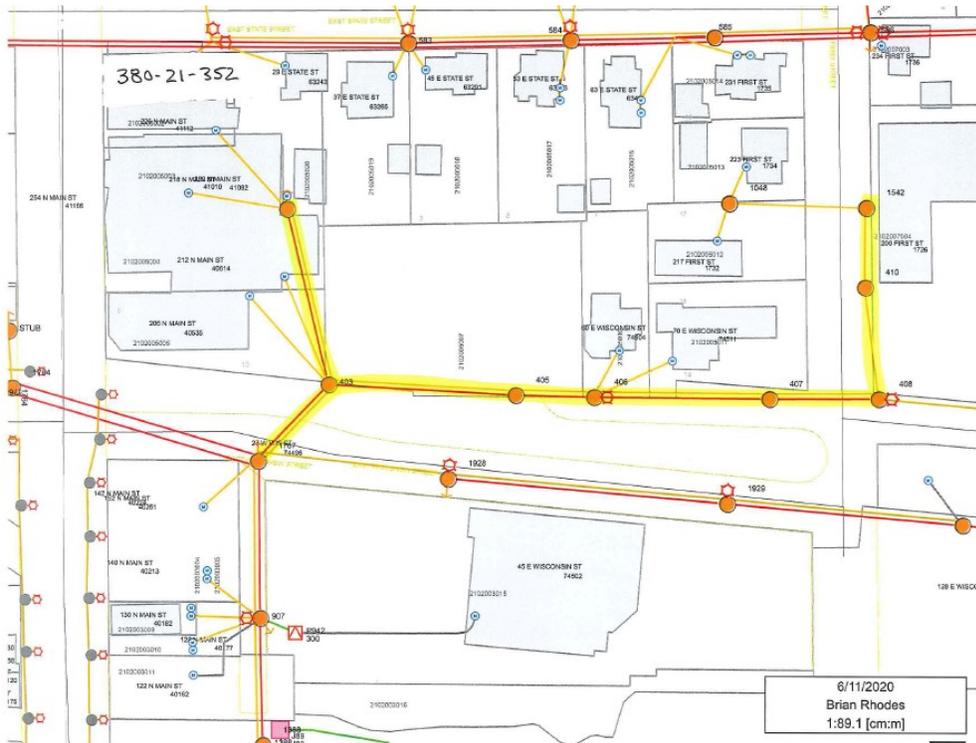
Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0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

East Wisconsin and First Street Area Rebuild

Reference Number: 380-21-352

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Lighting				
Electric	800 L.F.		\$50,000	Retained Earnings
Engineering/Arch.				
Force Labor				
Contingencies			\$5,000	Retained Earnings
TOTAL PROJECT			\$55,000	

PRIORITY		
Priority	Prior Year	Current Year
3		X
Scheduled		2024



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2024 PROJECT YEAR

South Johnson Street Area Rebuild

Department: Electric Utility

Reference Number: 380-21-353

Division: Electric Utility

Fund: Electric Utility

PROJECT OBJECTIVE: Improve system reliability in the South Johnson Street area.

PROJECT DESCRIPTION: Replace the aging poles, overhead conductors and transformers along South Johnson Street between West Sumner Street and West Lincoln Avenue. The most current construction standards will be used on this rebuild project.

PROJECT JUSTIFICATION: Poles and conductors in the area are aging and replacement will promote system reliability.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost				\$196,000	
Less Disposals					
NET COST				\$196,000	

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

South Johnson Street Area Rebuild

Reference Number: 380-21-353

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Lighting				
Electric	3745 L.F.		\$191,000	Retained Earnings
Engineering/Arch.				
Force Labor				
Contingencies			\$5,000	Retained Earnings
TOTAL PROJECT			\$196,000	

PRIORITY		
Priority	Prior Year	Current Year
3		X
Scheduled		2024



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2024 PROJECT YEAR

Bucket Truck Replacement #205

Department: Electric Utility

Reference Number: 380-21-354

Division: Electric Utility

Fund: Electric Utility

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

PROJECT DESCRIPTION: Purchase a new 65-foot bucket truck to replace the existing 65-foot bucket truck.

PROJECT JUSTIFICATION: In 2024, this truck will be 18 years old. As the bucket truck ages, the repair costs tend to increase significantly and become more frequent. Repairs on truck 205 are more constant now and the truck is showing visible signs of wear and tear. The most recent truck inspection report required repairs or adjustments to numerous items such as the chassis, man-bucket and outriggers.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost				\$240,000	
Less Disposals				(\$10,000)	
NET COST				\$230,000	

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

Bucket Truck Replacement #205

Reference Number: 380-21-354

Cost	Per Unit	Total
Purchase Price		\$240,000
Annual Rent		
Installation		
Other Costs		
TOTAL COSTS		\$240,000

Estimated Equipment Usage	
4	Hours Per Day
5	Average Days Per Week
52	Weeks Per Year
15	Years in Service
\$16,000	Annual Capital Cost

Revenue Sources	
Tax Levy	
Long Term Debt	
Special Assessments	
Trust/Donations	
Grants/Aids	
Fund Balance	\$230,000
Other Revenues	
TOTAL SOURCES	\$230,000

Inventory and Replacement	
Similar Items in Inventory	3
Items Replaced	1
Age of Items	8 years; 11 yrs; 17 yrs
Down Time	1 week/year
Down Cost	

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



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2025 PROJECT YEAR

Misty Meadows Area Rebuild

Department: Electric Utility

Reference Number: 380-11-295

Division: Electric Utility

Fund: Electric Utility

PROJECT OBJECTIVE: Improve system reliability in the Misty Meadows area.

PROJECT DESCRIPTION: Replace aging conductors and transformers along Misty Meadows Boulevard and East Avenue between McKinley Avenue and Lincoln Avenue. Directional drilling will be used whenever practical.

PROJECT JUSTIFICATION: Replacement promotes system reliability for the area.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost					\$163,000
Less Disposals					
NET COST					\$163,000

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

South Main Street & East Rogers Street Area Rebuild

Department: Electric Utility

Reference Number: 380-21-355

Division: Electric Utility

Fund: Electric Utility

PROJECT OBJECTIVE: Improve system reliability in the South Main Street and East Rogers Street area.

PROJECT DESCRIPTION: Replace the aging poles, overhead conductors and transformers along South Main Street between Branch Street and East Lincoln Avenue. This rebuild project will also include the pole line on East Rogers Avenue. The most current construction standards will be used on this rebuild project.

PROJECT JUSTIFICATION: Poles and conductors in the area are aging and replacement will promote system reliability.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost					\$168,000
Less Disposals					
NET COST					\$168,000

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

South Main Street & East Rogers Street Area Rebuild

Reference Number: 380-21-355

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Lighting				
Electric			\$163,000	Retained Earnings
Engineering/Arch.				
Force Labor				
Contingencies			\$5,000	Retained Earnings
TOTAL PROJECT			\$168,000	

PRIORITY		
Priority	Prior Year	Current Year
3		X
Scheduled		2025



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2025 PROJECT YEAR

Prospect Street & Elm Street Area Rebuild

Department: Electric Utility

Reference Number: 380-21-356

Division: Electric Utility

Fund: Electric Utility

PROJECT OBJECTIVE: Improve system reliability in the Prospect Street and Elm Street area.

PROJECT DESCRIPTION: Replace the aging poles, overhead conductors and transformers along Elm Street between Victor Drive/Spruce Street and Prospect Street. This rebuild project will also include the pole line on Prospect Street between Elm Street and Peace Lutheran Drive. The most current construction standards will be used on this rebuild project.

PROJECT JUSTIFICATION: Poles and conductors in the area are aging and replacement will promote system reliability.

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

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

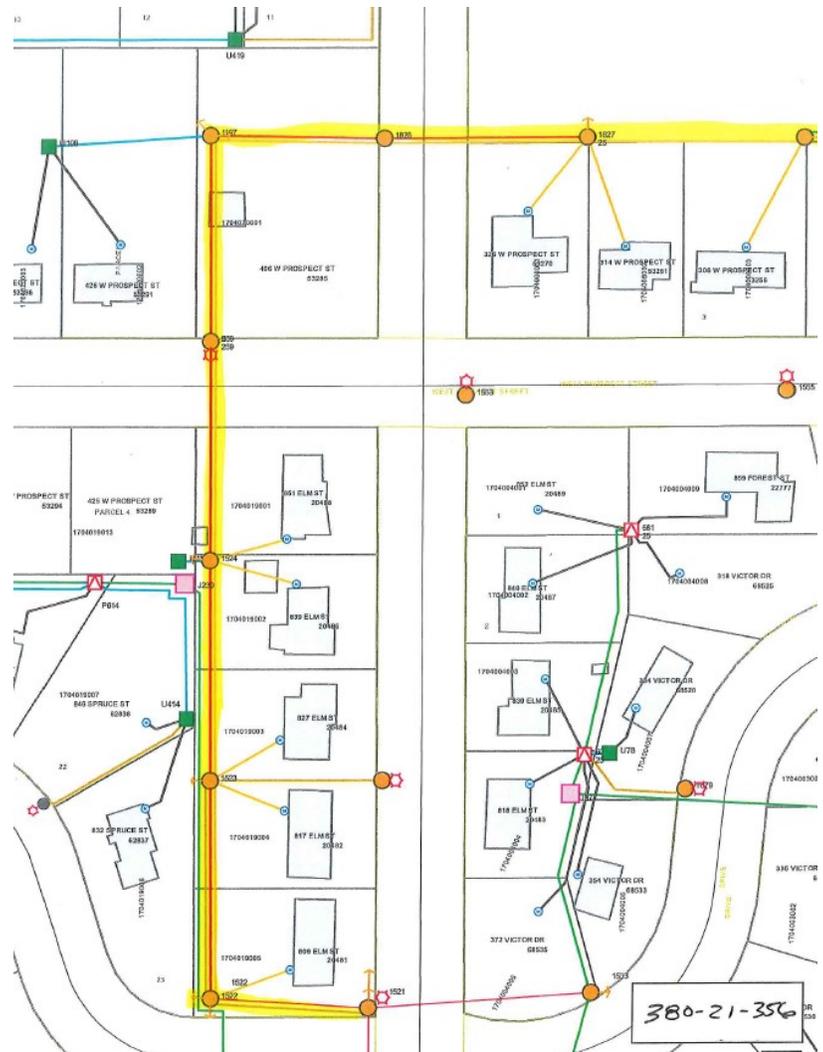
CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2025 PROJECT YEAR

Prospect Street & Elm Street Area Rebuild

Reference Number: 380-21-356

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Lighting				
Electric	1202 L.F.		\$75,000	Retained Earnings
Engineering/Arch.				
Force Labor				
Contingencies			\$5,000	Retained Earnings
TOTAL PROJECT			\$80,000	

PRIORITY		
Priority	Prior Year	Current Year
3		X
Scheduled		2025



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2025 PROJECT YEAR

Grand Avenue Area Rebuild

Department: Electric Utility

Reference Number: 380-21-357

Division: Electric Utility

Fund: Electric Utility

PROJECT OBJECTIVE: Improve system reliability in the Grand Avenue area.

PROJECT DESCRIPTION: Replace the aging poles, overhead conductors and transformers along Grand Avenue between East Sumner Street and East Lincoln Avenue. The most current construction standards will be used on this rebuild project.

PROJECT JUSTIFICATION: Poles and conductors in the area are aging and replacement will promote system reliability.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost					\$192,000
Less Disposals					
NET COST					\$192,000

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

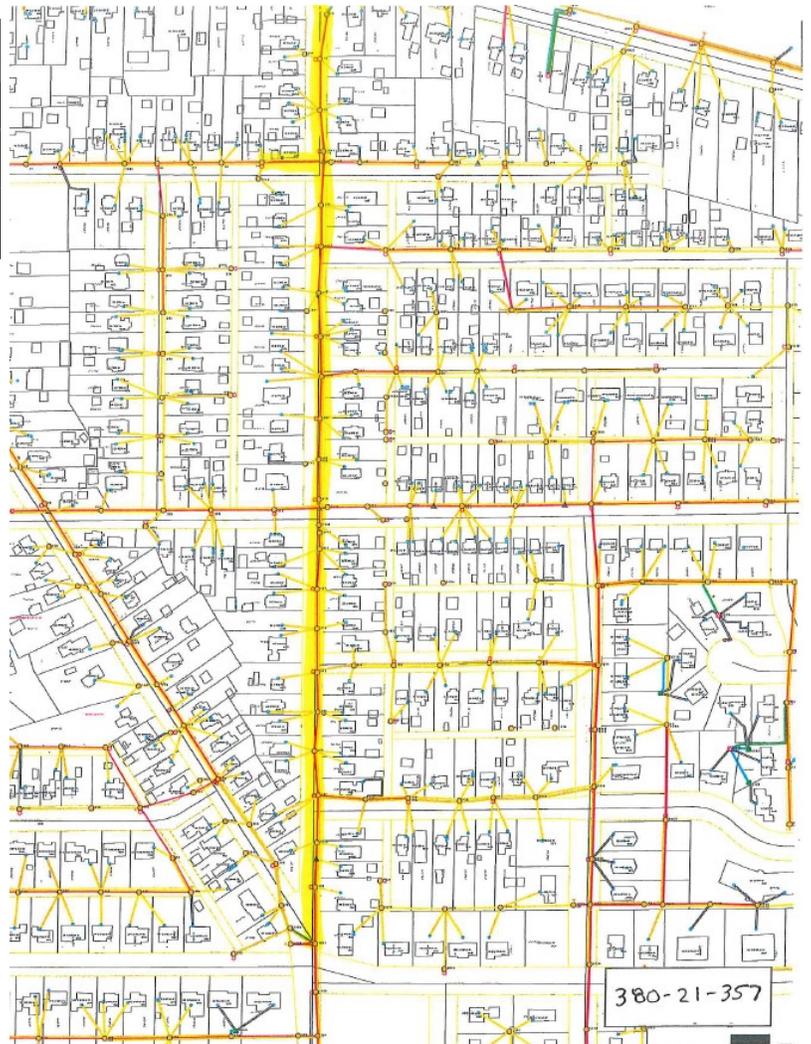
CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2025 PROJECT YEAR

Grand Avenue Area Rebuild

Reference Number: 380-21-357

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Lighting				
Electric	2374 L.F.		\$187,000	Retained Earnings
Engineering/Arch.				
Force Labor				
Contingencies			\$5,000	Retained Earnings
TOTAL PROJECT			\$192,000	

PRIORITY		
Priority	Prior Year	Current Year
3		X
Scheduled		2025



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2025 PROJECT YEAR

Backhoe Replacement (50%)

Department: Electric Utility

Reference Number: 380-21-358

Division: Electric Utility

Fund: Electric 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: 380-21-358

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	
TOTAL SOURCES	\$32,000

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

Distributed Automation/SCADA Upgrade

Department: Electric Utility

Reference Number: 380-21-359

Division: Electric Utility

Fund: Electric Utility

PROJECT OBJECTIVE: Further improve the reliability and availability of Hartford’s power distribution system by installing a system capable of making real-time adjustments to changes in the distribution system.

PROJECT DESCRIPTION: Install the key components of an automated distribution system such as Remote Terminal Units (RTU’s) and automated switches on strategic circuits and substation equipment. The first phase of this project would synchronize and communicate with the exiting automation system that will be used in Slinger.

PROJECT JUSTIFICATION: Modernizing the distribution system will improve reliability, efficiency and the performance of the overall system. When an outage occurs, automated switches will communicate, allowing for predetermined sections of the circuit to become re-energized as long as that area is unrelated to the outage. Customers will experience shorter disruptions of service and labor expenses can be reduced as this system is developed.

PROJECT YEAR:	2021	2022	2023	2024	2025
Capital Cost					\$150,000
Less Disposals					
NET COST					\$150,000

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

Distributed Automation/SCADA Upgrade

Reference Number: 380-21-359

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Lighting				
Electric			\$150,000	Retained Earnings
Engineering/Arch.				
Force Labor				
Contingencies				
TOTAL PROJECT			\$150,000	

PRIORITY		
Priority	Prior Year	Current Year
3		X
Scheduled		2025

