

**2017 REQUESTED BUDGET  
CITY OF SUN PRAIRIE  
SUN PRAIRIE UTILITIES**

**MISSION STATEMENT**

Sun Prairie Utilities is owned by the people it serves. Its mission is to provide low-cost electric and water service while maintaining a high standard of service with public and employee safety a priority.

**EXECUTIVE SUMMARY**

**2016: THE MEMORABLE YEAR IN REVIEW**

**Significant Achievements**

Although it seems like this gets written in every year's capital budget narrative, this year truly was extraordinary for both electric and telecommunications. The utilities were very busy completing expansion and upgrade projects.

The electric utility saw the rebuild of its aged Bird Substation. After being reconstructed through the winter and spring, the substation was returned to service for the onset of summer in June 2016. In addition, the new Hwy 151 substation had stress fracture issues on a majority of the bottom wall panels. The load bearing to these panels was redesigned, with the panels being remanufactured and reinstalled. To date, the panels have not experienced the notable cracking issues from last year. Winter should be a good test.

In addition, Telecom constructed and marketed to the new fiber subdivision of Smith's Crossing. Evidence of success was determined from a 55% take rate for a one service fiber internet offering. It was seen as a test market and an opportunity to determine whether residents of Sun Prairie actually wanted the service, whether the utility could effectively provide the service, and ultimately a mechanism to determine whether or not to expand.

On the office side of the utility, a number of problems were experienced with the existing phone system during heavy call volumes (larger outages). Customers calling in would experience busy and non-service signals. The utility successfully implemented a new VOIP (Ring Central) phone system in August of 2016. Hopefully this will serve to drastically improve customer communication during future similar situations.

In addition, operations, accounting and mapping staff continued to successfully implement the Terra Spatial work order/inventory management system. Similarly, a replacement OSI Electric SCADA monitoring system was approved and will be fully implemented prior to the end of 2016.

**Personnel**

As with seemingly every year, the utility experienced a couple significant changes in personnel.

**Retirements:**

Doug Suchomel	Water Operator	43 years
Bobby Haseleu	Maintenance	11 years

Additions:

Tyler DeBauche	Apprentice Lineworker
Tyler Hendrickson	Meter Reader
Jake Van de Voort	Communications Technician
Brace Skogen	Maintenance

We will really miss Doug and Bobby, as they provided so much experience and positive work ethic to Sun Prairie Utilities. In addition, we welcome those new employees and hope they have long careers and prove to be great assets to SPU.

Electric Operations

In addition to the projects mentioned above, the year consisted largely of service to residential subdivisions, including Smith's Crossing, West Prairie Village, Meadow Crossing, Fox Point, Ironwood Estates, Creekview Crossing and Liberty Square. On the commercial side, crews completed service to another extension of Prairie Lakes. Relocation of street reconstruction projects electric conflicts also required major efforts. The utility continued to spend the annual \$50K on tree trimming, which really aids in maintaining exceptional system reliability.

Related to technology advancement, SPU hired a consultant, Tom Lebakken, to assist Dick Neff with the implementation of the replacement OSI electric SCADA system. The system will be an incredible asset to the operations department and is expected to be completed by the end of 2016.

Water Operations

The water crew performed its annual maintenance duties of valve operating, meter change-outs, hydrant flushing and flow tests. It also worked closely with the City and contractors on City road construction projects where replacement water main was installed.

Telecommunications

2016 was a remarkable year for Telecom, as completed the \$700K fiber internet expansion into Smith's Crossing. The efforts of everyone involved was instrumental in acquiring and retaining 55% of the homes passed. This quantified to almost 200 additional single family internet customers. In addition, City Council granted approval to extend and provide internet to the multi-family buildings in Providence subdivision. It should not go without mentioning the continued customer base growth of the existing MDU buildings served.

**2017 MAJOR PROJECTS & INITIATIVES**

Electric

- Upgrade Bird Substation's South Bay feeder to provide Business Park backup capabilities.
- Complete the feeder extension to the Walmart area.
- Providing service to all new businesses and residents moving to Sun Prairie, including the larger developments of Prairie Lakes, Menards and KollegeTown.
- Relocating conflicting electric facilities in road reconstruction project areas.
- Update of the Long-Range Electric Study, last completed in 2010.

Water

- Working doing annual maintenance duties including operating valves, changing out meters, hydrant flushing and performing flow tests for potential customers. The crew will also be monitoring and assisting with water main replacement involved with street reconstruction projects.

- The utility plans to contract the painting of Sheehan Water Tower.
- The likely onset of automated metering will involve significant efforts to perform large quantity basement water meter replacements.

### Telecommunications

- Continue to market and grow all fiber initiatives in Smith's Crossing and the MDUs, along with expanding into any newly approved subdivisions.
- Review and continue to evaluate with City Council and Commission the Fiber to the Home expansion initiatives.

### Personnel

- With the Telecom growth, there is a need to find a Network Technician to provide customer support and finely tune the new residential fiber internet infrastructure, along with mature commercial network. The utility will also be looking to hire an Engineering Technician to likely assist both the Electric and Water Departments. There is also a probably need to hire another electric lineworker apprentice.

## **2017 CAPITAL BUDGET OVERVIEW**

With last year's inclusion of the American Transmission Company investment, SPU now attempts to fund around \$2.5 million in capital projects. The utility has joined the city's general obligation debt borrowing for 2016 and 2017. Attached is a list of projects with the targeted borrowing for \$1.533M water main replacement and \$500K for automated metering. In addition, SPU will likely seek state trust fund borrowing for fiber internet expansion. All the initiatives are attached and broken out by department and type, including Electric, Metering, Office, Fleet, and Telecom.

### Electric

With the City's growth, electric will remain extremely busy serving new customers. For capital projects though and compared to past years, electric will be focused on just a couple upgrade projects. These include the \$324K Bird Substation's South Bay feeder upgrade (scheduled for 2016 but will likely extend into 2017), completion of the Walmart area feeder upgrade (\$50K) and the reliability based alternate feed to Madison-Kipp (\$75K). In addition, meter and substation technicians will be heavily involved in implementation of Automated Metering.

### Water

Based on City Road Reconstruction projects, the utility has budgeted replacement of \$1.5M of various 50 to 70 year old water main on streets including North, W Goodland, W Kohler, Kelly, Wilson, Birkinbine, W Elm, Luther, Robert and Flint. This is by far the largest single year main replacement in the utility's history. In addition, the water department will also be involved in the coordination efforts of meter replacements involved in this year's automated metering initiative.

### Metering

Automated metering is finally planned to start in 2017. Prior to getting underway, SPU must acquire a Certificate of Authority from the PSC, a PSC approved Opt-Out Tariff, and the assurance that WPPI can handle bringing our Elster meter data into the Meter Data Management System.

### Office

Only the cyclic computer replacements per the computer policy, along with replacement of our aging GPS unit and a replacement Copier/Scanner are purchase initiatives. Staff will come to Commission for approval of each of these quoted initiatives.

### Fleet

SPU is requesting \$295K worth of vehicles including replacement of skid steer (22 yrs), dump truck (19 yrs), Maintenance employee's truck (16 yrs), and meter reading car (13 yrs). In addition, the telecom expansion requires a new truck and splicing trailer for the Communications Tech.

### Telecom

Telecom's expansion budget is yet to be determined, pending Council discussion and approval. To match the Operating Budget, we selected (2) low cost areas of Providence and O'Keeffe as a placeholder of \$1.098M for expansion, along with \$100K for initiating other customer growth opportunities. In addition, there are some minor equipment initiatives listed.

Overall, the capital budget is \$5.192 million, with 76% resulting from the (4) initiatives of \$1.534M water main replacement, \$1.098M fiber internet expansion, \$742K ATC Voluntary Capital Calls and \$500K automated metering.

Capital Budget-2017

Priority	BUDGET INITIATIVES	Type	Age	2017	Cash Reserves	Borrowed
	<b>Electric</b>					
2	Electric Tools	Replace	varies	\$ 10,000	\$ 10,000	
3	ATC Voluntary Capital Calls			\$ 742,000	\$ 742,000	
3	Distribution System Additions	New		\$ 300,000	\$ 300,000	
3	Bird Substation-South Bay Feeder Upgrade	Upgrade	1962	\$ 324,000	\$ 324,000	
3	Walmart to Hwy 151 Feeder Upgrade	New		\$ 50,000	\$ 50,000	
3	Rebuild Older Overhead	Upgrade	varies	\$ 100,000	\$ 100,000	
3	Madison-Kipp Backup Feed	New		\$ 75,000	\$ 75,000	
	<b>Subtotal (Electric)</b>			<b>\$ 1,601,000</b>	<b>\$ 1,601,000</b>	<b>\$ -</b>
	<b>Water</b>					
2	Water locator	Replace		\$ 5,000	\$ 5,000	
4	Water tools	New		\$ 5,000	\$ 5,000	
	<b>Subtotal (Water - other than Water Main)</b>			<b>\$ 10,000</b>	<b>\$ 10,000</b>	<b>\$ -</b>
	<b>Water Main Replacement</b>					
3	North Street (Area 1)	Replace	1955	\$ 185,300		\$ 185,300
3	W. Goodland Street (Area 1)	Replace	1957	\$ 160,230		\$ 160,230
3	W. Kohler Street (Area 1)	Replace	1961	\$ 168,950		\$ 168,950
3	Kelly Street (Area 2)	Replace	1958	\$ 168,950		\$ 168,950
3	Wilson Street (Area 2)	Replace	1952	\$ 168,950		\$ 168,950
3	Flint Street (Area 2)	Replace	1949	\$ 174,400		\$ 174,400
3	Birkinbine Drive (Area 3)	Replace	1962	\$ 188,570		\$ 188,570
3	W. Elm Street (Area 3)	Replace	1962	\$ 130,800		\$ 130,800
3	Luther Drive (Area 3)	Replace	1962	\$ 93,740		\$ 93,740
3	Robert Drive (Area 3)	Replace	1962	\$ 93,740		\$ 93,740
	<b>Subtotal (Water)</b>			<b>\$ 1,533,630</b>	<b>\$ -</b>	<b>\$ 1,533,630</b>
	<b>Metering</b>					
3	Automated Metering Infrastructure	New		\$ 500,000		\$ 500,000
	<b>Subtotal (AMI)</b>			<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ 500,000</b>
	<b>Office</b>					
3	Office LAN Computers	Replace	2011	\$ 10,000	\$ 10,000	
3	Office: LAN Server	Replace	2011	\$ 18,000	\$ 18,000	
3	GPS unit	Replace	2009	\$ 10,000	\$ 10,000	
2	Security Key FOB System	New		\$ 40,000	\$ 40,000	
3	C253 Copier/Scanner	Replace	2008	\$ 10,000	\$ 10,000	
	<b>Subtotal (Office)</b>			<b>\$ 88,000</b>	<b>\$ 88,000</b>	<b>\$ -</b>
	<b>Fleet</b>				\$ -	
3	1995 Bobcat Loader (#76)	Replace	1995	\$ 35,000	\$ 35,000	
3	1998 Dump Truck-Ford (#82)	Replace	1998	\$ 130,000	\$ 130,000	
3	2001 Truck-Dodge Dakota (#92)	Replace	2001	\$ 30,000	\$ 30,000	

Capital Budget-2017

3	2004 Car-Ford Taurus (#10)	Replace	2004	\$ 25,000	\$ 25,000	
3	2017 Telecom Field Truck - F150 4x4	New		\$ 42,000	\$ 42,000	
3	2017 Fiber Optic Splice Trailer	New		\$ 23,000	\$ 23,000	
4	2017 Single-Reel Wire Trailer (addition)	New		\$ 10,000	\$ 10,000	
					\$ -	
	<b>Subtotal (Fleet)</b>			\$ 295,000	\$ 295,000	\$ -
	<b>Telecom</b>					
3	Core Alignment Fusion Splicer	New		\$ 11,000	\$ 11,000	
3	Live Fiber Identifier	New		\$ 1,300	\$ 1,300	
3	Optical Loss Test Set	New		\$ 2,200	\$ 2,200	
3	Speed Test Servers	New		\$ 9,500	\$ 9,500	
3	Fiber Optic Expansion	New		\$ 100,000	\$ 100,000	
3	Fiber Optic - SPASD Upgrade	New		\$ 75,000		\$ 75,000
3	Fiber To The Home Expansion	New		\$ 1,097,826		\$ 1,097,826
	<b>Subtotal (Telecom)</b>			\$ 1,296,826	\$ 124,000	\$ 1,172,826
	<b>Total</b>			\$ 5,324,456	\$ 2,118,000	\$ 3,206,456

Capital Budget-2017

Priority	BUDGET INITIATIVES	Type	Age	2017	Cash Reserves	Borrowed
	<b>Electric</b>					
2	Electric Tools	Replace	varies	\$ 10,000	\$ 10,000	
3	ATC Voluntary Capital Calls			\$ 742,000	\$ 742,000	
3	Distribution System Additions	New		\$ 300,000	\$ 300,000	
3	Bird Substation-South Bay Feeder Upgrade	Upgrade	1962	\$ 324,000	\$ 324,000	
3	Walmart to Hwy 151 Feeder Upgrade	New		\$ 50,000	\$ 50,000	
3	Rebuild Older Overhead	Upgrade	varies	\$ 100,000	\$ 100,000	
3	Madison-Kipp Backup Feed	New		\$ 75,000	\$ 75,000	
	<b>Subtotal (Electric)</b>			<b>\$ 1,601,000</b>	<b>\$ 1,601,000</b>	<b>\$ -</b>
	<b>Water</b>					
2	Water locator	Replace		\$ 5,000	\$ 5,000	
4	Water tools	New		\$ 5,000	\$ 5,000	
	<b>Subtotal (Water - other than Water Main)</b>			<b>\$ 10,000</b>	<b>\$ 10,000</b>	<b>\$ -</b>
	<b>Water Main Replacement</b>					
3	North Street (Area 1)	Replace	1955	\$ 185,300		\$ 185,300
3	W. Goodland Street (Area 1)	Replace	1957	\$ 160,230		\$ 160,230
3	W. Kohler Street (Area 1)	Replace	1961	\$ 168,950		\$ 168,950
3	Kelly Street (Area 2)	Replace	1958	\$ 168,950		\$ 168,950
3	Wilson Street (Area 2)	Replace	1952	\$ 168,950		\$ 168,950
3	Flint Street (Area 2)	Replace	1949	\$ 174,400		\$ 174,400
3	Birkinbine Drive (Area 3)	Replace	1962	\$ 188,570		\$ 188,570
3	W. Elm Street (Area 3)	Replace	1962	\$ 130,800		\$ 130,800
3	Luther Drive (Area 3)	Replace	1962	\$ 93,740		\$ 93,740
3	Robert Drive (Area 3)	Replace	1962	\$ 93,740		\$ 93,740
	<b>Subtotal (Water)</b>			<b>\$ 1,533,630</b>	<b>\$ -</b>	<b>\$ 1,533,630</b>
	<b>Metering</b>					
3	Automated Metering Infrastructure	New		\$ 500,000		\$ 500,000
	<b>Subtotal (AMI)</b>			<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ 500,000</b>
	<b>Office</b>					
3	Office LAN Computers	Replace	2011	\$ 10,000	\$ 10,000	
3	Office: LAN Server	Replace	2011	\$ 18,000	\$ 18,000	
3	GPS unit	Replace	2009	\$ 10,000	\$ 10,000	
2	Security Key FOB System	New		\$ 40,000	\$ 40,000	
3	C253 Copier/Scanner	Replace	2008	\$ 10,000	\$ 10,000	
	<b>Subtotal (Office)</b>			<b>\$ 88,000</b>	<b>\$ 88,000</b>	<b>\$ -</b>
	<b>Fleet</b>				\$ -	
3	1995 Bobcat Loader (#76)	Replace	1995	\$ 35,000	\$ 35,000	
3	1998 Dump Truck-Ford (#82)	Replace	1998	\$ 130,000	\$ 130,000	
3	2001 Truck-Dodge Dakota (#92)	Replace	2001	\$ 30,000	\$ 30,000	

Capital Budget-2017

3	2004 Car-Ford Taurus (#10)	Replace	2004	\$ 25,000	\$ 25,000	
3	2017 Telecom Field Truck - F150 4x4	New		\$ 42,000	\$ 42,000	
3	2017 Fiber Optic Splice Trailer	New		\$ 23,000	\$ 23,000	
4	2017 Single-Reel Wire Trailer (addition)	New		\$ 10,000	\$ 10,000	
					\$ -	
	<b>Subtotal (Fleet)</b>			\$ 295,000	\$ 295,000	\$ -
	<b>Telecom</b>					
3	Core Alignment Fusion Splicer	New		\$ 11,000	\$ 11,000	
3	Live Fiber Identifier	New		\$ 1,300	\$ 1,300	
3	Optical Loss Test Set	New		\$ 2,200	\$ 2,200	
3	Speed Test Servers	New		\$ 9,500	\$ 9,500	
3	Fiber Optic Expansion	New		\$ 100,000	\$ 100,000	
3	Fiber Optic - SPASD Upgrade	New		\$ 75,000		\$ 75,000
3	Fiber To The Home Expansion	New		\$ 1,097,826		\$ 1,097,826
	<b>Subtotal (Telecom)</b>			\$ 1,296,826	\$ 124,000	\$ 1,172,826
	<b>Total</b>			\$ 5,324,456	\$ 2,118,000	\$ 3,206,456

Capital Budget-Current Year

Priority	BUDGET INITIATIVES	Type	Age	2017	2018	2019	2020	2021
	<b>Electric</b>							
2	Bird Substation Rebuild	Upgrade	1962					
2	SCADA Upgrade	Upgrade	1989	\$ -				
2	Electric Tools	Replace	varies	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000
3	ATC Voluntary Capital Calls			\$ 742,000	\$ 344,500	\$ 132,500	\$ 238,500	\$ 384,252
3	Distribution System Additions	New		\$ 300,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000
3	Bird Substation-South Bay Feeder Upgrade	Upgrade	1962	\$ 324,000				
3	Walmart to Hwy 151 Feeder Upgrade	New		\$ 50,000				
4	Rebuild Older Overhead	Upgrade	varies	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	
3	Madison-Kipp Backup Feed	New		\$ 75,000				
	<b>Subtotal (Electric)</b>			<b>\$ 1,601,000</b>	<b>\$ 1,204,500</b>	<b>\$ 992,500</b>	<b>\$ 1,098,500</b>	<b>\$ 1,144,252</b>
	<b>Water</b>							
	New Well (replace Well 3)	Replace				\$ 1,000,000		
	Water locator	Replace		\$ 5,000				
	Water tools	New		\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000
	<b>Subtotal (Water - other than Water Main)</b>			<b>\$ 10,000</b>	<b>\$ 5,000</b>	<b>\$ 1,005,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>
	<b>Water Main Replacement</b>							
	North Street	Replace	1955	\$ 185,300				
	W. Goodland Street	Replace	1957	\$ 160,230				
	W. Kohler Street	Replace	1961	\$ 168,950				
	Kelly Street	Replace	1958	\$ 168,950				
	Wilson Street	Replace	1952	\$ 168,950				
	Flint Street	Replace	1949	\$ 174,400				
	Birkinbine Drive	Replace	1962	\$ 188,570				
	W. Elm Street	Replace	1962	\$ 130,800				
	Luther Drive	Replace	1962	\$ 93,740				
	Robert Drive	Replace	1962	\$ 93,740				
	E. Kohler Street	Replace	1954		\$ 114,450			
	E. Goodland Street	Replace	1954		\$ 207,100			
	Williamson Avenue	Replace	1956		\$ 130,800			
	Allen Avenue	Replace			\$ 201,650			
	Clements Avenue	Replace	1956		\$ 64,310			
	E. Hoover Street	Replace	1963		\$ 164,590			
	E. MacArthur Street	Replace	1958		\$ 327,000			
	Taft Street	Replace	1954		\$ 190,750			
	Elizabeth Lane	Replace	1966		\$ 159,140			
	Elizabeth Court	Replace	1977		\$ 69,760			
	Scheuerell Lane	Replace	1966		\$ 187,480			
	Broadway Drive	Replace	1974			\$ 5,450		
	Ernest Avenue					\$ 147,150		
	Gerald Avenue	Replace	1955			\$ 316,100		
	Clara Street					\$ 3,270		
	Buena Vista Drive	Replace	1958			\$ 365,150		
	Ruby Lane	Replace	1965			\$ 92,650		
	Vandenburg Street	Replace	1962			\$ 74,120		
	N. Pine Street	Replace	1962			\$ 141,700		
	Pine Street	Replace	1974			\$ 376,050		
	Jerico Lane	Replace	1970's			\$ 381,500		
	Buena Vista Drive	Replace	1958				\$ 425,100	
	Juniper Street	Replace	1962				\$ 316,100	
	Miller Street	Replace	1961				\$ 207,100	
	Dover Way	Replace	1962				\$ -	
	Wagner Court	Replace	1961				\$ 69,760	

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	Harvard Drive	Replace	1962					\$ -	
	Beech Court	Replace	1959					\$ 81,750	
	Schiller Street	Replace						\$ 207,100	
	Frederick Street	Replace						\$ 196,200	
	Queens Street	Replace	1962						\$ 174,400
	Ring Street	Replace	1962						\$ 174,400
	Covey Street								\$ 57,770
	Major Way	Replace	1962						\$ 65,400
	Barbara Street	Replace	1959						\$ 223,450
	Jeanne Court	Replace	1959						\$ 49,050
	Emerald Terrace	Replace	1966						\$ 635,470
	Diamond Court	Replace	1967						\$ 54,500
	Ivory Drive								\$ 245,250
	<b>Subtotal (Water)</b>				\$ 1,533,630	\$ 1,817,030	\$ 1,903,140	\$ 1,503,110	\$ 1,679,690
	<b>Metering</b>								
4	Automated Metering Infrastructure	New		\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000
	<b>Subtotal (AMI)</b>			\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000
	<b>Office</b>								
3	Office LAN Computers	Replace	2011	\$ 10,000	\$ 5,000	\$ 5,000	\$ 40,000	\$ 10,000	
3	Server	Replace	2011	\$ 18,000				\$ 18,000	
3	GPS unit	Replace	2009	\$ 10,000					
2	Security Key FOB System	New		\$ 40,000					
3	C253 Copier/Scanner	Replace	2008	\$ 10,000					
	Letter Folder/Stuffer	Replace	2008		\$ 16,000				
	ITRON handhelds(4)+MVRS	Replace	2011			\$ 20,000			
	C280 Copier/Scanner (Operations)	Replace	2011				\$ 10,000		
	<b>Subtotal (Office)</b>			\$ 88,000	\$ 21,000	\$ 25,000	\$ 50,000	\$ 28,000	
	<b>Fleet</b>								
	1995 Bobcat Loader (#76)	Replace	1995	\$ 35,000					
	1998 Dump Truck-Ford (#82)	Replace	1998	\$ 130,000					
	2001 Truck-Dodge Dakota (#92)	Replace	2001	\$ 30,000					
3	2002 Truck-Ford F-350 (#94)	Replace	2002						
	2003 Truck-GMC Sierra (#96)	Replace	2003			\$ 30,000			
	2003 Backhoe-John Deere 310 SG (#97)	Replace	2003						
	2004 Car-Ford Taurus (#10)	Replace	2004	\$ 25,000					
3	2004 Vacuum Trailer: Vac-Tec	Replace	2004						
	2005 Truck-Ford Ranger w/Topper	Replace	2005		\$ 30,000				
3	2006 Riding Mower-Bad Boy Pup	Replace	2006						
	2007 Car-Ford Focus	Replace	2007		\$ 20,000				
	2008 Truck-Ford F150	Replace	2008				\$ 42,000		
	2016 Water Truck (was in 2015 budget)	Replace	2005						
	2017 Telecom Field Truck - F150 4x4	New		\$ 42,000					
	2017 Fiber Optic Splice Trailer	New		\$ 23,000					
	2017 Single-Reel Wire Trailer (addition)	New		\$ 10,000					
	2017 Lawn Mower Trailer	Replace	2000						
	2019 Bucket Truck - use #26 cost - replaces #	Replace	2001			\$ 170,000			
	<b>Subtotal (Fleet)</b>			\$ 295,000	\$ 50,000	\$ 30,000	\$ 42,000	\$ -	
	<b>Telecom</b>								
3	Core Alignment Fusion Splicer	New		\$ 11,000					
3	Live Fiber Identifier	New		\$ 1,300					

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3	Optical Loss Test Set	New	\$ 2,200					
3	Speed Test Servers	New	\$ 7,500					
3	Fiber Optic Expansion	New	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
3	Fiber - SPASD Upgrade	New	\$ 75,000					
3	Fiber To The Home Expansion	New	\$ 1,097,826	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000
	<b>Subtotal (Telecom)</b>		<b>\$ 1,294,826</b>	<b>\$ 1,600,000</b>				
	<b>Total</b>		<b>\$ 5,322,456</b>	<b>\$ 5,192,530</b>	<b>\$ 5,050,640</b>	<b>\$ 4,793,610</b>	<b>\$ 4,951,942</b>	

**City of Sun Prairie  
Personnel Strength List and 5 Year Plan**

**Department: SUN PRAIRIE UTILITIES**

<b>POSITION</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
UTILITY MANAGER	1.00	1.00	1.00	1.00	1.00
ENGINEERING TECH	0.75	1.00	1.00	1.00	1.00
ELEC. OPERATIONS SUPERVISOR	1.00	1.00	1.00	1.00	1.00
WATER OPERATIONS SUPERVISOR	-	-	-	-	-
ACCOUNTANT	1.00	1.00	1.00	1.00	1.00
ACCOUNTING ASSISTANT	1.00	1.00	1.00	1.00	1.00
OPERATIONS ADMIN	1.00	1.00	1.00	1.00	1.00
CUSTOMER SERVICE MANAGER	1.00	1.00	1.00	1.00	1.00
LEAD LINEWORKER	1.00	2.00	2.00	2.00	2.00
JOURNEY LINEWORKER	4.00	5.00	6.00	7.00	7.00
APPRENTICE LINEWORKER	2.75	2.00	1.00	-	-
SUBSTATION TECHNICIAN	1.00	1.00	1.00	1.00	1.00
METER TECHNICIAN	1.00	1.00	1.00	1.00	1.00
LEAD WATER OPERATOR	-	1.00	1.00	1.00	1.00
WATER OPERATOR	4.00	3.00	3.00	3.00	3.00
METER READER	2.00	2.00	2.00	1.00	1.00
GIS SPECIALIST	1.00	1.00	1.00	1.00	1.00
INVENTORY CONTROL	1.00	1.00	1.00	1.00	1.00
CUST. SERVICE 1	1.00	1.00	1.00	1.00	1.00
CUST. SERVICE 2	2.50	3.00	3.00	3.00	3.00
DATA PROCESSING	2.00	2.00	2.00	2.00	2.00
BLDG. MAINT./GROUNDSKEEPER	1.00	1.00	1.00	1.00	1.00
TELECOMMUNICATIONS MANAGER	1.00	1.00	1.00	1.00	1.00
COMMUNICATIONS TECHNICIAN	1.00	2.00	2.00	2.00	2.00
NETWORK TECHNICIAN	0.75	1.00	1.00	1.00	1.00
<b>Total</b>	<b>33.75</b>	<b>37.00</b>	<b>37.00</b>	<b>36.00</b>	<b>36.00</b>

Note: In 2017, Qtr 2 - hire an Engineering Tech mid-year to perform both electric and water engineering duties, as required.

Note: In 2017, Qtr 2 - hire (1) apprentice lineworker 2nd year

Note: In 2017, Qtr 2 - hire (1) Network Technician.

Note: In 2017, the part time hours for Meg and Amanda equal 1.5 FTE

Note: In 2018 and assuming expansion of Telecom, hire (1) Communication Tech and (1) Customer Service 2.

Note: In 2018, mid-year two apprentices will become Journey Lineworkers.

# Capital Improvement Plan 2017-2021



**Project Initiative** Electric Tools

2017

**Project Number** 11 **Priority** 2

**Department** Electric **Type** Replacement

**Contact** Karl Dahl **Useful Life** 5

**Description**

The annual budget continues to be \$10K to be spent on battery operated tools provided for safety, efficiency and to reduce lineworker injuries. The types of tools that typically get purchased include crimpers, presses and cutters.

**Justification**

Our goal is to improve the safety, health, and longevity of the electric lineworker. Being a physically demanding profession, the utility attempts to reduce the exposure to workman's comp injuries and long-term health ailments (typically shoulder, back and arm).

**Financing**

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$50,000

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

**SPU Cash Reserves** \$10,000

**SPU Borrowing**

# Capital Improvement Plan 2017-2021



**Project Initiative** ATC-Voluntary Capital Calls

2017

**Project Number** 12 **Priority** 3

**Department** Electric **Type** New Addition

**Contact** Rose Schulze **Useful Life** 40

## Description

The current and 5-year budgeted amounts were received from ATC at the 2016 Shareholder Day. Annually they update owners on investments and project statuses. Typically Capital Calls are made quarterly based on project requirements and are in the range of the quarterly cash dividend received (\$744,967 expected in 2017). Members must invest in every capital call to maintain eligibility. If a member elects not to invest, WPPI will likely retain our eligibility by making the investment on our behalf. Currently Sun Prairie Utilities is a .53% owner in American Transmission Company. It should be noted that the Federal Regulatory Energy Commission will likely lower the guaranteed rate-of-return to 10 plus percent in 2017 and make it retroactive to a couple years ago. Currently, ATC is reducing the amount given to owners in an effort to proactively prepare for the likely reduction and collect for the retroactive refunding in advance.

## Justification

The justification comes from the guaranteed 12% rate of return. At this time, no investment opportunities exist that have this high rate of return or the guaranteed security. Because ATC owns and operates the entire Wisconsin electric transmission system, investments directly affect WPPI costs to bring generation power to our utility.

## Financing

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$742,000	\$344,500	\$132,500	\$238,500	\$250,999	\$1,708,499

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

<b>SPU Cash Reserves</b>	\$742,000
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<b>SPU Borrowing</b>	\$0
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# Capital Improvement Plan 2017-2021



**Project Initiative** Electric Distribution Additions

2017

**Project Number** 13 **Priority** 3

**Department** Electric **Type** New construction

**Contact** Karl Dahl **Useful Life** 40

**Description**

As the City grows, so does the electric distribution system. Although some of the required installation is covered by customers through a contribution in aid of construction, much of the new infrastructure is utility funded. The utility looks at historic trends in determining an annual budgeted amount. There is an expectation that the west side will continue to see rapid growth, along with a number of subdivisions throughout the City. The budget amount is difficult to determine, as it entirely a factor a customer growth. There are separate initiatives for specific projects including: a)Rebuilding the overhead facilities in the areas bounded by Main Street, Bird Street, Columbus Street and Hwy 151 (\$100K); b)Rebuilding Bird Substation's South Bay Feeder (\$324K); c)Finishing the Walmart to Hwy 151 Upgrade (\$50K); and d)Providing Madison-Kipp with a backup feed (\$75K).

**Justification**

Justification is based on the requirement to continue to promptly and adequately serve new customers. Sun Prairie Utilities' goal is to install and maintain a safe, reliable and cost effective network.

**Financing**

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$300,000	\$750,000	\$750,000	\$750,000		

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

**SPU Cash Reserves** \$300,000

**SPU Borrowing**

# Capital Improvement Plan 2017-2021



**Project Initiative** Electric Upgrade Bird Sub's South Bay Fd

2017

**Project Number** 14 **Priority** 3

**Department** Electric **Type** Rebuild Upgrade

**Contact** Karl Dahl **Useful Life** 40

## Description

Per the Electric Long Range Plan Project #7, the South Bay Feeder needs upgrading from the substation east along Highway 151 to Bristol Street (Guardian Industries location). The plan is to place the upgraded feeder underground with the installation of 500MCM 3-1/C aluminum primary cables. The overall distance is 4,630 feet and is estimated to cost \$70/foot.

## Justification

This project is needed to provide sufficient load transfer capabilities to the west side of the Business Park, specifically to the heavy electric load areas provided by Guardian, Thermal Spray Technologies and Colony Brands. The normal feed for these businesses will be from the Business Park Substation, but this feeder from Bird Substation will provide necessary reliability and load transfer capabilities. The utility expects Guardian Industries to be its largest electric user by sometime in 2016. It was approved in the 2015 budget, but heavy workload from the new substation and the growing west side has forced this project to move into 2016. There really is not an alternative, except to delay the project a year. By doing this, we would be potentially compromising reliability to the area of the City having our largest electric load concentration.

## Financing

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$0	\$0	\$0	\$0		

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

**SPU Cash Reserves** \$324,000

**SPU Borrowing**

# Capital Improvement Plan 2017-2021



**Project Initiative** Electric Relocate/Upgrade Walmart feed

2017

**Project Number** 15 **Priority** 3

**Department** Electric **Type** Rebuild Upgrade

**Contact** Karl Dahl **Useful Life** 40

**Description**

Per the Electric Long Range Plan Project #3, the Walmart feeder needs upgrading.backfeed to the new Hwy 151 substation. Remaining is installation of 700' 500MCM 3-1/C aluminum primary cables between Walmart and the McCoy Farm. The original budget was \$324K.

**Justification**

This project is needed to place additional load from the Walmart area onto the Hwy 151 Substation. When the new store was constructed a good portion of the work was completed.

**Financing**

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$50,000	\$0	\$0	\$0	\$0	\$50,000

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

**SPU Cash Reserves** \$50,000

**SPU Borrowing**

# Capital Improvement Plan 2017-2021



**Project Initiative** Electric Plant-Rebuild Older Ovhd

2017

**Project Number** 16 **Priority** 4

**Department** Electric **Type** Upgrade

**Contact** Karl Dahl **Useful Life** 40

**Description**

Rebuild and upgrade the older overhead distribution system bounded by Main St (south), Bird St (west), Hwy 151 (north) and Columbus St (east). The work involves utilizing our backyard machine to set new poles, string new wire, and upgrade remaining overhead facilities. This work will be completed as time permits, given new business growth encompasses a majority of the crew's time.

**Justification**

This is perfect filler work and should be completed gradually to maintain strong reliability in the overhead downtown area. It is difficult to budget for, as it heavily depends on the new business work each year. This work complements the valuable tree trimming annual maintenance.

**Financing**

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

**SPU Cash Reserves** \$100,000

**SPU Borrowing**

# Capital Improvement Plan 2017-2021



**Project Initiative** Electric Upgrade - Madison Kipp Alternat

2017

**Project Number** 17 **Priority** 3

**Department** Electric **Type** New Addition

**Contact** Karl Dahl **Useful Life** 40

**Description**

Through recent growth, Madison-Kipp has become one of our largest customers. A couple years ago when ATC took the Business Park Substation down a number of times, Kipp became concerned over the inability to switch their load onto another feeder in the event of an outage. By extending a feed from the north end of the Business Park just west of the substation, we can provide Kipp with an alternate switchable feed. The work requires installing in excess of 1000 feet of 500MCM 3-1/C aluminum primary cables at an estimated cost of \$70 per linear foot.

**Justification**

This project is needed to provide load switching capabilities to the Madison-Kipp in the Business Park. Although having an express feed from the substation, they are adversely affected during an outage affecting the entire substation. This work will be entirely to improve reliability. The purpose of this work will be not to prevent an outage, but to provide improved restoration time in the event the entire substation is down. The alternative is to do nothing and rely on ATC's normally superior transmission reliability.

**Financing**

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$75,000	\$0	\$0	\$0	\$0	\$75,000

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

**SPU Cash Reserves** \$75,000

**SPU Borrowing**

# Capital Improvement Plan 2017-2021



2017

<b>Project Initiative</b>	Water: Locator		
<b>Project Number</b>	21	<b>Priority</b>	3
<b>Department</b>	Water	<b>Type</b>	Replacement
<b>Contact</b>	Rick Wicklund	<b>Useful Life</b>	10

## Description

Water Department is responsible for locating all SPU owned water main. We have one working locator and one faulty. The department should have two working locators in case one breaks down and/or work load requires multiple employees locating. We are liable for unmarked water main if damaged by excavators.

## Justification

With the City growth, our crews do a substantial amount of locating. We need a working locator at all times, thus essentially two for service issues should one break.

## Financing

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$5,000	\$0	\$0	\$0	\$0	\$5,000

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

<b>SPU Cash Reserves</b>	\$5,000
<b>SPU Borrowing</b>	

# Capital Improvement Plan 2017-2021



2017

<b>Project Initiative</b>	Water Tools		
<b>Project Number</b>	22	<b>Priority</b>	3
<b>Department</b>	Water	<b>Type</b>	New
<b>Contact</b>	Rick Wicklund	<b>Useful Life</b>	10

**Description**

Initiative for water department to identify and purchase electric tools making performing maintenance work safer and physically less demanding, thus preventing present and future injuries.

**Justification**

CVMIC Workmans Comp claims can be reduced if tools for such things like turning valves are purchased. The electric department has an ongoing budget for battery operated tools purchases. This is an attempt to initiate the same program for the water department.

**Financing**

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$5,000	\$0	\$0	\$0	\$0	\$5,000

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

<b>SPU Cash Reserves</b>	\$5,000
<b>SPU Borrowing</b>	\$0

# Capital Improvement Plan 2017-2021



**Project Initiative** Water Main Replacement-North St

2017

**Project Number** 23 **Priority** 2

**Department** Water **Type** Replacement

**Contact** Rick Wicklund **Useful Life** 40

**Description**

Replace 950' of 6" water main along North Street from Goodland to Klubertanz. The water main was originally installed in 1955 (62 years old) and has experienced (2) breaks. The cost of the project is estimated to be \$185,300. The other 2017 projects associated with this one are W Goodland and W Kohler Streets (\$160,230 and \$168,950 respectively).

There are 3 areas of road reconstruction focus: AREA 1) North (\$185,300), Goodland (\$160,230), Kohler(\$168,950); AREA 2) Kelly (\$168,950), Wilson (\$168,950), Flint (\$174,400); and AREA 3) Birkinbine (\$188,570), W Elm (\$130,800), Luther (\$93,740) and Robert (\$93,740).

**Justification**

2 breaks in the main have occurred, with the expectation that the utility may experience more in the future. In a recent review of older water main, this was determined to be a replacement priority. With the age of the road and water infrastructure, this is a good selection for replacement. The goal is always to replace main in older areas, where the City is willing to do street reconstruction.

**Financing**

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$185,300	\$0	\$0	\$0	\$0	\$185,300

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

**SPU Cash Reserves** \$0

**SPU Borrowing** \$185,300

# Capital Improvement Plan 2017-2021



**Project Initiative** Water Main Replacement-W Goodland S

2017

**Project Number** 24 **Priority** 2

**Department** Water **Type** Replacement

**Contact** Rick Wicklund **Useful Life** 40

## Description

Replace 900' of 6" with 8" water main along W Goodland St from North St to Bristol St, The cost of the project is estimated to be \$160,230. This main has originally installed in 1957 (60 years of age) and has experienced 2 breaks and is a solid choice for both main replacement and road reconstruction. The other associated 2017 projects are North Street and W Kohler Street (\$185,300 and 168,950 respectively).

There are 3 areas of road reconstruction focus: AREA 1)North (\$185,300), Goodland (\$160,230), Kohler(\$168,950); AREA 2)Kelly (\$168,950), Wilson (\$168,950), Flint (\$174,400); and AREA 3)Birkinbine (\$188,570), W Elm (\$130,800), Luther (\$93,740) and Robert (\$93,740).

## Justification

2 breaks in the main have occurred, with the expectation that the utility may experience more in the future. In a recent review of older water main, this was determined to be a replacement priority. With the age of the road and water infrastructure, this seems like a good choice for both City Engineering and SPU. The goal is always to replace main in older areas, where the City is willing to do street reconstruction.

## Financing

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$160,230	\$0	\$0	\$0	\$0	\$160,230

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

<b>SPU Cash Reserves</b>	\$0
<b>SPU Borrowing</b>	\$160,230

# Capital Improvement Plan 2017-2021



**Project Initiative** Water Main Replacement: W Kohler St

2017

**Project Number** 25 **Priority** 4

**Department** Water **Type** New WM Install

**Contact** Rick Wicklund **Useful Life** 40

## Description

Install 975 feet of 6" with 8" water main along W kohler between North and Bristol Streets. The water main was originally installed in 1961 (56 years of age) and has experienced 1 break. The other associated project initiatives are North St and W Goodland St (\$185,300 and \$160,230 respectively).

There are 3 areas of road reconstruction focus: AREA 1)North (\$185,300), Goodland (\$160,230), Kohler(\$168,950); AREA 2)Kelly (\$168,950), Wilson (\$168,950), Flint (\$174,400); and AREA 3)Birkinbine (\$188,570), W Elm (\$130,800), Luther (\$93,740) and Robert (\$93,740).

## Justification

One break has occurred in this stretch of water main. SPU sees this installation as a moderate priority, but makes sense to replace the water main when the road is constructed.

## Financing

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$0	\$0	\$0	\$0		

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

**SPU Cash Reserves** \$110,000

**SPU Borrowing**

# Capital Improvement Plan 2017-2021



**Project Initiative** Water Main Replacement - Kelly St

2017

**Project Number** 26 **Priority** 4

**Department** Water **Type** Replacement

**Contact** Rick Wicklund **Useful Life** 40

**Description**

Replace 900 feet of 6" with 8" water main between N Bird and B Streets originally installed in 1953 (64 years of age). This will be installed in conjunction with a street reconstruction project. Since this section of main has experienced 4 breaks, it is a top priority for the city.

There are 3 areas of road reconstruction focus: AREA 1)North (\$185,300), Goodland (\$160,230), Kohler(\$168,950); AREA 2)Kelly (\$168,950), Wilson (\$168,950), Flint (\$174,400); and AREA 3)Birkinbine (\$188,570), W Elm (\$130,800), Luther (\$93,740) and Robert (\$93,740).

**Justification**

The justification for replacement is that the main has experienced 4 breaks and is 64 years old. The replacement is done in conjunction with street reconstruction, so as not inconvenience customers in the future. Of the water main initiatives, this would definitely be considered on of the top priorities.

**Financing**

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$168,950	\$0	\$0	\$0	\$0	\$168,950

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

**SPU Cash Reserves** \$0

**SPU Borrowing** \$168,950

# Capital Improvement Plan 2017-2021



**Project Initiative** Water Main Replacement: Wilson St

2017

**Project Number** 27 **Priority** 4

**Department** Water **Type** Replacement

**Contact** Rick Wicklund **Useful Life** 40

**Description**

Replace 950' of 6" water main with 8" water main from N Bird to B Streets, originally installed in 1952 (65 years of age). This will be done in construction with a high priority Street Reconstruction project. The water main is one of the oldest in Sun Prairie but has never experienced a break.

There are 3 areas of road reconstruction focus: AREA 1)North (\$185,300), Goodland (\$160,230), Kohler(\$168,950); AREA 2)Kelly (\$168,950), Wilson (\$168,950), Flint (\$174,400); and AREA 3)Birkinbine (\$188,570), W Elm (\$130,800), Luther (\$93,740) and Robert (\$93,740).

**Justification**

The entire justification is replacing 65 year old water main when the street reconstruction occurs, so as not to inconvenience customers in the future. Because the utility has not experienced any main breaks, it is seen as a moderate priority for SPU.

**Financing**

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$0	\$0	\$0	\$0		

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

**SPU Cash Reserves** \$130,000

**SPU Borrowing**

# Capital Improvement Plan 2017-2021



**Project Initiative** Water Main Replacement: Flint St

2017

**Project Number** 28 **Priority** 4

**Department** Water **Type** Replacement

**Contact** Rick Wicklund **Useful Life** 40

**Description**

Replace 850' of 6" water main with 8" water main from W Main to Kelly Streets, originally installed in 1949 (68 years of age). This will be done in construction with a high priority Street Reconstruction project. The water main is one of the oldest in Sun Prairie but has experienced zero breaks.

There are 3 areas of road reconstruction focus: AREA 1)North (\$185,300), Goodland (\$160,230), Kohler(\$168,950); AREA 2)Kelly (\$168,950), Wilson (\$168,950), Flint (\$174,400); and AREA 3)Birkinbine (\$188,570), W Elm (\$130,800), Luther (\$93,740) and Robert (\$93,740).

**Justification**

Although it has not experienced any breaks, it is a top priority to replace 68 year old water main while road reconstruction is being completed, so as not to dig in newer asphalt in future years. Our goal is to replace problem areas each year, along with replacing aging main in conjunction with City Road Reconstruction.

**Financing**

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$174,400	\$0	\$0	\$0	\$0	\$174,400

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

<b>SPU Cash Reserves</b>	\$0
<b>SPU Borrowing</b>	\$174,400

# Capital Improvement Plan 2017-2021



**Project Initiative** Water Main Replacement: Birkinbine Dr

2017

**Project Number** 29 **Priority** 4

**Department** Water **Type** Replacement

**Contact** Rick Wicklund **Useful Life** 40

## Description

Replace 975' of 6" water main with 8" water main from Luther to Robert, originally installed in 1962 (55 years of age). This area has experienced (4) breaks and is considered a top SPU priority, along with a high priority Street Reconstruction project. There are 3 areas of road reconstruction focus: AREA 1) North (\$185,300), Goodland (\$160,230), Kohler (\$168,950); AREA 2) Kelly (\$168,950), Wilson (\$168,950), Flint (\$174,400); and AREA 3) Birkinbine (\$188,570), W Elm (\$130,800), Luther (\$93,740) and Robert (\$93,740).

## Justification

Since the City is proposing total street reconstruction along Birkinbine, it is in the best interest of everyone to replace the water main at the same time. It is a high priority for the utility, as it has experienced 4 prior main breaks.

## Financing

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$0	\$0	\$0	\$0		

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

**SPU Cash Reserves** \$145,000

**SPU Borrowing**

# Capital Improvement Plan 2017-2021



**Project Initiative** Water Main Replacement: W Elm St

2017

**Project Number** 29.1 **Priority** 4

**Department** Water **Type** Replacement

**Contact** Rick Wicklund **Useful Life** 40

**Description**

Replace 700' of 6" water main with 8" water main from Union to Birkinbine, originally installed in 1962 (55 years of age). This area has experienced (1)breaks and is considered a moderate SPU priority, along with a high priority Street Reconstruction project.

There are 3 areas of road reconstruction focus: AREA 1)North (\$185,300), Goodland (\$160,230), Kohler(\$168,950); AREA 2)Kelly (\$168,950), Wilson (\$168,950), Flint (\$174,400); and AREA 3)Birkinbine (\$188,570), W Elm (\$130,800), Luther (\$93,740) and Robert (\$93,740).

**Justification**

Since the City is proposing total street reconstruction along W Elm St, it is in the best interest of everyone to replace the water main at the same time. It is a priority because of its age, although it has only experienced one prior main break.

**Financing**

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$0	\$0	\$0	\$0		

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

<b>SPU Cash Reserves</b>	\$145,000
<b>SPU Borrowing</b>	

# Capital Improvement Plan 2017-2021



**Project Initiative** Water Main Replacement: Luther St

2017

**Project Number** 29.2 **Priority** 4

**Department** Water **Type** Replacement

**Contact** Rick Wicklund **Useful Life** 40

## Description

Replace 525' of 6" water main with 8" water main from Luther to Robert, originally installed in 1962 (55 years of age). This area has experienced (0)breaks and is considered a moderate SPU priority, along with a high priority Street Reconstruction project.

There are 3 areas of road reconstruction focus: AREA 1)North (\$185,300), Goodland (\$160,230), Kohler(\$168,950); AREA 2)Kelly (\$168,950), Wilson (\$168,950), Flint (\$174,400); and AREA 3)Birkinbine (\$188,570), W Elm (\$130,800), Luther (\$93,740) and Robert (\$93,740).

## Justification

Since the City is proposing total street reconstruction along Luther, it is in the best interest of everyone to replace the water main at the same time. It is a moderate priority for the utility, as it is older main but with zero prior main breaks.

## Financing

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$93,740	\$0	\$0	\$0	\$0	\$93,740

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

**SPU Cash Reserves** \$0

**SPU Borrowing** \$93,740

# Capital Improvement Plan 2017-2021



**Project Initiative** Water Main Replacement: Robert Dr

2017

**Project Number** 29.3 **Priority** 4

**Department** Water **Type** Replacement

**Contact** Rick Wicklund **Useful Life** 40

## Description

Replace Robert' of 6" water main with 8" water main from Maynard to Birkinbine, originally installed in 1962 (55 years of age). This area has experienced (2)breaks and is considered a top SPU priority, along with a high priority Street Reconstruction project. It should be noted that the Maynard connects with Robert Dr in two places. The begins at the easternmost intersection and extends east to Birkinbine.

There are 3 areas of road reconstruction focus: AREA 1)North (\$185,300), Goodland (\$160,230), Kohler(\$168,950); AREA 2)Kelly (\$168,950), Wilson (\$168,950), Flint (\$174,400); and AREA 3)Birkinbine (\$188,570), W Elm (\$130,800), Luther (\$93,740) and Robert (\$93,740).

## Justification

Since the City is proposing total street reconstruction along Birkinbine, it is in the best interest of everyone to replace the water main at the same time. It is a high priority for the utility, as it has experienced 2 prior main breaks.

## Financing

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$93,740	\$0	\$0	\$0	\$0	\$93,740

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

**SPU Cash Reserves** \$0

**SPU Borrowing** \$93,740

# Capital Improvement Plan 2017-2021



**Project Initiative** Automated Metering Infrastructure

2017

**Project Number** 31 **Priority** 3

**Department** Metering **Type** New Installation

**Contact** Rick Wicklund **Useful Life** 20

## Description

Two-way communication metering and associated data collection system, reporting software and billing CIS integration. Upon project completion, we will be able to utilize the WPPI Meter Data Management System for valuable reporting features and to best utilize the data collected.

## Justification

Automated Metering will provide increased distribution system monitoring, customer self-monitoring and usage control, improved customer service, and accurate meter readings for billing (ability to read all meters on the first of the month to best align with WPPI wholesale metering reads). Essentially we will most accurately bill customers for the usage and consumption SPU is being billed for. With the likelihood of future time-of-use rates, customers will have more of an ability to monitor and control consumption for peak shaving measures.

## Financing

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,500,000

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

**SPU Cash Reserves**

**SPU Borrowing** \$500,000

# Capital Improvement Plan 2017-2021



**Project Initiative** Office LAN Computers

2017

**Project Number** 32 **Priority** 3

**Department** Office **Type** Replacement

**Contact** Joel DuChateau **Useful Life** 4

**Description**

Purchase (1)GIS Specialist computer for mapping and (1)metering laptop per the replacement policy. The budget should also allow replacement of any failed computers prior to the 4-year life cycle.

**Justification**

SPU has a 4-year computer replacement policy, whereby this replaces the above referenced office LAN PCs.

The alternative would be to extend the computers and go away from policy.

**Financing**

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$10,000	\$5,000	\$5,000	\$40,000	\$10,000	\$70,000

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

**SPU Cash Reserves** \$10,000

**SPU Borrowing** \$0

# Capital Improvement Plan 2017-2021



**Project Initiative** Office: LAN Server Replacement

2017

**Project Number** 33 **Priority** 3

**Department** Office **Type** Replacement

**Contact** Joel DuChateau **Useful Life** 4

**Description**

Replace server per scheduled computer replacement policy. Includes replacement and software upgrade of SPU Office LAN (Local Area Network) Server. Purchase and install a Dell PowerEdge T410 Server or equivalent.

**Justification**

SPU has a 4-year computer replacement policy, whereby this replaces the above referenced office LAN Server. The server enables staff to perform daily tasks quickly, efficiently and with minimal downtime.

The alternative would be to extend the computers and go away from policy.

**Financing**

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$10,000	\$5,000	\$5,000	\$40,000	\$10,000	\$70,000

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

**SPU Cash Reserves** \$10,000

**SPU Borrowing** \$0

# Capital Improvement Plan 2017-2021



**Project Initiative** Office-GPS Unit

2017

<b>Project Number</b>	34	<b>Priority</b>	3
<b>Department</b>	Office	<b>Type</b>	Replacement
<b>Contact</b>	Joel DuChateau	<b>Useful Life</b>	7

**Description**

Replace (1)GPS Unit to locate and map infrastructure for all (3)utilities that is completed on work orders. Microsoft no longer supports the platform of the existing 2009 Trimble unit, so the unit will likely work until we have any significant problems.

**Justification**

SPU does not really have an existing replacement policy for the GPS unit, although we will begin to place it on a 7-year replacement schedule.

The alternative would be to continue to use and replace when it ultimately fails. With our workload and the amount of mapping that occurs, it would be advisable to replace in the next couple years.

**Financing**

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$10,000	\$0	\$0	\$0	\$0	\$10,000

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

<b>SPU Cash Reserves</b>	\$10,000
<b>SPU Borrowing</b>	\$0

# Capital Improvement Plan 2017-2021



**Project Initiative** Office - Security FOB System

2017

**Project Number** 35 **Priority** 2

**Department** Office **Type** Replacement

**Contact** Dave Euclide **Useful Life** 15

**Description**

SPU would like to budget a security system for the main office. We currently use keys to get in the building and often doors are left unlocked or unsecured to the public. The goal will be to make any office areas unavailable for access by the public. We have begun looking at systems and will continue to do so, until we have the operational that contains features most beneficial and meets our budgeting needs. At the same time we evaluate security systems, we are also evaluating any of the outside doors that may need replacement.

**Justification**

With our growing utility and the current world we live in, it is our responsibility to provide a safe, secure environment for our employees. Key systems have their flaws, as employees will leave doors ajar, so as to alleviate any inconvenience. Management would like to remove the necessity of keeping the building secure from employees to an electronically operated FOB system.

**Financing**

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$40,000	\$0	\$0	\$0	\$0	\$40,000

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

**SPU Cash Reserves** \$40,000

**SPU Borrowing** \$0

# Capital Improvement Plan 2017-2021



**Project Initiative** Office-C353 Copier Printer

2017

**Project Number** 36 **Priority** 3

**Department** Office **Type** Replacement

**Contact** Dave Euclide **Useful Life** 8

**Description**

Replace the existing C353 Office Copier/Scanner/Printer originally purchased in 2008 (9 years old). This has been the main device used by Customer Service and Managers for the last 8 years.

**Justification**

At 9 years of age and 496,000 copies, the color copier is reaching a point in time where maintenance will likely be extensive.

**Financing**

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$10,000	\$0	\$0	\$0	\$0	\$10,000

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

<b>SPU Cash Reserves</b>	\$10,000
<b>SPU Borrowing</b>	\$0

# Capital Improvement Plan 2017-2021



**Project Initiative** Fleet - Skid Steer

2017

**Project Number** 41 **Priority** 4

**Department** Fleet **Type** Replacement

**Contact** Rick Wicklund **Useful Life** 15

**Description**

Replace Vehicle #76, the 1995 Melrose Bobcat Skid Steer, with a new one. The piece of equipment should be monitored for replacement every 15 years. We have kept it as part of our fleet for 20+ years. The skid steer is used for numerous loading applications at our outdoor storage yard. It needs to be reliable for handling the large amount of inventory for electric, water and now telecommunications.

**Justification**

Fleet replacement policy should be 15 years on this item. We have gotten 7 additional years of life. With the growth of the City and the expansion of Telecom, replacement is probably wise to eliminate any repair time.

An alternative would be to wait to replace for another year and hope we have minimal maintenance required.

**Financing**

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$0	\$0	\$0	\$0		

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

**SPU Cash Reserves**

**SPU Borrowing**

# Capital Improvement Plan 2017-2021



**Project Initiative** Fleet - Dump Truck

2017

**Project Number** 42 **Priority** 3

**Department** Fleet **Type** Replacement

**Contact** Rick Wicklund **Useful Life** 15

**Description**

Replace Vehicle #82, the 1998 Ford F700 Dump Truck, with a new one. The piece of equipment should be monitored for replacement every 15 years. We have kept it as part of our fleet for 18 years. The vehicle is used for hauling materials to and from job sites, especially during water main breaks. JR provided the budgeted estimate to Doug. It is starting to be a safety and maintenance problem

**Justification**

Fleet replacement policy should be 15 years on this item. We have gotten 3 additional years of life.

An alternative would be to wait to replace for another year and hope we have minimal maintenance required.

**Financing**

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$130,000	\$0	\$0	\$0	\$0	\$130,000

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

**SPU Cash Reserves** \$130,000

**SPU Borrowing**

# Capital Improvement Plan 2017-2021



**Project Initiative** Fleet - #92 2001 Dodge Dakota Pickup

2017

**Project Number** 43 **Priority** 4

**Department** Fleet **Type** Replacement

**Contact** Rick Wicklund **Useful Life** 10

## Description

Replace Vehicle #92, the 2001 Dodge Dakota Pickup, with a new one. The piece of equipment should be monitored for replacement every 10 years. We have kept it as part of our fleet for 16 years. It is primarily used by our Maintenance person and must have the ability to haul a trailer (riding lawnmower and/or snowblower).

## Justification

Fleet replacement policy should be 10 years on this item. We have gotten 6 additional years of life. With the amount of properties that we have to maintain, a reliable vehicle is essential.

An alternative would be to wait to replace for another year and hope we have minimal maintenance required.

## Financing

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$30,000	\$0	\$0	\$0	\$0	\$30,000

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

**SPU Cash Reserves** \$30,000

**SPU Borrowing**

# Capital Improvement Plan 2017-2021



**Project Initiative** Fleet - #10 Meter Reader Car

2017

**Project Number** 44 **Priority** 4

**Department** Fleet **Type** Replacement

**Contact** Rick Wicklund **Useful Life** 10

**Description**

Replace Vehicle #10, the 2004 Ford Taurus, used as a meter reading vehicle. It has experienced recent transmission issues, but overall served us well for many years. Before a major transmission replacement is required, replacement of the 13 year old vehicle is recommended. The budget is for \$25,000, although it is expected we can likely get something for less than \$20K.

**Justification**

Fleet replacement policy should be 10 years on this item. We have gotten 3 additional years of life. Meter reading is a busy job requiring a consistently reliable vehicle. It is used every work day and cannot afford much repair time.

An alternative would be to wait to replace for another year and hope we have minimal maintenance required.

**Financing**

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$25,000	\$0	\$0	\$0	\$0	\$25,000

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

**SPU Cash Reserves** \$25,000

**SPU Borrowing**

# Capital Improvement Plan 2017-2021



**Project Initiative** Fleet - F250 4x4 Truck or equivalent

2017

**Project Number** 45 **Priority** 3

**Department** Fleet **Type** New Addition

**Contact** Gary Sanders **Useful Life** 10

**Description**

With the fiber to the premise expansion and the field installer staff addition, Telecom needs a vehicle capable of hauling a splicing trailer and/or equipment trailer to various job sites. It is believed the F250 or equivalent will provide adequate towing and performance capabilities. We will build specifications for adequate bed storage for tools and materials.

**Justification**

The new Telecom field technician/installer currently is using a electric department vehicle that was replaced this year. This vehicle has a rusted out bed and should be removed from the fleet and put to auction. Thus, a reliable vehicle is now needed. The vehicle will require adequate storage for material/supplies.

The only alternative would be to lease a vehicle, as there are not extra vehicles for use in the other departments.

**Financing**

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$42,000	\$0	\$0	\$0	\$0	\$42,000

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

<b>SPU Cash Reserves</b>	\$42,000
<b>SPU Borrowing</b>	

# Capital Improvement Plan 2017-2021



**Project Initiative** Fleet - Fiber Optic Splicing Trailer

2017

**Project Number** 46 **Priority** 3

**Department** Fleet **Type** New

**Contact** Rick Wicklund **Useful Life** 15

**Description**

The initiatives for the Truck of F250 towing capacity, the Core Alignment Fusion Splicer, and this one for the trailer all go together. Telecom is requesting a trailer to transport the splicing equipment and fusion splice in the field. It will be a substantial long-term cost savings, as well as a coordination and time savings. We will be able to eliminate most, if not all, previously contracted splicing work.

**Justification**

Fleet replacement policy should be 15 years on this item. It will be used entirely by Telecom and will be hauled by the new Telecom truck. This will be a great value and use of the Communications Technician's experience and capabilities. The trailer and splicer will likely pay for itself in less than two years.

**Financing**

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$23,000	\$0	\$0	\$0	\$0	\$23,000

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

<b>SPU Cash Reserves</b>	\$23,000
<b>SPU Borrowing</b>	

# Capital Improvement Plan 2017-2021



**Project Initiative** Fleet - Single Reel Wire Trailer

2017

**Project Number** 47 **Priority** 3

**Department** Fleet **Type** New

**Contact** Rick Wicklund **Useful Life** 15

**Description**

The electric department has requested a new single reel wire trailer for transporting either single phase underground cable, street light wire or conduit.

**Justification**

Fleet replacement policy should be 15 years on this item.

**Financing**

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$10,000	\$0	\$0	\$0	\$0	\$10,000

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

**SPU Cash Reserves** \$10,000

**SPU Borrowing**

# Capital Improvement Plan 2017-2021



**Project Initiative** Telecom: Fiber Optics Fusion Splicer

2017

**Project Number** 51 **Priority** 3

**Department** Telecom **Type** New Construction

**Contact** Gary Sanders **Useful Life** 10

**Description**

Initiative to eliminate future contracted splicing costs having labor performed in-house by Communications Technician. The request is to purchase a Core Alignment Fusion Splicer to splice fiber on SPU's outside plant. The budget is \$11,000. We will likely save about \$15K annually depending on the fiber expansion.

**Justification**

Outsourcing fiber optic splicing can be quite costly. This equipment would allow to not only save a substantial amount of money in contracted services, but allow us to schedule the work in a timely manner. It would also allow for the immediate remedy of fiber optic cable cuts. Payback will be less than two years versus contracting same work.

**Financing**

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$11,000	\$0	\$0	\$0	\$0	\$11,000

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

**SPU Cash Reserves** \$11,000

**SPU Borrowing**

# Capital Improvement Plan 2017-2021



**Project Initiative** Telecom: Live Fiber Optics Identifier

2017

**Project Number** 52 **Priority** 3

**Department** Telecom **Type** New

**Contact** Gary Sanders **Useful Life** 10

**Description**

This initiative is to purchase a device used to identify and verify whether or not a fiber strand is live and passing traffic or dead, able to be cut and spliced.

**Justification**

With the growth of our network, this is a device that is definitely needed as a failsafe to prevent service impacting outages. The is a low cost security to proactively prevent outage mistake.

**Financing**

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$1,300	\$0	\$0	\$0	\$0	\$1,300

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

**SPU Cash Reserves** \$1,300

**SPU Borrowing**

# Capital Improvement Plan 2017-2021



**Project Initiative** Telecom: Fiber Optical Loss Test Set

2017

**Project Number** 53 **Priority** 3

**Department** Telecom **Type** New

**Contact** Gary Sanders **Useful Life** 10

**Description**

Fiber Optic New Construction: may include subdivision conduit and service to new business areas.

**Justification**

The fiber budget allows SPU to extend facilities along with the electric outside plant to provide access to serve future customers. Often this construction involves the installation of a spare conduit which can be used for fiber in the future. The goal is to make Sun Prairie Utilities an attractive offering when considering fiber optic communications to their respective property. By installing conduit with electric service, the fiber can be installed at a great cost reduction.

**Financing**

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$2,200	\$0	\$0	\$0	\$0	\$2,200

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

**SPU Cash Reserves** \$2,200

**SPU Borrowing**

# Capital Improvement Plan 2017-2021



**Project Initiative** Telecom: Internet Speed Test Server

2017

<b>Project Number</b>	54	<b>Priority</b>	3
<b>Department</b>	Telecom	<b>Type</b>	New
<b>Contact</b>	Gary Sanders	<b>Useful Life</b>	10

**Description**

This initiative is a combination of hardware and software used to validate bandwidth and connection speed sold to a subscriber from a subscriber's business or residence.

**Justification**

With the single family fiber-to-the-home customer base, we receive an increased number of trouble calls and inquiries concerning bandwidth and speed. Customers perform inaccurate speed tests, either wirelessly or constrained by things outside our network. This equipment will function to provide quality assurance to our SPU fiber internet customers.

**Financing**

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$9,500	\$0	\$0	\$0	\$0	\$9,500

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

<b>SPU Cash Reserves</b>	\$7,500
<b>SPU Borrowing</b>	

# Capital Improvement Plan 2017-2021



**Project Initiative** Telecom: Fiber Optic Expansion

2017

**Project Number** 55 **Priority** 3

**Department** Telecom **Type** New

**Contact** Gary Sanders **Useful Life** 40

**Description**

Fiber Optic New Construction: may include subdivision conduit and service to new business areas.

**Justification**

The fiber budget allows SPU to extend facilities along with the electric outside plant to provide access to serve future customers. Often this construction involves the installation of a spare conduit which can be used for fiber in the future. The goal is to make Sun Prairie Utilities an attractive offering when considering fiber optic communications to their respective property. By installing conduit with electric service, the fiber can be installed at a great cost reduction.

**Financing**

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

**SPU Cash Reserves** \$100,000

**SPU Borrowing**

# Capital Improvement Plan 2017-2021



**Project Initiative** Telecom: Fiber Upgrade for SPASD

2017

<b>Project Number</b>	56	<b>Priority</b>	3
<b>Department</b>	Telecom	<b>Type</b>	New
<b>Contact</b>	Gary Sanders	<b>Useful Life</b>	5

**Description**

The SPASD had previously outgrown the 1GB WAN links at two sites; The District office and new high school. Those links were aggregated into 2Gb links at the time of the last contract. In order to scale for future growth, SPASD want to again double the bandwidth for two sites to 4Gb WAN links, the hardware at the SPU core, as well as the hardware for the redundant district office feeds, and the hardware for the new high school must be replaced with 10Gb hardware.

**Justification**

To meet the SPASD needs, we must invest \$75,000.

**Financing**

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$75,000	\$0	\$0	\$0	\$0	\$75,000

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

<b>SPU Cash Reserves</b>	
<b>SPU Borrowing</b>	\$75,000

# Capital Improvement Plan 2017-2021



**Project Initiative** Telecom: Fiber-to-the Home Expansion

2017

**Project Number** 57 **Priority** 3

**Department** Telecom **Type** New

**Contact** Gary Sanders **Useful Life** 40

## Description

With the current installation in Smith's Crossing, there will be an analysis over the next year to decide if and how telecom expands its infrastructure to other parts of the City. This initiative sets a placeholder for installation of an estimated (2) subdivisions annually typically for \$1.5M. In working with Utility Manager and Finance Director, we evaluated two financially attractive areas to expand to next, Providence Subdivision and O'Keeffe Ave area between Walmart and Smith's Crossing. Both were placed into the Capital and Operations Budgets. This will be evaluated by Council and because both areas are in District #3, likely not both be selected.

## Justification

The justification comes from customers desire for high speed internet and its value to the City of Sun Prairie. The continued evaluation by the City Council and various performance criteria will determine whether there is a justification for expansion.

## Financing

	2017	2018	2019	2020	2021	Total \$
<b>Project Cost</b>	\$1,097,826	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$7,097,826

Less: Grants + Other Revenues

Less: Impact Fee Fund

Less: Wastewater fund

Less: Stormwater Fund

Less: Utility Reimbursement

**SPU Cash Reserves**

**SPU Borrowing** \$1,097,826



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**To:** Sun Prairie Utilities Commissioners  
**From:** Rose Schulze, Accountant  
**Date:** October 10, 2016  
**Re:** **2017 Operating Budgets - Electric, Water, and Telecom (Revised)**

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For budgeting purposes, we factored in overall wage increases for all employees of 2.0% as a placeholder until a decision on 2017 wages is decided later this year. At our current 2016 staffing level, base wages + estimated overtime wages = \$1,976,547. Two percent of that amount equals approximately \$39,335.

#### **Electric Department Operating Budget**

- Total Sales of Electricity and Purchased Power costs are based on WPPI Energy's projections for 2017. The projections include our new rates implemented July 2, 2016.
- WPPI expects our wholesale power costs to remain constant in 2017 (no rate increase) over their 2016 budget. The "% Cost of Power" (Purchased Power costs divided by Total Sales of Electricity) is currently estimated to be 82.2% in 2017.
- Account 454, Rent From Electric Property, includes an additional \$98,665 in 2016 and \$89,142 in 2017 that will be billed to the American Transmission Company (ATC) for their share of depreciation expense and rate of return on the "common" assets, that we own at the new Highway 151 Substation. An annual exchange of asset values takes place between us and the ATC each year which determines this annual billing amount.
- During our Test Year 2015 water rate increase application review, PSC Water Division staff suggested a modification to the calculation in the longstanding method we've using to determine the Electric, Water, and Telecom share of various joint expenses. This affects account 455, Interdepartmental Rents, on the Electric side and account 931, Rents, on the Water and Telecom side. (*Same note for Water & Telecom.*)
- In 2017, we expect to add an Apprentice Lineworker and an Engineering Technician whose duties will be approximately 60% electric. These additions will increase the various Transmission and Distribution Expense categories by an estimated \$38,743. (A portion of the Electric labor time will be charged to work orders, which is not including in operating expenses.)

- Beginning in FY2016, Account 903, Customer Records and Collection Expense (“Other” category) includes an offset of the amount charged to the Stormwater Department for their share of our annual billing and collection costs. Prior to 2016, this was recorded as miscellaneous revenue in account 421. The net effect on our bottom line is the same, but the PSC feels this is the more appropriate treatment so it is factored into our rate base. Our auditors were in agreement of this change.
- Account 906, Customer Service and Informational Expenses, includes the \$41,000 per year currently embedded in our electric rates for demand-side management (DSM) that the PSC is continuing to allow us to collect in our newly-approved rates. However, they have also instructed us to amortize our unspent balance at December 31, 2015 of \$132,594 over 3 years, beginning in 2016, which is a negative \$44,198 per year. The net effect is a negative \$3,198. This amortization decreased the overall revenue requirement in our rate case, resulting in a lower overall rate increase to customers.
- Account 923, Outside Services Employed, includes \$10,000 in 2017 for an electric system study. Our last study was performed in 2010.
- Account 926, Employee Pension & Benefits, represents the company-paid portion of pension and insurances, less the amount deducted and added to construction projects. The 2017 amount includes the new health insurance rates and approved change to the company-paid portion. I’m assuming 40% of our employees will choose the High Deductible Health plan for their 2017 coverage because of the increased premiums they will pay if staying on the HMO20 plan. The actual 2017 contribution for employees on the defined benefit pension plan will likely be lower than what I included in the budget due to 2016 retirements. As a side note, I’ve included contributions of the 6.8% WRS contribution rate for 2017 for all expected new hires and those who have indicated they will switch to the WRS plan. (*Same note applies to Water and Telecom.*)
- Account 403, Depreciation Expense in 2017 includes a full year’s depreciation for both the new Highway 151 Substation (in-service in 2015) and the Bird St. Substation upgrade (in-service in 2016).
- Of the Interest & Dividend Income in account 419, \$744,967 represents our dividend estimate (cash + reinvested) from the American Transmission Company. The cash portion of the \$744,967 is estimated to be \$485,510, but the 2017 capital calls could be as high as \$742,000.
- Account 421, Misc. Non-operating Income CIAC, represents the amount of cash contributions we expect to receive from developers and those who damage utility property during the year. As noted above, the amount we bill the Stormwater utility starting in FY2016 is treated as an offset to expense account 903, rather than miscellaneous revenue in account 421.
- Account 427, Interest on Long-Term Debt, includes estimated issuance expense on the 2016A G.O. bond issue for electric and water projects. We expect to receive the proceeds on October 26, 2016, so some expense will be booked in 2016 with a larger amount in 2017 for a full year. Estimated 2016A G.O. bond issuance expenses are in account 428, Amort. of Debt Discount and Expense. We are currently required to

expense the full amount in the year of issue. (*Same note applies to Water.*)

- Projected Net Income for 2017 is about \$40,000 lower than projected 2016, mostly due to staff additions, increased employee pension and benefits expenses, and increased depreciation expense on the new and upgraded substations.

### **Water Department Operating Budget**

- Water Sales revenue for 2017 is a full year at our last rate increase implemented on January 6, 2016 with some assumptions for growth and the possibility of more water usage in 2017 vs. 2016. (For reference, our last full rate case prior to that was in 2010, with a simplified rate increase mid-2014.)
- Account 472, Rents from Water Property, represents our water tower lease agreement payments from cellular companies; the amounts shown are based on our individual agreements with those companies. Airadigm vacated two tower locations in 2015 and paid us a settlement, thus the 2015 amount was at a higher level than both projected 2016 and budget 2017. These revenues help reduce our customers' water rates.
- Total Pumping Expenses are tracking lower for projected 2016 than actual 2015 because of a 2016 correction to account 623, Power for Pumping, of \$18,250 that goes back to early 2015 and anticipated reduced expenses in account 633, Maint. of Pumping Equipment. Budget 2017 levels rise closer to actual 2015 levels.
- Account 660, Operations Supervision and Engineering, saw a reduction in labor time for our Water Operations Supervisor who retired mid-2015. A reorganization of duties is planned for 2017 with the hire of an Engineering Technician in the 2<sup>nd</sup> quarter of 2017 whose duties will be approximately 40% water coded to this account.
- Fewer labor hours were spent doing water meter changeouts in 2015 and 2016, causing a reduction to account 663, Meter Expenses. The 2017 level is still not at the level seen prior to 2015 because of our assumption that we may be capitalizing labor for meter changeouts if we start implementation of automated metering infrastructure (AMI) in 2017.
- We plan to paint the Sheehan Park water tower in 2017; estimated cost included in account 672, Maint. of Reservoirs and Standpipes, is \$390,000.
- Account 906, Customer Service and Informational Expenses, was reduced to zero on January 6, 2016 as decided by the Public Service Commission during review of our TY2015 water rate increase filing (prior to that, it was \$20,000/year). The PSC feels our unspent collections should be enough for our estimated expenditures for the next three years.
- Account 923, Outside Services Employed, includes \$15,000 in projected 2016 for an engineering firm to perform a water system study. We have done this periodically in the past and plan to do this approximately every 7 years in the future. The budget 2017 level is then lower than in 2016.

- Misc. Non-Operating Revenue - CIAC, account 421, are “contributed” assets (water main, laterals, and hydrants) installed by developers and turned over to us to own and maintain. The depreciation expense associated with all our contributed assets is in account 426, Other Income Deductions-CIAC.
- Net Operating Income is expected to be \$446,168 lower than projected 2016, mostly comprised of the \$390,000 budgeted for water tower painting.

### **Telecom Department Operating Budget**

- Internet Access represents monthly billed amounts to our fiber Internet customers, both residential and business. We factored in conservative estimates on new businesses; we also included estimates of serving the Providence subdivision and the O’Keeffe Avenue area. *(Any new fiber-to-the-home areas in 2017 will be contingent upon Common Council approval.)*
- WAN Revenue is based on our currently-subscribing customers and upcoming changes.
- We did a review of the Interdepartmental Rents we charge to Electric and Water and made updates to the SCADA Internet usage amounts for both 2016 and 2017.
- Internet Access Expense for 2017 includes increases for a monthly hosted solution for fiber optic documentation software and increased wholesale bandwidth if we start serving more areas with fiber-to-the-home.
- We plan to add a Network Technician in the Telecom department in early 2017 and expect his time to be split between acct 582, Station Expenses, and account 903, Customer Records and Collections Expenses.
- Outside Services Employed includes an additional \$20,000 in 2017 for potential consultant fees, if necessary.
- Our anticipated 2016 telecom borrowing via a State Trust Fund Loan of \$700,000 is factored into various 400# accounts. For 2017, we also factored in a State Trust Fund Loan of \$1,500,000 as a high estimate; the amount of the 2017 loan will be dependent on which areas, if any, the Common Council gives approval for us to serve. The most recently-updated estimates of the Providence and O’Keeffe Avenue areas included in Internet Access revenues above are for \$1,098,000.

**2017 ELECTRIC OPERATING BUDGET - SUMMARY**

	ACTUAL 2013	ACTUAL 2014	ACTUAL 2015	3-year Average	Actual 7/31/2016	Projected 12/31/2016	Budget 2016	Budget 2017
RESIDENTIAL SALES	\$ 10,801,213	\$ 11,377,168	\$ 11,288,490	\$ 11,155,624	\$ 6,436,075	\$ 11,501,534	\$ 11,838,201	\$ 11,898,865
RURAL SALES	\$ 11,938	\$ 15,727	\$ 13,995	\$ 13,887	\$ 7,475	\$ 13,782	\$ 14,920	\$ 14,873
COMMERCIAL SALES	\$ 2,657,044	\$ 2,854,875	\$ 3,030,295	\$ 2,847,405	\$ 1,739,303	\$ 2,980,218	\$ 3,014,747	\$ 3,385,069
SMALL POWER	\$ 2,876,062	\$ 3,223,767	\$ 3,390,161	\$ 3,163,330	\$ 1,806,796	\$ 3,222,396	\$ 3,609,480	\$ 3,433,202
LARGE POWER	\$ 7,846,773	\$ 7,893,486	\$ 8,164,060	\$ 7,968,106	\$ 4,850,100	\$ 8,737,114	\$ 10,516,212	\$ 9,165,007
PUBLIC STREET LIGHTING	\$ 328,652	\$ 359,018	\$ 348,248	\$ 345,306	\$ 198,660	\$ 370,456	\$ 395,576	\$ 393,815
PUBLIC AUTHORITIES	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
INTERDEPARTMENTAL SALES	\$ 199,910	\$ 196,208	\$ 208,029	\$ 201,382	\$ 116,244	\$ 199,900	\$ 209,346	\$ 205,000
<b>TOTAL SALES OF ELECTRICITY</b>	<b>\$ 24,721,592</b>	<b>\$ 25,920,249</b>	<b>\$ 26,443,278</b>	<b>\$ 25,695,040</b>	<b>\$ 15,154,653</b>	<b>\$ 27,025,400</b>	<b>\$ 29,598,482</b>	<b>\$ 28,495,831</b>
CHANGE FROM PREV YEAR	102.55%	104.85%	102.02%			102.20%		105.44%
FORFEITED DISCOUNTS	\$ 81,652	\$ 88,720	\$ 86,354	\$ 85,575	\$ 46,660	\$ 94,524	\$ 92,285	\$ 98,838
MISC SERVICE REVENUES	\$ 7,505	\$ 9,765	\$ 8,040	\$ 8,437	\$ 3,320	\$ 5,691	\$ 8,800	\$ 7,863
RENT FROM ELECTRIC PROPERTY	\$ 40,505	\$ 38,457	\$ 45,787	\$ 41,583	\$ 40,453	\$ 145,298	\$ 145,298	\$ 135,966
INTERDEPARTMENTAL RENTS	\$ 185,217	\$ 174,199	\$ 148,842	\$ 169,419	\$ 67,824	\$ 113,664	\$ 127,875	\$ 113,681
OTHER ELECTRIC REVENUE	\$ 13,278	\$ 13,897	\$ 9,033	\$ 12,069	\$ 4,111	\$ 8,800	\$ 9,319	\$ 8,975
<b>TOTAL OPERATING REVENUES</b>	<b>\$ 25,049,749</b>	<b>\$ 26,245,287</b>	<b>\$ 26,741,334</b>	<b>\$ 26,012,123</b>	<b>\$ 15,317,022</b>	<b>\$ 27,393,377</b>	<b>\$ 29,982,059</b>	<b>\$ 28,861,154</b>
CHANGE FROM PREV YEAR	102.50%	104.77%	101.89%			102.44%		105.36%
PURCHASED POWER	\$ 21,183,743	\$ 21,692,926	\$ 21,818,886	\$ 21,565,185	\$ 12,656,004	\$ 22,265,727	\$ 25,121,555	\$ 23,423,764
TOTAL TRANS & DISTRIB EXPENSES	\$ 755,296	\$ 838,656	\$ 788,729	\$ 794,227	\$ 401,180	\$ 734,086	\$ 832,267	\$ 817,623
TOTAL ACCT & COLLECTION EXPENSE	\$ 365,964	\$ 337,746	\$ 365,567	\$ 356,426	\$ 156,410	\$ 277,480	\$ 376,341	\$ 306,523
TOTAL ADM & GEN EXPENSE	\$ 612,547	\$ 632,767	\$ 643,238	\$ 629,517	\$ 385,875	\$ 669,403	\$ 663,348	\$ 731,378
DEPRECIATION EXPENSE	\$ 1,056,750	\$ 1,065,764	\$ 1,134,364	\$ 1,085,626	\$ 741,216	\$ 1,263,710	\$ 1,281,330	\$ 1,342,923
TAXES	\$ 881,596	\$ 875,039	\$ 965,770	\$ 907,468	\$ 589,936	\$ 1,034,403	\$ 1,089,820	\$ 1,130,535
<b>TOTAL OPERATING EXPENSE</b>	<b>\$ 24,855,896</b>	<b>\$ 25,442,898</b>	<b>\$ 25,716,554</b>	<b>\$ 25,338,449</b>	<b>\$ 14,930,622</b>	<b>\$ 26,244,809</b>	<b>\$ 29,364,661</b>	<b>\$ 27,752,746</b>
CHANGE FROM PREV YEAR	102.71%	102.36%	101.08%			102.05%		105.75%
<b>NET OPERATING INCOME (LOSS)</b>	<b>\$ 193,853</b>	<b>\$ 802,389</b>	<b>\$ 1,024,780</b>	<b>\$ 673,674</b>	<b>\$ 386,400</b>	<b>\$ 1,148,569</b>	<b>\$ 617,398</b>	<b>\$ 1,108,408</b>
INTEREST & DIVIDEND INCOME	\$ 899,849	\$ 860,782	\$ 726,205	\$ 828,945	\$ 427,905	\$ 813,736	\$ 970,064	\$ 796,687
CIAC INCOME & DEPRECIATION (NET)	\$ (81,153)	\$ (25,591)	\$ (181,240)	\$ (95,995)	\$ (3,129)	\$ (44,407)	\$ (79,628)	\$ (78,006)
INTEREST CHARGES	\$ 154,060	\$ 106,448	\$ 92,384	\$ 117,631	\$ 100,702	\$ 170,752	\$ 123,672	\$ 166,786
EARNED SURPLUS	\$ (2,165)	\$ (142)	\$ (95,094)	\$ (32,467)	\$ -	\$ 2,845	\$ 10,596	\$ (1,543)
<b>NET INCOME (LOSS)</b>	<b>\$ 856,324</b>	<b>\$ 1,530,990</b>	<b>\$ 1,382,267</b>	<b>\$ 1,256,527</b>	<b>\$ 710,473</b>	<b>\$ 1,749,991</b>	<b>\$ 1,394,758</b>	<b>\$ 1,658,760</b>

**2017 ELECTRIC OPERATING BUDGET - DETAIL**

		ACTUAL	ACTUAL	ACTUAL	3-year	Actual	Projected	Budget	Budget
		2013	2014	2015	Average	7/31/2016	12/31/2016	2016	2017
440	RESIDENTIAL SALES	\$ 10,801,213	\$ 11,377,168	\$ 11,288,490	\$ 11,155,624	\$ 6,436,075	\$ 11,501,534	\$ 11,838,201	\$ 11,898,865
441	RURAL SALES	\$ 11,938	\$ 15,727	\$ 13,995	\$ 13,887	\$ 7,475	\$ 13,782	\$ 14,920	\$ 14,873
442	COMMERCIAL SALES	\$ 2,657,044	\$ 2,854,875	\$ 3,030,295	\$ 2,847,405	\$ 1,739,303	\$ 2,980,218	\$ 3,014,747	\$ 3,385,069
442A	SMALL POWER	\$ 2,876,062	\$ 3,223,767	\$ 3,390,161	\$ 3,163,330	\$ 1,806,796	\$ 3,222,396	\$ 3,609,480	\$ 3,433,202
443	LARGE POWER	\$ 7,846,773	\$ 7,893,486	\$ 8,164,060	\$ 7,968,106	\$ 4,850,100	\$ 8,737,114	\$ 10,516,212	\$ 9,165,007
444	PUBLIC STREET LIGHTING	\$ 328,652	\$ 359,018	\$ 348,248	\$ 345,306	\$ 198,660	\$ 370,456	\$ 395,576	\$ 393,815
445	PUBLIC AUTHORITIES	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
448	INTERDEPARTMENTAL SALES	\$ 199,910	\$ 196,208	\$ 208,029	\$ 201,382	\$ 116,244	\$ 199,900	\$ 209,346	\$ 205,000
	<b>TOTAL SALES OF ELECTRICITY</b>	\$ 24,721,592	\$ 25,920,249	\$ 26,443,278	\$ 25,695,040	\$ 15,154,653	\$ 27,025,400	\$ 29,598,482	\$ 28,495,831
	CHANGE FROM PREV YEAR	102.55%	104.85%	102.02%			102.20%		105.44%
450	FORFEITED DISCOUNTS	\$ 81,652	\$ 88,720	\$ 86,354	\$ 85,575	\$ 46,660	\$ 94,524	\$ 92,285	\$ 98,838
451	MISC SERVICE REVENUES	\$ 7,505	\$ 9,765	\$ 8,040	\$ 8,437	\$ 3,320	\$ 5,691	\$ 8,800	\$ 7,863
454	RENT FROM ELECTRIC PROPERTY	\$ 40,505	\$ 38,457	\$ 45,787	\$ 41,583	\$ 40,453	\$ 145,298	\$ 145,298	\$ 135,966
455	INTERDEPARTMENTAL RENTS	\$ 185,217	\$ 174,199	\$ 148,842	\$ 169,419	\$ 67,824	\$ 113,664	\$ 127,875	\$ 113,681
456	OTHER ELECTRIC REVENUE	\$ 13,278	\$ 13,897	\$ 9,033	\$ 12,069	\$ 4,111	\$ 8,800	\$ 9,319	\$ 8,975
	<b>TOTAL OTHER OPERATING REVENUES</b>	\$ 328,157	\$ 325,038	\$ 298,056	\$ 317,084	\$ 162,368	\$ 367,977	\$ 383,577	\$ 365,323
	<b>TOTAL OPERATING REVENUES</b>	\$ 25,049,749	\$ 26,245,287	\$ 26,741,334	\$ 26,012,123	\$ 15,317,022	\$ 27,393,377	\$ 29,982,059	\$ 28,861,154
	CHANGE FROM PREV YEAR	102.50%	104.77%	101.89%			102.44%		105.36%
555	PURCHASED POWER	\$ 21,183,743	\$ 21,692,926	\$ 21,818,886	\$ 21,565,185	\$ 12,656,004	\$ 22,265,727	\$ 25,121,555	\$ 23,423,764
	% OF ELECTRIC SALES	85.69%	83.69%	82.51%	83.93%		82.39%	84.87%	82.20%
	<b>TRANS &amp; DIST EXPENSE</b>								
562	TRANS-SUBSTATION EXPENSE LABOR								
	OTHER								
566	TRANS-OH LINE EXPENSE LABOR								
	OTHER								
571	TRANS-MISC EXPENSE LABOR								
	OTHER								
580	OPERATIONS SUPERVISION LABOR	\$ 41,990	\$ 46,252	\$ 54,993	\$ 47,745	\$ 31,950	\$ 54,771	\$ 50,957	\$ 68,515
	OTHER	\$ 5	\$ 3,759	\$ 737	\$ 1,500	\$ -	\$ 758	\$ 1,278	\$ 781

**2017 ELECTRIC OPERATING BUDGET - DETAIL**

		ACTUAL	ACTUAL	ACTUAL	3-year	Actual	Projected	Budget	Budget	
		2013	2014	2015	Average	7/31/2016	12/31/2016	2016	2017	
582	SUBSTATION EXP	LABOR	\$ 13,162	\$ 6,941	\$ 8,085	\$ 9,396	\$ 5,741	\$ 11,834	\$ 13,951	\$ 15,308
		OTHER	\$ 31,265	\$ 26,726	\$ 24,807	\$ 27,599	\$ 18,430	\$ 35,350	\$ 33,996	\$ 36,605
583	OVERHEAD LINE EXPENSE	LABOR	\$ 41,422	\$ 42,761	\$ 40,679	\$ 41,621	\$ 20,429	\$ 34,911	\$ 43,920	\$ 37,393
		OTHER	\$ 30,614	\$ 31,211	\$ 31,373	\$ 31,066	\$ 19,614	\$ 38,097	\$ 31,977	\$ 42,560
584	UNDERGROUND LINE EXP	LABOR	\$ 41,185	\$ 42,973	\$ 41,211	\$ 41,790	\$ 20,507	\$ 35,029	\$ 43,853	\$ 37,482
		OTHER	\$ 67,423	\$ 72,725	\$ 78,840	\$ 72,996	\$ 48,779	\$ 86,541	\$ 73,309	\$ 97,956
586	METER EXPENSE	LABOR	\$ 42,175	\$ 33,958	\$ 30,276	\$ 35,470	\$ 16,436	\$ 27,894	\$ 44,885	\$ 29,985
		OTHER	\$ 6,364	\$ 11,212	\$ 11,938	\$ 9,838	\$ 3,587	\$ 9,117	\$ 9,639	\$ 8,722
		CREDIT	\$ (7,563)	\$ (18,137)	\$ (8,245)	\$ (11,315)	\$ -	\$ (11,315)	\$ (11,786)	\$ (11,654)
588	MISC DISTRIBUTION EXP	LABOR	\$ 25,256	\$ 29,999	\$ 33,920	\$ 29,725	\$ 20,640	\$ 31,166	\$ 29,976	\$ 35,407
		OTHER	\$ 15,362	\$ 30,495	\$ 20,060	\$ 21,972	\$ 12,149	\$ 13,092	\$ 20,478	\$ 15,967
589	RENTS	LABOR								
		OTHER	12,751	12,330	10,805	\$ 11,962	\$ -	\$ 12,040	\$ 12,040	\$ 11,814
593	MAINT OF OH LINES	LABOR	\$ 85,136	\$ 98,858	\$ 92,254	\$ 92,083	\$ 37,514	\$ 52,563	\$ 110,398	\$ 66,072
		OTHER	\$ 90,257	\$ 104,990	\$ 84,996	\$ 93,414	\$ 43,212	\$ 95,168	\$ 92,972	\$ 95,204
594	MAINT OF URD LINES	LABOR	\$ 47,622	\$ 50,425	\$ 69,661	\$ 55,903	\$ 34,492	\$ 56,316	\$ 60,111	\$ 63,665
		OTHER	\$ 46,681	\$ 63,904	\$ 53,355	\$ 54,647	\$ 18,584	\$ 45,446	\$ 36,411	\$ 45,475
595	MAINT OF LINE TRANSFORMER	LABOR	\$ 8,093	\$ 4,741	\$ 3,741	\$ 5,525	\$ 175	\$ 392	\$ 4,872	\$ 2,089
		OTHER	\$ 25,741	\$ 18,373	\$ 6,794	\$ 16,969	\$ 157	\$ 16,875	\$ 20,770	\$ 15,375
		CREDIT	\$ (21,237)	\$ (10,745)	\$ (10,095)	\$ (14,026)	\$ -	\$ (14,026)	\$ (15,156)	\$ (12,639)
596	MAINT OF STREET LIGHTING	LABOR	\$ 60,626	\$ 76,146	\$ 66,052	\$ 67,608	\$ 30,846	\$ 52,747	\$ 70,947	\$ 66,194
		OTHER	\$ 50,966	\$ 58,759	\$ 42,491	\$ 50,739	\$ 17,940	\$ 49,320	\$ 52,469	\$ 49,347
597	MAINT OF METERS	LABOR								
		OTHER								
	TRANS & DISTRIB EXPENSE	LABOR	\$ 406,667	\$ 433,054	\$ 440,872	\$ 426,864	\$ 218,729	\$ 357,623	\$ 473,870	\$ 422,110
		OTHER	\$ 377,429	\$ 434,484	\$ 366,196	\$ 392,703	\$ 182,452	\$ 401,804	\$ 385,339	\$ 419,806
		CREDIT	\$ (28,800)	\$ (28,882)	\$ (18,340)	\$ (25,341)	\$ -	\$ (25,341)	\$ (26,942)	\$ (24,293)
	<b>TOTAL TRANS &amp; DISTRIB EXPENSES</b>		\$ 755,296	\$ 838,656	\$ 788,729	\$ 794,227	\$ 401,180	\$ 734,086	\$ 832,267	\$ 817,623
	CHANGE FROM PREV YEAR		108.82%	111.04%	94.05%			93.07%		111.38%

**2017 ELECTRIC OPERATING BUDGET - DETAIL**

		ACTUAL	ACTUAL	ACTUAL	3-year	Actual	Projected	Budget	Budget	
		2013	2014	2015	Average	7/31/2016	12/31/2016	2016	2017	
<b>CUSTOMER ACCOUNTS EXPENSE</b>										
902	METER READING EXPENSE	LABOR	\$ 34,263	\$ 34,835	\$ 33,944	\$ 34,347	\$ 21,294	\$ 35,730	\$ 36,766	\$ 41,856
		OTHER	\$ 5,633	\$ 10,081	\$ 13,183	\$ 9,632	\$ 7,535	\$ 13,200	\$ 13,178	\$ 13,373
903	CUST RECORDS & COLL.	LABOR	\$ 138,377	\$ 144,252	\$ 154,009	\$ 145,546	\$ 89,505	\$ 153,437	\$ 155,203	\$ 181,144
		OTHER	\$ 97,691	\$ 119,735	\$ 122,645	\$ 113,357	\$ 39,942	\$ 75,311	\$ 127,194	\$ 70,348
904	BAD DEBT WRITE OFFS	LABOR								
		OTHER	\$ -	\$ 1,313	\$ 786	\$ 700	\$ -	\$ 3,000	\$ 3,000	\$ 3,000
905	MISC CUSTOMER ACCOUNTS						\$ -			\$ -
906	CUST. SERV. & INFORMATION EXP.		\$ 90,000	\$ 27,530	\$ 41,000	\$ 52,843	\$ (1,866)	\$ (3,198)	\$ 41,000	\$ (3,198)
	TOTAL ACCT & COLL EXP	LABOR	\$ 172,640	\$ 179,087	\$ 187,953	\$ 179,893	\$ 110,799	\$ 189,167	\$ 191,969	\$ 223,000
		OTHER	\$ 193,324	\$ 158,659	\$ 177,614	\$ 176,532	\$ 45,611	\$ 88,313	\$ 184,372	\$ 83,523
	<b>TOTAL ACCT &amp; COLLECTION EXPENSE</b>		\$ 365,964	\$ 337,746	\$ 365,567	\$ 356,426	\$ 156,410	\$ 277,480	\$ 376,341	\$ 306,523
	CHANGE FROM PREV YEAR		101.93%	92.29%	108.24%			75.90%		110.47%
<b>ADM &amp; GEN EXPENSE</b>										
913	ADVERTISING EXPENSE	LABOR								
		OTHER	\$ 1,857	\$ 454	\$ 734	\$ 1,015	\$ 2,755	\$ 1,614	\$ 1,614	\$ 3,000
920	ADM & GEN SALARIES	LABOR	\$ 157,011	\$ 146,724	\$ 143,580	\$ 149,105	\$ 99,118	\$ 167,400	\$ 162,171	\$ 177,443
		OTHER	\$ 2,924	\$ 14,020	\$ 5,218	\$ 7,387	\$ 1,799	\$ 5,814	\$ 6,686	\$ 6,101
921	OFFICE SUPPLIES	LABOR								
		OTHER	\$ 18,649	\$ 18,039	\$ 17,789	\$ 18,159	\$ 15,972	\$ 25,903	\$ 18,410	\$ 23,835
923	OUTSIDE SERVICE EMPLOYED		\$ 17,326	\$ 29,264	\$ 24,747	\$ 23,779	\$ 15,907	\$ 36,496	\$ 22,540	\$ 48,918
924	PROPERTY INSURANCE		\$ 3,824	\$ 4,452	\$ 4,415	\$ 4,230	\$ 4,654	\$ 7,978	\$ 11,105	\$ 8,378
925	INJURY & DAMAGE INSURANCE		\$ 21,166	\$ 17,833	\$ 14,303	\$ 17,767	\$ 14,383	\$ 20,976	\$ 24,190	\$ 23,410
926	EMPLOYEE BENEFITS		\$ 310,681	\$ 348,468	\$ 359,558	\$ 339,569	\$ 178,316	\$ 325,110	\$ 346,465	\$ 366,497
928	REGULATORY COMM. EXPENSE		\$ 6,628	\$ 10	\$ 3,589	\$ 3,409	\$ 5,998	\$ 6,038	\$ 2,500	\$ -
929	DUPLICATE CHARGES		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



**2017 ELECTRIC OPERATING BUDGET - DETAIL**

		ACTUAL	ACTUAL	ACTUAL	3-year	Actual	Projected	Budget	Budget
		2013	2014	2015	Average	7/31/2016	12/31/2016	2016	2017
429	AMORT. OF PREMIUM ON DEBT (CREDIT)	\$ (5,190)	\$ (7,280)	\$ (11,417)	\$ (7,962)	\$ (6,368)	\$ (10,913)	\$ (10,913)	\$ (10,394)
431	OTHER INTEREST EXPENSE	\$ 11	\$ 6	\$ 5	\$ 7	\$ -	\$ 10	\$ 10	\$ 100
432	CAPITALIZED INTEREST	(54,297)	(103,317)	(89,166)	(82,260)	-	(10,261)	(46,129)	(155)
	INTEREST CHARGES	\$ 154,060	\$ 106,448	\$ 92,384	\$ 117,631	\$ 100,702	\$ 170,752	\$ 123,672	\$ 166,786
434	MISC. CREDITS TO SURPLUS	\$ -	\$ -	\$ 6,340	\$ 2,113	\$ -	\$ 4,000	\$ 12,000	\$ -
435	MISC. DEBITS TO SURPLUS	\$ -	\$ -	\$ (98,991)	\$ (32,997)	\$ -	\$ -	\$ -	\$ -
439	APPROP. OF INCOME TO MUNI FUNDS	\$ (2,165)	\$ (142)	\$ (2,443)	\$ (1,583)	\$ -	\$ (1,155)	\$ (1,404)	\$ (1,543)
	EARNED SURPLUS	\$ (2,165)	\$ (142)	\$ (95,094)	\$ (32,467)	\$ -	\$ 2,845	\$ 10,596	\$ (1,543)
	<b>NET INCOME (LOSS)</b>	<b>\$ 856,324</b>	<b>\$ 1,530,990</b>	<b>\$ 1,382,267</b>	<b>\$ 1,256,527</b>	<b>\$ 710,473</b>	<b>\$ 1,749,991</b>	<b>\$ 1,394,758</b>	<b>\$ 1,658,760</b>

**2017 WATER OPERATING BUDGET - SUMMARY**

	ACTUAL 2013	ACTUAL 2014	ACTUAL 2015	3 YEAR AVERAGE	ACTUAL 7/31/2016	PROJECTED 12/31/2016	BUDGET 2016	BUDGET 2017
UNMETERED SALES	\$ 6,459	\$ 6,351	\$ 4,914	\$ 5,908	\$ 4,105	\$ 7,038	\$ 7,084	\$ 6,000
METERED SALES - RESIDENTIAL	\$ 1,567,770	\$ 1,571,685	\$ 1,610,726	\$ 1,583,394	\$ 1,016,782	\$ 1,743,055	\$ 1,736,943	\$ 1,794,208
METERED SALES - MULTIFAMILY RES								
METERED SALES - COMMERCIAL	\$ 480,423	\$ 320,904	\$ 346,307	\$ 382,545	\$ 210,308	\$ 360,528	\$ 364,645	\$ 371,343
METERED SALES - INDUSTRIAL	\$ 58,494	\$ 52,781	\$ 48,213	\$ 53,163	\$ 29,190	\$ 50,039	\$ 60,505	\$ 60,240
PRIVATE FIRE PROTECTION	\$ 53,597	\$ 56,302	\$ 60,851	\$ 56,917	\$ 35,888	\$ 61,523	\$ 61,134	\$ 64,000
PUBLIC FIRE PROTECTION	\$ 597,043	\$ 620,472	\$ 644,918	\$ 620,811	\$ 427,125	\$ 732,214	\$ 730,623	\$ 743,923
SALES TO PUBLIC AUTHORITY	\$ 28,091	\$ 35,693	\$ 34,724	\$ 32,836	\$ 17,861	\$ 30,618	\$ 36,887	\$ 37,675
INTERDEPT SALES	\$ 663	\$ 699	\$ 701	\$ 688	\$ 439	\$ 752	\$ 756	\$ 700
TOTAL WATER SALES	\$ 2,799,656	\$ 2,844,068	\$ 2,930,914	\$ 2,858,213	\$ 1,854,950	\$ 2,985,768	\$ 2,998,577	\$ 3,078,089
CHANGE FROM PREV YEAR	97.08%	101.59%	103.05%			108.50%	101.58%	103.43%
FORFEITED DISCOUNTS	\$ 12,733	\$ 12,594	\$ 12,733	\$ 12,687	\$ 8,429	\$ 14,450	\$ 14,606	\$ 14,762
MISC SERVICE REVENUE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RENTS FROM WATER PROPERTY	\$ 239,601	\$ 242,866	\$ 279,027	\$ 253,831	\$ 281,438	\$ 215,199	\$ 214,346	\$ 220,357
INTERDEPARTMENTAL RENTS	\$ 9,000	\$ 9,000	\$ 9,000	\$ 9,000	\$ -	\$ -	\$ -	\$ -
OTHER WATER REVENUES	\$ 22,899	\$ 26,929	\$ 27,226	\$ 25,685	\$ 1,820	\$ 24,623	\$ 25,400	\$ 27,036
TOTAL OPERATING REVENUE	\$ 3,083,889	\$ 3,135,457	\$ 3,258,899	\$ 3,159,415	\$ 2,146,637	\$ 3,434,186	\$ 3,484,373	\$ 3,551,144
CHANGE FROM PREV YEAR	97.65%	101.67%	103.94%			105.38%	94.69%	103.41%
TOTAL PUMPING EXPENSES	\$ 258,382	\$ 237,190	\$ 261,588	\$ 252,387	\$ 142,124	\$ 229,172	\$ 259,565	\$ 258,781
TOTAL TRANS & DIST EXP	\$ 350,083	\$ 430,607	\$ 375,201	\$ 385,297	\$ 167,683	\$ 303,741	\$ 782,507	\$ 737,733
TOTAL ACCT & COLL EXP	\$ 148,933	\$ 170,066	\$ 162,340	\$ 160,446	\$ 154,558	\$ 131,872	\$ 153,305	\$ 144,332
TOTAL OF ADMIN & GEN EXP	\$ 590,371	\$ 576,748	\$ 577,466	\$ 581,528	\$ 325,312	\$ 549,871	\$ 574,779	\$ 542,277
DEPRECIATION	\$ 435,522	\$ 454,094	\$ 477,902	\$ 455,839	\$ 315,651	\$ 498,297	\$ 498,190	\$ 533,300
TAXES	\$ 842,277	\$ 819,700	\$ 836,623	\$ 832,867	\$ 533,547	\$ 905,709	\$ 929,132	\$ 965,580
TOTAL OPERATING EXPENSES	\$ 2,625,568	\$ 2,688,405	\$ 2,691,120	\$ 2,668,364	\$ 1,638,875	\$ 2,618,663	\$ 3,197,478	\$ 3,182,002
CHANGE FROM PREV YEAR	104.46%	102.39%	100.10%			97.31%	113.81%	121.51%
<b>NET OPERATING INCOME (LOSS)</b>	<b>\$ 458,321</b>	<b>\$ 447,052</b>	<b>\$ 567,779</b>	<b>\$ 491,051</b>	<b>\$ 507,762</b>	<b>\$ 815,523</b>	<b>\$ 286,895</b>	<b>\$ 369,142</b>

**2017 WATER OPERATING BUDGET - SUMMARY**

	ACTUAL	ACTUAL	ACTUAL	3 YEAR	ACTUAL	PROJECTED	BUDGET	BUDGET
	2013	2014	2015	AVERAGE	7/31/2016	12/31/2016	2016	2017
NONOPERATING INCOME	\$ 136,184	\$ 1,108,280	\$ 821,833	\$ 688,766	\$ 2,944	\$ 578,988	\$ 993,255	\$ 1,056,768
MISCELLANEOUS INCOME DEDUCTIONS	\$ (289,072)	\$ (298,466)	\$ (314,057)	\$ (300,532)	\$ -	\$ (327,374)	\$ (329,183)	\$ (344,628)
INTEREST CHARGES	\$ 190,103	\$ 122,057	\$ 130,382	\$ 147,514	\$ 69,115	\$ 185,002	\$ 116,127	\$ 148,639
EARNED SURPLUS	\$ -	\$ -	\$ (49,136)	\$ (16,379)	\$ -	\$ -	\$ -	\$ -
<b>NET INCOME (LOSS)</b>	<b>\$ 115,330</b>	<b>\$ 1,134,809</b>	<b>\$ 896,037</b>	<b>\$ 715,392</b>	<b>\$ 441,591</b>	<b>\$ 882,135</b>	<b>\$ 834,840</b>	<b>\$ 932,643</b>

**2017 WATER OPERATING BUDGET - DETAIL**

		ACTUAL	ACTUAL	ACTUAL	3 YEAR	ACTUAL	PROJECTED	BUDGET	BUDGET
		2013	2014	2015	AVERAGE	7/31/2016	12/31/2016	2016	2017
460	UNMETERED SALES	\$ 6,459	\$ 6,351	\$ 4,914	5,908	\$ 4,105	\$ 7,038	\$ 7,084	\$ 6,000
461-1	METERED SALES - RESIDENTIAL	\$ 1,567,770	\$ 1,571,685	\$ 1,610,726	1,583,394	\$ 1,016,782	\$ 1,743,055	\$ 1,736,943	\$ 1,794,208
	METERED SALES - MULTIFAMILY RES	\$ 7,116	\$ 179,181	\$ 179,559	121,952	\$ 113,252	\$ 194,147	\$ 231,444	\$ 210,900
461-2	METERED SALES - COMMERCIAL	\$ 480,423	\$ 320,904	\$ 346,307	382,545	\$ 210,308	\$ 360,528	\$ 364,645	\$ 371,343
461-3	METERED SALES - INDUSTRIAL	\$ 58,494	\$ 52,781	\$ 48,213	53,163	\$ 29,190	\$ 50,039	\$ 60,505	\$ 60,240
462	PRIVATE FIRE PROTECTION	\$ 53,597	\$ 56,302	\$ 60,851	56,917	\$ 35,888	\$ 61,523	\$ 61,134	\$ 64,000
463	PUBLIC FIRE PROTECTION	\$ 597,043	\$ 620,472	\$ 644,918	620,811	\$ 427,125	\$ 732,214	\$ 730,623	\$ 743,923
464	SALES TO PUBLIC AUTHORITY	\$ 28,091	\$ 35,693	\$ 34,724	32,836	\$ 17,861	\$ 30,618	\$ 36,887	\$ 37,675
467	INTERDEPT SALES	\$ 663	\$ 699	\$ 701	688	\$ 439	\$ 752	\$ 756	\$ 700
	TOTAL WATER SALES	\$ 2,799,656	\$ 2,844,068	\$ 2,930,914	2,858,213	\$ 1,854,950	\$ 3,179,914	\$ 3,230,021	\$ 3,288,989
	CHANGE FROM PREV YEAR	97.08%	101.59%	103.05%			108.50%		103.43%
470	FORFEITED DISCOUNTS	\$ 12,733	\$ 12,594	\$ 12,733	12,687	\$ 8,429	\$ 14,450	\$ 14,606	\$ 14,762
471	MISC SERVICE REVENUE	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -
472	RENTS FROM WATER PROPERTY	\$ 239,601	\$ 242,866	\$ 279,027	253,831	\$ 281,438	\$ 215,199	\$ 214,346	\$ 220,357
473	INTERDEPARTMENTAL RENTS	\$ 9,000	\$ 9,000	\$ 9,000	9,000	\$ -	\$ -	\$ -	\$ -
474	OTHER WATER REVENUES	\$ 22,899	\$ 26,929	\$ 27,226	25,685	\$ 1,820	\$ 24,623	\$ 25,400	\$ 27,036
	TOTAL OPERATING REVENUE	\$ 3,083,889	\$ 3,135,457	\$ 3,258,899	3,159,415	\$ 2,146,637	\$ 3,434,186	\$ 3,484,373	\$ 3,551,144
	CHANGE FROM PREV YEAR	97.65%	101.67%	103.94%			105.38%		103.41%
623	POWER FOR PUMPING	\$ -			-	\$ -	\$ -		
	LABOR								
	OTHER	\$ 156,551	\$ 147,161	\$ 165,174	156,295	\$ 95,417	\$ 148,131	\$ 158,500	\$ 152,529
624	PUMPING LABOR & EXPENSES	\$ 42,961	\$ 44,171	\$ 47,033	44,722	\$ 25,447	\$ 43,239	\$ 46,516	\$ 47,470
	LABOR								
	OTHER	\$ 15,294	\$ 27,180	\$ 10,866	17,780	\$ 4,710	\$ 9,445	\$ 17,260	\$ 17,181
626	MISC EXPENSES	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	LABOR								
	OTHER	\$ 7,684	\$ 4,698	\$ 4,973	5,785	\$ 2,759	\$ 4,730	\$ 4,840	\$ 4,800
631	MAINT OF STRUCT & IMPROV	\$ 5,829	\$ 4,329	\$ 5,100	5,086	\$ 4,697	\$ 8,086	\$ 5,337	\$ 13,470
	LABOR								
	OTHER	\$ 3,445	\$ 3,072	\$ 2,751	3,089	\$ 910	\$ 2,406	\$ 3,395	\$ 3,090
633	MAINT OF PUMP EQUIP	\$ 4,746	\$ 4,378	\$ 12,809	7,311	\$ 6,068	\$ 9,725	\$ 5,667	\$ 7,921
	LABOR								
	OTHER	\$ 21,872	\$ 2,201	\$ 12,883	12,319	\$ 2,116	\$ 3,410	\$ 18,050	\$ 12,320

**2017 WATER OPERATING BUDGET - DETAIL**

		ACTUAL	ACTUAL	ACTUAL	3 YEAR	ACTUAL	PROJECTED	BUDGET	BUDGET
		2013	2014	2015	AVERAGE	7/31/2016	12/31/2016	2016	2017
	TOTAL PUMPING EXPENSES								
	LABOR	\$ 53,536	\$ 52,878	\$ 64,942	57,119	\$ 36,212	\$ 61,050	\$ 57,520	\$ 68,861
	OTHER	\$ 204,846	\$ 184,312	\$ 196,646	195,268	\$ 105,912	\$ 168,122	\$ 202,045	\$ 189,920
	<b>TOTAL PUMPING EXPENSES</b>	<b>\$ 258,382</b>	<b>\$ 237,190</b>	<b>\$ 261,588</b>	<b>\$ 252,387</b>	<b>\$ 142,124</b>	<b>\$ 229,172</b>	<b>\$ 259,565</b>	<b>\$ 258,781</b>
	CHANGE FROM PREV YEAR	104.21%	91.80%	110.29%			87.61%		112.92%
641	CHEMICALS								
	LABOR	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -
	OTHER	\$ 21,023	\$ 17,484	\$ 24,328	20,945	\$ 11,622	\$ 19,924	\$ 20,190	\$ 20,945
642	OPERATIONS								
	LABOR	\$ 14,010	\$ 14,636	\$ 16,764	15,137	\$ 9,987	\$ 16,445	\$ 15,310	\$ 16,062
	OTHER	\$ 5,382	\$ 4,606	\$ 5,125	5,038	\$ 2,860	\$ 4,717	\$ 4,500	\$ 5,040
660	OPERATIONS SUPERVISION								
	LABOR	\$ 64,953	\$ 67,512	\$ 41,163	57,876	\$ 1,389	\$ 2,438	\$ 34,940	\$ 22,933
	OTHER	\$ 5	\$ 5,226	\$ 289	1,840	\$ 465	\$ 500	\$ 1,797	\$ 250
661	STORAGE FACILITY								
	LABOR								
	OTHER								
662	TRANS & DIST. EXPENSES								
	LABOR	\$ 32,606	\$ 36,776	\$ 35,304	34,895	\$ 15,970	\$ 27,376	\$ 38,223	\$ 31,753
	OTHER	\$ 5,031	\$ 6,414	\$ 3,412	4,952	\$ 1,826	\$ 3,131	\$ 5,650	\$ 3,663
663	METER EXPENSES								
	LABOR	\$ 46,628	\$ 34,542	\$ 16,622	32,597	\$ 7,512	\$ 12,690	\$ 43,340	\$ 26,449
	OTHER	\$ 16,316	\$ 18,851	\$ 11,616	15,594	\$ 1,111	\$ 6,070	\$ 15,700	\$ 12,695
	CREDIT	\$ (31,472)	\$ (25,288)	\$ (14,119)	(23,626)	\$ -	\$ (9,380)	\$ (29,520)	\$ (19,572)
665	MISC. EXPENSES								
	LABOR	\$ 4,661	\$ 1,336	\$ 2,176	2,724	\$ 1,784	\$ 2,766	\$ 3,551	\$ 1,883
	OTHER	\$ 2,465	\$ 741	\$ 839	1,348	\$ 408	\$ 2,255	\$ 2,255	\$ 2,900
671	MAINT OF STRUCT & IMPROV								
	LABOR								
	OTHER								
672	MAINT. RESERVOIRS & PIPES								
	LABOR	\$ 1,393	\$ 1,134	\$ 965	1,164	\$ 676	\$ 1,194	\$ 1,302	\$ 2,653
	OTHER	\$ 5,908	\$ 5,875	\$ 756	4,180	\$ 158	\$ 361	\$ 394,890	\$ 390,618
673	MAINT OF TRAN & DIST MAINS								
	LABOR	\$ 43,220	\$ 56,129	\$ 64,142	54,497	\$ 33,725	\$ 57,814	\$ 59,394	\$ 46,759
	OTHER	\$ 51,813	\$ 75,941	\$ 89,133	72,296	\$ 25,359	\$ 74,840	\$ 74,840	\$ 82,370

**2017 WATER OPERATING BUDGET - DETAIL**

		ACTUAL	ACTUAL	ACTUAL	3 YEAR	ACTUAL	PROJECTED	BUDGET		
		2013	2014	2015	AVERAGE	7/31/2016	12/31/2016	2016	BUDGET	
									2017	
675	MAINT OF SERVICES	LABOR	\$ 35,613	\$ 47,542	\$ 45,296	42,817	\$ 31,286	\$ 35,403	\$ 44,128	\$ 46,077
		OTHER	\$ 7,366	\$ 35,517	\$ 13,024	18,636	\$ 9,332	\$ 18,020	\$ 26,220	\$ 18,025
676	MAINT OF METERS	LABOR								
		OTHER								
		CREDIT								
677	MAINT OF HYDRANTS	LABOR	\$ 16,352	\$ 14,134	\$ 12,150	14,212	\$ 9,944	\$ 17,783	\$ 16,403	\$ 18,055
		OTHER	\$ 6,810	\$ 11,499	\$ 6,217	8,175	\$ 2,270	\$ 9,394	\$ 9,394	\$ 8,175
678	MAINT OF MISC PLANT	LABOR								
		OTHER								
	TOTAL TRANS & DIST EXP	LABOR	\$ 259,436	\$ 273,741	\$ 234,581	255,919	\$ 112,272	\$ 173,909	\$ 256,591	\$ 212,624
		OTHER	\$ 122,119	\$ 182,154	\$ 154,739	153,004	\$ 55,411	\$ 139,212	\$ 555,436	\$ 544,681
		CREDIT	\$ (31,472)	\$ (25,288)	\$ (14,119)	(23,626)	\$ -	\$ (9,380)	\$ (29,520)	\$ (19,572)
	<b>TOTAL TRANS &amp; DIST EXP</b>		\$ 350,083	\$ 430,607	\$ 375,201	385,297	\$ 167,683	\$ 303,741	\$ 782,507	\$ 737,733
	CHANGE FROM PREV YEAR		104.73%	123.00%	87.13%			80.95%		242.88%
902	METER READING EXPENSE	LABOR	\$ 32,438	\$ 33,995	\$ 32,693	33,042	\$ 20,797	\$ 34,874	\$ 35,723	\$ 41,614
		OTHER	\$ 5,550	\$ 8,626	\$ 7,893	7,356	\$ 4,765	\$ 8,383	\$ 11,260	\$ 8,301
		CREDIT	\$ (18,994)	\$ (20,008)	\$ (20,293)	(19,765)	\$ -	\$ (21,629)	\$ (23,491)	\$ (24,958)
903	CUSTOMER RECORD & COLL	LABOR	\$ 120,663	\$ 125,434	\$ 132,638	126,245	\$ 70,927	\$ 120,388	\$ 132,339	\$ 129,966
		OTHER	\$ 99,215	\$ 118,882	\$ 111,291	109,796	\$ 57,794	\$ 98,552	\$ 126,287	\$ 107,785
		CREDIT	\$ (109,939)	\$ (117,246)	\$ (121,965)	(116,383)	\$ -	\$ (109,470)	\$ (129,313)	\$ (118,876)
904	UNCOLLECTIBLE ACCOUNTS	LABOR						\$ -	\$ -	
		OTHER	\$ -	\$ 383	\$ 83	155	\$ -	\$ 500	\$ 500	\$ 500
906	CUST. SERV. & INFO. EXP.	OTHER	\$ 20,000	\$ 20,000	\$ 20,000	20,000	\$ 274	\$ 274	\$ -	\$ -
	TOTAL ACCT & COLL EXP	LABOR	\$ 153,101	\$ 159,429	\$ 165,331	159,287	\$ 91,725	\$ 155,262	\$ 168,062	\$ 171,580
		OTHER	\$ 124,765	\$ 147,891	\$ 139,266	137,307	\$ 62,833	\$ 107,709	\$ 138,047	\$ 116,586

**2017 WATER OPERATING BUDGET - DETAIL**

		ACTUAL	ACTUAL	ACTUAL	3 YEAR	ACTUAL	PROJECTED	BUDGET	BUDGET
		2013	2014	2015	AVERAGE	7/31/2016	12/31/2016	2016	2017
	CREDIT	\$ (128,933)	\$ (137,254)	\$ (142,257)	(136,148)	\$ -	\$ (131,099)	\$ (152,804)	\$ (143,834)
	<b>TOTAL ACCT &amp; COLL EXP</b>	\$ 148,933	\$ 170,066	\$ 162,340	160,446	\$ 154,558	\$ 131,872	\$ 153,305	\$ 144,332
	CHANGE FROM PREV YEAR	107.49%	114.19%	95.46%			81.23%	57.86%	109.45%
920	ADM & GEN SALARIES	\$ 117,298	\$ 114,836	\$ 127,415	119,850	\$ 74,520	\$ 126,252	\$ 132,218	\$ 128,987
	LABOR								
	OTHER	\$ 2,902	\$ 12,090	\$ 4,857	6,616	\$ 1,658	\$ 4,617	\$ 6,069	\$ 4,958
921	OFFICE EXPENSES								
	LABOR								
	OTHER	\$ 16,106	\$ 15,081	\$ 14,178	15,122	\$ 11,900	\$ 23,380	\$ 15,120	\$ 23,400
923	OUTSIDE SERVICES	\$ 19,278	\$ 25,033	\$ 21,613	21,975	\$ 12,334	\$ 35,585	\$ 35,813	\$ 20,949
924	PROPERTY INSURANCE	\$ 3,903	\$ 4,544	\$ 4,150	4,199	\$ 3,554	\$ 6,093	\$ 8,637	\$ 6,397
925	INJURY & DAMAGES	\$ 12,635	\$ 17,529	\$ 13,196	14,453	\$ 10,940	\$ 15,600	\$ 18,815	\$ 17,500
926	EMPLOYEE BENEFITS	\$ 200,317	\$ 199,867	\$ 206,280	202,155	\$ 120,977	\$ 190,806	\$ 199,666	\$ 190,755
928	REGULATORY COMM. EXP	\$ -	\$ 104	\$ 3,651	1,252	\$ 1,186	\$ 1,186	\$ -	\$ 100
930	MISC GENERAL EXP	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -
	LABOR								
	OTHER	\$ 14,352	\$ 10,809	\$ 15,991	13,717	\$ 9,438	\$ 14,990	\$ 14,200	\$ 14,036
931	RENTS	\$ 178,614	\$ 168,018	\$ 151,888	166,173	\$ 70,560	\$ 118,551	\$ 129,583	\$ 121,436
932	MAINT OF GEN PLANT	\$ 6,822	\$ 5,319	\$ 5,664	5,935	\$ 2,725	\$ 4,779	\$ 6,551	\$ 6,847
	LABOR								
	OTHER	\$ 18,144	\$ 3,518	\$ 8,582	10,081	\$ 5,521	\$ 8,032	\$ 8,107	\$ 6,912
	TOTAL OF ADMIN & GEN EXP	\$ 124,120	\$ 120,155	\$ 133,079	125,785	\$ 77,245	\$ 131,031	\$ 138,769	\$ 135,834
	LABOR								
	OTHER	\$ 466,251	\$ 456,593	\$ 444,387	455,744	\$ 248,068	\$ 418,840	\$ 436,010	\$ 406,443
	<b>TOTAL OF ADMIN &amp; GEN EXP</b>	\$ 590,371	\$ 576,748	\$ 577,466	581,528	\$ 325,312	\$ 549,871	\$ 574,779	\$ 542,277
	CHANGE FROM PREV YEAR	104.00%	97.69%	100.12%			95.22%		98.62%
403	DEPRECIATION	470,959	492,821	519,467	494,416	\$ 315,651	\$ 543,524	\$ 543,417	\$ 583,094
	CREDIT	(35,437)	(38,727)	(41,565)	(38,576)	\$ -	\$ (45,227)	\$ (45,227)	\$ (49,794)
408	TAXES	854,065	831,724	849,674	845,154	\$ 533,547	\$ 920,035	\$ 943,458	\$ 980,553

**2017 WATER OPERATING BUDGET - DETAIL**

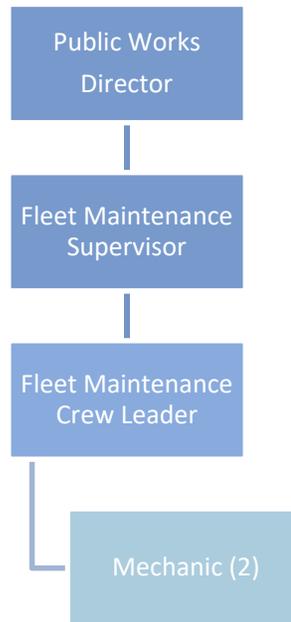
		ACTUAL	ACTUAL	ACTUAL	3 YEAR	ACTUAL	PROJECTED	BUDGET	BUDGET
		2013	2014	2015	AVERAGE	7/31/2016	12/31/2016	2016	2017
	CREDIT	(11,788)	(12,024)	(13,051)	(12,288)	\$ -	\$ (14,326)	\$ (14,326)	\$ (14,973)
	TOTAL TAXES & DEPRECIATION	\$ 1,277,799	\$ 1,273,794	\$ 1,314,525	1,288,706	\$ 849,198	\$ 1,404,006	\$ 1,427,322	\$ 1,498,880
	TOTAL OPERATING EXPENSES LABOR	\$ 590,193	\$ 606,203	\$ 597,933	598,110	\$ 317,453	\$ 521,252	\$ 620,942	\$ 588,899
	OTHER	\$ 2,243,005	\$ 2,295,495	\$ 2,304,179	2,280,893	\$ 1,321,422	\$ 2,297,442	\$ 2,818,413	\$ 2,821,276
	CREDIT	\$ (207,630)	\$ (213,293)	\$ (210,993)	(210,639)	\$ -	\$ (200,032)	\$ (241,877)	\$ (228,173)
	<b>TOTAL OPERATING EXPENSES</b>	<b>\$ 2,625,568</b>	<b>\$ 2,688,405</b>	<b>\$ 2,691,120</b>	<b>2,668,364</b>	<b>\$ 1,638,875</b>	<b>\$ 2,618,663</b>	<b>\$ 3,197,478</b>	<b>\$ 3,182,002</b>
	CHANGE FROM PREV YEAR	104.46%	102.39%	100.10%			97.31%		121.51%
	<b>NET OPERATING INCOME (LOSS)</b>	<b>\$ 458,321</b>	<b>\$ 447,052</b>	<b>\$ 567,779</b>	<b>\$ 491,051</b>	<b>\$ 507,762</b>	<b>\$ 815,523</b>	<b>\$ 286,895</b>	<b>\$ 369,142</b>
419	INTEREST AND DIVIDEND INCOME	\$ 4,186	\$ 4,840	\$ 5,932	4,986	\$ 2,944	\$ 12,208	\$ 3,605	\$ 18,088
421	MISC NONOPERATING INCOME--CIAC	\$ 131,998	\$ 1,103,440	\$ 815,901	683,780	\$ -	\$ 566,780	\$ 989,650	\$ 1,038,680
	NON-OPERATING INCOME	\$ 136,184	\$ 1,108,280	\$ 821,833	688,766	\$ 2,944	\$ 578,988	\$ 993,255	\$ 1,056,768
425	MISCELLANEOUS AMORTIZATION	\$ 50,618	\$ 50,618	\$ 50,618	50,618	\$ -	\$ 50,618	\$ 50,618	\$ 50,618
426	OTHER INCOME DEDUCTIONS-CIAC	\$ (339,690)	\$ (349,084)	\$ (364,675)	(351,150)	\$ -	\$ (377,992)	\$ (379,801)	\$ (395,246)
	MISCELLANEOUS INCOME DEDUCTIONS	\$ (289,072)	\$ (298,466)	\$ (314,057)	(300,532)	\$ -	\$ (327,374)	\$ (329,183)	\$ (344,628)
427	INTEREST ON LONG-TERM DEBT	\$ 136,417	\$ 136,852	\$ 133,569	135,613	\$ 71,123	\$ 131,787	\$ 119,575	\$ 171,067
428	AMORT. OF DEBT DISCOUNT & EXPENSE	\$ 71,558	\$ 20,952	\$ 4,294	32,268	\$ 1,991	\$ 60,079	\$ 3,416	\$ 2,213
429	AMORTIZATION OF PREMIUM ON DEBT (CR)	\$ (6,446)	\$ (6,677)	\$ (7,481)	(6,868)	\$ (3,999)	\$ (6,864)	\$ (6,864)	\$ (6,229)
432	INTEREST CHARGED TO CONSTRUCTION (CR)	\$ (11,426)	\$ (29,070)	\$ -	(13,499)	\$ -	\$ -	\$ -	\$ (18,412)
	INTEREST CHARGES	\$ 190,103	\$ 122,057	\$ 130,382	147,514	\$ 69,115	\$ 185,002	\$ 116,127	\$ 148,639
434	MISCELLANEOUS CREDITS TO SURPLUS	\$ -	\$ -	\$ 511	170	\$ -	\$ -	\$ -	\$ -
435	MISCELLANEOUS DEBITS TO SURPLUS	\$ -	\$ -	\$ (49,646)	(16,549)	\$ -	\$ -	\$ -	\$ -
	EARNED SURPLUS	\$ -	\$ -	\$ (49,136)	(16,379)	\$ -	\$ -	\$ -	\$ -
	<b>NET INCOME (LOSS)</b>	<b>\$ 115,330</b>	<b>\$ 1,134,809</b>	<b>\$ 896,037</b>	<b>\$ 715,392</b>	<b>\$ 441,591</b>	<b>\$ 882,135</b>	<b>\$ 834,840</b>	<b>\$ 932,643</b>

## 2017 TELECOM OPERATING BUDGET

		ACTUAL	ACTUAL	ACTUAL	3 YEAR	ACTUAL	PROJECTED	BUDGET	BUDGET
		2013	2014	2015	AVERAGE	7/31/2016	12/31/2016	2016	2017
	<b>OPERATING REVENUE</b>								
410-00-2020	Internet Access	\$ 187,205	\$ 207,001	\$ 258,084	\$ 217,430	\$ 220,418	\$ 408,839	\$ 371,566	\$ 574,861
410-00-2022	Internet Installation	\$ 8,426	\$ 28,531	\$ 17,232	\$ 18,063	\$ 7,368	\$ 12,368	\$ 13,500	\$ 12,500
410-00-2034	Network Services	\$ 644	\$ -	\$ -	\$ 215	\$ -	\$ -	\$ -	\$ 720
410-00-2028	Wireless Internet Access	\$ 59,682	\$ 35,455	\$ 18,828	\$ 37,988	\$ 465	\$ 465	\$ -	\$ -
410-00-2027	Wireless Internet Installation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
410-00-2029	Wireless Internet E-Mails	\$ 1,083	\$ 872	\$ 957	\$ 971	\$ 72	\$ 60	\$ 950	\$ -
410-00-2025	WAN Installation Fees	\$ 4,500	\$ 10,570	\$ 7,266	\$ 7,445	\$ -	\$ 4,680	\$ -	\$ -
410-00-2026	WAN revenue	\$ 182,252	\$ 183,577	\$ 197,155	\$ 187,661	\$ 122,873	\$ 212,815	\$ 206,525	\$ 210,900
410-00-2030	Colocation, Routers & Equipment	\$ 7,200	\$ 7,200	\$ 7,200	\$ 7,200	\$ 4,200	\$ 7,200	\$ 7,200	\$ 7,200
410-00-2032	Web Hosting Setup/Domain Fees	\$ 31	\$ 30	\$ 30	\$ 30	\$ -	\$ -	\$ 30	\$ -
410-00-2033	Web hosting	\$ 731	\$ 451	\$ 434	\$ 539	\$ 41	\$ 41	\$ 432	\$ -
410-00-2031	Customer Late Penalties	\$ 795	\$ 615	\$ 957	\$ 789	\$ 745	\$ 1,067	\$ 835	\$ 1,330
456	Other Internet Revenue	\$ 62	\$ 61	\$ 71	\$ 65	\$ 871	\$ 916	\$ 77	\$ -
455	Interdepartmental Rents	\$ 15,180	\$ 14,952	\$ 28,320	\$ 19,484	\$ 17,920	\$ 30,720	\$ 29,520	\$ 35,640
451	Misc. Service Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>TOTAL OPERATING REVENUES</b>	\$ 467,791	\$ 489,315	\$ 536,534	\$ 497,880	\$ 374,974	\$ 679,171	\$ 630,635	\$ 843,151
	<b>OPERATING EXPENSES</b>								
411-00-2020	Internet Access Expense	\$ 95,720	\$ 100,246	\$ 113,180	\$ 103,049	\$ 72,246	\$ 127,880	\$ 112,779	\$ 188,267
411-00-2028	Wireless Internet Access Exp.	\$ 7,200	\$ 7,200	\$ 7,200	\$ 7,200	\$ -	\$ -	\$ 7,200	\$ -
411-00-2032	Web Hosting/Domain Fee Expenses	\$ 31		\$ 30	\$ 20	\$ -	\$ -	\$ 30	\$ -
411-00-2034	Commissions Exp. - Network Services	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
580	Operation Supervision & Eng.	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
582	Station Expenses	\$ 1,166	\$ 1,626	\$ 2,131	\$ 1,641	\$ 2,796	\$ 3,329	\$ 1,400	\$ 28,281
583	Overhead Line Expense	\$ 655	\$ 1,009	\$ 2,184	\$ 1,283	\$ 1,073	\$ 2,109	\$ 910	\$ 2,308
584	Underground Line Expense	\$ 5,404	\$ 4,413	\$ 6,750	\$ 5,522	\$ 8,046	\$ 14,813	\$ 4,950	\$ 23,466
587	Network Services Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
588	Miscellaneous Distribution Expense	\$ -	\$ 84,710	\$ 5,300	\$ 30,003	\$ 1,029	\$ 1,178	\$ 2,000	\$ 2,506
593	Maint. of OH Lines Exp.	\$ 358	\$ 185	\$ 1,247	\$ 597	\$ 389	\$ 1,209	\$ 450	\$ 1,906
594	Maint. of URD Lines Exp.	\$ 855	\$ 2,208	\$ 5,091	\$ 2,718	\$ 1,114	\$ 2,312	\$ 1,410	\$ 3,043
598	Maint. of Misc Distrib. Plant Exp.	\$ 756	\$ 970	\$ 795	\$ 840	\$ 182	\$ 952	\$ 870	\$ 868
903	Customer Records & Coll. Exp	\$ 16,071	\$ 18,450	\$ 19,867	\$ 18,129	\$ 15,459	\$ 24,655	\$ 21,610	\$ 43,649
904	Uncollectible Accounts	\$ 290	\$ 148	\$ (82)	\$ 119	\$ -	\$ 500	\$ 500	\$ 500
913	Advertising Expense	\$ 37	\$ 69	\$ 4,437	\$ 1,514	\$ 246	\$ 421	\$ 12,000	\$ 5,000
920	Admin. & General Salaries	\$ 60,534	\$ 45,544	\$ 40,598	\$ 48,892	\$ 18,925	\$ 32,002	\$ 40,370	\$ 29,069
921	Office Supplies & Expenses	\$ 2,375	\$ 2,680	\$ 2,632	\$ 2,562	\$ 3,134	\$ 4,471	\$ 2,605	\$ 4,500
923	Outside Services Employed	\$ 23,766	\$ 32,487	\$ 1,264	\$ 19,172	\$ 12,897	\$ 23,484	\$ 8,560	\$ 21,242
924	Property Insurance	\$ 239	\$ 278	\$ 265	\$ 261	\$ 254	\$ 435	\$ 823	\$ 457

## 2017 TELECOM OPERATING BUDGET

		ACTUAL	ACTUAL	ACTUAL	3 YEAR	ACTUAL	PROJECTED	BUDGET	BUDGET
		2013	2014	2015	AVERAGE	7/31/2016	12/31/2016	2016	2017
925	Injuries & Damages	\$ 774	\$ 1,073	\$ 899	\$ 915	\$ 794	\$ 1,114	\$ 1,792	\$ 1,250
926	Employee Pensions & Benefits	\$ 15,482	\$ 10,984	\$ 9,337	\$ 11,934	\$ 2,527	\$ 12,107	\$ 10,510	\$ 32,692
930	Misc General Expense	\$ 5,816	\$ 2,270	\$ 5,619	\$ 4,568	\$ 897	\$ 3,730	\$ 4,670	\$ 5,777
931	Rents	\$ 24,760	\$ 24,254	\$ 22,995	\$ 24,003	\$ 7,204	\$ 12,153	\$ 15,332	\$ 12,370
932	Maintenance of General Plant	\$ 1,536	\$ 707	\$ 1,077	\$ 1,107	\$ 544	\$ 841	\$ 1,034	\$ 1,104
	<b>TOTAL OPERATION &amp; MAINT. EXPENSES</b>	<b>\$ 263,825</b>	<b>\$ 341,511</b>	<b>\$ 252,814</b>	<b>\$ 286,050</b>	<b>\$ 149,756</b>	<b>\$ 269,695</b>	<b>\$ 251,805</b>	<b>\$ 408,255</b>
403	Depreciation Expense	\$ 81,480	\$ 94,751	\$ 108,956	\$ 95,062	\$ 82,509	\$ 150,293	\$ 155,407	\$ 216,556
408	Taxes	\$ 56,493	\$ 54,634	\$ 55,053	\$ 55,393	\$ 36,041	\$ 62,742	\$ 62,722	\$ 80,626
	<b>TOTAL OTHER OPERATING EXPENSES</b>	<b>\$ 137,973</b>	<b>\$ 149,385</b>	<b>\$ 164,009</b>	<b>\$ 150,456</b>	<b>\$ 118,550</b>	<b>\$ 213,035</b>	<b>\$ 218,129</b>	<b>\$ 297,182</b>
	<b>NET OPERATING INCOME (LOSS)</b>	<b>\$ 65,993</b>	<b>\$ (1,581)</b>	<b>\$ 119,711</b>	<b>\$ 61,374</b>	<b>\$ 106,668</b>	<b>\$ 196,441</b>	<b>\$ 160,701</b>	<b>\$ 137,714</b>
419	Interest and Dividend Income	\$ -	\$ -	\$ 164	\$ 55	\$ 149	\$ 149	\$ -	\$ 11,340
421	Misc. Non-Operating Income (CIAC)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>TOTAL OTHER INCOME</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 164</b>	<b>\$ 55</b>	<b>\$ 149</b>	<b>\$ 149</b>	<b>\$ -</b>	<b>\$ 11,340</b>
427	Interest on Long-Term Debt	\$ 466	\$ 51	\$ 2,685	\$ 1,067	\$ 9,693	\$ 20,423	\$ 16,335	\$ 43,639
428	Amort. Of Debt Discount & Exp.	\$ 850	\$ 328	\$ 6,000	\$ 2,393	\$ -	\$ -	\$ -	\$ -
431	Other Interest Expense	\$ 1,578	\$ 2,606	\$ 7,585	\$ 3,923	\$ -	\$ 15,181	\$ 2,250	\$ 16,129
432	Interest Charged to Construction - Credit	\$ -	\$ -	\$ (2,520)	\$ (840)	\$ -	\$ (5,357)	\$ -	\$ (11,948)
	<b>TOTAL INTEREST CHARGES</b>	<b>\$ 2,894</b>	<b>\$ 2,985</b>	<b>\$ 13,749</b>	<b>\$ 6,543</b>	<b>\$ 9,693</b>	<b>\$ 30,247</b>	<b>\$ 18,585</b>	<b>\$ 47,820</b>
435	Miscellaneous Debits to Surplus	\$ -	\$ -	\$ (7,757)	\$ (2,586)	\$ -	\$ -	\$ -	\$ -
	<b>TOTAL EARNED SURPLUS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ (7,757)</b>	<b>\$ (2,586)</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
	<b>NET INCOME (LOSS)</b>	<b>\$ 63,099</b>	<b>\$ (4,566)</b>	<b>\$ 98,369</b>	<b>\$ 52,301</b>	<b>\$ 97,125</b>	<b>\$ 166,342</b>	<b>\$ 142,116</b>	<b>\$ 101,234</b>



**Mission:**

To acquire, maintain, account for and dispose of all fleet assets in a cost effective, safe, reliable, environmentally sound and efficient manner and to provide related support services responsive to customer needs.

**Department Description:**

- Provide complete turnkey service for all vehicles and equipment.
  - Includes specifying, purchasing, maintaining, maintenance history, and disposal.
- Provide repair and maintenance to all vehicles and equipment.
  - Establish goal of 80-85% preventative maintenance workload. Will reduce breakdown repairs and overall operating expenses.
- Research and apply new technologies and practices
  - Training personnel to utilize technologies and practices to provide better end product to customers.
  - Manifests as reduced downtime and enhanced vehicle and equipment reliability.
- Streamline annual maintenance contracts process
- Establish defined preventive maintenance scheduling program informed by past data and trends
  - Enhance departmental coordination and communications.
- Evaluate Fleet Replacement Plan
- Collaborate with departments on future needs.
  - This will ensure that the plan will be current and kept up to date and continues to meet the needs of the departments, also the proper funding projections are maintained for long term planning.
- Monitor fleet health and compare to expectations and projections.
  - If not met, adjust and re-evaluate.



**Financial Summary:**

	2015 ACTUAL	8/31/2016 ACTUAL	2016 PROJECTION	2016 BUDGET	2017 EXECUTIVE	INCREASE/ (DECREASE)
Fleet Operating Revenues	\$ 1,016,768	\$ 186,548	\$ 1,219,280	\$ 804,201	\$ 998,180	\$ 193,979
Fleet Administrative Expenses	-	26,682	26,682	22,118	40,321	18,203
Fleet Maintenance Expenses	1,130,117	1,738,327	1,815,965	2,053,595	2,600,641	547,046
<b>Total Fleet Operating Expenses</b>	<b>1,130,117</b>	<b>1,765,009</b>	<b>1,842,647</b>	<b>2,075,713</b>	<b>2,640,962</b>	<b>565,249</b>
<b>Operating Income / (Loss)</b>	<b>\$ (113,349)</b>	<b>\$ (1,578,461)</b>	<b>\$ (623,367)</b>	<b>\$ (1,271,512)</b>	<b>\$ (1,642,782)</b>	<b>\$ (371,270)</b>
Total Non-operating Revenues	264,300	47,202	47,202	1,251,832	1,243,066	(8,766)
Total Non-operating Expenses:						
Debt Service Expenses	4,288	387	3,387	387	192,805	189,418
<b>Total Sources (Uses) of Funds</b>	<b>\$ 146,663</b>	<b>\$ (1,531,646)</b>	<b>\$ (579,552)</b>	<b>\$ (20,067)</b>	<b>\$ (592,521)</b>	<b>\$ (569,454)</b>

**Staffing Analysis:**

Position Title	Staffing			Personnel Costs		
	2016 FTE	2017 FTE	Change	2016	2017	Change
Fleet Maintenance Crewleader	1.00	1.00	-	81,960	85,102	3,142
Fleet/Contracts Sup	1.00	0.60	(0.40)	103,338	64,087	(39,251)
Fleet Maintenance Tech	2.00	2.00	-	119,732	125,932	6,200
Overtime/Misc				2,350	3,231	881
<b>Total</b>	<b>4.00</b>	<b>3.60</b>	<b>(0.40)</b>	<b>307,380</b>	<b>278,352</b>	<b>(29,028)</b>

**Performance Measures:**

Item	2011	2012	2013	2014	2015
<b>Work Orders</b>	648	588	705	737	1,011
<b>Preventative Maintenance %</b>	71%	72%	73%	70%	78%
<b>Outside Repair Costs</b>	\$8,462	\$21,714	\$6,579	\$2,777	\$9,947
<b>Total Repair Costs</b>	\$216,311	\$314,593	\$242,669	\$198,300	\$225,936



**2016 Achievements:**

While the size of the City fleet remains relatively the same, both the number of streets and City staff have increased resulting in a higher usage of the vehicles. Therefore, there is a greater need for repair and preventative maintenance, but less opportunity to do so. Despite this, the fleet division continues to meet the needs of the City Fleet.

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**SUN PRAIRIE**  
**Public Works**  
**Fleet Replacement Plan**



Unit	Year	Make/Model	Description	Life Cycle	Mileage	2017	2018	2019	2020	2021
<b>Public Works</b>										
123	2004	IH 2400	Medium Duty Truck	15 Years	38262			130,000		
139	2004	JD 410G	Backhoe	15 Years	2191 Hrs			125,000		
146	2003	JD772CH	Motor Grader	18 Years	1301 Hrs					
149	2002	JD 544H	Endloader	15 Years	5873 Hrs	225,000				
150	2009	JD 544K	Endloader	12 Years	2164 Hrs				250,000	
177	2007	FORD RANGER	Pickup	10 Years	77676	26,000				
178	2007	FORD	Flatbed Dump	10 Years	58796	45,000				
179	2010	FORD	Pickup	10 Years	37874			42,000		
180	2010	FORD	Flatbed Dump	10 Years	46325			50,000		
181	2011	CHEVY	Flatbed Dump	10 Years	38377					53,000
200	2003	LOADMASTER	Trailer	15 Years	N/A		10,000			
229	2005	STEPP SPH 2.5	Hot Box	15 Years	N/A				33,000	
256	2003	FELLING	Trailer	15 Years	N/A		10,000			
258	2004	BOMAG	Roller	15 Years	364 Hrs			35,000		
276	2009	BOBCAT	5600 ToolCat	8 Years	2662 Hrs	85,000				
277	2010	MORBARK	Chipper	7 Years	906 Hrs			54,000		
279	2014	MORBARK	Chipper	7 Years	486 Hrs					63,000
<b>Total Public Works</b>						<b>\$ 381,000</b>	<b>\$ 20,000</b>	<b>\$ 436,000</b>	<b>\$ 283,000</b>	<b>\$ 116,000</b>

<b>Building Inspection</b>										
313	2006	FORD	F-150 Pickup	10 Years	40253	26,000				
314	2007	FORD	Focus	10 Years	16452		20,000			
316	2008	FORD	Ranger Pickup	10 Years	23116		26,000			
317	2009	FORD	Focus	10 Years	14864			22,000		
319	2009	CHEVY	Silverado	10 Years	26104			27,000		
<b>Total Building Inspection</b>						<b>\$ 26,000</b>	<b>\$ 46,000</b>	<b>\$ 49,000</b>	<b>\$ -</b>	<b>\$ -</b>

<b>Administration</b>										
315	2008	FORD	Focus	10 Years	35102		22,000			
318	2009	FORD	Focus	10 Years	36218				22,000	
320	2010	DODGE	MiniVan	10 Years	14133				30,000	
<b>Total Admin</b>						<b>\$ -</b>	<b>\$ 22,000</b>	<b>\$ -</b>	<b>\$ 52,000</b>	<b>\$ -</b>

<b>Parks</b>										
562	1998	PRO SEED	Top Dresser	20 Years	N/A		22,000			
566	2005	SMITHCO	Lawn Sweeper	15 Years	272 Hours				35,000	
567	2007	FORD	Ranger Pickup	10 Years	50470		26,000			
568	2009	TRACKLESS	Municipal Tractor	7 Years	3558 Hours		175,000			
583	2008	JOHN DEERE	Wam Mower	8 Years	2367	60,000				
584	2008	SMITHCO	Diamond Groomer	9 Years	777 Hours	20,000				
585	2011	JOHN DEERE	Wam Mower	7 Years	2016 Hours		60,000			
586	2008	BOBCAT	Stump Grinder	9 Years	N/A		25,000			
587	2012	JOHN DEERE	Wam Mower	7 Years	1637 Hours			62,000		
588	2013	JOHN DEERE	Wam Mower	7 Years	1168 Hours				63,000	
<b>Total Parks</b>						<b>\$ 80,000</b>	<b>\$ 308,000</b>	<b>\$ 62,000</b>	<b>\$ 98,000</b>	<b>\$ -</b>

<b>Public Works SubTotal</b>						<b>\$ 487,000</b>	<b>\$ 396,000</b>	<b>\$ 547,000</b>	<b>\$ 433,000</b>	<b>\$ 116,000</b>
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<b>EMS</b>										
878	2009	FORD	Ambulance	6 Years	8903					
879	2012	FORD	Ambulance	6 Years	83958		220,000			
880	2014	FORD	Ambulance	6 Years	36,915				243,000	
<b>Total EMS</b>						<b>\$ -</b>	<b>\$ 220,000</b>	<b>\$ -</b>	<b>\$ 243,000</b>	<b>\$ -</b>

<b>Fire Department</b>										
L-1	1992	PIERCE	Ladder Platform Truck	20 Years	13607	700,000				
S-5	1999	American La France	Heavy Rescue	20 Years	25595					750,000
<b>Total Fire Department</b>						<b>\$ 700,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 750,000</b>

**SUN PRAIRIE**  
**Public Works**  
**Fleet Replacement Plan**



Unit	Year	Make/Model	Description	Life Cycle	Mileage	2017	2018	2019	2020	2021
<b>Police Department</b>										
1	2011	FORD	CV Squad Car	8 Years	45511	41,000				
3	2015	FORD	CV Squad Car	5 Years	41796			43,000		
4	2013	FORD	SUV Squad Car	5 Years	62880		41,000			
5	2013	FORD	SUV Squad Car	5 Years	73507	41,000				
6	2013	FORD	SUV Squad Car	5 Years	79429		42,000			
7	2013	FORD	Sedan Squad Car	5 Years	47718	41,000				
8	2014	FORD	CV Squad Car	5 Years	30610			43,000		
9	2015	FORD	CV Squad Car K-9 Unit	5 Years	358					46,000
10	2014	FORD	CV Squad Car	5 Years	49884			43,000		
11	2015	FORD	CV Squad Car	5 Years	12662				44,000	
12	2015	FORD	CV Squad Car	5 Years	22546				44,000	
13	2013	FORD	SUV Squad Car	5 Years	58986		42,000			
14	2011	FORD	CV Squad Car	5 Years	20409				44,000	
15	2010	FORD	CV Squad Car	5 Years	82600					44,500
17	2013	FORD	Sedan Squad Car	5 Years	31695	41,000				
30	2009	CHEVY	Chiefs Car	10 Years	36700			35,000		
31	2009	FORD F-150	CSO Pickup	10 Years	63537			42,000		
<b>Total Police Department</b>						<b>\$ 164,000</b>	<b>\$ 125,000</b>	<b>\$ 206,000</b>	<b>\$ 132,000</b>	<b>\$ 90,500</b>
<b>TOTAL FLEET INSERVICE FUND</b>						<b>\$ 1,351,000</b>	<b>\$ 741,000</b>	<b>\$ 753,000</b>	<b>\$ 808,000</b>	<b>\$ 956,500</b>

**CITY OF SUN PRAIRIE**  
**2017 RECOMMENDED BUDGET**  
**FLEET INSERVICE FUND**

		<u>2015</u>	<u>8/31/2016</u>	<u>2016</u>	<u>2016</u>	<u>2017</u>	<u>INCREASE</u>
		<u>ACTUAL</u>	<u>ACTUAL</u>	<u>PROJECTION</u>	<u>BUDGET</u>	<u>EXECUTIVE</u>	<u>(DECREASE)</u>
<b>FLEET INTERNAL SERVICE FUND</b>							
<b>FLEET OPERATING REVENUES</b>							
70004700-474140	CITYCLERK RENTAL CHARGES	\$ 179	\$ 163	\$ 179	\$ 524	\$ 102	(422)
70004700-474155	HR RENTAL CHARGES	-	-	118	-	57	57
70004700-474160	FINANCE RENTAL CHARGES	119	105	119	337	682	345
70004700-474170	ASSESSING RENTAL CHARGES	1,412	198	1,412	633	1,726	1,093
70004700-474180	INFORMATION TECH RENTAL CHARGES	159	105	159	337	411	74
70004700-474185	BUILDING MAINT RENTAL CHARGES	-	-	160	-	2,678	2,678
70004700-474210	POLICE RENTAL CHARGES	316,668	36,566	311,213	277,814	319,977	42,163
70004700-474215	POLICE COMM RENTAL CHARGES	279	-	278	-	-	-
70004700-474220	FIRE RENTAL CHARGES	3,268	49,989	5,000	41,391	10,000	(31,391)
70004700-474230	EMS RENTAL CHARGES	113,626	4,722	113,626	98,667	98,922	255
70004700-474240	BUILDING INSPECTION RENTAL CHARGE	12,709	6,603	10,908	38,628	9,785	(28,843)
70004700-474310	STREET MAINT RENTAL CHARGES	310,934	60,320	310,934	300,167	341,879	41,712
70004700-474330	ENGINEERING RENTAL CHARGES	35,028	2,296	35,028	36,765	9,475	(27,290)
70004700-474350	TRANSIT RENTAL CHARGES	6,893	-	-	6,600	-	(6,600)
70004700-474520	LIBRARY RENTAL CHARGES	917	-	895	-	-	-
70004700-474510	SPMC RENTAL CHARGES	-	-	896	-	426	426
70004700-474550	PARKS & MAINT RENTAL CHARGES	213,881	24,751	213,881	-	200,105	200,105
70004700-474551	RECREATION RENTAL CHARGES	-	-	213,882	-	476	476
70004700-474610	COMMUNITY DEV RENTAL CHARGES	239	86	203	275	234	(41)
70004700-474620	ECONOMIC DEV RENTAL CHARGES	457	643	389	2,063	1,245	(818)
<b>TOTAL FLEET OPERATING REVENUES</b>		<b>\$ 1,016,768</b>	<b>\$ 186,548</b>	<b>\$ 1,219,280</b>	<b>\$ 804,201</b>	<b>\$ 998,180</b>	<b>\$ 193,980</b>
<b>FLEET INSERVICE OPERATING EXPENSES</b>							
<b>FLEET ADMINISTRATIVE COSTS</b>							
70088072-551000	WORKERS' COMPENSATION COVERAGE	\$ -	\$ 6,165	\$ 6,165	\$ 5,839	\$ 9,843	\$ 4,004
70088072-552000	PROPERTY COVERAGE	-	3,582	3,582	3,571	3,762	191
70088072-553000	LIABILITY COVERAGE	-	989	989	785	1,038	253
70088072-554000	VEHICLE COVERAGE	-	13,575	13,575	11,923	15,678	3,755
70088072-554100	VEHICLE COVERAGE PAYMENTS	-	2,371	2,371	-	10,000	10,000
	SUB-TOTAL	-	26,682	26,682	22,118	40,321	18,203
<b>TOTAL FLEET ADMIN EXPENSE</b>		<b>\$ -</b>	<b>\$ 26,682</b>	<b>\$ 26,682</b>	<b>\$ 22,118</b>	<b>\$ 40,321</b>	<b>\$ 18,203</b>

**CITY OF SUN PRAIRIE**  
**2017 RECOMMENDED BUDGET**  
**FLEET INSERVICE FUND**

		<u>2015</u>	<u>8/31/2016</u>	<u>2016</u>	<u>2016</u>	<u>2017</u>	<u>INCREASE</u>
		<u>ACTUAL</u>	<u>ACTUAL</u>	<u>PROJECTION</u>	<u>BUDGET</u>	<u>EXECUTIVE</u>	<u>(DECREASE)</u>
<b>FLEET MAINTENANCE EXPENSE</b>							
<b>PERSONNEL SERVICES</b>							
70088072-511000	REGULAR WAGES	\$ 266,613	164,581	\$ 220,086	\$ 220,086	\$ 195,945	(24,141)
70088072-513000	OVERTIME	839	1,921	2,000	600	1,200	600
70088072-517000	MISCELLANEOUS COMPENSATION	1,806	1,346	1,750	1,750	2,723	973
	SUB-TOTAL	269,258	167,847	223,836	222,436	199,868	(22,568)
<b>FRINGE BENEFITS</b>							
70088072-521000	SOCIAL SECURITY	16,139	12,796	16,759	16,759	15,091	(1,668)
70088072-522000	RETIREMENT	13,129	10,204	13,647	13,647	13,590	(57)
70088072-523000	HEALTH INSURANCE	48,460	38,632	49,725	49,725	46,628	(3,097)
70088072-524000	LIFE INSURANCE	346	356	491	491	421	(70)
70088072-525000	DENTAL INSURANCE	4,071	3,406	4,322	4,322	4,113	(209)
	SUB-TOTAL	82,145	65,395	84,944	84,944	79,843	(5,101)
<b>MATERIALS &amp; SUPPLIES</b>							
70088072-531000	OFFICE SUPPLIES	-	-	-	-	200	200
70088072-532000	OPERATING SUPPLIES	14,204	4,822	10,000	10,000	11,000	1,000
70088072-533000	REPAIRS AND MAINTENANCE	133,509	127,353	130,000	100,045	104,000	3,955
70088072-533210	REPAIRS AND MAINTENANCE - POLICE	1,220	6,615	26,435	27,500	27,000	(500)
70088072-533220	REPAIRS AND MAINTENANCE - FIRE	1,840	3,210	6,500	7,000	7,000	-
70088072-533230	REPAIRS AND MAINTENANCE - EMS	-	825	3,000	6,000	6,000	-
70088072-534000	SMALL TOOLS	3,107	3,032	3,000	2,800	3,000	200
70088072-535000	UNIFORMS	1,220	1,249	1,600	1,300	1,400	100
70088072-536000	FUEL PURCHASES	71,380	40,078	105,000	114,210	105,000	(9,210)
	SUB-TOTAL	226,480	187,184	285,535	268,855	264,600	(4,255)
<b>CONTRACTUAL SERVICES</b>							
70031032-541000	COMMUNICATIONS	-	387	400	380	480	100
70031032-542000	UTILITIES	15,608	8,565	16,000	17,500	17,500	-
70031032-544000	PROFESSIONAL SERVICES	6,825	6,377	7,500	5,425	5,270	(155)
	SUB-TOTAL	22,433	15,329	23,900	23,305	23,250	(55)
<b>FIXED CHARGES</b>							
70088032-571000	DEPRECIATION	528,906	-	520,000	29,907	530,000	500,093
	SUB-TOTAL	528,906	-	520,000	29,907	530,000	500,093
<b>PROFESSIONAL DEVELOPMENT</b>							
70031032-563000	MEETINGS & TRAINING	-	125	750	1,200	1,200	-
	SUB-TOTAL	-	125	750	1,200	1,200	-
<b>CAPITAL ITEMS</b>							
70031032-581100	MINOR CAPITAL	895	-	-	-	-	-
70031032-582000	VEHICLES	-	703,041	-	741,223	806,000	64,778
70031032-582210	VEHICLES POLICE	-	72,095	82,000	82,000	225,440	143,440
70031032-582310	PUBLIC WORKS VEHICLES	-	527,312	595,000	599,725	470,440	(129,285)
	SUBTOTAL	895	1,302,448	677,000	1,422,947	1,501,880	78,933
<b>TOTAL FLEET MAINTENANCE EXPENSE</b>		<b>\$ 1,130,117</b>	<b>\$ 1,738,327</b>	<b>\$ 1,815,965</b>	<b>\$ 2,053,595</b>	<b>\$ 2,600,641</b>	<b>\$ 547,046</b>
<b>OPERATING INCOME (LOSS)</b>		<b>\$ (113,349)</b>		<b>\$ (623,367)</b>	<b>\$ (1,271,512)</b>	<b>\$ (1,642,782)</b>	<b>\$ (371,270)</b>

**CITY OF SUN PRAIRIE**  
**2017 RECOMMENDED BUDGET**  
**FLEET INSERVICE FUND**

	<u>2015</u>	<u>8/31/2016</u>	<u>2016</u>	<u>2016</u>	<u>2017</u>	<u>INCREASE</u>
	<u>ACTUAL</u>	<u>ACTUAL</u>	<u>PROJECTION</u>	<u>BUDGET</u>	<u>EXECUTIVE</u>	<u>(DECREASE)</u>
<b>FLEET NON-OPERATING REVENUES</b>						
70004300-438215 MISCELLANEOUS GRANTS	\$ -	\$ -	\$ -	\$ -	\$ 7,000	\$ 7,000
70004800-483200 SALE OF MATERIAL AND EQUIPMENT	-	12,250	12,250	65,000	-	(65,000)
70004800-484000 INSURANCE DIVIDEND & RECOVERY	-	31,144	31,144	-	4,166	4,166
70004800-488800 UTILITY REIMBURSEMENT	321	-	-	-	-	-
70004800-489000 MISCELLANEOUS REVENUES	3,488	3,808	3,808	-	-	-
70004900-491100 BOND PROCEEDS	-	-	-	1,186,832	1,063,900	(122,932)
70004900-491900 BOND PREMIUM	66	-	-	-	-	-
70004900-492100 TRANSFER IN	224,232	-	-	-	-	-
70004900-499000 FUND BALANCE APPLIED	-	-	-	-	100,000	100,000
70004900-494000 GAIN/(LOSS) ON DISPOSAL OF ASSETS	36,193	-	-	-	68,000	68,000
<b>TOTAL FLEET NON-OPERATING REVENUES</b>	<b>\$ 264,300</b>	<b>\$ 47,202</b>	<b>\$ 47,202</b>	<b>\$ 1,251,832</b>	<b>\$ 1,243,066</b>	<b>\$ (8,766)</b>
<b>FLEET DEBT SERVICE</b>						
70088095-592000 PRINCIPAL ON DEBT	\$ -	\$ -	\$ -	\$ -	\$ 140,000	\$ 140,000
70088095-594000 INTEREST ON DEBT	1,499	3,387	3,387	3,387	31,905	28,518
70088095-597000 DEBT ISSUANCE COSTS	2,789	-	-	-	20,900	20,900
<b>TOTAL FLEET DEBT SERVICE EXPENSE</b>	<b>\$ 4,288</b>	<b>\$ 3,387</b>	<b>\$ 3,387</b>	<b>\$ 3,387</b>	<b>\$ 192,805</b>	<b>\$ 189,418</b>
<b>TOTAL NON-OPERATING REVENUES AND OTHER FINANCING USES</b>	<b>\$ 260,012</b>	<b>\$ 43,815</b>	<b>\$ 43,815</b>	<b>\$ 1,248,445</b>	<b>\$ 1,050,261</b>	<b>\$ (198,184)</b>
<b>TOTAL SOURCES (USES) OF FUNDS</b>	<b>\$ 146,663</b>	<b>\$ 43,815</b>	<b>\$ (579,552)</b>	<b>\$ (23,067)</b>	<b>\$ (592,521)</b>	<b>\$ (569,454)</b>