

*Electric
Utility*

Digger Derrick Truck

Department: Electric Utility

Reference Number: 380-13-312

Division: Electric Utility

Fund: Electric Utility

PROJECT OBJECTIVE: Maintain a safe and reliable fleet of trucks.

PROJECT DESCRIPTION: Purchase new digger derrick line truck with increased lifting capability.

PROJECT JUSTIFICATION: Due to the growth of the utility, it has become necessary to have a second digger derrick in the fleet. The workload and demand for this truck to complete projects continues to increase each year in Hartford and Slinger. The lifting capacity of the existing truck is slightly undersized and is unable to safely lift our largest transformer.

PROJECT YEAR:	2017	2018	2019	2020	2021
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	\$37,500	User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	\$3,735
Other Costs		Other Revenue	
TOTAL EXPENSES	\$37,500	TOTAL REVENUE	\$3,735

CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2017 PROJECT YEAR

Digger Derrick Truck

Reference Number: 380-13-312

Cost	Per Unit	Total
Purchase Price		\$250,000
Annual Rent		
Installation		
Other Costs		
TOTAL COSTS		\$250,000

Estimated Equipment Usage	
5	Hours Per Day
5	Average Days Per Week
52	Weeks Per Year
15	Years in Service
\$16,667	Annual Capital Cost

Revenue Sources	
Tax Levy	
Long Term Debt	
Special Assessments	
Trust/Donations	
Grants/Aids	
Fund Balance	\$250,000
Other Revenues	
TOTAL SOURCES	\$250,000

Inventory and Replacement	
Similar Items in Inventory	One, Truck 207
Items Replaced	None, will keep existing truck
Age of Items	16 years old (based on 2017)
Down Time	3 weeks/year
Down Cost	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3	X	X
4		
Scheduled	2017	2017



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2017—2021 PROJECT YEARS

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: Replace all automatic meter reading (AMR) electric meters at the industrial, commercial and residential customers with a new meter using advanced metering infrastructure technology (AMI). Data would be transferred through an existing radio and antenna system at the Bulk Substation and the Utility Operations Center. Industrial/commercial meters replaced in 2017/18, residential meters replace in 2019—2021.

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:	2017	2018	2019	2020	2021
Capital Cost	\$125,000	\$120,000	\$150,000	\$120,000	\$100,000
Less Disposals					
NET COST	\$125,000	\$120,000	\$150,000	\$120,000	\$100,000

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation	\$37,500	User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	\$3,735
Other Costs		Other Revenue	
TOTAL EXPENSES	\$37,500	TOTAL REVENUE	\$3,735

CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2017—2021 PROJECT YEARS

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	6867		\$615,000	Retained Earnings
Water				
Sanitary Sewer				
Equipment				
Engineering/Arch.				
Force Labor				
Contingencies				
TOTAL PROJECT			\$615,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3	X	X
4		
Scheduled	2017	2017



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2017 PROJECT YEAR

Proposed Hotel System Improvements

Department: Electric Utility

Reference Number: 380-17-323

Division: Electric Utility

Fund: Electric Utility

PROJECT OBJECTIVE: Convert overhead distribution facilities to an underground system in the area surrounding the proposed hotel.

PROJECT DESCRIPTION: Remove all poles, overhead conductors, and transformers on Park Street between Mill Street and Fourth Street and replace with underground conductors and equipment. A small area would also be converted to underground along East Sumner Street. The rebuild will be upgraded to meet current construction standards.

PROJECT JUSTIFICATION: The existing poles in the area are deteriorating. Updating and converting this area to an underground system will promote system reliability. This project is included in the proposed TIF.

PROJECT YEAR:	2017	2018	2019	2020	2021
Capital Cost	\$130,000				
Less Disposals					
NET COST	\$130,000				

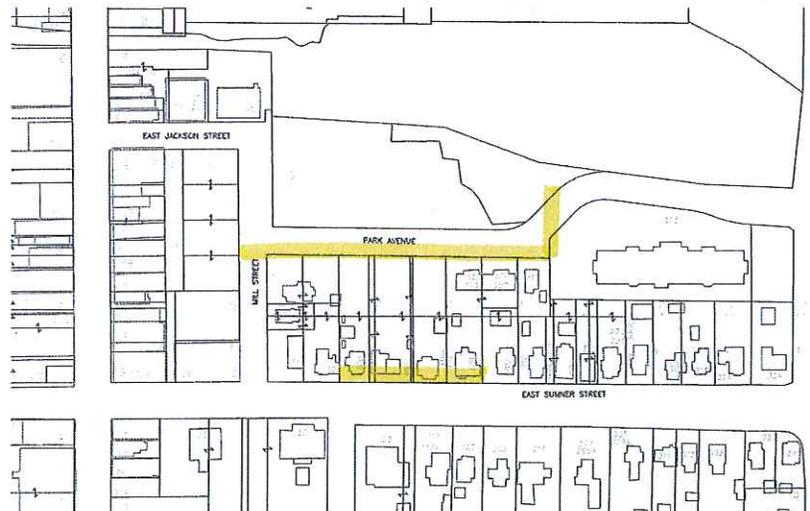
Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES		TOTAL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

CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2017 PROJECT YEAR

Proposed Hotel System Improvements
Reference Number: 380-17-323

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric	1000 L.F.		\$125,000	Retained Earnings
Water				
Sanitary Sewer				
Equipment				
Engineering/Arch.				
Force Labor				
Contingencies			\$5,000	Retained Earnings
TOTAL PROJECT			\$130,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		X
3		
4		
Scheduled		2017



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2017 PROJECT YEAR

Track-Mounted Digger Derrick Purchase

Department: Electric Utility

Reference Number: 380-17-324

Division: Electric Utility

Fund: Electric Utility

PROJECT OBJECTIVE: Add a versatile piece of equipment to the fleet for working safely and efficiently in rear lots.

PROJECT DESCRIPTION: Purchase a used track-mounted machine equipped with an auger and an aerial bucket for working in backyards and remote locations. The machine will have a minimum working height of 35 feet and will be capable of setting a 40 foot pole.

PROJECT JUSTIFICATION: A large number of rear-lot pole line rebuild projects are scheduled to be completed over the next 10-15 years and purchasing a used machine will eliminate rental fees on these projects. A compact, track mounted digger and aerial device will provide the versatility needed to complete these projects safely and efficiently. Rebuild projects planned over the next seven years will incur rental fees in excess of \$70,000. The availability for other City departments would further expand its usefulness.

PROJECT YEAR:	2017	2018	2019	2020	2021
Capital Cost	\$68,000				
Less Disposals					
NET COST	\$68,000				

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		TOTAL REVENUE	

CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2017 PROJECT YEAR

Track-Mounted Digger Derrick

Reference Number: 380-17-324

Cost	Per Unit	Total
Purchase Price		\$68,000
Annual Rent		
Installation		
Other Costs		
TOTAL COSTS		\$68,000

Estimated Equipment Usage	
5	Hours Per Day
3	Average Days Per Week
16	Weeks Per Year
15	Years in Service
\$4,533	Annual Capital Cost

Revenue Sources	
Tax Levy	
Long Term Debt	
Special Assessments	
Trust/Donations	
Grants/Aids	
Fund Balance	\$68,000
Other Revenues	
TOTAL SOURCES	\$68,000

Inventory and Replacement	
Similar Items in Inventory	0
Items Replaced	
Age of Items	
Down Time	
Down Cost	Rental fees \$3000/mo

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3		X
4		
Scheduled		2017



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2017 PROJECT YEAR

Proposed Downtown Development State Street System Improvements

Department: Electric Utility

Reference Number: 380-17-325

Division: Electric Utility

Fund: Electric Utility

PROJECT OBJECTIVE: Convert overhead distribution facilities to an underground system.

PROJECT DESCRIPTION: Remove all poles, overhead conductors, and transformers on State Street between North Johnson Street and First Street and replace with underground conductors and equipment. The rebuild will be upgraded to meet current construction standards.

PROJECT JUSTIFICATION: Converting to an underground system will enhance the area for redevelopment. This project is included in the proposed TIF.

PROJECT YEAR:	2017	2018	2019	2020	2021
Capital Cost	\$455,000				
Less Disposals					
NET COST	\$455,000				

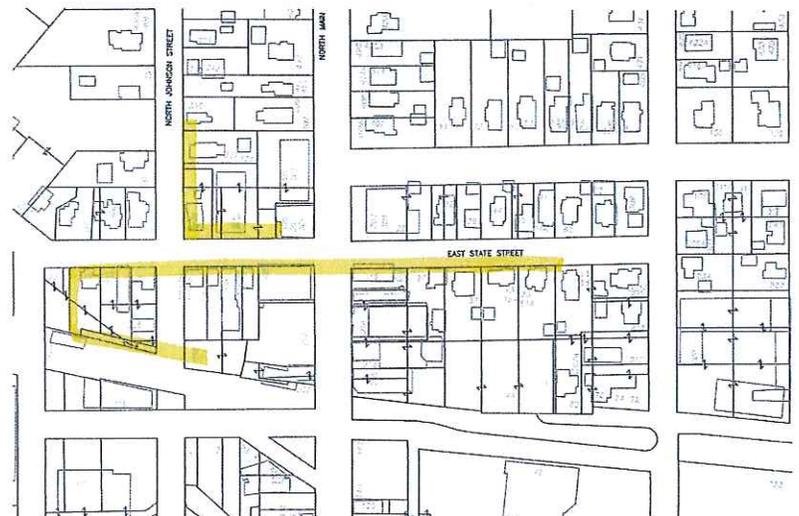
Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES		TOTAL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

CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2017 PROJECT YEAR

Proposed Downtown Development State Street System Improvements
Reference Number: 380-17-325

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric	2200 L.F.		\$450,000	Retained Earnings
Water				
Sanitary Sewer				
Equipment				
Engineering/Arch.				
Force Labor				
Contingencies			\$5,000	Retained Earnings
TOTAL PROJECT			\$455,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		X
3		
4		
Scheduled		2017



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2018 & 2019 PROJECT YEARS

Sunset/Fairview Area Reconductor

Department: Electric Utility

Reference Number: 380-11-290

Division: Electric Utility

Fund: Electric Utility

PROJECT OBJECTIVE: Improve system reliability for the area

PROJECT DESCRIPTION: In 2018 replace the aging poles, conductors and transformers along Sunset Drive and Fairview Drive between Cedar Street and Berdon Lane. Underground conductors and transformers will be replaced between Berdon Lane and Willow Lane. In 2019 underground conductors and transformers will be replaced along Willow Lane between Sunset Drive and Monroe Avenue. Directional drilling will be used when practical.

PROJECT JUSTIFICATION: Replacement will increase system reliability in the area.

PROJECT YEAR:	2017	2018	2019	2020	2021
Capital Cost		\$496,000	\$164,000		
Less Disposals					
NET COST		\$496,000	\$164,000		

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

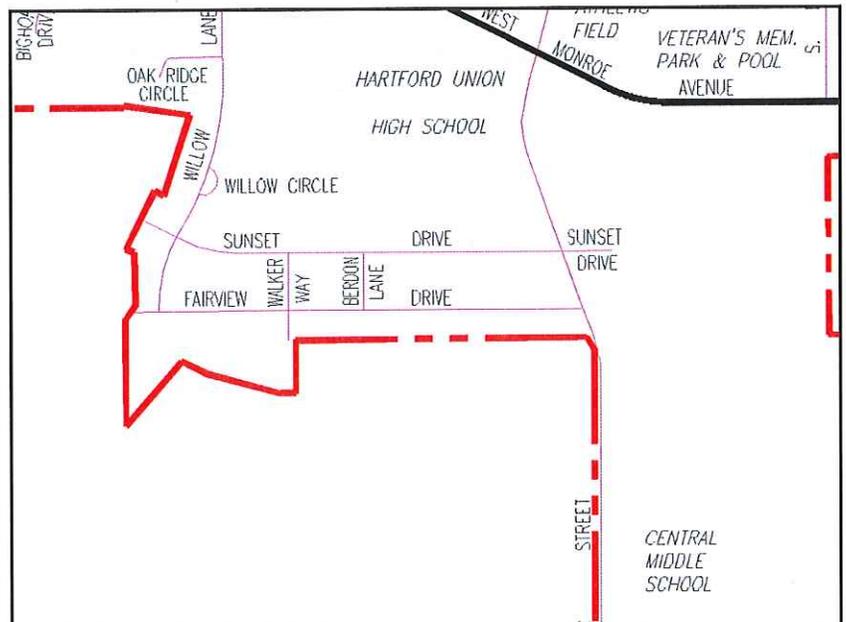
CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2018 & 2019 PROJECT YEARS

Sunset/Fairview Area Reconductor

Reference Number: 380-11-290

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric	10,800 L.F.		\$655,000	Retained Earnings
Water				
Sanitary Sewer				
Equipment				
Engineering/Arch.				
Force Labor				
Contingencies			\$5,000	Retained Earnings
TOTAL PROJECT			\$660,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3	X	X
4		
Scheduled	2017	2018



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2018 PROJECT YEAR

Pickup Truck Replacement #204

Department: Electric Utility

Reference Number: 380-16-320

Division: Electric Utility

Fund: Electric Utility

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

PROJECT DESCRIPTION: Purchase a new full size 3/4 ton pickup truck to replace the existing compact 1/4 ton pickup truck.

PROJECT JUSTIFICATION: This truck is used constantly by the Utility Technicians to collect meter data and assist the line crew. Repair and maintenance costs are beginning to increase and the truck is showing visible signs of wear and tear. In 2018, this truck will be 13 years old.

PROJECT YEAR:	2017	2018	2019	2020	2021
Capital Cost		\$29,000			
Less Disposals		(\$1,000)			
NET COST		\$28,000			

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
2018 PROJECT YEAR

Pickup Truck Replacement #204

Reference Number: 380-16-320

Cost	Per Unit	Total
Purchase Price		\$29,000
Annual Rent		
Installation		
Other Costs		
TOTAL COSTS		\$29,000

Estimated Equipment Usage	
6	Hours Per Day
5	Average Days Per Week
52	Weeks Per Year
13	Years in Service
\$2,231	Annual Capital Cost

Revenue Sources	
Tax Levy	
Long Term Debt	
Special Assessments	
Trust/Donations	
Grants/Aids	
Fund Balance	\$28,000
Other Revenues	
TOTAL SOURCES	\$28,000

Inventory and Replacement	
Similar Items in Inventory	One 3/4 ton truck
Items Replaced	One
Age of Items	9 years old
Down Time	1 week/year
Down Cost	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3	X	X
4		
Scheduled	2019	2018



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2018 PROJECT YEAR

Proposed Downtown Development Main Street Business Improvements

Department: Electric Utility

Reference Number: 380-17-326

Division: Electric Utility

Fund: Electric Utility

PROJECT OBJECTIVE: Convert overhead distribution facilities to an underground system.

PROJECT DESCRIPTION: Remove all poles, overhead conductors, and transformers located behind the downtown businesses on the east side of Main Street between East Wisconsin Avenue and East Sumner Street and replace with underground conductors and equipment. The rebuild will be upgraded to meet current construction standards.

PROJECT JUSTIFICATION: Converting to an underground system will promote reliability for the area and will also enhance the area for redevelopment. This project is included in the proposed TIF.

PROJECT YEAR:	2017	2018	2019	2020	2021
Capital Cost		\$608,000			
Less Disposals					
NET COST		\$608,000			

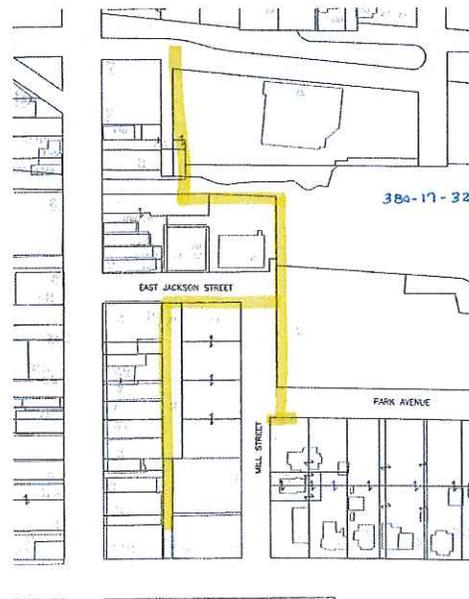
Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0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

CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2018 PROJECT YEAR

Proposed Downtown Development Main Street Business Improvements
Reference Number: 380-17-326

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric	2200 L.F.		\$603,000	Retained Earnings
Water				
Sanitary Sewer				
Equipment				
Engineering/Arch.				
Force Labor				
Contingencies			\$5,000	Retained Earnings
TOTAL PROJECT			\$608,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		X
3		
4		
Scheduled		2018



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2019 PROJECT YEAR

Pine Street Area Rebuild

Department: Electric Utility

Reference Number: 380-11-293

Division: Electric Utility

Fund: Electric Utility

PROJECT OBJECTIVE: Improve system reliability along the north and south side of Pine Street.

PROJECT DESCRIPTION: Replace all poles, conductors and transformers on Grant Street between West State Street and the railroad tracks and along the rear lot lines of Pine Street between Grant Street and Wacker Drive. Rebuild will be upgraded to meet the current construction standards.

PROJECT JUSTIFICATION: Replacement promotes system reliability for the area.

PROJECT YEAR:	2017	2018	2019	2020	2021
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

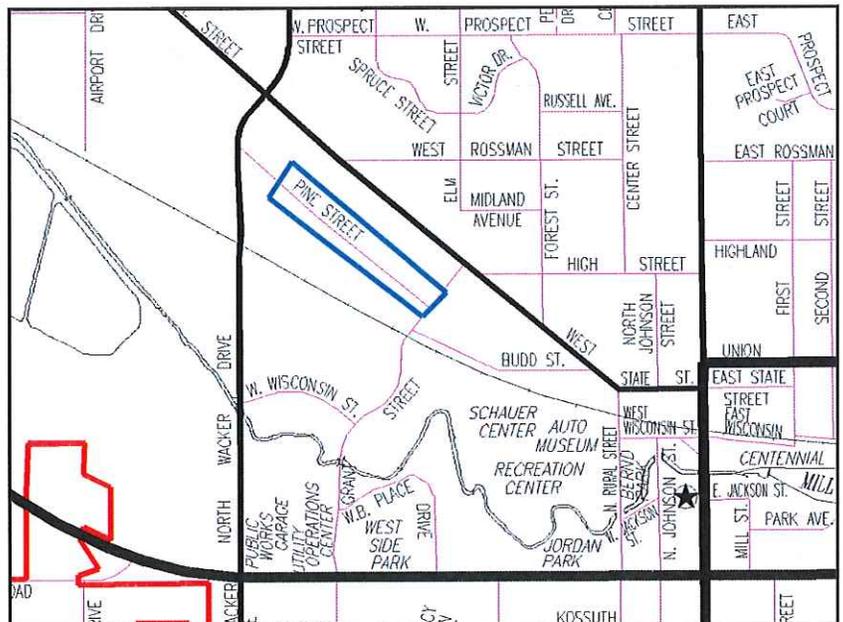
CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2019 PROJECT YEAR

Pine Street Area Rebuild

Reference Number: 380-11-293

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric	3000 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	2018	2019



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2019 PROJECT YEAR

Harrison Street & Court Drive Area Rebuild

Department: Electric Utility

Reference Number: 380-11-300

Division: Electric Utility

Fund: Electric Utility

PROJECT OBJECTIVE: Improve system reliability in the area.

PROJECT DESCRIPTION: Replace the aging poles, conductors and transformers along Court Drive, Troeller Court and Harrison Street between Birch Lane and Cedar Street. Directional drilling will be used whenever practical.

PROJECT JUSTIFICATION: Replacement promotes system reliability for the area.

PROJECT YEAR:	2017	2018	2019	2020	2021
Capital Cost			\$339,000		
Less Disposals					
NET COST			\$339,000		

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		TOTAL REVENUE	

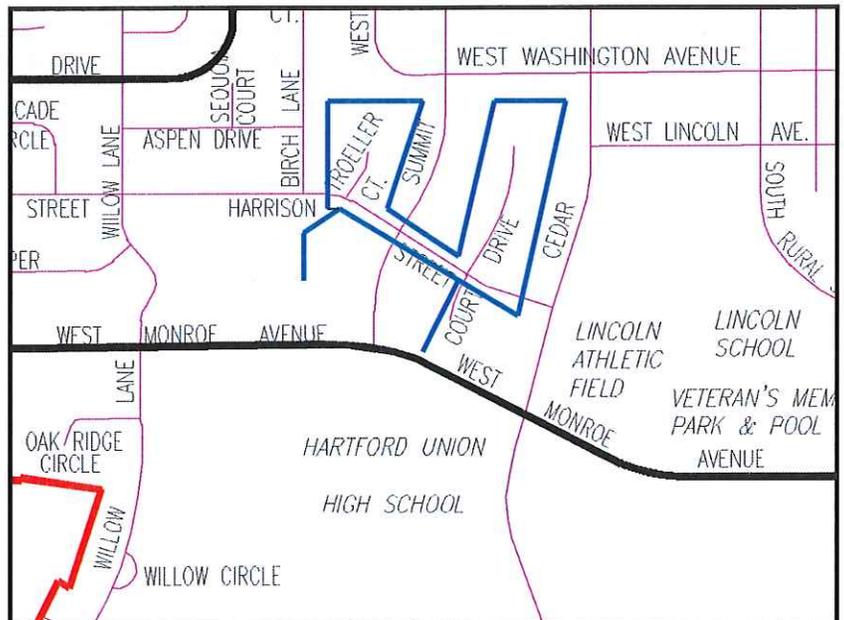
CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2019 PROJECT YEAR

Harrison Street and Court Drive Area Rebuild

Reference Number: 380-11-300

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric	6050 L.F.		\$334,000	Retained Earnings
Water				
Sanitary Sewer				
Equipment				
Engineering/Arch.				
Force Labor				
Contingencies			\$5,000	Retained Earnings
TOTAL PROJECT			\$339,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3	X	X
4		
Scheduled	2017	2019



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2020 PROJECT YEAR

Lee Road Underground Circuit Extension

Department: Electric Utility

Reference Number: 380-04-253

Division: Electric Utility

Fund: Electric Utility

PROJECT OBJECTIVE: Improve reliability of electric distribution by developing redundancy.

PROJECT DESCRIPTION: Install underground cable and equipment along Lee Road between Cedar Street and South Wilson Avenue.

PROJECT JUSTIFICATION: Extending and tying two circuits together will create a loop in the system which creates a more reliable electric system.

PROJECT YEAR:	2017	2018	2019	2020	2021
Capital Cost				\$194,000	
Less Disposals					
NET COST				\$194,000	

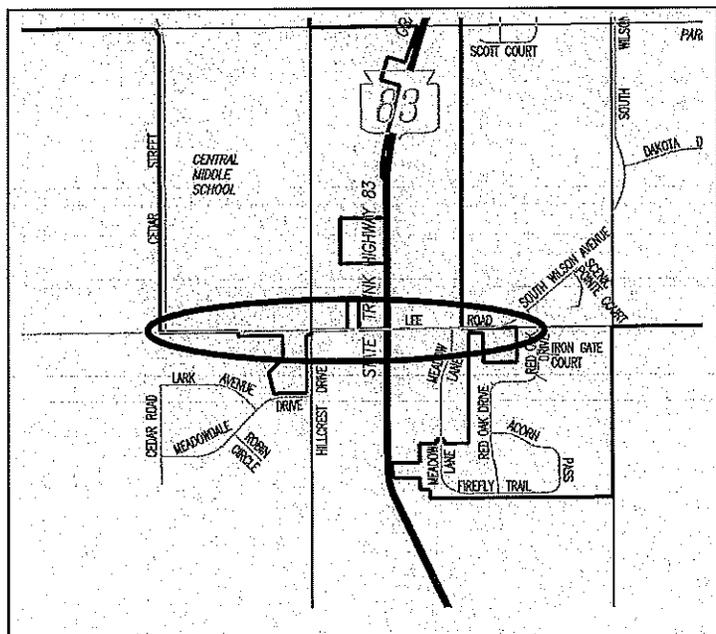
Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation	\$5,775	User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	\$2,614
Other Costs		Other Revenue	
TOTAL EXPENSES	\$5,775	TOTAL REVENUE	\$2,614

Lee Road Underground Circuit Extension

Reference Number: 380-04-253

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric	3500 L.F.		\$189,000	Retained Earnings
Water				
Sanitary Sewer				
Equipment				
Engineering/Arch.				
Force Labor				
Contingencies			\$5,000	Retained Earnings
TOTAL PROJECT			\$194,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3	X	X
4		
Scheduled	2019	2020



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2020 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 from South Main Street and Grand Avenue and along South Wilson Avenue.

PROJECT JUSTIFICATION: Replacement promotes system reliability for the area.

PROJECT YEAR:	2017	2018	2019	2020	2021
Capital Cost				\$320,000	
Less Disposals					
NET COST				\$320,000	

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

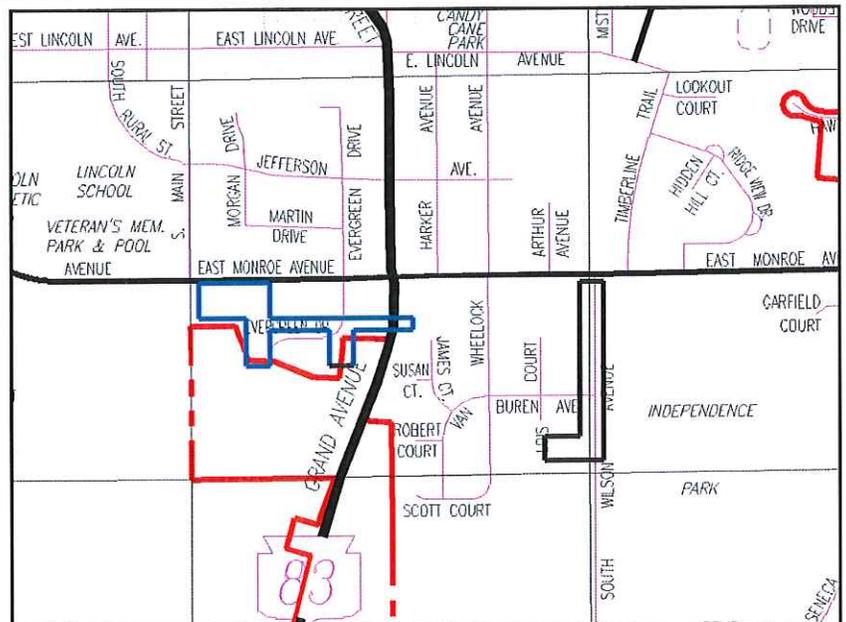
CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2020 PROJECT YEAR

East Monroe Rebuild (South Main—Wilson Ave)

Reference Number: 380-11-291

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric	5300 L.F.		\$315,000	Retained Earnings
Water				
Sanitary Sewer				
Equipment				
Engineering/Arch.				
Force Labor				
Contingencies			\$5,000	Retained Earnings
TOTAL PROJECT			\$320,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3	X	X
4		
Scheduled	2018	2020



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2020 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:	2017	2018	2019	2020	2021
Capital Cost				\$160,000	
Less Disposals					
NET COST				\$160,000	

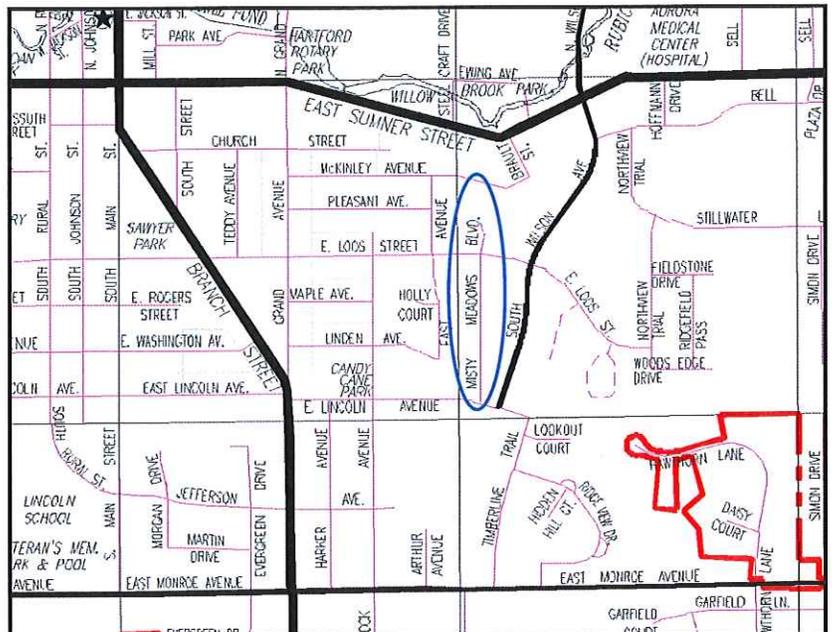
Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0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

Misty Meadows Area Rebuild

Reference Number: 380-11-295

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric	3300 L.F.		\$155,000	Retained Earnings
Water				
Sanitary Sewer				
Equipment				
Engineering/Arch.				
Force Labor				
Contingencies			\$5,000	Retained Earnings
TOTAL PROJECT			\$160,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3	X	X
4		
Scheduled	2019	2020



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2020 PROJECT YEAR

Excavator Purchase 50%

Department: Electric Utility

Reference Number: 380-16-322

Division: Electric Utility

Fund: Electric Utility

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

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

PROJECT JUSTIFICATION: A mini excavator is more versatile and allows for a more diverse fleet of excavating equipment. In addition to the standard work load, more developments and projects are completed without the assistance of contractors in Hartford and Slinger and the mini excavator would make the projects more efficient.

PROJECT YEAR:	2017	2018	2019	2020	2021
Capital Cost				\$42,000	
Less Disposals					
NET COST				\$42,000	

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
2020 PROJECT YEAR

Excavator Purchase 50%

Reference Number: 380-16-322

Cost	Per Unit	Total
Purchase Price		\$42,000
Annual Rent		
Installation		
Other Costs		
TOTAL COSTS		\$42,000

Estimated Equipment Usage	
4	Hours Per Day
5	Average Days Per Week
52	Weeks Per Year
18	Years in Service
\$2,333	Annual Capital Cost

Revenue Sources	
Tax Levy	
Long Term Debt	
Special Assessments	
Trust/Donations	
Grants/Aids	
Fund Balance	\$42,000
Other Revenues	
TOTAL SOURCES	\$42,000

Inventory and Replacement	
Similar Items in Inventory	2
Items Replaced	0
Age of Items	18 (2020); 11 (2020)
Down Time	
Down Cost	

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



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2021 PROJECT YEAR

Wacker Drive Rebuild—Abbott to West State Street

Department: Electric Utility

Reference Number: 380-11-296

Division: Electric Utility

Fund: Electric Utility

PROJECT OBJECTIVE: Improve system reliability in the area.

PROJECT DESCRIPTION: Replace the aging conductors and transformers along the east side of Wacker Drive between Abbott Avenue and West State Street. Directional drilling will be used whenever practical.

PROJECT JUSTIFICATION: Replacement promotes system reliability for the area.

PROJECT YEAR:	2017	2018	2019	2020	2021
Capital Cost					\$170,000
Less Disposals					
NET COST					\$170,000

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

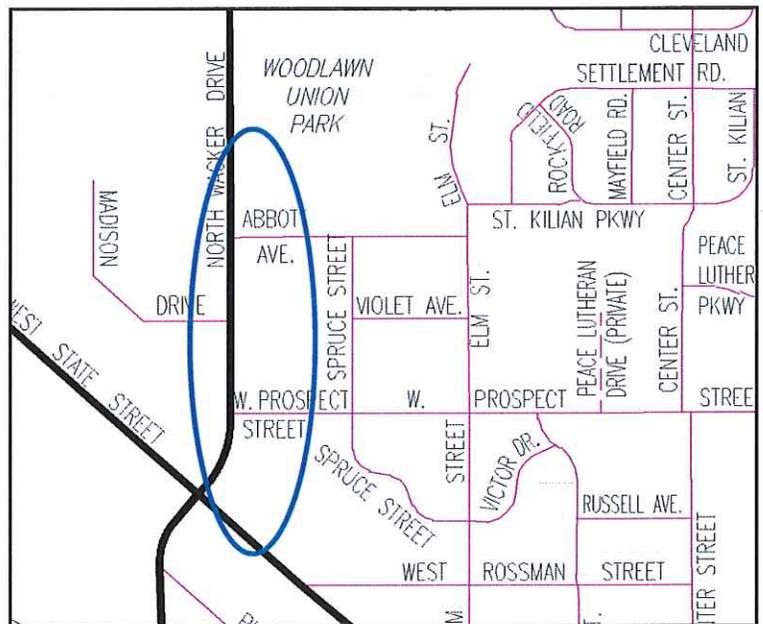
CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2021 PROJECT YEAR

Wacker Drive Rebuild—Abbott to West State Street

Reference Number: 380-11-296

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric	3500 L.F.		\$165,000	Retained Earnings
Water				
Sanitary Sewer				
Equipment				
Engineering/Arch.				
Force Labor				
Contingencies			\$5,000	Retained Earnings
TOTAL PROJECT			\$170,000	

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



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:	2017	2018	2019	2020	2021
Capital Cost					\$185,000
Less Disposals					
NET COST					\$185,000

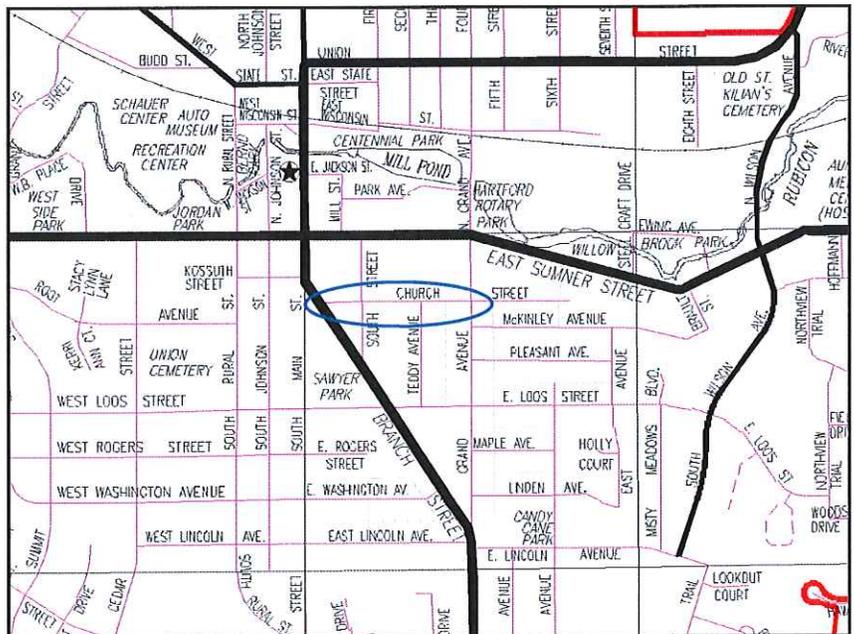
Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	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				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric	3000 L.F.		\$180,000	Retained Earnings
Water				
Sanitary Sewer				
Equipment				
Engineering/Arch.				
Force Labor				
Contingencies			\$5,000	Retained Earnings
TOTAL PROJECT			\$185,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3	X	X
4		
Scheduled	2019	2021



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2021 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:	2017	2018	2019	2020	2021
Capital Cost					\$105,000
Less Disposals					
NET COST					\$105,000

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

Circuit #22 Reconductor

Department: Electric Utility

Reference Number: 380-14-315

Division: Electric Utility

Fund: Electric Utility

PROJECT OBJECTIVE: Improve system reliability on the east side of Hartford along Highway 60.

PROJECT DESCRIPTION: Replace aging underground conductors along the railroad tracks between Wilson Avenue and Karen Court.

PROJECT JUSTIFICATION: Replacement will promote system reliability for the area.

PROJECT YEAR:	2017	2018	2019	2020	2021
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

Circuit #22 Reconstructor

Reference Number: 380-14-315

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric	2700 L.F.		\$177,000	Retained Earnings
Water				
Sanitary Sewer				
Equipment				
Engineering/Arch.				
Force Labor				
Contingencies			\$5,000	Retained Earnings
TOTAL PROJECT			\$182,000	

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

