

AGENDA  
SHAKOPEE PUBLIC UTILITIES COMMISSION  
REGULAR MEETING  
December 4, 2023  
at 5:00 PM

To watch this meeting live click or copy the link: <https://tinyurl.com/SPU-YouTube-Live>

1. **Call to Order** at 5:00pm in the SPU Service Center, 255 Sarazin Street
  - 1a) Roll Call
  
2. **Communications**
  
3. **Consent Agenda**
  - C=> 3a) Approval of November 6, 2023 Minutes (GD)
  - C=> 3b) Approval of January 2, 2023 Agenda (JK)
  - C=> 3c) December 4, 2023 Warrant List (KW)
  - C=> 3d) MMPA November 2023 Meeting Updates (GD)
  - C=> 3e) Monthly Water Dashboard for October 2023 (LS)
  - C=> 3f) Res #2023-31 Resolution of Appreciation for Lisa Valiant (GD)
  - C=> 3g) Res #2023-32 Resolution Regulating Wage Ranges (KW)
  - C=> 3h) Res #2023-34 Resolution Designating an Official Means of Publication (KW)
  - C=> 3i) Res #2023-35 Resolution Designating Official Depositories of the Shakopee Public Utilities Commission (KW)
  - C=> 3j) Res #2023-36 Resolution Adjusting Fees Applied Under the Water Capacity Charge Policy (JA)
  - C=> 3k) Res #2023-37 Resolution Adjusting Fees Applied Under the Trunk Water Charge Policy (JA)
  - C=> 3l) Res #2023-38 Resolution Establishing Water Meter and Installation Fees (KW)
  - C=> 3m) Res #2023-39 Resolution Establishing Electric Rates for Customers Served by Shakopee Public Utilities (KW)
  - C=> 3n) Res #2023-40 Resolution Establishing Water Rates in and for the City of Shakopee (KW)
  - C=> 3o) 2024 – 2028 Final Capital Improvement Plan (JA)
  - C=> 3p) 2024 Capital Projects and Equipment – Final (JA)
    1. Administrative Projects and Equipment
    2. Electric Projects and Equipment
    3. Water Projects and Equipment
  - C=> 3q) 2024 Final Budget Approval (KW)

\*\*\* Motion to approve the Consent Agenda
  
4. **Public Comment Period.** Please step up to the table and state your name and address for the record.
  
5. **Liaison Report** (JD)

6. **Reports: Water Items**

6a) Water System Operations Report – Verbal (LS)

7. **Reports: Electric Items**

7a) Electric System Operations Report – Verbal (BC)

8. **Reports: General**

8a) Marketing/Key Accounts Report – Verbal (SW)

8b) IT Risk Assessment Report (PD)

8c) 2024 Commission Meeting and Workshop dates (GD)

\*\*\* Motion to approve the 2024 Commission Meeting and Workshop dates

8d) General Manager Report – Verbal (GD)

9. **Items for Future Agendas**

10. **Tentative Dates for Upcoming Meetings**

- January 8, 2024

- February 5, 2024

11. **Adjournment**

MINUTES OF THE  
SHAKOPEE PUBLIC UTILITIES COMMISSION  
November 6, 2023  
Regular Meeting

1. Call to Order. President Krieg called the November 6, 2023 meeting of the Shakopee Public Utilities Commission to order at 5:00 P.M. President Krieg, Vice President Letourneau, Commissioner DuLaney, Commissioner Fox, and Commissioner Mocol were present.
2. Communications. Sharon Walsh, Director of Key Accounts/Marketing/ Special Projects noted additional correspondence concerning equivalent lateral water main charges for Hillwood Drive, including a letter from President Krieg to Hillwood Drive residents. President Krieg asked for input from Commissioners, including his request that SPU staff not direct significant additional time to this matter, except to inform the Commission. The Commissioners expressed agreement with this approach.
3. Consent Agenda. Commissioner Mocol moved approval of the consent agenda: (3a) October 2, 2023 meeting minutes; (3b) November 6, 2023 agenda; (3c) November 6, 2023 warrant list; (3d) Monthly Water Dashboard for September 2023; (3e) MMPA October 2023 Meeting Update; (3f) Health Partners Multiyear Health Plan Agreement; (3g) AMI Opt-Out Language for Water ERTs; (3h) Res# 2023-26 Resolution Setting the Amount of the Trunk Water Charge, Approving of its Collection and Authorizing Water Service to Certain Property Described as Lot 1, Block 1, Patch 1<sup>st</sup> Addition; (3i) Res# 2023-27 Resolution Approving of the Estimated Cost of Pipe Oversizing on the Watermain Project: River Valley Business Park; (3j) Res# 2023-28 Resolution Approving Payment for the Pipe Oversizing Cost on the Watermain Project: River Valley Business Park; (3k) Res# 2023-29 Resolution Setting the Amount of the Trunk Water Charge, Approving of its Collection and Authorizing Water Service to Certain Property Described as KWS (Betaseed); and (3l) Res# 2023-30 Resolution Determining the Final Lateral Water Main Equivalency, Described as: CP17-31, Marshall Road. Commissioner Fox seconded the motion. Ayes: Krieg, Letourneau, DuLaney, Fox, and Mocol. Nays: None.
4. Public Comment Period. No public comments were offered.
5. Liaison Report. Commissioner DuLaney noted the pedestrian underpass planed at County Road 78, and asked if SPU projects could coordinate. Joseph Adams, Planning and Engineering Director, noted that exact plans have not yet been provided, but SPU will work with the developer to the extent possible.
6. Water System Operations Report. Lon Schemel, Water Superintendent, reported that SPU has replaced one lead and one galvanized steel pipe. This line replacement project will continue into next October. He also reported that SPU has completed the first leak survey and found two hydrants and two services that needed repair. Mr. Schemel noted that all underground lines for

Pumphouse #23 are done. He noted that SPU has not received an update on PFAS; the EPA is in the process of reviewing 1,402 compounds.

7. Electric Report. Brad Carlson, Electric Superintendent, reported six outages, which were not significant, since the last Commission meeting. He noted that for the AMI project, installation occurred last week for some access points and relays. Mr. Carlson stated that for the DG plant, a failure occurred with termination and SPU assisted by lending equipment during the switch replacement. He provided an update on projects, including overhead feed to the new lift station at the West End, eight service points at SMSC property, and that 150 more replacement streetlights are on order. Mr. Carlson also noted that concrete is being poured for the West Shakopee Substation and that Xcel Energy will energize the high side this week.

8. Marketing/Key Accounts Report. Ms. Walsh gave an update on the AMI project, noting that the First Article Testing is complete and that SPU has identified customer addresses to use for installation. She noted recent community engagement events.

9. General Manager Report. Greg Drent, General Manager, reported that labor negotiations as to the electric department employees are scheduled for November 14 and 16. He noted that the appraisal for the water treatment plant site is underway and will be considered at an upcoming meeting. Mr. Drent reported that the water tower painting has been pushed out to 2025 because of the construction around Canterbury. Mr. Drent presented some preliminary concept designs for the Commission meeting room.

10. 2024 – 2028 Semi-Final Capital Improvements Plan. Mr. Adams presented the semi-final version of the 2024 – 2028 Capital Improvement Plan (CIP). He answered questions from Commissioners and noted some changes that will be made. The final version will be presented at the next Commission meeting for review and approval as to the 2024 CIP.

11. 2024 Preliminary Budget and Cash Flow. Kelley Willemssen, Director of Finance and Administration, presented the 2024 preliminary budget and underlying assumptions. She noted that the budget contemplates the availability of a six-month cash flow. Ms. Willemssen also presented the updated organizational chart, which includes filling two positions and moving one position under the Finance Department. She discussed the 2024 benefits and projected contributions, including dental benefits through Delta Dental, and short-term disability options. After discussion, the Commission directed staff to offer a short-term disability option, as an employee-paid benefit, and assess the level of interest.

12. East Shakopee Substation First Amendment to Purchase Agreement. Mr. Adams explained that due to changes in the City's platting approach, the property that SPU is purchasing will be created by an administrative subdivision, with SPU completing the platting process after closing. He explained the provisions of the First Amendment to the Purchase Agreement, including the park dedication fees. Commissioner Fox moved to approve and authorize signature

of the First Amendment to the Purchase Agreement. Commissioner Mocol seconded the motion. Ayes: Krieg, Letourneau, DuLaney, Fox, and Mocol. Nays: None.

13. General Manager Review. Commissioner Mocol moved to go to closed session under Minnesota Statutes, Section 13D.05, subd.3(a) to evaluate the performance of the General Manager. Commissioner DuLaney seconded the motion. Ayes: Krieg, Letourneau, DuLaney, Fox, and Mocol. Nays: None. The Commission will provide a summary of its conclusions at the next meeting.

14. Adjourn. Motion by Commissioner Mocol, seconded by Commissioner Fox, to adjourn. Ayes: Krieg, Letourneau, DuLaney, Fox, and Mocol. Nays: None.

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Greg Drent, Commission Secretary

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## SHAKOPEE PUBLIC UTILITIES COMMISSION

### WARRANT LISTING

December 4, 2023

By direction of the Shakopee Public Utilities Commission, the Secretary does hereby authorize the following warrants drawn upon the Treasury of Shakopee Public Utilities Commission:

**WEEK OF 11/03/2023**

AMERICAN ENGINEERING TESTING INC	\$11,250.00	WO#2683 SHAKO WATER TANK 9
APPLE FORD OF SHAKOPEE	\$1,819.64	TIRES ELECTRIC TRK#611
BORDER STATES ELECTRIC SUPPLY	\$3,564.32	DIEHL WATER METER
BUELL CONSULTING LLC	\$93.00	WO#2479 VERIZON L-SUB6 UPGRADE TOWER 4
MANUEL CAJAMARCA	\$179.10	IRRIGATION CONTROLLERS REBATE
CITY OF SHAKOPEE	\$1,612,139.69	WO#2651 MARAS ST 13TH AVE HANSEN EXT PRO
CITY OF SHAKOPEE	\$485.00	ROW-017461-2023
DAKOTA SUPPLY GROUP	\$94.57	ARRESTER
DORAN CANTERBURY I LLC	\$28,055.70	WO#2341 TRIPLE CROWN PHASE 2 VILL APTS
FERGUSON US HOLDINGS, INC.	\$558.90	MAGNETIC LOCATOR
GENERAL SECURITY SERVICES CORP	\$447.05	MAINT VIDEO SYSTEM 11/1/23-1/31/24
EMILY GROBY	\$75.00	ENERGY EFFICIENT REFRIGERATOR REBATE
HAWKINS INC	\$8,804.48	CHLORINE CYLINDER
HENNEN'S AUTO SERVICE INC.	\$83.60	OIL CHANGE ELEC TRK#646
INNOVATIVE OFFICE SOLUTIONS	\$379.39	OFFICE SUPPLIES
INTEGRATED CITY SOLUTIONS	\$39,085.00	HYDRANT PAINTING
INTERSTATE POWER SYSTEMS	\$5,312.14	SERVICE ON PORTABLE
IRBY - STUART C IRBY CO	\$148,576.56	CLAMPS/LOAD BREAK CUTOUT
JR LARSON GROUNDS MAIN	\$1,338.89	HYDT MTR #70148961 RETURN REFUND
K-LINE INSULATORS USA, INC.	\$110.76	PHASE SPACE CLAMPS BAL DUE
ERIC KING	\$500.00	REIMBURSE FOR SAFETY GLASSES
LOCATORS & SUPPLIES INC	\$1,828.61	MARKIGN PAINT/FLAGS
LUNDA CONSTRUCTION	\$1,190.96	41,500 GAL USED 8/16-10/25 23 #22061738
MATT ANDERSON CONSTRUCTION LLC	\$1,500.00	REPAIR FASCIA/SOFFIT HALLI RD&CTY RD 16
ROBERT MAXA	\$175.00	ENERGY STAR CLOTHES WASHER REBATE
MINN VALLEY TESTING LABS INC	\$380.60	COLIFORM WATER TESTING
NAPA AUTO PARTS	\$120.09	BUTT CONNECTORS
NCPERS GROUP LIFE INS.	\$192.00	NOV. NCPERS INS. PREMIUMS
GERRY NEVILLE	\$49.78	REIMBURSE 76 MILES
CINDY NICKOLAY	\$74.01	REIMBURSE 113 MILES
TYLER O'BRIEN	\$32.49	REIMB STRETCH WRAP
PRESCRIPTION LANDSCAPE	\$692.44	HYDT MTR #22061735 RETURN REFUND
QUALITY FORKLIFT SALES & SERVICE	\$9,868.94	WO#2640 QUALITY FORKLIFT UG ELECTRIC
RESCO	\$2,338.25	ALUMINUM
RIES HEATING & A/C INC	\$330.00	ONSITE SVC CALL WELL HOUSE 2
JUSTIN ROTERT	\$147.50	PER DIEM BRAINERD MN TREE TRIM SCHOOL
KISHMORE SALICKAS	\$50.00	WATER SENSE TOILET REBATE
SCHERER BROTHERS LUMBER CO.	\$363.31	PLYWOOD
JACK SCHINTZ	\$147.50	PRE DIEM BRAINERD MN TREE TRIM SCHOOL
ELLE SEAVER	\$147.50	PER DIEM BRAINERD TREE TRIM SCHOOL 10/23
SHORT ELLIOTT HENDRICKSON INC	\$27,073.27	WO#2634 (WATER)
INC. ST. LOUIS MRO	\$50.00	ANNUAL FEE DRUG TESTING CDL LICENSE DVR
T-MOBILE	\$2,007.00	WO#2509 MS20XC927 SPRINT DECOMM FRM T1
GREG TRIPLETT	\$62.22	REIMURSE 95 MILES
UNITED SYSTEMS & SOFTWARE INC	\$2,845.00	ITRON RAD1 2 W/USB
USABUEBOOK	\$126.27	POCKET THERMOMETERS
VERIZON WIRELESS	\$4,222.17	9/24-10/23 2023 BILLING
WESCO RECEIVABLES CORP.	\$210.03	PDSTL CONN
ZIEGLER INC	\$272.37	HARNES
ZAYO GROUP, LLC	\$2,915.72	T1 LINE SOUTH SUB;PIKE LAKE,SPU OCTOBER
FURTHER - ACH	\$418.81	DAYCARE FLEX CLAIM REIMB
HEALTHPARTNERS	\$73,511.21	NOV. PREM/OCT CHARGE MONTH
DELTA DENTAL PLAN OF MN	\$5,945.31	OCT. PREMIUMS AND CHARGE MONTH
MINNESOTA LIFE	\$1,219.33	OCT. PREMIUMS AND CHARGE MONTH
PRINCIPAL LIFE INS. COMPANY	\$3,948.23	OCT. PREMIUMS & CHARGE MONTH
PAYROLL DIRECT DEPOSIT 11.03.23	\$128,449.16	
BENEFITS & TAXES FOR 11.03.23	\$118,804.43	

**Total Week of 11/03/2023**

**\$2,254,662.30**



**WEEK OF 11/10/2023**

ANNETTE STANEK  
ARROW ACE HARDWARE  
B & B TRANSFORMER INC  
BARR ENGINEERING CO  
BEST BUY BUSINESS ADVANTAGE ACCOUNT  
BORDER STATES ELECTRIC SUPPLY  
KINGA BROWN  
DAVID BURGER  
MATTHEW BURT  
CDW GOVERNMENT LLC  
CITY OF SAVAGE  
CITY OF SHAKOPEE  
CONDUX TESMEC, INC.  
CORE & MAIN LP  
OLUSEYI FAMODU  
INC, FELLING TRAILERS  
FERGUSON US HOLDINGS, INC.  
FLYTE HCM LLC  
ANDREW FORBES  
GOPHER STATE ONE-CALL  
GRAINGER INC  
GRAYBAR ELECTRIC COMPANY INC  
HAWKINS INC  
HENNEN'S AUTO SERVICE INC.  
LONG HOANG  
STACEY HUETHER  
LEE HUSS  
INDELCO PLASTICS CORP  
INNOVATIVE OFFICE SOLUTIONS  
INTERSTATE ALL BATTERY CTR  
IRBY - STUART C IRBY CO  
KATAMA TECHNOLOGIES, INC.  
LOCATORS & SUPPLIES INC  
JESSICA MAKI  
MASTER ELECTRIC  
MCGRANN SHEA CARNIVAL  
MINN VALLEY TESTING LABS INC  
MMUA  
GERRY NEVILLE  
CINDY NICKOLAY  
NISC  
NORTHERN STATES POWER CO  
DANIELLE O'CONNELL-LANG  
JOSH OLSON  
ANN PALMIERI  
RESCO  
BRAD SCHMITT  
SCOTT COUNTY  
SCOTT COUNTY  
SCOTT COUNTY TREASURER  
SEAGATE TECHNOLOGY INC  
SLACK PAINTING  
SOUTHWEST NEWS MEDIA  
T & R ELECTRIC SUPPLY CO INC  
GREG TRIPLETT  
ULINE, INC.  
UYEN VO  
MICHAEL VOURLOS  
WATER CONSERVATION SERVICE INC  
WESCO RECEIVABLES CORP.  
XCEL ENERGY  
AMERICAN NATL BANK\_MASTERCARD\_ACH  
FURTHER - ACH  
MMPA C/O AVANT ENERGY  
MN DEPT OF REVENUE ACH PAYMENTS  
SCOTT COUNTY ABSTRACT & TITLE CO

\$341.25 SPU "YOU" LOGO DESIGN  
\$11.92 BOLTS & BUILDERS HARDWARE  
\$5,937.50 WO#2811 SWITCH COPPER  
\$21,763.85 WO#2683 WATER TANK #9  
\$304.20 SAMSUNG 27" 390C SERIES  
\$93,055.04 ANCHORS  
\$500.00 ENERGY STAR COOLING/HEATING REBATE  
\$75.00 ENERGY STAR REFRIGERATOR REBATE  
\$75.00 ENERGY STAR REFRIGERATOR REBATE  
\$1,618.32 ADOBE SUBSCRIPTION RENEWAL  
\$16.21 METER READING @ MCCOLL DR OCTOBER  
\$553,653.40 OCTOBER SW & SD  
\$4,915.25 LABOR/SVC REPAIR ROPE MACHINE  
\$25,030.00 METERS  
\$50.00 ENERGY STAR DISHWASHER REBATE  
\$238.53 WLD JACK 12K SIDE WIND  
\$293.02 WO# 2023-7W SWVL F/ CHFSW CPHN  
\$10.00 OCTOBER COBRA  
\$500.00 RESIDENTIAL SOLAR REBATE  
\$942.30 OCTOBER TICKETS  
\$199.35 INSERT BITS  
\$22,547.87 CONDUIT  
\$1,484.19 | LHYDROFLOUSLIC  
\$63.00 OIL CHANGE ELECTRIC TRK#633  
\$50.00 WATER SENSE TOILET REBATE  
\$150.00 ENERGY STAR DISHWASHER REBATE  
\$175.00 ENERGY STAR CLOTHES WASHER REBATE  
\$319.50 BALL VALVE (WATER)  
\$509.33 TONER  
\$27.31 1.55 SIL 357 BUY 25 (WATER)  
\$18,111.49 D3H BRACKET CUTOUT  
\$656.25 WO#2472 AMI GENERAL CONSULTING  
\$652.35 RED MARKING PAINT (ELEC)  
\$500.00 RESIDENTIAL SOLAR REBATE  
\$690.00 REPAIRS @ P.H. #2  
\$25,880.00 MUNICIPAL/REGULATORY/UNION MATTERS OCT  
\$456.80 NITRATE WATER TESTING  
\$14,867.50 TRFMR SCHOOL PRE CONF JAN 2024  
\$129.03 REIMBURSE 197 MILES  
\$117.90 REIMBURSE 180 MILES  
\$2,190.00 NISC MEMBER INFO CONF. MENKE/VOURLOS  
\$2,989.14 OCTOBER POWER BILL  
\$175.00 ENERGY STAR CLOTHES WASHER REBATE  
\$169.20 IRRIGATION CONTROLLERS REBATE  
\$50.00 WATER SENSE TOILET REBATE  
\$228,086.78 CONNECTOR EYEBOLT  
\$225.00 ENERGY STAR DISHWASHER REBATE  
\$2,437.76 WO#2634 2023 PROPERTY TAX DUE  
\$7.82 2023 PROPERTY TAX DUE  
\$162.00 WO#2472 ROW PERMIT U184-2023 UID#18065  
\$8,804.00 REISSUE LOST CHK INTERIOR LIGHT REBATE  
\$8,000.00 WO#2709 POWER WASHING DOMINION TANK  
\$461.09 OCTOBER LEGALS/MINUTES  
\$64.13 PCB SAMPLES  
\$106.76 REIMBURSE 163 MILES  
\$114.84 UNLINE BROWN WRAP  
\$75.00 ENERGY STAR REFRIGERATOR REBATE  
\$28.75 REIMB WATER MTR LETTER POSTAGE USPS  
\$359.48 LEAK LOCATE @ 706 HOLMES ST ON 10/24/23  
\$22,593.46 ARRESTER 12KV  
\$202.64 GAS USAGE VALLEY PARK 9/21-10/23 2023  
\$13,668.51 OCTOBER ANB CC STMT  
\$779.63 MEDICAL CLAIM REIMBURSEMENT  
\$3,242,662.75 OCTOBER POWER BILL  
\$345,676.00 OCTOBER 2023 SALES & USE TAX PAYABLE  
\$1,061,762.35 WO#2376 EAST SUBSTATION-CLOSING

**Total Week of 11/10/2023**

**\$5,738,769.75**

**WEEK OF 11/17/2023**

CREDIT REFUNDS - NOVEMBER  
MN CHILD SUPPORT PAYMENT CENTER  
A&M KERBER HOLDINGS LLC  
AAR BUILDING SERVICE CO.  
ADVANCED ENG. & ENVIRONMENTAL SRVC  
AMARIL UNIFORM COMPANY  
B & B TRANSFORMER INC  
BIRDS LAWN CARE LLC  
BORDER STATES ELECTRIC SUPPLY  
CITY OF SHAKOPEE  
CUSTOMER CONTACT SERVICES  
DGR ENGINEERING  
DISH WIRELESS  
DIVERSIFIED ADJUSTMENT SERVICES INC  
ENGINEERING & CONSTR INNOVATIONS INC.  
FIRE SAFETY USA  
MARTIN GLYNN  
HOLIDAY STATION STORES INC  
IDP DEAN LAKES B11 LLC  
LEAGUE OF MINNESOTA CITIES  
KEVIN MENDEN  
MI HOMES OF MPLS LLC  
MINN VALLEY TESTING LABS INC  
MN OCCUPATIONAL HEALTH - LOCKBOX 135054  
TONY MYERS  
NATIONAL CONDUCTOR CONSTRUCTORS LLC  
GERRY NEVILLE  
CINDY NICKOLAY  
NISC  
RW BECK GROUP, INC, LEIDOS ENG. LL  
SCOTT COUNTY TREASURER  
SHAKOPEE MHC, LLC  
SHORT ELLIOTT HENDRICKSON INC  
SMSC  
STAR ENERGY SERVICES  
STATE OF MINNESOTA-MNIT SERVICES  
STINSON LLP  
GREG TRIPLETT  
UNITED SYSTEMS & SOFTWARE INC  
VERIZON WIRELESS  
WESCO RECEIVABLES CORP.  
FURTHER - ACH  
PAYROLL DIRECT DEPOSIT 11.17.23  
BENEFITS & TAXES FOR 11.17.23

\$7,573.82 CREDIT REFUNDS  
564.37 CASE #001422536402  
530.62 WO#2708 NEXT STEPS LEARNING CENTER  
4,924.65 NOVEMBER CLEANING  
9,375.00 PROF SVCS OPWORKS PRO 11/2023-10/2024  
323.57 REID SPU CLOTHING ORDER  
1,807.00 25 AKVA RETANK  
3,714.00 OCTOBER LAWN CARE  
2,329.80 FROM 9S CL20  
7,696.94 OCTOBER FUEL  
396.73 11/14-12/1 2023 ANSWERING SERVICE  
96.00 WO#2731 GRANT DEV ASSIST OCT SERVICES  
1,358.00 WO#2604 DISH NETWORK EQUIP INSTALL TANK1  
979.23 OCTOBER COLLECTION AMT DUE TO AGENCY  
38,825.00 WO#2729 WATER TOWER VAULT LADDER MASTS  
1,965.00 WO#2679 LABOR/SHOP SUPPLIES NEW TRK  
129.95 REIMBURSE FOR SAFETY BOOT EXPENSE  
2,730.71 WO#2732 HOLIDAY NEW TRUCK LOT - ELECTRIC  
26,004.47 WO#2643 INLAND DEV DEAN LK WM PLAN REV  
273.72 CLAIM#00493943 7/14/23 R.B.  
229.99 REIMBURSE SAFETY BOOTS  
507.32 WO#2516 VALLEY CREST WM PLAN SCHNEIDER  
25.00 PICK UP CHARGE DUE  
108.00 DRUG COLLECTION  
182.84 REIMBURSE PARTS SPU SOFTNER LEAK  
217,700.40 WO#2483 WEST SUBSTATION CONSTRUCTION  
97.59 REIMBURSE 149 MILES  
103.49 REIMBURSE 158 MILES  
31,464.40 OCTOBER 2023 PRINT SERVICES  
39,517.87 WO#2376 EAST SUBSTATION SERVICES  
335.00 ROW-017483-2023 (WATER) WO#2809  
134.68 WO#2766 JACKSON HGTS UG SEPTIC REFUND  
16,671.60 WO#2783 WATER FILL STATION  
222.72 WO#2763 SMSC POWWOW GROUNDS UG ELECTRIC  
80.00 NOVA PORTAL SUPPORT 10/16/26  
734.01 OCTOBER WAN SERVICES  
6,238.50 OCTOBER PROF SERVICES UNION MATTERS  
113.97 REIMBURSE 174 MILES  
6,040.16 ITRON ENCODER RENOTE W/CABLE  
106.87 10/6/23-11/5/23 BILLING PD ELECTRIC  
1,041.00 WIRE BARE-SD REEL  
192.31 DAYCARE FLEX CLAIM REIMB.  
\$127,592.42  
\$117,674.85

**Total Week of 11/17/2023**

**\$678,713.57**

**WEEK OF 11/22/2023**

ABDO LLP	\$13,615.00	OCTOBER FS ACCOUNTING SERVICES
ALTERNATIVE TECHNOLOGIES INC	\$1,573.00	DISSOLVED GAS ANALYSIS SAMPLES
ARAMARK REFRESHMENT SERVICES INC	\$178.10	COFFEE/TEMP ENERGY FEE
ERIC BENDER	\$500.00	ENERGY STAR COOLING/HEATING REBATE
BEST BUY BUSINESS ADVANTAGE ACCOUNT	\$304.20	SAMSUNG 27" 390C SERIES CU
BORDER STATES ELECTRIC SUPPLY	\$388,944.52	DBLE SIDE TIE
JILL AND ERIC BRANWALL	\$325.00	ENERGY STAR CLOTHES WASHER REBATE
BRADLEY CARLSON	\$211.34	REIMBURSE BOOTS
DALINA CHAN	\$75.00	ENERGY STAR REFRIGERATOR REBATE
CITY OF SHAKOPEE	\$318,000.00	NOVEMBER 2023 PILOT FEE
CITY OF SHAKOPEE	\$1,080.04	NOV 2023 STORM DRAINAGE/SPU PROPERTIES
COMCAST CABLE COMM INC.	\$2.29	CABLE FOR BREAKROOMS
CONCRETE CUTTING & CORING INC	\$697.00	HELMET SYSTEM/APRON CHAPS
MATTHEW CONRAD	\$50.00	WATER SENSE TOILET REBATE
CORE & MAIN LP	\$26,002.50	METERS
CORVAL CONSTRUCTORS, INC.	\$4,086.38	REPAIR GYL.COL LEAKING IN CONF ROOM
BRANDON DORN	\$500.00	ENERGY STAR COOLING/HEATING REBATE
DSI/LSI	\$445.11	NOVEMBER GARAGE 11/1-11/30 2023
FERGUSON US HOLDINGS, INC.	\$8,572.37	5 STD NH COUP
FRONTIER ENERGY, INC.	\$2,000.00	OCTOBER P3 SUBSCRIPTION BILLING
GRAINGER INC	\$256.23	BENCH CHAIN VISE (WATER)
JAMES HALLER	\$200.00	ENERGY STAR COOLING/HEATING REBATE
INNOVATIVE OFFICE SOLUTIONS	\$522.54	OFFICE SUPPLIES
IRBY - STUART C IRBY CO	\$4,920.23	SEALED BLOK 3 WAY RETRIEVAL
KASTHURI KAMALANATHAN	\$500.00	RESIDENTIAL SOLAR REBATE
DIANE LONGTIN	\$500.00	ENERGY STAR COOLING/HEATING REBATE
NICHOLAS & NICOLE LOUCHKO	\$500.00	ENERGY STAR COOLING/HEATING REBATE
MINN VALLEY TESTING LABS INC	\$125.40	WATER TESTING MAGANESE
NAPA AUTO PARTS	\$419.96	NARROW SECTION MOLDED NOTCH
GERRY NEVILLE	\$135.58	REIMBURSE 207 MILES
CINDY NICKOLAY	\$94.97	REIMBURSE 145 MILES
NISC	\$174.37	1099'S,ENVELOPES,W-2'S
MARISTELLA OMANYO	\$50.00	ENERGY STAR DISHWASHER REBATE
GARY OSTERKAMP	\$500.00	ENERGY STAR COOLING/HEATING REBATE
PRECISION UTILITIES	\$19,822.00	414 1ST AVE E HYRDO VAC SVC WO2809
HEIDI RICCI	\$500.00	RESIDENTIAL SOLAR REBATE
JENNY ROEMER	\$50.00	ENERGY STAR CLOTHESWASHER REBATE
SCHILZ ORNAMENTAL IRON INC	\$1,738.00	REPAIR NIGHT DROP BOX
WILLIAM SCHMIEDLIN	\$500.00	ENERGY STAR COOLING/HEATING REBATE
SCOTT COUNTY RECORDERS	\$204.00	RECORDING LATERAL WM NOTICE
SCOTT COUNTY TREASURER	\$2,585.00	ROW-017461-2023 (WATER DEPT)
SLACK PAINTING	\$12,000.00	WO#2709 POWERWASH HYDROPILLAR
JOSH SOUPIR	\$500.00	RESIDENTIAL SOLAR REBATE
GREG TRIPLETT	\$104.14	REIMBURSE 159 MILES
TWIN CITY GARAGE DOOR CO.	\$1,330.00	GARAGE DOOR REPAIR
NICOLE M UNDERSTEIN	\$75.00	ENERGY STAR REFRIGERATOR REBATE
US GEOLOGICAL SURVEY	\$8,600.00	WATER AGING ANALYSIS
VERIZON	\$625.70	TRUCK TRACKING NOVEMBER
EMALYN WALETZKO	\$105.00	RECYCLING REBATE
WATER CONSERVATION SERVICE INC	\$12,864.00	SEPT 2023 ANNUAL WATER SYSTEM LEAK SURVE
WATER ISAC	\$580.00	ANNUAL MEMEBRSHIP FOR 2024
WESCO RECEIVABLES CORP.	\$8,637.60	LED FLOODLIGHTS
MARCUS WIECZOREK	\$98.19	IRRIGATION CONTROLLERS REBATE
MARK ZEVENBERGEN	\$200.00	ENERGY STAR COOLING/HEATING REBATE

**Total Week of 11/22/2023**

**\$847,179.76**

**Grand Total**

**\$9,519,325.38**

*Kelly Willemson*

Presented for approval by: Director of Finance & Administration

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Approved by General Manager

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Approved by Commission President



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www.shakopeeutilities.com

To: SPU Commissioners  
From: Greg Drent, General Manager *GD*  
Date: November 27, 2023  
Subject: MMPA November 2023 Meeting Update

The Board of Directors of the Minnesota Municipal Power Agency (MMPA) met on November 21, 2023, at Chaska City Hall in Chaska, Minnesota and via videoconference.

The Board reviewed the Agency's financial and operating performance for October 2023.

Customer penetration for the residential Clean Energy Choice program increased to 5.2%. There was an increase of 92 customers participating in the residential Clean Energy Choice program from September to October.

The Board discussed the current business environment.

The Board discussed the status of renewable projects the Agency is pursuing.

Thanks

# Monthly Water Dashboard

As of: October 2023

Shakopee Public Utilities Commission

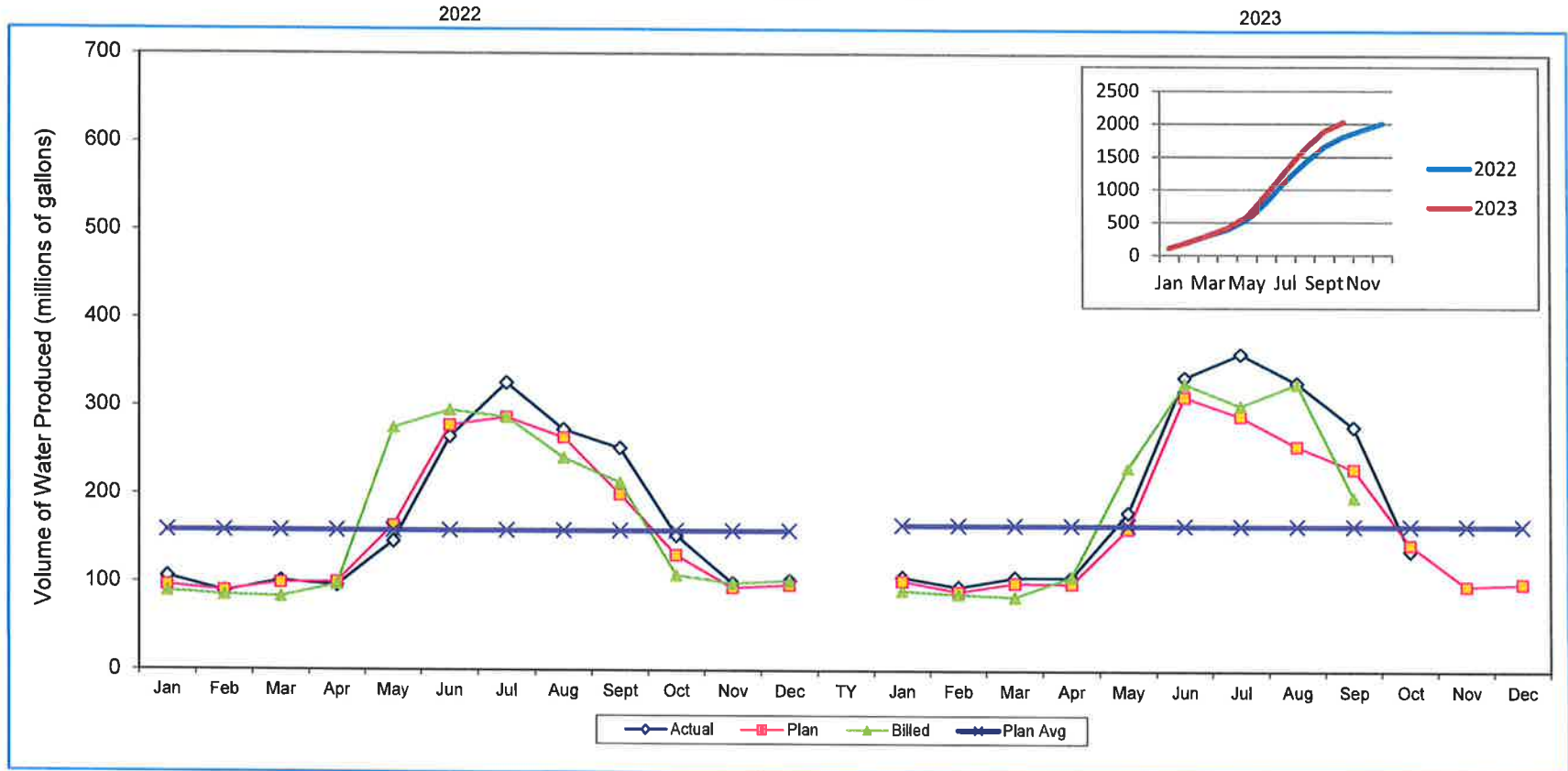
ALL VALUES IN MILLIONS OF GALLONS

**Element/Measure**

Water Pumped/Metered

Monthly Avg	
2020	150
2021	173
2022	167

Last 6 months actuals	180	334	361	328	278	137
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	LY												TY	TY											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
Actual	106	89	101	96	146	265	326	273	252	153	99	102	106	95	106	106	180	334	361	328	278	137			
Plan	96	90	99	100	164	278	287	264	200	131	94	97	102	90	100	99	162	312	290	256	230	144	97	100	
YTD % *													104%	105%	105%	106%	107%	107%	112%	115%	115%	114%			
Billed	89	85	83	97	275	295	287	241	213	108	99	102	91	87	84	107	231	327	302	327	198				

\* Actual gallons pumped vs. Plan

RESOLUTION #2023-31

RESOLUTION OF APPRECIATION  
TO LISA VALIANT

WHEREAS, Mrs. Lisa Valiant joined Shakopee Public Utilities on April 16, 2018, and during her tenure of more than five years has worked as the Customer Service & Billing Representative in the Finance Department; and

WHEREAS, Mrs. Valiant always strived for excellence in contributing to the efficient operation of Shakopee Public Utilities and has been extremely dependable and responsible in performing her duties; and

WHEREAS, Mrs. Valiant will retire from her position as Customer Service & Billing Representative with Shakopee Public Utilities on December 1, 2023; and

NOW THEREFORE, BE IT RESOLVED BY THE SHAKOPEE PUBLIC UTILITIES COMMISSION, that it does hereby express its sincere and deep appreciation to Mrs. Valiant for her five years of dedicated service to Shakopee Public Utilities.

BE IT FURTHER RESOLVED that the Shakopee Public Utilities Commission extends its best wishes and congratulations to Mrs. Valiant.

Passed in regular session of the Shakopee Public Utilities Commission this Fourth day of December 2023.

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Commission President: Justin Krieg

ATTEST:

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Commission Secretary: Greg Drent

RESOLUTION #2023-32

RESOLUTION REGULATING WAGE RANGES

BE IT RESOLVED BY THE SHAKOPEE PUBLIC UTILITIES COMMISSION in meeting duly assembled on December 4, 2023, that the Shakopee Public Utilities Commission does hereby amend Resolution #2022-32 and affirm wage ranges in accordance with the rates in "Appendix A" to this Resolution.

BE IT FURTHER RESOLVED that said wage ranges are to become effective from and after January 1st, 2024 as applicable.

BE IT FURTHER RESOLVED, that all things necessary to carry out the terms and purpose of this Resolution are hereby authorized and performed.

Passed in regular session of the Shakopee Public Utilities Commission, this 4th day of December, 2023.

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Commission President: Justin Krieg

ATTEST:

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Commission Secretary: Greg Drent



**Appendix "A" To Resolution # 2023-32**  
**Shakopee Public Utilities 2024 Wage Ranges**

Position	Hourly Personnel Range (\$ Per Hour)			Salaried Personnel Range ( \$ Bi-Weekly)		
General Manager				6,672.55	8,340.91	10,008.38
Director of Finance and Administration				5,562.97	6,953.72	8,344.46
Planning & Engineering Director				5,562.97	6,953.72	8,344.46
Director of Field Operations				5,562.97	6,953.72	8,344.46
Electric Superintendent				4,825.91	6,032.17	7,238.43
Director of Key Accounts, Marketing & Special Projects				4,825.91	6,032.17	7,238.43
IT Director				4,456.94	5,570.96	6,684.97
Engineering Supervisor				4,456.94	5,570.96	6,684.97
Water Superintendent				4,087.97	5,110.63	6,132.40
Accounting Supervisor				3,719.87	4,649.41	5,579.83
CS & Billing Supervisor				3,350.91	4,189.08	5,026.37
Accounting Specialist	28.06	35.08	42.10			
Accounting Technician, AP & Human Resources)	37.27	46.60	55.92			
Administrative Assistant	32.67	40.84	49.00			
Billing & Customer Service Clerk	28.06	35.08	42.10			
Billing Specialist (Lead)	32.67	40.84	49.00			
Dispatcher	23.46	29.31	35.18			
Electric Supervisor	51.10	63.88	76.65			
Engineering Technician	32.67	40.84	49.00			
GIS/Drone Specialist	32.67	40.84	49.00			
Procurement Specialist	28.06	35.08	42.10			
Meter Reader	PT	23.46	29.31	35.18		
Network Administrator		32.67	40.84	49.00		
SCADA Specialist/AMI Data Analyst		37.27	46.60	55.92		
Inventory & Maintenance Specialist		28.06	35.08	42.10		
Temp/Summer Help	PT	15.42	17.87	20.31		
Water Operator-Apprentice		28.06	35.08	42.10		
Water Operator-Journeyman		32.67	40.84	49.00		
Water Supervisor		41.89	52.36	62.83		
Duty Pay	486.50			Weekly		
Duty Pay Holiday	583.80			Weekly		
Commissioner	500.00			Monthly		
Commissioner, President	600.00			Monthly		
MMPA Representative	100.00			Monthly		

\* Positions below were removed from 2024 wage range resolution - Electric currently in negotiations with union.

- Apprentice Lineman
- Journeyman Lineman
- Lead Lineman
- Locator/Meter Specialist
- Meter/Electronics Technician
- Service Department Lead

RESOLUTION #2023-34

RESOLUTION DESIGNATING AN OFFICIAL  
MEANS OF PUBLICATION

BE IT RESOLVED BY THE SHAKOPEE PUBLIC UTILITIES COMMISSION, in meeting duly assembled that the Shakopee Valley News of Savage, Minnesota 55378 be and the same hereby is designated as the official means of publications for the Shakopee Public Utilities Commission, 255 Sarazin Street, Shakopee, MN 55379-0470 for 2024.

Passed in regular session of the Shakopee Public Utilities Commission, this 4th day of December, 2023.

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Commission President: Justin Krieg

ATTEST:

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Secretary: Greg Drent

RESOLUTION #2023-35

RESOLUTION DESIGNATING OFFICIAL DEPOSITORIES  
OF THE SHAKOPEE PUBLIC UTILITIES COMMISSION

WHEREAS, the State of Minnesota Statutes 118.A02 and 118A.06 provide that the governing body of each government entity shall designate, as a depository of its funds, one or more financial institutions.

NOW THEREFORE BE IT RESOLVED, by the Shakopee Public Utilities Commission of the City of Shakopee, Minnesota that the following institutions are designated as depositories.

American National Bank, formerly Western Bank

Old National Bank

PFM Asset Management, LLC

US Bank as Custodian for Minnesota Municipal Money Market Fund

US Bank Trust and Custody

Adopted in regular session of the Shakopee Public Utilities Commission of the City of Shakopee, Minnesota held this 4th day of December 2023.

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Commission President: Justin Krieg

ATTEST:

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Secretary: Greg Drent

RESOLUTION #2023-36

A RESOLUTION ADJUSTING FEES APPLIED UNDER  
THE WATER CAPACITY CHARGE (FKA WATER CONNECTION CHARGE)  
POLICY RESOLUTION

WHEREAS, the Shakopee Public Utilities Commission operates and maintains the municipal water system of the City of Shakopee, such system consisting of a (“blended”) complex of water production, treatment, storage, and delivery facilities interconnected across multiple service districts or pressure zones via a network of trunk and lateral watermains, and

WHEREAS, the water capacity charge fees are a component of water availability charges, and

WHEREAS, the fees established in Resolution #261, which Resolution established the Water Connection Charge Policy, and Resolution #902, which Resolution adjusted said fees, are intended to be adjusted on the first day of January each year, and

WHEREAS, the water capacity charge fees last were adjusted in 2023 by Resolution #2023-01 to \$5,637.00 per equivalent SAC unit for all service, plus 13.0 cents per square foot for industrial use only, and

WHEREAS, the Shakopee Public Utilities Commission has received a report by Ehlers Public Finance Advisors dated December 3, 2020, and

WHEREAS, the Shakopee Public Utilities Commission determines an increase of 1% in the water capacity charge is warranted at this time to provide adequate funding for the planned water production, treatment and storage facilities necessary to serve developing properties with the Commission’s standard of level “A” service (i.e. a robust, redundant, looped water supply and distribution system capable of supplying water safe for human consumption at adequate pressure for domestic and fire protection uses), and

WHEREAS, the Shakopee Public Utilities Commission determines water usage in multi-family residences is lower than single-family residences.

NOW THEREFORE, BE IT RESOLVED that the water capacity charge fees be increased effective immediately as follows:

\$5,693.00 per equivalent SAC unit for all service, plus 13.4 cents per square foot for industrial use only (equivalent SAC units to be computed according to the Metropolitan Council Availability Charge Criteria, but applied to all municipal water usage whether discharged to sewer or not).

BE IT FURTHER RESOLVED, that multi-family residential units be assigned a prorated equivalent unit of 0.80 for apartment units and 0.90 for townhome and condo units.

BE IT FURTHER RESOLVED, that future increases in the water capacity charge fees shall be based on the Ehlers Report until a further updated study is performed.

BE IT FURTHER RESOLVED, that the water capacity charges shall be applied to all water connections made to, or newly drawing water from, the City of Shakopee water system;

and that the capacity charges shall also be applied to all instances where increased water usage is indicated by an increase in SAC units or by other means, i.e., metering.

BE IT FURTHER RESOLVED, that the funds collected from the water capacity charges will be set aside by the Utility and used to pay for construction of water production, treatment and storage facilities.

BE IT FURTHER RESOLVED, that water availability shall not be granted until the acceptance by the Utility of payment of all standard water fees requisite by this resolution and by compliance with all other Shakopee Public Utilities Commission resolutions applicable to new services.

BE IT FURTHER RESOLVED, that in the case of large water users, specific authorization by Shakopee Public Utilities Commission is also a prerequisite to water availability.

BE IT FURTHER RESOLVED, that all things necessary to carry out the terms and purpose of this resolution are hereby authorized and performed.

Passed in regular session of the Shakopee Public Utilities Commission, this 4th day of December 2023.

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Commission President: Justin Krieg

ATTEST:

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Commission Secretary: Greg Drent

RESOLUTION #2023-37

A RESOLUTION ADJUSTING FEES  
APPLIED UNDER THE TRUNK WATER POLICY RESOLUTION

WHEREAS, the Shakopee Public Utilities Commission operates and maintains the municipal water system of the City of Shakopee, such system consisting of a (“blended”) complex of water production, treatment, storage, and delivery facilities interconnected across multiple service districts or pressure zones via a network of trunk and lateral watermains, and

WHEREAS, the trunk water charge fees are a component of water availability charges, and

WHEREAS, the fees established in Resolution #222, which Resolution established the Trunk Water Charge Policy, are intended to be adjusted on the first day of January each year, and

WHEREAS, the fees were last adjusted in 2022 by Resolution #2022-29 to \$5,116.00 per acre, and

WHEREAS, the Shakopee Public Utilities Commission has received a report by Ehlers Public Finance Advisors dated December 3, 2020, and

WHEREAS, the Shakopee Public Utilities Commission determines an upward adjustment in the trunk water charge equal to 4.75% is warranted at this time to provide adequate funding for the planned trunk water main facilities necessary to serve developing properties with the Commission’s standard of level “A” service (i.e. a robust, redundant, looped water supply and distribution system capable of supplying water safe for human consumption at adequate pressure for domestic and fire protection uses), and

WHEREAS, the Shakopee Public Utilities Commission determines an adjustment in the calculation of net area that is subject to the trunk water charge in each development is now warranted.

NOW THEREFORE, BE IT RESOLVED, that the trunk water charge fees be increased to \$5,359.00 per net acre effective January 1, 2024.

BE IT FURTHER RESOLVED, that the high water level area of storm water ponding shall now be exempt from the Trunk Water Charge.

BE IT FURTHER RESOLVED, that future increases in the trunk water charge fees shall be based on the Ehlers Report until a further updated study is performed.

BE IT FURTHER RESOLVED, that the funds collected from the trunk water charges will be set aside by the Utility and used to pay for construction of trunk water main facilities.

BE IT FURTHER RESOLVED, that water availability shall not be granted until the acceptance by the Utility of payment of all standard water fees requisite by this resolution and by compliance with all other Shakopee Public Utilities Commission resolutions applicable to new services.

BE IT FURTHER RESOLVED, that in the case of large water users, specific authorization by Shakopee Public Utilities Commission is also a prerequisite to water availability.

BE IT FURTHER RESOLVED, that all things necessary to carry out the terms and purpose of this resolution are hereby authorized and performed.

Passed in regular session of the Shakopee Public Utilities Commission, this 4th day of December, 2023.

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Commission President: Justin Krieg

ATTEST:

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Commission Secretary: Greg Drent

## RESOLUTION #2023-38

RESOLUTION ESTABLISHING  
WATER METER AND INSTALLATION FEES

BE IT RESOLVED by the Shakopee Public Utilities Commission at meeting duly assembled on the 4th day of December 2023, that Resolution #2022-25 is repealed upon this resolution taking effect, and that the following fees are set to cover water meters and installation costs and that such charges are payable before water service is started to new services:

Standard Meters

Meter Size	Type	Cost Includes Fittings & Wiring to outside recorder
3/4"	iPERL	\$470.00
1"	iPERL	\$665.00
1"	Fire Rated	\$665.00
1.5"	T2	\$1,490.00
	C2	\$2,020.00
2"	T2	\$1,715.00
	C2	\$2,265.00
3"	T2	\$1,955.00
	C2	\$2,705.00
4"	T2	\$3,670.00
	C2	\$4,615.00
6"	T2	\$5,820.00
	C2	\$7,420.00

Specialty Meters

8" Fire	F2	Call for Price
10" Fire	F2	Call for Price
Fire Detector Meter		\$230.00

Requests for a 1" and larger meter and special meters require SPUC approval.



NOW THEREFORE, BE IT RESOLVED that the water meter and installation fees be increased effective January 1, 2024.

BE IT FURTHER RESOLVED, that all things necessary to carry out the terms and purpose of this resolution are hereby authorized and performed.

Passed in regular session of the Shakopee Public Utilities Commission this 4th day of December 2023.

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Commission President: Justin Krieg

ATTEST:

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Commission Secretary: Greg Drent

RESOLUTION #2023-39

RESOLUTION ESTABLISHING ELECTRIC RATES FOR CUSTOMERS SERVED BY SHAKOPEE PUBLIC UTILITIES

BE IT RESOLVED BY THE SHAKOPEE PUBLIC UTILITIES COMMISSION at their meeting duly assembled on the 4th day of December, 2023, that Resolutions #2022-33 is repealed upon this resolution taking effect, and that the following electric rates shall be and hereby are established for applicable customers of the Shakopee Public Utilities Commission, City of Shakopee.

Section I: RESIDENTIAL SERVICE:  
Availability: Residential dwellings

The sum of:

Service Charge:	\$10.50 per month
Energy Charge:	\$0.1226 per KWH
Power Cost Adjustment:	set by separate resolution
Conservation Program Charge:	set by separate resolution

Minimum bill: the Service Charge

Section II: NOT USED

Section III: RESIDENTIAL SERVICE EV RATE (1) (2)

Availability: Residential Dwellings

Service is through separate meter for electric vehicle charging

The sum of:

Service Charge:	\$4.75 per month
Energy Charge:	
Off Peak (3)	\$0.0570 per KWH
On Peak (4)	\$0.2500 per KWH
Power Cost Adjustment	set by separate resolution
Conservation Program Charge:	set by separate resolution

- (1) Applicable to separately metered EV usage only
- (2) PCA applies
- (3) Off peak period is 10 pm to 8 am
- (4) On peak period is all other hours

Section IV: NOT USED

Section V: RESIDENTIAL SERVICE FOR SENIOR CITIZENS: (CLOSED)

Availability: Residential dwellings occupied by senior citizen(s)

The sum of:

Service Charge:	\$9.00 per month
Energy Charge:	\$0.1226 per KWH
Power Cost Adjustment:	set by separate resolution
Conservation Program Charge:	set by separate resolution

Minimum bill: the Service Charge

Section VI: COMMERCIAL SERVICE:

Availability: Non-residential customers with less than 15 KW Demand

The sum of:

Service Charge:	\$15.50 per month
Energy Charge:	\$0.1176 per KWH
Power Cost Adjustment:	set by separate resolution
Conservation Program Charge:	set by separate resolution

Minimum bill: the Service Charge

Section VII: GENERAL SERVICE:

Availability: Non-residential customers with demand of 15 KW but less than 150 KW. Service above 75 KW is 3 phase only, except by written exception.

The sum of:

<u>SERVICE CHARGE:</u>	\$60.00 per month
<u>DEMAND CHARGE:</u> All KW of billing demand	\$10.10 per KW

<u>ENERGY CHARGE:</u>	
All KWH per month	\$0.0793 per KWH
<u>POWER COST ADJUSTMENT</u>	set by separate resolution
<u>CONSERVATION PROGRAM CHARGE:</u>	set by separate resolution

Minimum monthly bill: the Service Charge plus the Demand Charge

**Billing Demand:**

The billing demand shall be the customer's greatest 15 minute demand in kilowatts, incurred during the month for which the bill is rendered, but not less than 60% of the highest demand during the preceding 11 months or 15 KW, whichever is greater.

**Section VIII: INDUSTRIAL SERVICE:**

Availability: Non-Residential customer with demand of 150 KW and over.

The billing demand shall be as described in this section.

**The sum of:**

<u>SERVICE CHARGE:</u>	\$100.00 per month
<u>DEMAND CHARGE:</u>	
All KW of billing demand	\$10.10 per KW
<u>ENERGY CHARGE:</u>	
First KWH's up to 400 hours times the billing Demand	\$0.0793 per KWH
All KWH's in excess of 400 hours times the billing Demand	\$0.0726 per KWH
<u>POWER COST ADJUSTMENT</u>	set by separate resolution
<u>CONSERVATION PROGRAM CHARGE:</u>	set by separate resolution

Minimum monthly bill: the Service Charge plus the Demand Charge

**Determination of billing Demand:**

The billing demand shall be the customer's greatest 15 minute demand in kilowatts, incurred during the month for which the bill is rendered, but not less than 60% of the highest billing demand during the preceding 11 months or 15 KW, whichever is greater.

The customer agrees to maintain an average power factor at or above 90%. If the average power factor is less than 90% lagging, the billing demand shall be adjusted by multiplying the actual 15 minute demand measured during the month by the ratio of 90% to the average power factor expressed in percent.

Average Power Factor:

The average power factor is defined to be the quotient obtained by dividing the KWH used during the month by the square root of the sum of the squares of the KWH used and the lagging reactive kilovolt-ampere-hours supplied during the same period. Any leading kilovolt-ampere-hours supplied during the period will not be considered in determining the average power factor.

Section IX: INDUSTRIAL SERVICE - with Time Of Use Option:

Availability: Non-Residential customer with demand of 1,000 KW and over, who would otherwise be subject to the requirements of Section VIII of Resolution #2022-06.

Limitations to Availability: Due to the exploratory basis on which Time Of Use Service is being offered, the availability of such service terms under Resolution #2022-06 is limited to one customer, and further subject to such practical limitations as may exist involving the availability of technology and the administrative practices to provide billing under such TOU rates.

The billing demand shall be as described in this section.

The sum of:

SERVICE CHARGE: \$120.00 per month

DEMAND CHARGE:

On-peak KW of billing demand \$10.10 per KW

Off-peak KW of billing demand  
in excess of On-peak KW  
of billing demand \$3.00 per KW

ENERGY CHARGE:

On-peak KWH's \$0.0848 per KWH

Off-peak KWH's \$0.0715 per KWH

with a credit applied to KWH's  
in excess of 400 hours times  
the billing demand \$0.0062 per KWH

TIME PERIODS:

On-peak period 9 a.m. - 10 p.m., M - F  
CST or CDT as applicable

Off-peak period all other hours

## OTHER TERMS APPLICABLE

Shakopee Utilities will make reasonable efforts to provide reliable and prompt billings within the provisions of this section, however, in the event of a failure to provide reliable billing as a result of deficiency in technology or in the administrative processing of billings under TOU rates, the customer will be responsible for payment of charges determined under the standard, non-TOU rates and terms provided under Resolution #2022-26.

### Section X: LOW LOAD FACTOR CLAUSE:

A customer, whose usage characteristic is routinely below a 5 percent monthly load factor, may apply to the Utilities Commission for assignment to another non-demand rate schedule. Consideration will be given to the contribution in aid of construction made by the customer to offset capital investment by the Shakopee Utilities, and may include other factors.

Any assignment granted will continue only for the period of time specified, and billing will revert to the standard rate schedule at the end of that period, except when the assignment is cancelled before the end of that period by the Utilities Commission. The Utilities Commission reserves the right to cancel an assignment granted under this section, and such cancellation may occur without prior notice.

### Section XI: LIMITED OFF PEAK CLAUSE:

A customer normally billed under a demand rate schedule, who anticipates a single instance usage of energy which is not typical for their service, may apply to the Utilities Commission in advance of the occurrence for an advanced waiver of the demand charges for that single instance of usage. Consideration will be given to the estimated cost of purchased power for the period of time covered by the single instance usage, the ability of the facilities in place to accommodate the unusual load, and may include other factors.

Any advance waiver granted will apply only for the period of time specified, and billing will revert to the standard rate schedule at the end of that period, except when the waiver is cancelled before the end of that period by the Utilities Commission. The Utilities Commission reserves the right to cancel the waiver granted under this section, and such cancellation may occur without prior notice.

### Section XII: THE FOLLOWING CLAUSES APPLY TO ALL RATES:

#### MONTHLY BILLS:

The monthly bill is the sum of the Service Charge, Energy Charge, Power Cost Adjustment, and Conservation Charge.

In addition to the forgoing, monthly bills also include the sum of the Demand Charge, and any adjustments for Power Factor and/or other adjustments referenced in this or other rate resolution of the Shakopee Public Utilities Commission.

Minimum bill provisions, late charges, penalties, and special charges, also apply.

POWER COST ADJUSTMENT:

There may be added to or deducted from the monthly bill a Power Adjustment charge, as set by Shakopee Public Utilities Commission Resolution.

CONSERVATION PROGRAM CHARGE:

A charge will be added to the monthly bill to fund a Conservation Program as mandated by the State of Minnesota and voluntary programs of similar nature by the Shakopee Public Utilities. The amount of the charge will be set by Shakopee Public Utilities Commission Resolution.

PRIMARY METERING:

At the option of the electric department, secondary voltage service hereunder may be metered at the primary voltage, in which case a 2% cash discount will be allowed on the amount of the monthly bill, with the discount applied to all charges except the power adjustment charge.

PRIMARY VOLTAGE SERVICE:

If the customer agrees to take service at the primary voltage available at his location and to pay all costs incurred in the ownership, operation and maintenance of transformers and substation equipment (except meters) with service to be metered at the primary voltage, a cash discount of 5% will be allowed on the amount of the monthly bill, with the discount applied to all charges except the power adjustment charge.

AVERAGE POWER FACTOR:

The average power factor is defined to be the quotient obtained by dividing the KWH used during the month by the square root of the sum of the squares of the KWH used and the lagging reactive kilovolt-ampere-hours supplied during the same period. Any leading kilovolt-ampere-hours supplied during the period will not be considered in determining the average power factor.

LOAD FACTOR:

Load factor is defined to be the quotient obtained by dividing the KWH used during the month, by the KW demand during the same period, and dividing the result by the number of hours in that billing period.

MINIMUM POWER FACTOR REQUIREMENT:

The customer must maintain an average power factor not less than 80% lagging, and avoid leading power factor at any time.

DEPOSIT REQUIRED:

Deposit requirements shall be consistent with terms outlined in a separate resolution of the Shakopee Public Utilities Commission.

PROMPT PAYMENT PROVISION:

A penalty of 5% shall be added to the current bill if not paid on or before the due date specified on the monthly Statement of Account following the date of billing.

Section XIII: SHAKOPEE ENERGY PARK:

Limitations to Availability: Due to the unique basis on which Wholesale Service is being offered, the availability of such service terms is limited to one customer (MMPA), and further subject to such practical limitations as may exist involving the availability of technology and the administrative practices to provide billing under such Wholesale Rates.

The billing electric service shall be as described in this section.

The sum of:

SERVICE CHARGE: \$100.00 per month

DEMAND CHARGE:  
MMPA's most current Wholesale Rates

ENERGY CHARGE:  
MMPA's most current Wholesale Rates

Underground Relocation Charge \$0.0003 per KWH

Conservation Improvement Program Charge 1.5%

Energy Adjustment Charge varies monthly

OTHER TERMS APPLICABLE:

Service provided and billed under Section XIII are subject to all terms, factors, and adjustments applicable under this Resolution, excluding the Power Cost Adjustment; other terms, conditions of service and policies of the Shakopee Public Utilities Commission as generally applicable.



Shakopee Utilities will make reasonable efforts to provide reliable and prompt billings within the provisions of this resolution, however, in the event of a failure to provide reliable billing as a result of deficiency in technology or in the administrative processing of billings under Wholesale rates, the customer will be responsible for payment of charges determined under the standard rates and terms provided under this Resolution.

BE IT FURTHER RESOLVED that at all times Commission staff shall comply with good utility business practices and all applicable Federal laws and Minnesota Statutes when processing account activity, i.e. applications, establishing accounts, deposits, billings, payment receipts, reminders of non-payment, disconnect notices, etc.

BE IT FURTHER RESOLVED that said terms and adjustments are to become effective immediately and applied to the January 2024 billings (which are due February 15), and all subsequent billings.

BE IT FURTHER RESOLVED that all things necessary to carry out the terms and purpose of the Resolution are hereby authorized and performed.

Passed in regular session of the Shakopee Public Utilities Commission, this 4th day of December, 2023.

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Commission President: Justin Krieg

ATTEST:

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Commission Secretary: Greg Drent

RESOLUTION #2023-40

RESOLUTION ESTABLISHING WATER RATES  
IN AND FOR THE CITY OF SHAKOPEE

BE IT RESOLVED BY THE SHAKOPEE PUBLIC UTILITIES COMMISSION at meeting duly assembled on the 4th day of December 2023, that Resolution #2022-34 is repealed upon this Resolution taking effect, that the following water rates shall be, and hereby are established for all users of water furnished by the City of Shakopee through the Shakopee Public Utilities Commission:

Section I: RESIDENTIAL SERVICE: (RW)

AVAILABILITY: The primary use is or will be single and multiple family dwellings.

First 5,000 gallons:	\$2.88 per 1,000 gallons per month
Above 5,000 gallons:	\$3.45 per 1,000 gallons per month

Plus a fixed charge per month of:

5/8 x 3/4 inch	\$4.61 per month
3/4 inch	\$5.07 per month
1 inch	\$6.44 per month
1 1/2 inch	\$8.29 per month
2 inch	\$13.35 per month
3 inch	\$50.64 per month
4 inch	\$64.44 per month
6 inch	\$96.68 per month
10 inch	\$230.17 per month

Section II: COMMERCIAL / INSTITUTIONAL SERVICE: (CW)

AVAILABILITY: The principle use is or will be the sale, lease, rental, or trade of products, goods, and services. This shall include office buildings and all institutional users including schools, churches, governmental buildings and nursing homes.

\$2.68 per 1,000 gallons per month

Plus a fixed charge per month of:

5/8 x 3/4 inch	\$4.61 per month
3/4 inch	\$5.07 per month
1 inch	\$6.44 per month
1 1/2 inch	\$8.29 per month
2 inch	\$13.35 per month
3 inch	\$50.64 per month
4 inch	\$64.44 per month

6 inch	\$96.68 per month
10 inch	\$230.17 per month

Section III: INDUSTRIAL SERVICE: (IW)

AVAILABILITY: The principle use is or will be for the production, manufacture, warehousing, storage, or transfer of goods, products, commodities, or other wholesale items.

\$2.32 per 1,000 gallons per month

Plus a fixed charge per month of:

5/8 x 3/4 inch	\$4.61 per month
3/4 inch	\$5.07 per month
1 inch	\$6.44 per month
1 1/2 inch	\$8.29 per month
2 inch	\$13.35 per month
3 inch	\$50.64 per month
4 inch	\$64.44 per month
6 inch	\$96.68 per month
10 inch	\$230.17 per month

Section IV: IRRIGATION SERVICE:

AVAILABILITY: The primary use is or will be for lawn and landscape irrigation.

\$3.45 per 1,000 gallons per month

Plus a fixed charge per month of:

5/8 x 3/4 inch	\$4.61 per month
3/4 inch	\$5.07 per month
1 inch	\$6.44 per month
1 1/2 inch	\$8.29 per month
2 inch	\$13.35 per month
3 inch	\$50.64 per month
4 inch	\$64.44 per month
6 inch	\$96.68 per month
10 inch	\$230.17 per month

Section V: UNSEWERED PRODUCTION WATER RATE:

AVAILABILITY: For business that use water for process and does not go into sewer system.

\$3.72 per 1000 gallons per month

Plus a fixed charge per month of:

5/8 x 3/4 inch	\$4.61 per month
3/4 inch	\$5.07 per month
1 inch	\$6.44 per month
1 1/2 inch	\$8.29 per month
2 inch	\$13.35 per month
3 inch	\$50.64 per month
4 inch	\$64.44 per month
6 inch	\$96.68 per month
10 inch	\$230.17 per month

Section VI: THE FOLLOWING CLAUSES APPLY TO ALL RATES:

MONTHLY BILLS:

The monthly bill is the sum of the commodity charge, reconstruction fund charge, the fixed charge, state water connection fee and any applicable sales tax.

In addition to the foregoing, monthly bills also include other adjustments referenced in this or other rate resolutions of the Shakopee Public Utilities Commission.

Minimum bill provisions, late charges, penalties, and special charges, also apply.

Section VII: THE FOLLOWING CLAUSES APPLY TO CERTAIN RATES:

Multiple-family Residential Dwellings:

Multiple-family residential dwellings are buildings or housing groupings which consist of several units each of which is intended and designed for one family or individual occupant. The designation is not dependent upon the actual occupancy of the units for their intended use. Shakopee Utilities will endeavor to adjust billing tier structures to accommodate residential units located in multiple-family dwelling installations and billed through a common water meter. The owner or the customer of record in such instances is responsible for furnishing all necessary information and documentation to provide the Shakopee Utilities the basis for making such adjustments. Adjustment will apply forward from the date documentation is provided and the determination made.

Metered Fire Services, Detector/Check Installations, and similar:

Fire Services having water meters, Detector/Check Installations, and similar services will be billed the regular standard monthly fixed charge applicable to all water meters. Water usage for actual fire suppression is not billed. No other water usage is permitted through such services, and such usage may be subject to charges and penalties specified under other resolutions, ordinances, or law.

BE IT FURTHER RESOLVED that all terms and adjustments described in this resolution are to become effective January 1, 2024.

Passed in regular session of the Shakopee Public Utilities Commission this 4<sup>th</sup> day of December 2023.

\_\_\_\_\_  
Commission President: Justin Krieg

ATTEST:

\_\_\_\_\_  
Commission Secretary: Greg Drent



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TO: Greg Drent, General Manger   
FROM: Joseph D. Adams, Planning & Engineering Director   
SUBJECT: 2024 – 2028 FINAL CAPITAL IMPROVEMENT PLAN  
DATE: November 27, 2023

**ISSUE:**

Attached is the 2024- 2028 Final Capital Improvement Plan for the Commission's consideration. The Plan covers Administrative, Electric and Water system improvements for the five-year period of 2024 - 2028.

**DISCUSSION:**

There are only a few minor changes from the 2024 — 2028 Semi-Final CIP presented to the Commission on November 6, 2023.

1. No changes to the Administrative CIP.
2. In the Electric CIP line 72 on page 2 of 4 of the Electric Detail was removed in its entirety. This line had data for assumed cost per mile to extend new underground electric feeder lines, the items immediately above. This was merely a note to aid staff and was not intended to be included in the additive formula to sum the columns for each year of the CIP. It was mistakenly included in the formula for adding items under the Convert OH to Underground projects, which were listed below line 72. The effect is a reduction in the total expenses for the Convert OH to UG projects on pages 1 of 1 of the Electric Summary and 2 of 4 of the Electric Detail.
3. In the Electric CIP line 122 on page 3 of 4 of the Electric Detail was added to account for the unfinished landscaping needing to be installed in 2024 at the West Shakopee substation. To not have to adjust the overall cost in this category the line above line 121 listing cost for substation exit circuits was reduced from \$500,000 to \$450,000 to allow for the separate listing of the \$50,000 landscaping cost.
4. In the Water CIP line 52 on page 2 of 3 of the Water Detail had the Item Description corrected to 0.75 mile for the distance the trunk water main will have to be extended. This did not require a change to estimated cost for the extension.
5. In the Water CIP original line 56 on page 2 of 3 of the Water Detail was removed in its entirety as it was a duplicate of the same water main for the transmission water main



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associated with the Tank 9 project that is listed on line 91 on page 3 of 4 of the Water Detail. This reduced the total cost of the Oversizing Trunk Water Main expenses in 2024 on line 15 on page 1 of 1 of the Water Summary and line 67 on page 2 of 3 of the Water Detail.

6. In the Water CIP line 64 on page 2 of 3 of the Water Detail was similarly modified to reflect the correct distance of 0.25 mile for the trunk water main extension. Again, there was no cost adjustment necessary.
7. In the Water CIP line 65 on page 2 of 3 of the Water Detail was similarly modified to reflect the correct distance of 0.50 mile for the trunk water main extension. Again, there was no cost adjustment necessary.

**REQUESTED ACTION:**

Staff requests that the Commission ACCEPT the Final 2024 - 2028 CIP as presented with the changes noted above.

**Shakopee Public Utilities  
Capital Improvement Plan  
Final  
Dated: 12/4/23  
Administrative Summary**

	Item Description	Justification	2024	2025	2026	2027	2028
1	Equipment	See detail	42,500	37,500	32,500	62,500	125,000
2	Hardware	See detail	557,513	182,567	112,275	189,478	75,000
3	Software	See detail	15,000	15,000	15,000	15,000	15,000
4							
5	<b>Total Administrative</b>		<b>\$ 615,013</b>	<b>\$ 235,067</b>	<b>\$ 159,775</b>	<b>\$ 266,978</b>	<b>\$ 215,000</b>
6							
7	<b>Cumulative Total Administrative</b>		<b>\$ 615,013</b>	<b>\$ 850,080</b>	<b>\$ 1,009,855</b>	<b>\$ 1,276,833</b>	<b>\$ 1,491,833</b>
8							
9		Electric	461,260	176,300	119,831	200,234	161,250
10		Water	153,753	58,767	39,944	66,745	53,750



**Shakopee Public Utilities  
Capital Improvement Plan  
Final  
Dated: 12/4/23  
Administrative Detail**

	Type	Item	Source of Request	Justification	Qty	Unit Cost	2024	2025	2026	2027	2028
1	Furn & Equipment	Work Station Configuration and Replacements	F&A - IT	Work Station Configuration and Replacements			15,000	25,000	-	10,000	-
2	Furn & Equipment	Miscellaneous Hardware	Building	Misc. Office equipment as needed			12,500	12,500	12,500	12,500	125,000
3	Furn & Equipment	Equipment Lockers - Shop Area	Building	Lockers and bench	15		15,000	-	-	-	-
4	Furn & Equipment	Electric Room Configuration - Cubicles	Electric	New furniture design and installation	5		-	-	20,000	-	-
5	Furn & Equipment	Commission Room Tables	Building	Conference room tables			-	-	-	40,000	-
6	<b>Total Equipment</b>						<b>42,500</b>	<b>37,500</b>	<b>32,500</b>	<b>62,500</b>	<b>125,000</b>
7	Hardware	HPE Aruba AP Replacements	F&A - IT	Aruba Aps end of life need replacement	25	1,425	35,625	35,625	-	-	-
8	Hardware	HPE Storeonce Veeam Storage Expansion	F&A - IT	Local Veeam backup storage expansion		22,000	22,000	22,000	-	-	-
9	Hardware	Commission Room Meeting Room System	Building	Replacement of Commission Room Equipment to utilize IoT	1		50,000	-	-	-	-
10	Hardware	Plan/Eng Plotter Replacement	Plan/Eng	Plan/Eng HP plotter is 5 years old future replacement		10,000	10,000	-	-	-	-
11	Hardware	Fiber Ring /INET Connectivity	F&A - IT	Connectivity/Redundancy for systems/remote sites	21	7,100	37,275	37,275	37,275	-	-
12	Hardware	Miscellaneous Hardware	F&A - IT	Future planning/Unplanned replacements			75,000	75,000	75,000	75,000	75,000
13	Hardware	Network Switches	F&A - IT	Future Standard Replacement Cycle	5	7,600	19,000	12,667	-	29,478	-
14	Hardware	Cluster Headend Replacement	F&A - IT	Replace Cluster Nodes for server high availability/recovery	3	7,871	23,613	-	-	-	-
15	Hardware	Offsite NAS	F&A - IT	Offsite network attached storage for backup / replication	1	13,000	13,000	-	-	-	-
16	Hardware	Fiber Buildout Eagle Creek to McColl	F&A - IT	Connectivity			260,000	-	-	-	-
17	Hardware	Remit Plus Scanners - Payment Processing	Cust. Service	Scanner Replacements	3	4,000	12,000	-	-	-	-
18	Hardware	Firewall	F&A - IT	Replace product reaching end of life support			-	-	-	45,000	-
19	Hardware	SAN Replacement	F&A - IT	Replacement of SAN	1	40,000	-	-	-	40,000	-
20	<b>Total Hardware</b>						<b>557,513</b>	<b>182,567</b>	<b>112,275</b>	<b>189,478</b>	<b>75,000</b>
21	Software	Finance Software	F&A - IT	Daffron replacement software - NISC			-	-	-	-	-
22	Software	NOVA Software Modifications	Plan/Eng	NOVA Software - build a custom modification			-	-	-	-	-
23	Software	LOGIS	F&A - IT	IT System Support			15,000	15,000	15,000	15,000	15,000
24	<b>Total Software</b>						<b>15,000</b>	<b>15,000</b>	<b>15,000</b>	<b>15,000</b>	<b>15,000</b>
25	<b>Total CIP Expenditures - Administration</b>						<b>615,013</b>	<b>235,067</b>	<b>159,775</b>	<b>266,978</b>	<b>215,000</b>

**Shakopee Public Utilities  
Capital Improvement Plan  
Final  
12/4/2023  
Electric Summary**

Item Description	Justification	2024	2025	2026	2027	2028
<b>Operating Fund</b>						
<b>System Projects</b>						
1 Miscellaneous	See Detail	175,000	175,000	175,000	175,000	175,000
2 System Material & Facilities	See Detail	3,180,000	2,080,000	3,280,000	1,980,000	1,980,000
3 Vehicles/Equipment	See Detail	1,012,000	435,000	350,000	290,000	225,000
<b>Local Area Projects</b>						
6 New UG Cables & Related Cost (Net of Contribution)	See Detail	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
7 Replace UG Cable Projects	See Detail	40,000	40,000	40,000	40,000	40,000
8 Rebuild OH Lines	See Detail	395,000	95,000	70,000	20,000	25,000
<b>Major System Projects</b>						
11 Feeder Extension Projects	See Detail	2,632,326	544,700	403,940	417,563	318,618
12 Convert OH to UG	See Detail	350,000	107,000	59,280	61,650	64,100
13 Territory Acquisition	See Detail	550,000	-	-	-	-
14 Shakopee Substation	See Detail	60,000	500,000	-	-	-
15 South Shakopee Substation	See Detail	130,000	-	-	-	-
16 Pike Lake Substation	See Detail	10,000	50,000	35,000	-	-
17 Dean Lake Substation	See Detail	60,000	-	-	-	-
18 East Shakopee Substation	See Detail	450,000	-	100,000	6,300,000	-
19 West Shakopee Substation	See Detail	730,000	200,000	-	-	-
20 Upgrade Projects	See Detail	295,000	280,000	305,000	240,000	240,000
22 ADVANCED METERING INFRASTRUCTURE (AMI)	See Detail	4,722,019	336,301	-	-	-
24 Service Center	See Detail	375,000	850,400	50,000	50,000	4,050,000
<b>Total Operating Fund</b>		<b>16,166,345</b>	<b>6,693,401</b>	<b>5,868,220</b>	<b>10,574,213</b>	<b>8,117,718</b>
<b>Relocation Fund</b>						
29 Relocation Projects	See Detail	316,864	60,000	365,000	65,000	65,000
<b>Total Relocation Fund</b>		<b>316,864</b>	<b>60,000</b>	<b>365,000</b>	<b>65,000</b>	<b>65,000</b>
<b>Total Electric</b>		<b>16,483,209</b>	<b>6,753,401</b>	<b>6,233,220</b>	<b>10,639,213</b>	<b>8,182,718</b>
<b>Cumulative Total Electric</b>		<b>16,483,209</b>	<b>23,236,610</b>	<b>29,469,830</b>	<b>40,109,043</b>	<b>48,291,761</b>

**Shakopee Public Utilities  
Capital Improvement Plan  
Final  
Dated: 12/4/23  
Electric Detail**

Item Description	Justification	2024	2025	2026	2027	2028
<b>Operating Fund</b>						
<b>System Projects</b>						
1 Miscellaneous	As Necessary	175,000	175,000	175,000	175,000	175,000
2 <b>Total Miscellaneous</b>		<b>175,000</b>	<b>175,000</b>	<b>175,000</b>	<b>175,000</b>	<b>175,000</b>
3 <b>System Material &amp; Facilities</b>						
4 Lateral Circuit Reconfiguration	System Reliability	25,000	25,000	25,000	25,000	25,000
5 Meters	New Construction	350,000	250,000	150,000	150,000	150,000
6 Padmount Switches & Related (IIJA Grant Program 50% match)	Load/Development	700,000	700,000	2,000,000	700,000	700,000
7 Distribution Transformers	Restock to min.	2,000,000	1,000,000	1,000,000	1,000,000	1,000,000
8 System Capacitors-Additional	PF Improvements	25,000	25,000	25,000	25,000	25,000
9 SCADA-Capacitor Control	Op. Efficiencies & Voltage Control	40,000	40,000	40,000	40,000	40,000
10 SCADA Switches for Tie Switches	System Reliability	40,000	40,000	40,000	40,000	40,000
11 <b>Total System Material &amp; Facilities</b>		<b>3,180,000</b>	<b>2,080,000</b>	<b>3,280,000</b>	<b>1,980,000</b>	<b>1,980,000</b>
12 <b>Vehicles/Equipment</b>						
13 Dump Truck	New Equipment	150,000	-	-	-	-
14 Mini Skid Loader	New Equipment	60,000	-	-	-	-
15 #610 F550 4x4 Service Truck	Life Cycle Replacement	200,000	-	-	-	-
16 Forklift	Life Cycle Replacement	30,000	-	-	-	-
17 Digger Truck #612 Bucket	Life Cycle Replacement	525,000	-	-	-	-
18 Storage Bins for Planning Truck #637	New Equipment	2,000	-	-	-	-
19 Construction-Related Equipment-New/Additional/Replacement	Tool Replacement	45,000	45,000	45,000	45,000	45,000
20 Air Compressor #628	Life Cycle Replacement	-	70,000	-	-	-
21 Directional Bore Equipment	New Equip for UG Construction	-	250,000	-	-	-
22 Equipment Trailer 30,000 lbs.	Life Cycle Replacement	-	20,000	-	-	-
23 #617 Replacement Truck	Life Cycle Replacement	-	50,000	-	-	-
24 #631 Service Truck 4X4	Life Cycle Replacement	-	-	50,000	-	-
25 #633 Service Truck 4X4	New Equipment	-	-	50,000	-	-
26 Woodchipper	Life Cycle Replacement	-	-	55,000	-	-
27 Vac-Tron	Life Cycle Replacement	-	-	95,000	-	-
28 Skidsteer	Life Cycle Replacement	-	-	55,000	-	-
29 #617 4x4 Pickup	Life Cycle Replacement	-	-	-	50,000	-
30 #613 4x4 Dump truck	Life Cycle Replacement	-	-	-	55,000	-
31 #627 4x4 Ext Cab Pickup	New Equipment	-	-	-	50,000	-
32 #645 4x4 Pickup	Life Cycle Replacement	-	-	-	50,000	-
33 3 Reel Trailer Wire	Life Cycle Replacement	-	-	-	40,000	-
34 Dump Trailer	Life Cycle Replacement	-	-	-	-	20,000
35 #646 4x4 Crew Cab Truck	Life Cycle Replacement	-	-	-	-	50,000
36 #632 Service body 1 ton Truck	Life Cycle Replacement	-	-	-	-	55,000
37 #642 1ton Dump Truck	Life Cycle Replacement	-	-	-	-	55,000
38 <b>Total Vehicles/Equipment</b>		<b>1,012,000</b>	<b>435,000</b>	<b>350,000</b>	<b>290,000</b>	<b>225,000</b>
39 <b>Local Area Projects</b>						
40 New UG Cables & Related Cost (Net of Contribution)	Load/Development	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
41 <b>Total New UG Cables &amp; Related Cost (Net of Contribution)</b>		<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>
42						

**Shakopee Public Utilities  
Capital Improvement Plan  
Final  
Dated: 12/4/23  
Electric Detail**

Item Description	Justification	2024	2025	2026	2027	2028
<b>43</b>						
<b>44</b>	<b>Replace UG Cable Projects</b>					
<b>45</b>	Replace UG Cable - Projects Yet To Be Determined	As Needed	40,000	40,000	40,000	40,000
<b>46</b>	<b>Total Replace UG Cable Projects</b>		<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</b>
<b>47</b>						
<b>48</b>	<b>Rebuild OH Lines</b>					
<b>49</b>	SS-32 CR 15 @Hwy 169 Ramps 0.50 mile Roundabout	Street Project	125,000	-	-	-
<b>50</b>	SS-83 CR78/CR69 Roundabout	Street Project	150,000	-	-	-
<b>51</b>	DL-52 Eagle Creek Blvd@Vierling Drive Roundabout	Street Project	25,000	-	-	-
<b>52</b>	Rewire/rebuild MVEC circuits to SPU standards	Upgrade	75,000	75,000	-	-
<b>53</b>	CR78/79 Roundabout	Street Project	-	-	50,000	-
<b>54</b>	Rebuild OH lines - as needed RP3	Change Out	20,000	20,000	20,000	25,000
<b>55</b>	<b>Total Rebuild OH Lines</b>		<b>395,000</b>	<b>95,000</b>	<b>70,000</b>	<b>20,000</b>
<b>56</b>	<b>Major System Projects</b>					
<b>57</b>						
<b>58</b>	<b>Feeder Extension Projects</b>					
<b>59</b>	West Shakopee Substation Exit Circuits	Load Grown	628,000	-	-	-
<b>60</b>	Dean Lake Sub Exit Circuits 1.0 mile	Load Growth	238,000	-	-	-
<b>61</b>	PL-76 to Southbridge	Loss of Blue Lake Circuits	275,000	-	-	-
<b>62</b>	SS-32 CR 16 Ext. from CR15 to CR69 1.0 mile	Street Project & Development	205,234	-	-	-
<b>63</b>	DL-97 New Feeder DL Sub to Unbridled Ave 1.0 mile	Development (Canterbury Commons)	142,280	-	-	-
<b>64</b>	DL-42 Feeder Extension to Data Center 1.0 mile	Load Growth (Data Center)	136,812	-	-	-
<b>65</b>	Dean Lake to BL Feeder tie 1.0 miles	Loss of Blue Lake Circuits	250,000	-	-	-
<b>66</b>	WS-XX to Breeggemann Parcel	Development	208,000	-	-	-
<b>67</b>	DL-9X to Valley Green Business Park	Load Growth	274,000	156,000	-	-
<b>68</b>	SS-84 New Feeder SS Sub to CR 17 via Stonebrooke 0.75 mile	Load Growth	-	102,700	106,500	111,200
<b>69</b>	Projects Yet to be Determined 1.0 mile	As Necessary	275,000	286,000	297,440	306,363
<b>70</b>	<b>Total Feeder Extension Projects</b>		<b>2,632,326</b>	<b>544,700</b>	<b>403,940</b>	<b>417,563</b>
<b>71</b>						
<b>73</b>						
<b>74</b>	<b>Convert OH to UG</b>					
<b>75</b>	Eagle Creek Blvd UG .50 miles East of Vierling 100% SPU	Reliability	350,000	-	-	-
<b>76</b>	Muhlenhardt Undergrounding 0.75 mile	Reliability	-	50,000	-	-
<b>77</b>	Residential OH to UG Conversion, 2 blocks per year, 40 customer/year	Reliability	-	57,000	59,280	61,650
<b>78</b>	<b>Total Convert OH to UG</b>		<b>350,000</b>	<b>107,000</b>	<b>59,280</b>	<b>61,650</b>
<b>79</b>	<b>Territory Acquisition</b>					
<b>80</b>	Territory Acquisition "build OH & UG to Asphalt Plant 1.0 miles"	Consolidation	250,000	-	-	-
<b>81</b>	Territory Acquisition - reinforce feeder network	Consolidation	300,000	-	-	-
<b>82</b>	<b>Total Territory Acquisition</b>		<b>550,000</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>83</b>						
<b>84</b>						
<b>85</b>						
<b>86</b>						

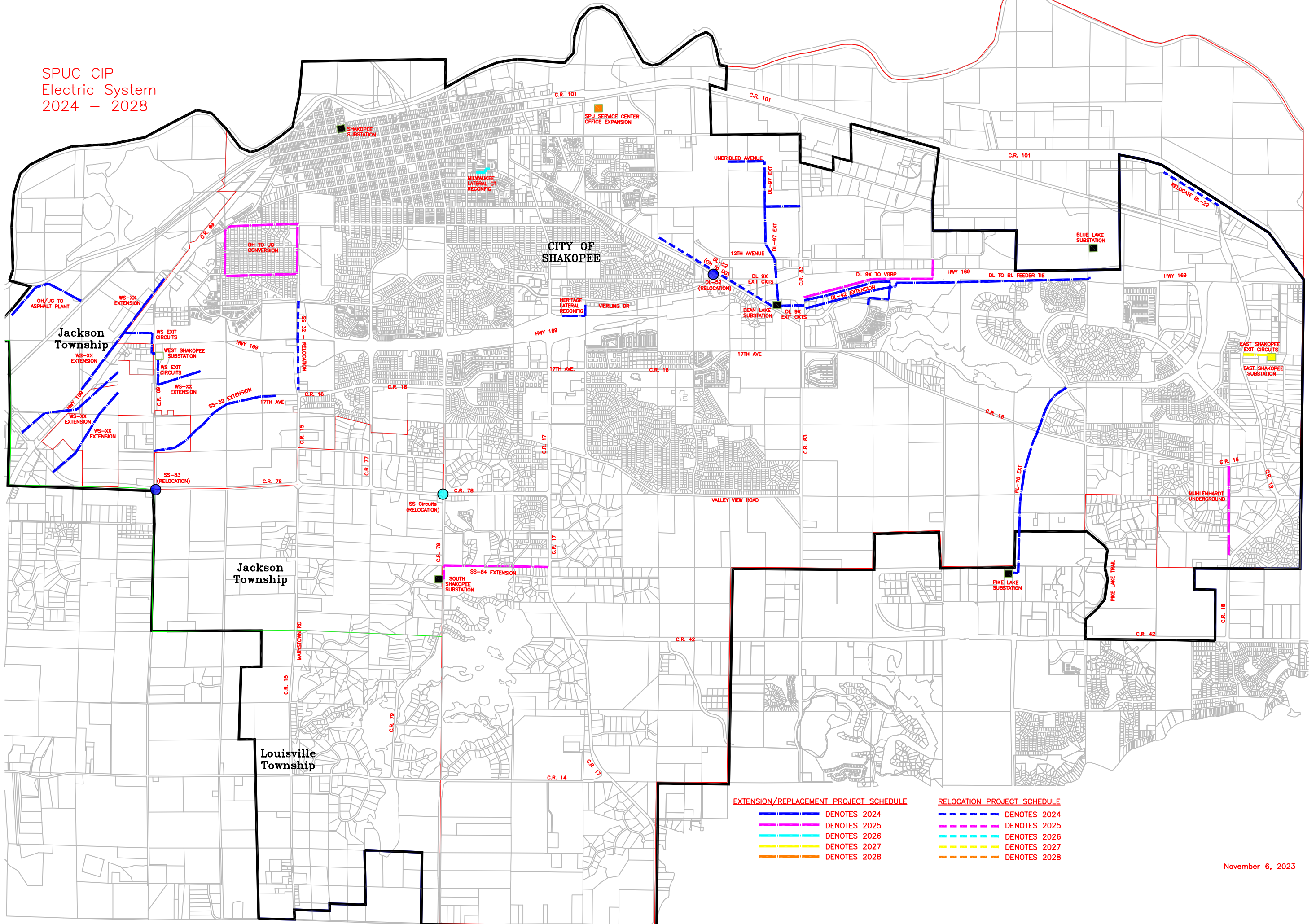
**Shakopee Public Utilities  
Capital Improvement Plan  
Final  
Dated: 12/4/23  
Electric Detail**

Item Description	Justification	2024	2025	2026	2027	2028
<b>87 Shakopee Substation</b>						
88 Replace A/C unit in switch house 1	Maintenance	10,000	-	-	-	-
89 Substation to County Fiber & Fiber Equipment	Safety	50,000	-	-	-	-
90 Land Rights	Load Growth/Downtown Re-development	-	500,000	-	-	-
<b>91 Total Shakopee Substation</b>		<b>60,000</b>	<b>500,000</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>92</b>						
<b>93 South Shakopee Substation</b>						
94 Oil Change Out on Tap Changer (Transformer 1)	Maintenance/Extend Life of Tap Changer	35,000	-	-	-	-
95 Replace A/C unit in switch house 2	Maintenance	10,000	-	-	-	-
96 Substation to County Fiber & Fiber Equipment	Safety	50,000	-	-	-	-
97 Oil Change Out on Tap Changer (Transformer 2)	Maintenance/Extend Life of Tap Changer	35,000	-	-	-	-
<b>98 Total South Shakopee Substation</b>		<b>130,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>99</b>						
<b>100 Pike Lake Substation</b>						
101 Replace A/C unit in switch house 1	Maintenance	10,000	-	-	-	-
102 Substation to County Fiber & Fiber Equipment	Safety	-	50,000	-	-	-
103 Oil Change Out on Tap Changer	Maintenance/Extend Life of Tap Changer	-	-	35,000	-	-
<b>104 Total Pike Lake Substation</b>		<b>10,000</b>	<b>50,000</b>	<b>35,000</b>	<b>-</b>	<b>-</b>
<b>105</b>						
<b>106 Dean Lake Substation</b>						
107 Replace A/C unit in switch house	Maintenance	10,000	-	-	-	-
108 Substation to County Fiber & Fiber Equipment	Safety	50,000	-	-	-	-
<b>109 Total Dean Lake Substation</b>		<b>60,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>110</b>						
<b>111 East Shakopee Substation</b>						
112 Planning/Design/Project Management	Load Growth	400,000	-	100,000	-	-
113 Construction	Load Growth	50,000	-	-	6,250,000	-
114 Substation to County Fiber & Fiber Equipment	Safety	-	-	-	50,000	-
<b>115 Total East Shakopee Substation</b>		<b>450,000</b>	<b>-</b>	<b>100,000</b>	<b>6,300,000</b>	<b>-</b>
<b>116</b>						
<b>117 West Shakopee Substation</b>						
118 Planning/Design/Project Management	Load Growth	30,000	-	-	-	-
119 Duct banks for WS-Exit circuits through roundabout on 69 South	Load Growth	150,000	-	-	-	-
120 Substation to County Fiber & Fiber Equipment	Safety	50,000	-	-	-	-
121 WS-Exit Circuits	Load Growth	450,000	-	-	-	-
122 Landscaping	Development	50,000	-	-	-	-
123 WS - XX Feeder Extension West of River Valley Business Center	Development	-	200,000	-	-	-
<b>124 Total West Shakopee Substation</b>		<b>730,000</b>	<b>200,000</b>	<b>-</b>	<b>-</b>	<b>-</b>

**Shakopee Public Utilities  
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Item Description	Justification	2024	2025	2026	2027	2028
<b>125</b>						
<b>126 Upgrade Projects</b>						
<b>127</b> Heritage Lateral Reconfiguration	Safety	25,000	-	-	-	-
<b>128</b> Pole Replacement	Maintenance	50,000	50,000	50,000	-	-
<b>129</b> Milwaukee Court Lateral Reconfiguration	Safety	-	-	25,000	-	-
<b>130</b> Projects yet to be determined	Load Growth	220,000	230,000	230,000	240,000	240,000
<b>131 Total Upgrade Projects</b>		<b>295,000</b>	<b>280,000</b>	<b>305,000</b>	<b>240,000</b>	<b>240,000</b>
<b>132</b>						
<b>133 ADVANCED METERING INFRASTRUCTURE (AMI)</b>						
<b>134</b> Construction/Implementation/Hardware/Software/Training/Project Management	Customer Service	4,722,019	336,301	-	-	-
<b>135 Total ADVANCED METERING INFRASTRUCTURE (AMI)</b>		<b>4,722,019</b>	<b>336,301</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>136</b>						
<b>137 Service Center</b>						
<b>138</b> Service Center to Fiber	Safety	50,000	-	-	-	-
<b>139</b> Display Case Office	Marketing	10,000	-	-	-	-
<b>140</b> Facilities Exterior Main Door Replacement	Maintenance	40,000	-	-	-	-
<b>141</b> Commission Room Remodel	Reconfigure Commission Room	200,000	-	-	-	-
<b>142</b> Garage Heaters	Maintenance	30,000	-	-	-	-
<b>143</b> Miscellaneous Building Improvements/Replacements	Maintenance & Requested Changes	45,000	50,000	50,000	50,000	50,000
<b>144</b> Facility Roof Replacement	Maintenance	-	800,400	-	-	-
<b>145</b> Building Expansion Office	Staff Additions	-	-	-	-	4,000,000
<b>146 Total Service Center</b>		<b>375,000</b>	<b>850,400</b>	<b>50,000</b>	<b>50,000</b>	<b>4,050,000</b>
<b>147</b>						
<b>148 Total Operating Fund</b>		<b>16,166,345</b>	<b>6,693,401</b>	<b>5,868,220</b>	<b>10,574,213</b>	<b>8,117,718</b>
<b>149</b>						
<b>150 Relocation Fund</b>						
<b>151 Relocation Projects</b>						
<b>152</b> SS-32 CR 15 & Hwy 169 Ramps 0.50 mile	Roundabout Impacts	136,864	-	-	-	-
<b>153</b> CR78/CR69 Roundabout	Roundabout Impacts	60,000	-	-	-	-
<b>154</b> DL-52 Eagle Creek Blvd@Vierling Drive Roundabout	Street Project	60,000	-	-	-	-
<b>155</b> CR78/CR79 Roundabout (2 x OH + 2 x UG)	Roundabout Impacts	-	-	300,000	-	-
<b>156</b> Projects Yet to Be Determined 0.50 Ckt. mile	As Necessary	60,000	60,000	65,000	65,000	65,000
<b>157 Total Relocation Projects</b>		<b>316,864</b>	<b>60,000</b>	<b>365,000</b>	<b>65,000</b>	<b>65,000</b>
<b>158</b>						
<b>159 Total Relocation Fund</b>		<b>316,864</b>	<b>60,000</b>	<b>365,000</b>	<b>65,000</b>	<b>65,000</b>
<b>160</b>						
<b>161 Total Electric</b>		<b>16,483,209</b>	<b>6,753,401</b>	<b>6,233,220</b>	<b>10,639,213</b>	<b>8,182,718</b>

SPUC CIP  
Electric System  
2024 - 2028



EXTENSION/REPLACEMENT PROJECT SCHEDULE		RELOCATION PROJECT SCHEDULE	
<span style="color: blue;">—</span>	DENOTES 2024	<span style="color: blue;">- - -</span>	DENOTES 2024
<span style="color: magenta;">—</span>	DENOTES 2025	<span style="color: magenta;">- - -</span>	DENOTES 2025
<span style="color: cyan;">—</span>	DENOTES 2026	<span style="color: cyan;">- - -</span>	DENOTES 2026
<span style="color: yellow;">—</span>	DENOTES 2027	<span style="color: yellow;">- - -</span>	DENOTES 2027
<span style="color: orange;">—</span>	DENOTES 2028	<span style="color: orange;">- - -</span>	DENOTES 2028

**Shakopee Public Utilities  
Capital Improvement Plan  
Final  
Dated: 12/4/23  
Water Summary**

Item Description	Justification	2024	2025	2026	2027	2028
<u>Operating Fund</u>						
1 Miscellaneous	See Detail	730,000	290,000	365,000	320,000	320,000
2 System Upgrades	See Detail	155,000	2,240,000	2,095,000	15,000	15,000
3 ADVANCED METERING INFRASTRUCTURE (AMI)	See Detail	3,558,132	274,693	-	-	-
4 Vehicles/Equipment	See Detail	58,000	90,000	116,000	-	-
5						
6 <b>Total Operating Fund</b>		<b>4,501,132</b>	<b>2,894,693</b>	<b>2,576,000</b>	<b>335,000</b>	<b>335,000</b>
7						
<u>Reconstruction Fund</u>						
9 Reconstruction Projects	See Detail	305,000	170,000	85,000	2,070,000	175,000
10						
11 <b>Total Reconstruction Fund</b>		<b>305,000</b>	<b>170,000</b>	<b>85,000</b>	<b>2,070,000</b>	<b>175,000</b>
12						
<u>Trunk Fund</u>						
14 Trunk Water Mains - SPUC Projects	See Detail	375,000	-	75,000	150,000	-
15 Over Sizing - Non-SPUC Projects	See Detail	712,500	970,000	-	-	1,090,000
16						
17 <b>Total Trunk Fund</b>		<b>1,087,500</b>	<b>970,000</b>	<b>75,000</b>	<b>150,000</b>	<b>1,090,000</b>
18						
<u>Connection Fund</u>						
20 Wells	See Detail	220,000	730,000	660,000	-	-
21 Water Treatment	See Detail	9,500,000	1,000,000	1,250,000	11,000,000	16,000,000
22 Pump House Additions/Expansions	See Detail	3,835,000	1,300,000	100,000	3,640,000	4,550,000
23 New Tanks and Transmission Water Main	See Detail	4,750,000	-	-	-	-
24 Booster Stations	See Detail	650,000	2,000,000	-	-	4,000,000
25 Auxiliary Facilities	See Detail	120,000	510,000	60,000	472,500	-
26						
27 <b>Total Connection Fund</b>		<b>19,075,000</b>	<b>5,540,000</b>	<b>2,070,000</b>	<b>15,112,500</b>	<b>24,550,000</b>
28						
29 <b>Total Water</b>		<b>24,968,632</b>	<b>9,574,693</b>	<b>4,806,000</b>	<b>17,667,500</b>	<b>26,150,000</b>
30						
31 <b>Cumulative Total Water</b>		<b>24,968,632</b>	<b>34,543,325</b>	<b>39,349,325</b>	<b>57,016,825</b>	<b>83,166,825</b>



**Shakopee Public Utilities  
Capital Improvement Plan  
Final  
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Water Detail**

Item Description	Justification	2024	2025	2026	2027	2028
<b>Operating Fund</b>						
<b>Miscellaneous</b>						
CSAH 16 CIF 22-006 Trail Extension adjust valves & hydrants	Trail Extension	25,000	-	-	-	-
Emergency Power Generation Conversion @ Riverview Booster Station	Extended Sustainability	320,000	-	-	-	-
Chemical Feed Improvements	Safety/Enhanced Accuracy	20,000	-	-	-	-
Cty Rd 78/69 Roundabout	Water Main Casing	75,000	-	-	-	-
Water Meters	PM/Development	175,000	175,000	175,000	200,000	200,000
Reservoir Maintenance	Preventative Maintenance	50,000	50,000	50,000	50,000	50,000
Power Wash Towers	Preventative Maintenance	25,000	25,000	25,000	30,000	30,000
Hydrant Replacement	As Needed	40,000	40,000	40,000	40,000	40,000
Cty Rd 78/79 Roundabout	Water Main Casing	-	-	75,000	-	-
<b>Total Miscellaneous</b>		<b>730,000</b>	<b>290,000</b>	<b>365,000</b>	<b>320,000</b>	<b>320,000</b>
<b>System Upgrades</b>						
SCADA Upgrades	Water System Reliability	40,000	-	-	-	-
Fiber Hardware	AMI and SCADA for 4 tanks	100,000	100,000	-	-	-
Miscellaneous Equipment	As Needed	15,000	15,000	15,000	15,000	15,000
Recoat Reservoir #3 Canterbury Road	Preventative Maintenance	-	2,000,000	-	-	-
Recoat Reservoir #4 Dominion Ave	Preventative Maintenance	-	125,000	2,080,000	-	-
<b>Total System Upgrades</b>		<b>155,000</b>	<b>2,240,000</b>	<b>2,095,000</b>	<b>15,000</b>	<b>15,000</b>
<b>Advanced Metering Infrastructure (AMI)</b>						
Construction/Implementation/Hardware/Software/Training/Project Management	Customer Service	3,558,132	274,693	-	-	-
<b>Total Advanced Metering Infrastructure (AMI)</b>		<b>3,558,132</b>	<b>274,693</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Vehicles/Equipment</b>						
Replace Truck #615 (2012)	Life Cycle Replacement	58,000	-	-	-	-
Replace Truck #630 (2014)	Life Cycle Replacement	-	90,000	-	-	-
Replace Truck #626 (2015)	Life Cycle Replacement	-	-	58,000	-	-
Replace Truck #634 (2015)	Life Cycle Replacement	-	-	58,000	-	-
<b>Total Vehicles/Equipment</b>		<b>58,000</b>	<b>90,000</b>	<b>116,000</b>	<b>-</b>	<b>-</b>
<b>Total Operating Fund</b>						
		<b>4,501,132</b>	<b>2,894,693</b>	<b>2,576,000</b>	<b>335,000</b>	<b>335,000</b>
<b>Reconstruction Fund</b>						
<b>Reconstruction</b>						
Vierling/Eagle Creek Blvd Roundabout Watermain Relocation	City Street Recon	115,000	-	-	-	-
Bituminous Overlay	City CIP	40,000	40,000	25,000	-	35,000
Correct Deficient Services	As Needed	80,000	80,000	40,000	40,000	40,000
Full-Depth Pavement Reconstruction	City CIP	20,000	50,000	20,000	30,000	100,000
Water Main Reconstruction	City Street Recon	-	-	-	2,000,000	-
Project To be determined		50,000	-	-	-	-
<b>Total Reconstruction</b>		<b>305,000</b>	<b>170,000</b>	<b>85,000</b>	<b>2,070,000</b>	<b>175,000</b>
<b>Total Reconstruction Fund</b>						
		<b>305,000</b>	<b>170,000</b>	<b>85,000</b>	<b>2,070,000</b>	<b>175,000</b>

**Shakopee Public Utilities  
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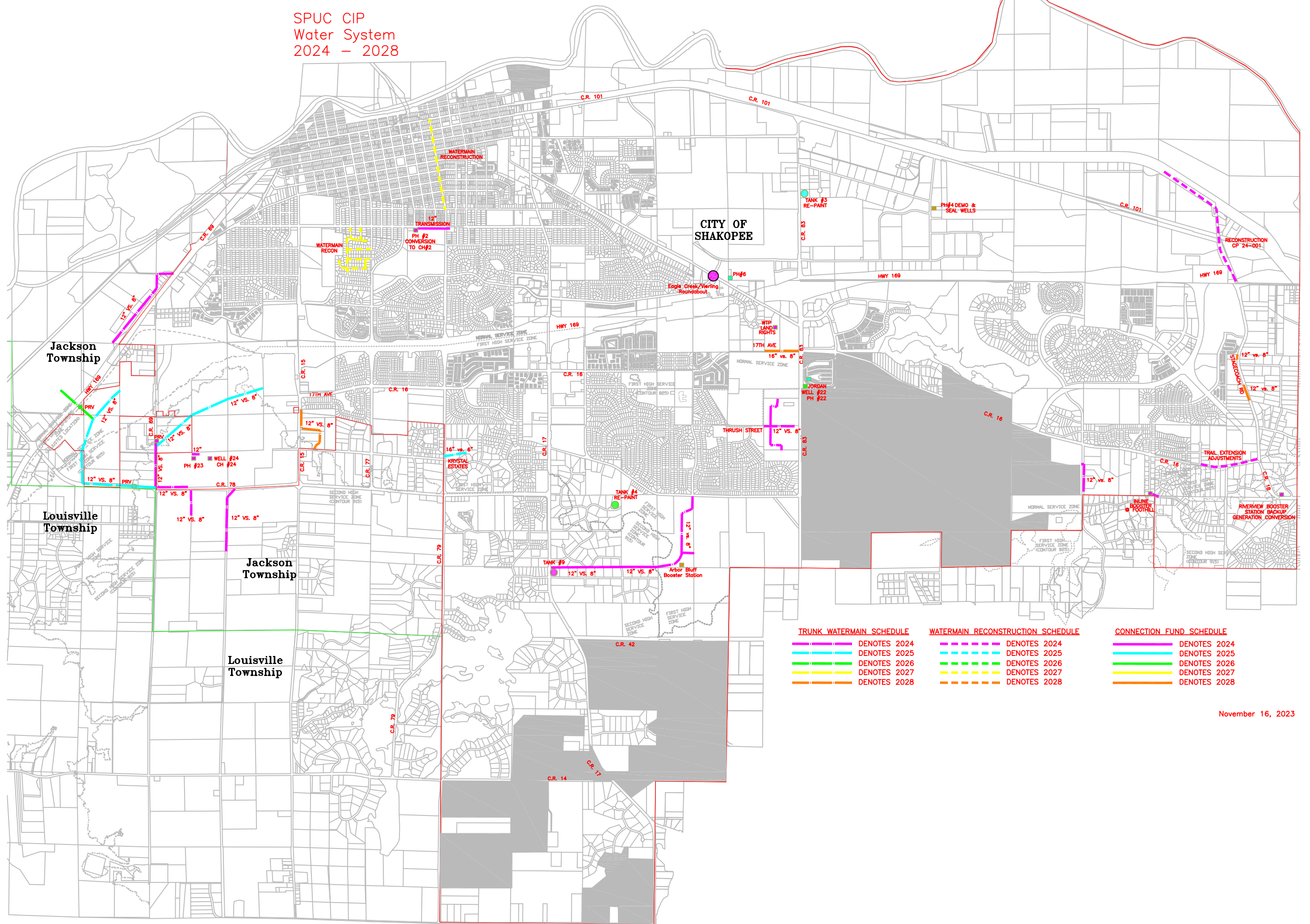
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Item Description	Justification	2024	2025	2026	2027	2028
<b>Trunk Fund</b>						
<b>Trunk Water Mains - SPU Projects (Completed by SPU)</b>						
12" WM West of Tank #8 to LaTour Drive	Development	275,000	-	-	-	-
Misc. expenses to coordinated w/County & City Projects	Development	-	-	75,000	150,000	-
Projects to be determined		100,000	-	-	-	-
<b>Total Trunk Water Mains - SPU Projects</b>		<b>375,000</b>	<b>-</b>	<b>75,000</b>	<b>150,000</b>	<b>-</b>
<b>Over Sizing - Non-SPU Projects (Completed by Others)</b>						
12" WM Pike Lake Road, Whispering Waters 2nd Addition	Development	50,000	-	-	-	-
12" WM Parallel to CR 69 South from Vierling Drive 0.75 mile NES	Development	125,000	-	-	-	-
12" WM Thrush Street from CR 83 to 0.25 mile West 1- HES	Development	62,500	-	-	-	-
12" WM CR 83 from Thrush Street to 0.50 mile north and south 1-HES	Development	125,000	-	-	-	-
12" WM South of Valley View Road @ Independence 0.50 mile (Hauer) 1-HES	Development	125,000	-	-	-	-
12" WM West of Tank #8 Site thru area B to CR 69 0.25 mile	Development	62,500	-	-	-	-
12" WM CR 69 0.25 miles north of CR 78	Development	62,500	-	-	-	-
12" WM West of CR 69 thru area B 1.0 miles 1-HES	Development	-	260,000	-	-	-
12" WM West of CR 69 thru area B 1.0 miles 2-HES	Development	-	260,000	-	-	-
12" WM Vierling Drive West from CR 69 0.25 mile NES	Development	-	65,000	-	-	-
12" WM CR 16 from CR 15 west to CR 69 - 0.75 mile 2-HES	Development/City Project/Scott County	-	200,000	-	-	-
16" WM Krystal Addition to CR 79 (800 ft) NES	Development	-	185,000	-	-	-
12" WM on Stagecoach Rd from Eagle Creek Preserve to Hansen Ave .025 miles	Development	-	-	-	-	150,000
16" WM East from Monarch Estates parallel to 17th Ave 0.25 miles	Development	-	-	-	-	400,000
16" WM South of Countryside parallel to CR 15 0.5 miles	Development	-	-	-	-	540,000
Projects to be determined		100,000	-	-	-	-
<b>Total Over Sizing - Non-SPU Projects</b>		<b>712,500</b>	<b>970,000</b>	<b>-</b>	<b>-</b>	<b>1,090,000</b>
<b>Total Trunk Fund</b>		<b>1,087,500</b>	<b>970,000</b>	<b>75,000</b>	<b>150,000</b>	<b>1,090,000</b>
<b>Connection Fund</b>						
<b>Wells</b>						
Observation Well TBD @ location TBD	Monitoring	130,000	-	-	-	-
Jordan Well #24 Submersible @ Tank #8 Site	Development	90,000	630,000			
1-HES Jordan Well #22 @ Church Addition	Development	-	100,000	660,000	-	-
<b>Total Wells</b>		<b>220,000</b>	<b>730,000</b>	<b>660,000</b>	<b>-</b>	<b>-</b>
<b>Water Treatment</b>						
Land Rights	Development	8,000,000	-	-	-	-
NES Treatment Plant for PFAS et all	Safety/Water Treatment	-	-	250,000	10,000,000	15,000,000
Raw Watermain locations TBD	Water Quality	1,500,000	1,000,000	1,000,000	1,000,000	1,000,000
<b>Total Water Treatment</b>		<b>9,500,000</b>	<b>1,000,000</b>	<b>1,250,000</b>	<b>11,000,000</b>	<b>16,000,000</b>

**Shakopee Public Utilities  
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Water Detail**

Item Description	Justification	2024	2025	2026	2027	2028
<b>81 Pump House Additions/Expansions</b>						
<b>82</b> 2-HES Pump House 23 @ Tank #8 Site (includes landscaping for tank #8)	Development	3,725,000	100,000	-	-	-
<b>83</b> Pumphouse #6 Grade Change & Backup Generation	Water Supply	110,000	1,200,000	-	-	-
<b>84</b> NES Pumphouse for Well #22 (Church Addition)	Safety/Water Treatment	-	-	100,000	3,640,000	-
<b>85</b> Pumphouse #4 Demolition / Wells 4 and 5 sealing	Safety	-	-	-	-	300,000
<b>86</b> PH#2 Conversion to Control House and raw watermain to PH#3	Safety/Water Treatment	-	-	-	-	4,250,000
<b>87 Total Pump House Additions/Expansions</b>		<b>3,835,000</b>	<b>1,300,000</b>	<b>100,000</b>	<b>3,640,000</b>	<b>4,550,000</b>
<b>88</b>						
<b>89 New Tanks and Transmission Water Main</b>						
<b>90</b> 2-HES District Storage (0.5 MG, Elevated Tank #9) @ Wood Duck Trail	Development	4,000,000	-	-	-	-
<b>91</b> 12" Transmission WM East of Tank #9 0.75 miles		750,000	-	-	-	-
<b>92 Total New Tanks and Transmission Water Main</b>		<b>4,750,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>93 Booster Stations</b>						
<b>94</b> Inline Booster Station Site @ Foothill Road and Horizon Drive	Development	400,000	-	-	-	-
<b>95</b> IHES to 2HES Inline Booster Station @ Foothill/Horizon	Development	100,000	2,000,000	-	-	-
<b>96</b> IHES to 2HES Booster Station @ Arbor Bluffs site design construction	Development	150,000	-	-	-	4,000,000
<b>97 Total Booster Stations</b>		<b>650,000</b>	<b>2,000,000</b>	<b>-</b>	<b>-</b>	<b>4,000,000</b>
<b>98 Auxiliary Facilities</b>						
<b>99</b> Normal Zone Elevated Tank Altitude Valves	Pressure Control	60,000	-	-	-	-
<b>100</b> Pressure Reducing Valve - 2-HES to 1-HES @ CR 69	Development	60,000	-	-	-	-
<b>101</b> Fill Station Design and Construction locations TBD	Expanded Water Service to Contractors	-	450,000	-	472,500	-
<b>102</b> Pressure Reducing Valve - 2-HES to 1-HES @ CR 78	Development	-	60,000	-	-	-
<b>103</b> Pressure Reducing Valve - 1-HES to NES on Hwy 169	Development	-	-	60,000	-	-
<b>104 Total Auxiliary Facilities</b>		<b>120,000</b>	<b>510,000</b>	<b>60,000</b>	<b>472,500</b>	<b>-</b>
<b>105 Total Connection Fund</b>		<b>19,075,000</b>	<b>5,540,000</b>	<b>2,070,000</b>	<b>15,112,500</b>	<b>24,550,000</b>
<b>106 Total Water</b>		<b>24,968,632</b>	<b>9,574,693</b>	<b>4,806,000</b>	<b>17,667,500</b>	<b>26,150,000</b>

SPUC CIP  
Water System  
2024 – 2028





TRUNK WATERMAIN SCHEDULE	WATERMAIN RECONSTRUCTION SCHEDULE	CONNECTION FUND SCHEDULE
DENOTES 2024	DENOTES 2024	DENOTES 2024
DENOTES 2025	DENOTES 2025	DENOTES 2025
DENOTES 2026	DENOTES 2026	DENOTES 2026
DENOTES 2027	DENOTES 2027	DENOTES 2027
DENOTES 2028	DENOTES 2028	DENOTES 2028

November 16, 2023



PO Box 470 • 255 Sarazin Street  
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Main 952.445-1988 • Fax 952.445-7767  
www.shakopeeutilities.com

TO: Greg Drent, General Manger   
FROM: Joseph D. Adams, Planning & Engineering Director   
SUBJECT: 2024 Administration, Electric and Water Capital Projects & Equipment  
DATE: November 27, 2023

Attached are the list of the 2024 Administrative, Electric and Water Capital Projects & Equipment submitted for Commission **APPROVAL**.

**Shakopee Public Utilities  
Capital Improvement Plan  
Final  
Dated: 12/4/23  
Administrative Summary**

1  
2  
3  
4  
5  
6  
7  
8  
9  
10

Item Description			Justification	2024
Equipment			See detail	42,500
Hardware			See detail	557,513
Software			See detail	15,000
<b>Total Administrative</b>				<b>\$ 615,013</b>
<b>Cumulative Total Administrative</b>				<b>\$ 615,013</b>
			Electric	461,260
			Water	153,753

**Shakopee Public Utilities  
Capital Improvement Plan  
Final  
Dated: 12/4/23  
Administrative Detail**

	Type	Item	Source of Request	Justification	Qty	Unit Cost	2024
1	Furn & Equipment	Work Station Configuration and Replacements	F&A - IT	Work Station Configuration and Replacements			15,000
2	Furn & Equipment	Miscellaneous Hardware	Building	Misc. Office equipment as needed			12,500
3	Furn & Equipment	Equipment Lockers - Shop Area	Building	Lockers and bench	15		15,000
4							
5							
6	<b>Total Equipment</b>						<b>42,500</b>
7	Hardware	HPE Aruba AP Replacements	F&A - IT	Aruba Aps end of life need replacement	25	1,425	35,625
8	Hardware	HPE Storeonce Veeam Storage Expansion	F&A - IT	Local Veeam backup storage expansion		22,000	22,000
9	Hardware	Commission Room Meeting Room System	Building	Replacement of Commission Room Equipment to utilize IoT	1		50,000
10	Hardware	Plan/Eng Plotter Replacement	Plan/Eng	Plan/Eng HP plotter is 5 years old future replacement		10,000	10,000
11	Hardware	Fiber Ring /INET Connectivity	F&A - IT	Connectivity/Redundancy for systems/remote sites	21	7,100	37,275
12	Hardware	Miscellaneous Hardware	F&A - IT	Future planning/Unplanned replacements			75,000
13	Hardware	Network Switches	F&A - IT	Future Standard Replacement Cycle	5	7,600	19,000
14	Hardware	Cluster Headend Replacement	F&A - IT	Replace Cluster Nodes for server high availability/recovery	3	7,871	23,613
15	Hardware	Offsite NAS	F&A - IT	Offsite network attached storage for backup / replication	1	13,000	13,000
16	Hardware	Fiber Buildout Eagle Creek to McColl	F&A - IT	Connectivity			260,000
17	Hardware	Remit Plus Scanners - Payment Processing	Cust. Service	Scanner Replacements	3	4,000	12,000
18							
19	Hardware	SAN Replacement	F&A - IT	Replacement of SAN	1	40,000	-
20	<b>Total Hardware</b>						<b>557,513</b>
21							
22							
23	Software	LOGIS	F&A - IT	IT System Support			15,000
24	<b>Total Software</b>						<b>15,000</b>
25	<b>Total CIP Expenditures - Administration</b>						<b>615,013</b>

**Shakopee Public Utilities  
Capital Improvement Plan  
Final  
12/4/2023  
Electric Summary**

	Item Description	Justification	2024
	<u>Operating Fund</u>		
	<u>System Projects</u>		
1	Miscellaneous	See Detail	175,000
2	System Material & Facilities	See Detail	3,180,000
3	Vehicles/Equipment	See Detail	1,012,000
4			
5	<u>Local Area Projects</u>		
6	New UG Cables & Related Cost (Net of Contribution)	See Detail	1,000,000
7	Replace UG Cable Projects	See Detail	40,000
8	Rebuild OH Lines	See Detail	395,000
9			
10	<u>Major System Projects</u>		
11	Feeder Extension Projects	See Detail	2,632,326
12	Convert OH to UG	See Detail	350,000
13	Territory Acquisition	See Detail	550,000
14	Shakopee Substation	See Detail	60,000
15	South Shakopee Substation	See Detail	130,000
16	Pike Lake Substation	See Detail	10,000
17	Dean Lake Substation	See Detail	60,000
18	East Shakopee Substation	See Detail	450,000
19	West Shakopee Substation	See Detail	730,000
20	Upgrade Projects	See Detail	295,000
21			
22	ADVANCED METERING INFRASTRUCTURE (AMI)	See Detail	4,722,019
23			
24	Service Center	See Detail	375,000
25			
26	<b>Total Operating Fund</b>		<b>16,166,345</b>
27			
28	<u>Relocation Fund</u>		
29	Relocation Projects	See Detail	316,864
30			
31	<b>Total Relocation Fund</b>		<b>316,864</b>
32			
33	<b>Total Electric</b>		<b>16,483,209</b>
34			
35	<b>Cumulative Total Electric</b>		<b>16,483,209</b>



**Shakopee Public Utilities  
Capital Improvement Plan  
Final  
Dated: 12/4/23  
Electric Detail**

Item Description	Justification	2024
<b>Operating Fund</b>		
<b>System Projects</b>		
1 Miscellaneous	As Necessary	175,000
2 <b>Total Miscellaneous</b>		<b>175,000</b>
3 <b>System Material &amp; Facilities</b>		
4 Lateral Circuit Reconfiguration	System Reliability	25,000
5 Meters	New Construction	350,000
6 Padmount Switches & Related (IIJA Grant Program 50% match)	Load/Development	700,000
7 Distribution Transformers	Restock to min.	2,000,000
8 System Capacitors-Additional	PF Improvements	25,000
9 SCADA-Capacitor Control	Op. Efficiencies & Voltage Control	40,000
10 SCADA Switches for Tie Switches	System Reliability	40,000
11 <b>Total System Material &amp; Facilities</b>		<b>3,180,000</b>
12 <b>Vehicles/Equipment</b>		
13 Dump Truck	New Equipment	150,000
14 Mini Skid Loader	New Equipment	60,000
15 #610 F550 4x4 Service Truck	Life Cycle Replacement	200,000
16 Forklift	Life Cycle Replacement	30,000
17 Digger Truck #612 Bucket	Life Cycle Replacement	525,000
18 Storage Bins for Planning Truck #637	New Equipment	2,000
19 Construction-Related Equipment-New/Additional/Replacement	Tool Replacement	45,000
38 <b>Total Vehicles/Equipment</b>		<b>1,012,000</b>
39 <b>Local Area Projects</b>		
40 New UG Cables & Related Cost (Net of Contribution)	Load/Development	1,000,000
41 <b>Total New UG Cables &amp; Related Cost (Net of Contribution)</b>		<b>1,000,000</b>
42		
43		
44 <b>Replace UG Cable Projects</b>		
45 Replace UG Cable - Projects Yet To Be Determined	As Needed	40,000
46 <b>Total Replace UG Cable Projects</b>		<b>40,000</b>
47		
48 <b>Rebuild OH Lines</b>		
49 SS-32 CR 15 @Hwy 169 Ramps 0.50 mile Roundabout	Street Project	125,000
50 SS-83 CR78/CR69 Roundabout	Street Project	150,000
51 DL-52 Eagle Creek Blvd@Vierling Drive Roundabout	Street Project	25,000
52 Rewire/rebuild MVEC circuits to SPU standards	Upgrade	75,000
54 Rebuild OH lines - as needed RP3	Change Out	20,000
55 <b>Total Rebuild OH Lines</b>		<b>395,000</b>
56 <b>Major System Projects</b>		
57		
58 <b>Feeder Extension Projects</b>		
59 West Shakopee Substation Exit Circuits	Load Grown	628,000
60 Dean Lake Sub Exit Circuits 1.0 mile	Load Growth	238,000
61 PL-76 to Southbridge	Loss of Blue Lake Circuits	275,000

**Shakopee Public Utilities  
Capital Improvement Plan  
Final  
Dated: 12/4/23  
Electric Detail**

	Item Description	Justification	2024
62	SS-32 CR 16 Ext. from CR15 to CR69 1.0 mile	Street Project & Development	205,234
63	DL-97 New Feeder DL Sub to Unbridled Ave 1.0 mile	Development (Canterbury Commons)	142,280
64	DL-42 Feeder Extension to Data Center 1.0 mile	Load Growth (Data Center)	136,812
65	Dean Lake to BL Feeder tie 1.0 miles	Loss of Blue Lake Circuits	250,000
66	WS-XX to Breeggemann Parcel	Development	208,000
67	DL-9X to Valley Green Business Park	Load Growth	274,000
69	Projects Yet to be Determined 1.0 mile	As Necessary	275,000
70	<b>Total Feeder Extension Projects</b>		<b>2,632,326</b>
71			
74	<b>Convert OH to UG</b>		
75	Eagle Creek Blvd UG .50 miles East of Vierling 100% SPU	Reliability	350,000
78	<b>Total Convert OH to UG</b>		<b>350,000</b>
79	<b>Territory Acquisition</b>		
80	Territory Acquisition "build OH & UG to Asphalt Plant 1.0 miles"	Consolidation	250,000
81	Territory Acquisition - reinforce feeder network	Consolidation	300,000
82	<b>Total Territory Acquisition</b>		<b>550,000</b>
86			
87	<b>Shakopee Substation</b>		
88	Replace A/C unit in switch house 1	Maintenance	10,000
89	Substation to County Fiber & Fiber Equipment	Safety	50,000
91	<b>Total Shakopee Substation</b>		<b>60,000</b>
92			
93	<b>South Shakopee Substation</b>		
94	Oil Change Out on Tap Changer (Transformer 1)	Maintenance/Extend Life of Tap Changer	35,000
95	Replace A/C unit in switch house 2	Maintenance	10,000
96	Substation to County Fiber & Fiber Equipment	Safety	50,000
97	Oil Change Out on Tap Changer (Transformer 2)	Maintenance/Extend Life of Tap Changer	35,000
98	<b>Total South Shakopee Substation</b>		<b>130,000</b>
99			
100	<b>Pike Lake Substation</b>		
101	Replace A/C unit in switch house 1	Maintenance	10,000
104	<b>Total Pike Lake Substation</b>		<b>10,000</b>
105			
106	<b>Dean Lake Substation</b>		
107	Replace A/C unit in switch house	Maintenance	10,000
108	Substation to County Fiber & Fiber Equipment	Safety	50,000
109	<b>Total Dean Lake Substation</b>		<b>60,000</b>
110			
111	<b>East Shakopee Substation</b>		
112	Planning/Design/Project Management	Load Growth	400,000
113	Construction	Load Growth	50,000
114	Substation to County Fiber & Fiber Equipment	Safety	-
115	<b>Total East Shakopee Substation</b>		<b>450,000</b>

**Shakopee Public Utilities  
Capital Improvement Plan  
Final  
Dated: 12/4/23  
Electric Detail**

Item Description	Justification	2024
<b>116</b>		
<b>117 West Shakopee Substation</b>		
<b>118</b> Planning/Design/Project Management	Load Growth	30,000
<b>119</b> Duct banks for WS-Exit circuits through roundabout on 69 South	Load Growth	150,000
<b>120</b> Substation to County Fiber & Fiber Equipment	Safety	50,000
<b>121</b> WS-Exit Circuits	Load Growth	450,000
<b>122</b> Landscaping	Development	50,000
<b>124 Total West Shakopee Substation</b>		<b>730,000</b>
<b>125</b>		
<b>126 Upgrade Projects</b>		
<b>127</b> Heritage Lateral Reconfiguration	Safety	25,000
<b>128</b> Pole Replacement	Maintenance	50,000
<b>130</b> Projects yet to be determined	Load Growth	220,000
<b>131 Total Upgrade Projects</b>		<b>295,000</b>
<b>132</b>		
<b>133 ADVANCED METERING INFRASTRUCTURE (AMI)</b>		
<b>134</b> Construction/Implementation/Hardware/Software/Training/Project Management	Customer Service	4,722,019
<b>135 Total ADVANCED METERING INFRASTRUCTURE (AMI)</b>		<b>4,722,019</b>
<b>136</b>		
<b>137 Service Center</b>		
<b>138</b> Service Center to Fiber	Safety	50,000
<b>139</b> Display Case Office	Marketing	10,000
<b>140</b> Facilities Exterior Main Door Replacement	Maintenance	40,000
<b>141</b> Commission Room Remodel	Reconfigure Commission Room	200,000
<b>142</b> Garage Heaters	Maintenance	30,000
<b>143</b> Miscellaneous Building Improvements/Replacements	Maintenance & Requested Changes	45,000
<b>146 Total Service Center</b>		<b>375,000</b>
<b>147</b>		
<b>148 Total Operating Fund</b>		<b>16,166,345</b>
<b>149</b>		
<b>150 Relocation Fund</b>		
<b>151 Relocation Projects</b>		
<b>152</b> SS-32 CR 15 & Hwy 169 Ramps 0.50 mile	Roundabout Impacts	136,864
<b>153</b> CR78/CR69 Roundabout	Roundabout Impacts	60,000
<b>154</b> DL-52 Eagle Creek Blvd@Vierling Drive Roundabout	Street Project	60,000
<b>156</b> Projects Yet to Be Determined 0.50 Ckt. mile	As Necessary	60,000
<b>157 Total Relocation Projects</b>		<b>316,864</b>
<b>158</b>		
<b>159 Total Relocation Fund</b>		<b>316,864</b>
<b>160</b>		
<b>161 Total Electric</b>		<b>16,483,209</b>

**Shakopee Public Utilities  
Capital Improvement Plan  
Final  
Dated: 12/4/23  
Water Summary**

	Item Description	Justification	2024
	<u>Operating Fund</u>		
1	Miscellaneous	See Detail	730,000
2	System Upgrades	See Detail	155,000
3	ADVANCED METERING INFRASTRUCTURE (AMI)	See Detail	3,558,132
4	Vehicles/Equipment	See Detail	58,000
5			
6	<b>Total Operating Fund</b>		<b>4,501,132</b>
7			
8	<u>Reconstruction Fund</u>		
9	Reconstruction Projects	See Detail	305,000
10			
11	<b>Total Reconstruction Fund</b>		<b>305,000</b>
12			
13	<u>Trunk Fund</u>		
14	Trunk Water Mains - SPUC Projects	See Detail	375,000
15	Over Sizing - Non-SPUC Projects	See Detail	1,212,500
16			
17	<b>Total Trunk Fund</b>		<b>1,587,500</b>
18			
19	<u>Connection Fund</u>		
20	Wells	See Detail	220,000
21	Water Treatment	See Detail	9,500,000
22	Pump House Additions/Expansions	See Detail	3,835,000
23	New Tanks and Transmission Water Main	See Detail	4,750,000
24	Booster Stations	See Detail	650,000
25	Auxiliary Facilities	See Detail	120,000
26			
27	<b>Total Connection Fund</b>		<b>19,075,000</b>
28			
29	<b>Total Water</b>		<b>25,468,632</b>
30			
31	<b>Cumulative Total Water</b>		<b>25,468,632</b>

**Shakopee Public Utilities  
Capital Improvement Plan  
Final  
Dated: 12/4/23  
Water Detail**

Item Description	Justification	2024
<u>Operating Fund</u>		
<b>Miscellaneous</b>		
CSAH 16 CIF 22-006 Trail Extension adjust valves & hydrants	Trail Extension	25,000
Emergency Power Generation Conversion @ Riverview Booster Station	Extended Sustainability	320,000
Chemical Feed Improvements	Safety/Enhanced Accuracy	20,000
Cty Rd 78/69 Roundabout	Water Main Casing	75,000
Water Meters	PM/Development	175,000
Reservoir Maintenance	Preventative Maintenance	50,000
Power Wash Towers	Preventative Maintenance	25,000
Hydrant Replacement	As Needed	40,000
<b>Total Miscellaneous</b>		<b>730,000</b>
<b>System Upgrades</b>		
SCADA Upgrades	Water System Reliability	40,000
Fiber Hardware	AMI and SCADA for 4 tanks	100,000
Miscellaneous Equipment	As Needed	15,000
<b>Total System Upgrades</b>		<b>155,000</b>
<b>Advanced Metering Infrastructure (AMI)</b>		
Construction/Implementation/Hardware/Software/Training/Project Management	Customer Service	3,558,132
<b>Total Advanced Metering Infrastructure (AMI)</b>		<b>3,558,132</b>
<b>Vehicles/Equipment</b>		
Replace Truck #615 (2012)	Life Cycle Replacement	58,000
<b>Total Vehicles/Equipment</b>		<b>58,000</b>
<b>Total Operating Fund</b>		<b>4,501,132</b>
<u>Reconstruction Fund</u>		
<b>Reconstruction</b>		
Vierling/Eagle Creek Blvd Roundabout Watermain Relocation	City Street Recon	115,000
Bituminous Overlay	City CIP	40,000
Correct Deficient Services	As Needed	80,000
Full-Depth Pavement Reconstruction	City CIP	20,000
Water Main Reconstruction	City Street Recon	-
Project To be determined		50,000
<b>Total Reconstruction</b>		<b>305,000</b>
<b>Total Reconstruction Fund</b>		<b>305,000</b>
<u>Trunk Fund</u>		
<b>Trunk Water Mains - SPU Projects (Completed by SPU)</b>		
12" WM West of Tank #8 to LaTour Drive	Development	275,000
Projects to be determined		100,000
<b>Total Trunk Water Mains - SPU Projects</b>		<b>375,000</b>

**Shakopee Public Utilities  
Capital Improvement Plan  
Final  
Dated: 12/4/23  
Water Detail**

Item Description	Justification	2024
<b>Over Sizing - Non-SPU Projects (Completed by Others)</b>		
12" WM Pike Lake Road, Whispering Waters 2nd Addition	Development	50,000
12" WM Parallel to CR 69 South from Vierling Drive 0.75 mile NES	Development	125,000
12" WM Thrush Street from CR 83 to 0.25 mile West 1- HES	Development	62,500
12" WM CR 83 from Thrush Street to 0.50 mile north and south 1-HES	Development	125,000
12" WM South of Valley View Road @ Independence 0.50 mile (Hauer) 1-HES	Development	125,000
12" WM from Tank #9 east 0.50 miles	Development	500,000
12" WM West of Tank #8 Site thru area B to CR 69 0.25 mile	Development	62,500
12" WM CR 69 0.25 miles north of CR 78	Development	62,500
Projects to be determined		100,000
<b>Total Over Sizing - Non-SPU Projects</b>		<b>1,212,500</b>
<b>Total Trunk Fund</b>		<b>1,587,500</b>
<b>Connection Fund</b>		
<b>Wells</b>		
Observation Well TBD @ location TBD	Monitoring	130,000
Jordan Well #24 Submersible @ Tank #8 Site	Development	90,000
<b>Total Wells</b>		<b>220,000</b>
<b>Water Treatment</b>		
Land Rights	Development	8,000,000
Raw Watermain locations TBD	Water Quality	1,500,000
<b>Total Water Treatment</b>		<b>9,500,000</b>
<b>Pump House Additions/Expansions</b>		
2-HES Pump House 23 @ Tank #8 Site (includes landscaping for tank #8)	Development	3,725,000
Pumphouse #6 Grade Change & Backup Generation	Water Supply	110,000
<b>Total Pump House Additions/Expansions</b>		<b>3,835,000</b>
<b>New Tanks and Transmission Water Main</b>		
2-HES District Storage (0.5 MG, Elevated Tank #9) @ Wood Duck Trail	Development	4,000,000
12" Transmission WM East of Tank #9 0.75 miles		750,000
<b>Total New Tanks and Transmission Water Main</b>		<b>4,750,000</b>
<b>Booster Stations</b>		
Inline Booster Station Site @ Foothill Road and Horizon Drive	Development	400,000
IHES to 2HES Booster Station @ Foothill/Horizon	Development	100,000
IHES to 2HES Booster Station @ Arbor Bluffs site design construction	Development	150,000
<b>Total Booster Stations</b>		<b>650,000</b>
<b>Auxiliary Facilities</b>		
Normal Zone Elevated Tank Altitude Valves	Pressure Control	60,000
Pressure Reducing Valve - 2-HES to 1-HES @ CR 69	Development	60,000
<b>Total Auxiliary Facilities</b>		<b>120,000</b>
<b>Total Connection Fund</b>		<b>19,075,000</b>
<b>Total Water</b>		<b>25,468,632</b>



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**DATE:** November 29, 2023  
**TO:** Greg Drent, General Manager *gld*  
**FROM:** Kelley Willemssen, Director of Finance & Administration *kw*  
**SUBJECT:** 2024 Final Operating Budget

---

Attached is the 2024 Final Operating Budget for the commission's consideration. There are no changes from the Preliminary Operating Budget presented to the Commission on November 6, 2023.

**Requested Action:**

Staff requests that the commission APPROVE the 2024 Final Operating Budget

**ELECTRIC**

	2021 ACTUALS	2022 ACTUALS	2023 SEPT YTD	2023 BUDGET	2024 BUDGET	INCREASE/ (DECREASE)	PERCENT CHANGE
<b>OPERATING REVENUE</b>							
RESIDENTIAL SALES	\$ 19,996,991	\$ 21,548,095	\$ 17,167,203	\$ 22,060,491	\$ 23,316,224	\$ 1,255,733	5.69%
COMMERCIAL SALES	\$ 1,862,964	\$ 2,031,705	\$ 1,905,425	\$ 2,123,049	\$ 2,121,763	\$ (1,286)	-0.06%
INDUSTRIAL SALES	\$ 29,889,334	\$ 34,223,598	\$ 26,599,425	\$ 34,909,055	\$ 34,619,135	\$ (289,920)	-0.83%
CUSTOMER PENALTIES	\$ 134,686	\$ 314,715	\$ 266,192	\$ 275,184	\$ 305,619	\$ 30,435	11.06%
FREE SERVICE TO CITY	\$ 116,313	\$ 138,104	\$ 103,578	\$ 117,718	\$ 132,364	\$ 14,646	12.44%
CONSERVATION PROGRAM	\$ 771,635	\$ 862,219	\$ 680,852	\$ 865,405	\$ 900,857	\$ 35,452	4.10%
UNCOLLECTIBLE ACCOUNTS	\$ 81,089	\$ (71,335)	\$ -	\$ -	\$ -	\$ -	
<b>TOTAL OPERATING REVENUE</b>	\$ 52,853,012	\$ 59,047,102	\$ 46,722,674	\$ 60,350,902	\$ 61,395,962	\$ 1,045,060	1.73%
<b>OPERATING EXPENSES</b>							
ELECTRIC	\$ 2,358,682	\$ 2,947,913	\$ 2,335,849	\$ 3,392,557	\$ 3,648,166	\$ 255,609	7.01%
PLANNING AND ENGINEERING	\$ 390,732	\$ 619,646	\$ 579,684	\$ 948,227	\$ 979,673	\$ 31,446	3.21%
CUSTOMER SERVICE	\$ 990,931	\$ 1,219,269	\$ 912,754	\$ 1,156,808	\$ 1,261,355	\$ 104,547	8.29%
MARKETING & KEY ACCOUNTS	\$ 994,983	\$ 818,580	\$ 732,678	\$ 1,116,719	\$ 1,143,682	\$ 26,963	2.36%
FINANCE AND ADMINISTRATION	\$ 39,203,913	\$ 44,074,880	\$ 34,695,507	\$ 43,957,893	\$ 45,136,479	\$ 1,178,586	2.61%
UTILITIES	\$ 188,703	\$ 473,348	\$ 213,384	\$ 481,746	\$ 497,920	\$ 16,174	3.25%
IT	\$ -	\$ -	\$ 469,755	\$ 643,014	\$ 619,920	\$ (23,094)	-3.73%
DEPRECIATION AND AMORTIZATION	\$ 2,482,092	\$ 2,950,002	\$ 2,098,903	\$ 3,145,933	\$ 3,261,970	\$ 116,037	3.56%
<b>TOTAL OPERATING EXPENSES</b>	\$ 46,610,037	\$ 53,103,639	\$ 42,038,514	\$ 54,842,897	\$ 56,549,166	\$ 1,706,269	3.02%
<b>OPERATING INCOME</b>	\$ 6,242,975	\$ 5,943,463	\$ 4,684,160	\$ 5,508,005	\$ 4,846,797	\$ (661,208)	-14%
<b>TOTAL NON-OPERATING INCOME (EXPENSES)</b>	\$ 120,106	\$ 165,676	\$ 112,377	\$ (405,871)	\$ 1,269,971	\$ 1,675,842	132%
<b>TOTAL CAPITAL CONTRIBUTIONS</b>	\$ 98,931	\$ 726,118	\$ 1,041,170	\$ 439,835	\$ 730,662	\$ 290,828	40%
<b>TOTAL TRANSFER TO MUNICIPALITY</b>	\$ (2,370,103)	\$ (3,576,023)	\$ (2,668,578)	\$ (3,415,176)	\$ (3,634,890)	\$ 219,715	6%
<b>NET INCOME OR CHANGE IN NET ASSETS</b>	\$ 4,091,909	\$ 3,259,234	\$ 3,169,130	\$ 2,126,792	\$ 3,212,539	\$ 1,085,747	34%



**WATER**



	2021	2022	2023	2023	2024	INCREASE/ (DECREASE)	PERCENT CHANGE
	ACTUALS	ACTUALS	SEPT YTD	BUDGETED	BUDGET		
<b>OPERATING REVENUE</b>							
RESIDENTIAL SALES	\$ 3,684,101	\$ 3,780,680	\$ 3,551,799	\$ 3,800,971	\$ 4,109,514	\$ 308,543	7.51%
COMMERCIAL SALES	\$ 1,769,298	\$ 1,710,132	\$ 1,662,639	\$ 1,652,809	\$ 1,859,789	\$ 206,980	11.13%
INDUSTRIAL SALES	\$ 304,969	\$ 309,566	\$ 281,600	\$ 320,808	\$ 335,764	\$ 14,956	4.45%
OTHER WATER SALES	\$ 833,736	\$ 805,431	\$ 711,308	\$ 747,494	\$ 753,585	\$ 6,091	0.81%
CUSTOMER PENALTIES	\$ 12,682	\$ 23,504	\$ 19,232	\$ 35,509	\$ 39,898	\$ 4,389	11.00%
UNCOLLECTIBLE ACCOUNTS	\$ 5,749	\$ 3,500	\$ -				
<b>TOTAL OPERATING REVENUE</b>	<b>\$ 6,610,535</b>	<b>\$ 6,632,813</b>	<b>\$ 6,226,577</b>	<b>\$ 6,557,592</b>	<b>\$ 7,098,550</b>	<b>\$ 540,959</b>	<b>8.25%</b>
<b>OPERATING EXPENSES</b>						\$ -	
ELECTRIC	\$ 41,190	\$ 44,577	\$ 15,069	\$ 22,352	\$ 22,706	\$ 354	1.56%
WATER	\$ 1,842,167	\$ 1,957,990	\$ 1,594,660	\$ 2,194,946	\$ 2,429,611	\$ 234,665	9.66%
PLANNING AND ENGINEERING	\$ 125,474	\$ 212,664	\$ 201,104	\$ 304,018	\$ 366,958	\$ 62,940	17.15%
CUSTOMER SERVICE	\$ 362,890	\$ 441,515	\$ 302,497	\$ 406,068	\$ 455,984	\$ 49,916	10.95%
MARKETING & KEY ACCOUNTS	\$ 31,919	\$ 53,794	\$ 47,626	\$ 79,347	\$ 80,174	\$ 827	1.03%
FINANCE AND ADMINISTRATION	\$ 1,144,815	\$ 973,303	\$ 682,771	\$ 953,238	\$ 997,242	\$ 44,004	4.41%
UTILITIES	\$ 137,984	\$ 216,414	\$ 111,507	\$ 272,905	\$ 274,323	\$ 1,418	0.52%
IT	\$ -	\$ -	\$ 159,340	\$ 208,235	\$ 167,724	\$ (40,511)	-24.15%
DEPRECIATION AND AMORTIZATION	\$ 1,777,894	\$ 1,860,949	\$ 1,437,738	\$ 1,929,592	\$ 2,006,776	\$ 77,184	3.85%
<b>TOTAL OPERATING EXPENSES</b>	<b>\$ 5,464,333</b>	<b>\$ 5,761,207</b>	<b>\$ 4,552,312</b>	<b>\$ 6,370,701</b>	<b>\$ 6,801,498</b>	<b>\$ 430,797</b>	<b>6.33%</b>
<b>OPERATING INCOME</b>	<b>\$ 1,146,202</b>	<b>\$ 871,606</b>	<b>\$ 1,674,265</b>	<b>\$ 186,891</b>	<b>\$ 297,053</b>	<b>\$ 110,162</b>	<b>37.08%</b>
<b>TOTAL NON-OPERATING INCOME (EXPENSES)</b>	<b>\$ 144,827</b>	<b>\$ 150,188</b>	<b>\$ 118,178</b>	<b>\$ (63,653)</b>	<b>\$ 583,975</b>	<b>\$ 647,628</b>	<b>110.90%</b>
<b>CAPITAL CONTRIBUTIONS</b>	<b>\$ 6,685,954</b>	<b>\$ 8,012,023</b>	<b>\$ 3,092,656</b>	<b>\$ 2,339,648</b>	<b>\$ 3,649,911</b>	<b>\$ 1,310,263</b>	<b>35.90%</b>
<b>TOTAL TRANSFER TO MUNICIPALITY</b>	<b>\$ (253,115)</b>	<b>\$ (348,233)</b>	<b>\$ (297,000)</b>	<b>\$ (393,455)</b>	<b>\$ (425,913)</b>	<b>\$ (32,458)</b>	<b>7.62%</b>
<b>NET INCOME OR CHANGE IN NET ASSETS</b>	<b>\$ 7,723,868</b>	<b>\$ 8,685,584</b>	<b>\$ 4,588,099</b>	<b>\$ 2,069,431</b>	<b>\$ 4,105,026</b>	<b>\$ 2,035,595</b>	<b>50%</b>



8b

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November 29, 2023

TO: Greg Drent, General Manager   
FROM: Philip Dubbe, IT Director   
SUBJECT: IT Risk Assessment Results Review

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Overview

I will be sharing the 2023 IT Risk Assessment results and action plan moving forward for Commission awareness and discussion if the Commission has any questions. No action is required at this time.

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The logo consists of the letters "RP3" in a bold, black, sans-serif font, enclosed within a yellow square border.

| Prepared For: Shakopee Public Utilities  
| Validated By: FRSecure LLC



# Executive Summary Report

Assessment interviews were onsite August 23-24, 2023.

| **Date:** September 25, 2023

## Shakopee Public Utilities Overall Results

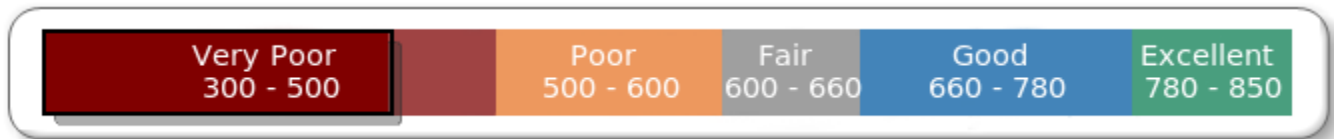
The overall S2SCORE (or risk rating) is **452.61**.

**452.61 Very Poor**

The S2SCORE represents a comprehensive, authoritative, and objective information security risk value. The S2SCORE enables business leaders to quickly identify and relate to the amount of information security risk that is present in their organization, and a S2SCORE also allows the organization to succinctly communicate the level of risk to interested third parties.

A S2SCORE of **452.61** translates to "**Very Poor**". A detailed explanation of the S2SCORE and further definition of its meaning can be found in the S2SCORE Full Report. The S2SCORE is calculated in a range from 300 to 850. The lower the score, the higher the risk and vice versa. A S2SCORE of **660.00** or "**Good**" is acceptable to most organizations and should be the goal for Shakopee Public Utilities.

### S2SCORE Scale



### S2SCORE Average Across Industries

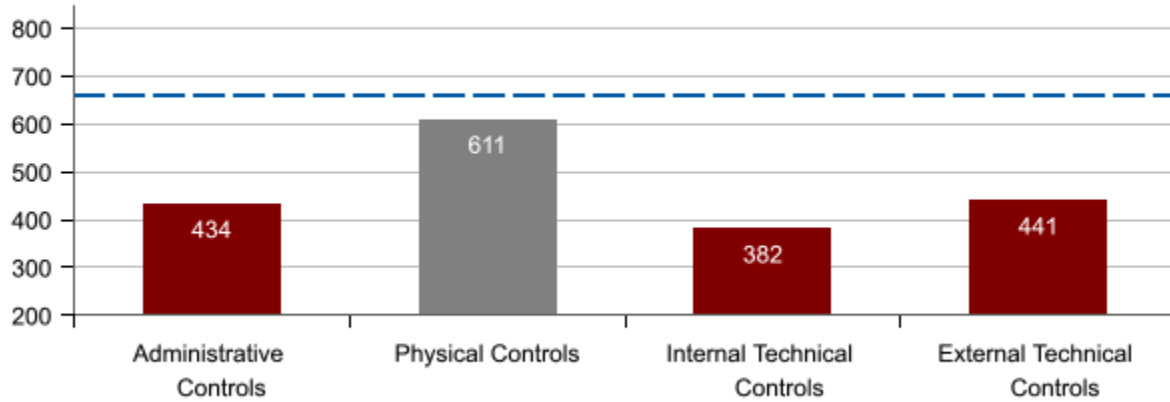
Industry: **Public Administration (92)**



The average third-party validated S2SCORE is **566.97** for Public Administration (92). According to our calculations, there is roughly 20.2% more risk in the Shakopee Public Utilities information security program than other programs in similar organizations.

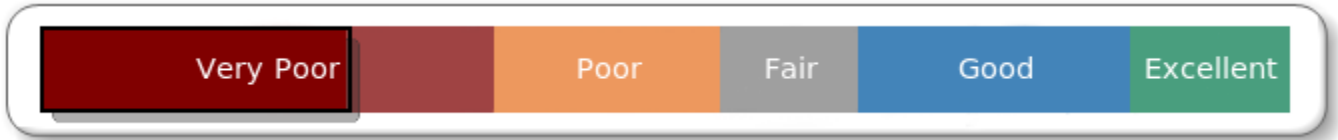
## S2SCORE phase-by-phase Comparison

There are four phases in a Full S2SCORE: Administrative Controls, Physical Controls, Internal Technical Controls, and External Technical Controls. An "acceptable" level of security is 660.



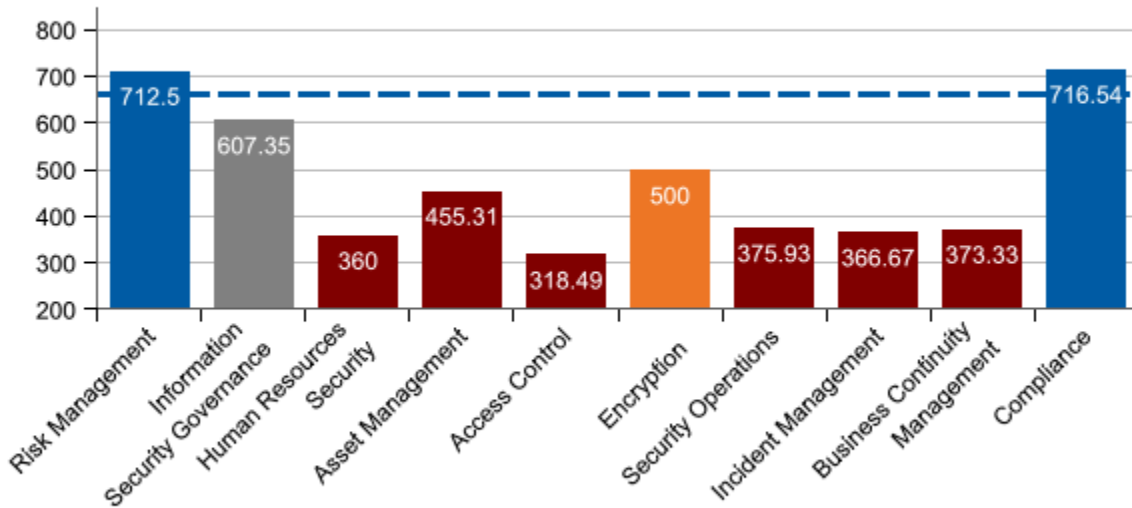
## Administrative Controls Summary

Administrative Controls form the framework for managing an effective security program and they are sometimes referred to as the “human” part of information security. Administrative Controls inform people on how organizational leadership expects day-to-day operations to be conducted and they provide guidance on what actions or activities workforce members are expected to perform. Common Administrative Controls include policies, awareness training, guidelines, standards, and procedures. For more information about the Shakopee Public Utilities Administrative Controls S2SCORE, see the section titled "Administrative Controls" in the full report.



The overall Administrative Controls S2SCORE is **434.65** or "**Very Poor**".

There are ten (10) sections within the administrative controls assessment and are summarized in the following chart.



## Top Administrative Controls Recommendations

**Risk Management Practices and Integration:** Ensure that risk management processes are formalized and include the identification and prioritization of risks, overall risk tolerance, criteria that should be used for risk management, and plans to mitigate or accept risks. Formalized risk management activities will allow for a more consistent and repeatable approach to risk mitigation practices.

**Policies for Information Security:** Establish a comprehensive set of security policies that communicate management's expectations and the overall protection of company assets. Review the FRSecure templates and begin to build out a full set of information security policies.

Security policies should be acknowledged by employees on a regular basis and sanctions enforced for policy violations. Consider utilizing free FRSecure resources for this objective: <https://frsecure.com/resources>.

**Information Security Awareness, Education, and Training:** Establish a security awareness program that provides awareness and training to staff, so they understand their responsibilities. Include initial security awareness training during onboarding, periodic (annual) refresher training, periodic emails, bulletins, or alerts to staff on current threats.

**Inventory of Assets:** Formalize asset management practices and ensure that all assets are accounted for, inventoried, and properly managed. Assets include physical assets, software assets, and data assets.

**Access Control Policy:** Establish a formal access control policy, procedures, and practices that account for both logical and physical access. Develop and adopt a process to conduct periodic user account and access rights reviews.

**Secure Log-on Procedures:** Define and document where and how strong (2FA/MFA) authentication should be implemented by the organization. Include the requirements in the access control policy.

**Change Management:** Develop and adopt a change management program that includes a process for management review and approval for all changes made to the company's environment.

**Malware Protection:** Consider documenting a formal anti-virus policy that includes management's direction for the required controls to prevent, detect, and remove malicious code from the environment.

**Network & Data Flow Mapping Best Practice:** Publish formal network diagrams and data flow diagrams to assist with troubleshooting efforts. All networks for which the organization is responsible, and all networks that are used by the organization should be detailed in network diagrams. Network diagrams should be integrated with change control processes to ensure that they remain current. The data flow diagrams should be specific enough to enable traffic allowlisting whenever feasible.

**Incident Management Roles and Responsibilities:** Define and document the process to report information security events within an incident response policy. Test the incident response procedures on a regular basis to ensure all relevant parties are prepared.

## Physical Controls Summary

Physical Controls for information assets cannot be overlooked in an effective information security strategy. Physical Controls are the security controls that protect our assets from physical theft, modification, and destruction. Physical Controls can often be touched and provide assurances that our information will be safe. Common physical controls include doors, locks, camera surveillance, and alarm systems. For more information about the Shakopee Public Utilities Physical Controls S2SCORE, see the section titled "Physical Controls" in the full report.



The overall Physical Controls S2SCORE is **611.21** or "Fair".

There is one (1) physical location that is in scope for this assessment. The in-scope physical location is:

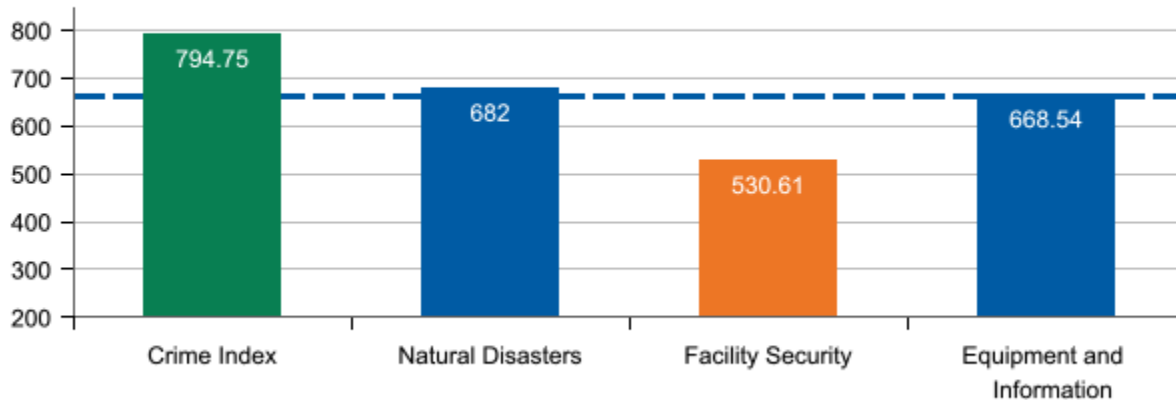
- **Physical Location 1** - Headquarters



## Physical Location (Headquarters)

### Control Section Summary (Headquarters)

There are four (4) sections within the Headquarters physical location. The S2SCORE for each section is summarized in the following chart.



### Top Physical Controls Recommendations

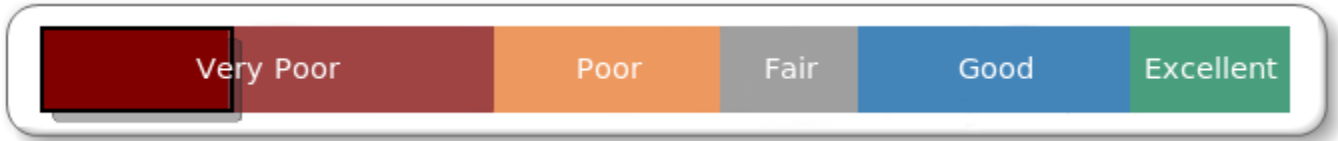
**Entry Controls:** Ensure that all employee entrances have sufficiently auditable access control mechanisms and that the access control list is regularly reviewed. Consider having all first-floor windows and doors equipped with an alarm system that alerts response personnel promptly. Forced entry, door ajar, glass break sensors, and motion detection systems are often the most useful features. Test the effectiveness of physical entry controls periodically. Testing can take the form of a social engineering exercise, physical walk through, or other means. Regardless of the form of testing, ensure that tests are run periodically.

**Office spaces:** Consider increasing internal cameras to include all office areas that are deemed to be a potential security risk. Record the date and time of arrival (or entry) and departure of all visitors to the facility. This requirement should be included in your overall strategy for tracking visitors.

**Restricted Areas:** Implement auditable security to protect drive through cashier area, Commission room, and conference areas. Controls should include camera coverage and adding signage and employee badge access to north lobby entrance.

## Internal Technical Controls Summary

Internal Technical Controls are the controls that are technical in nature and used within your organization's technical domain (inside the gateways or firewalls). Internal technical controls include things such as firewalls, intrusion prevention systems, anti-virus software, and mobile device management (MDM). For more information about the Shakopee Public Utilities Internal Technical Controls S2SCORE, see the section titled "Internal Technical Controls" in the full report.



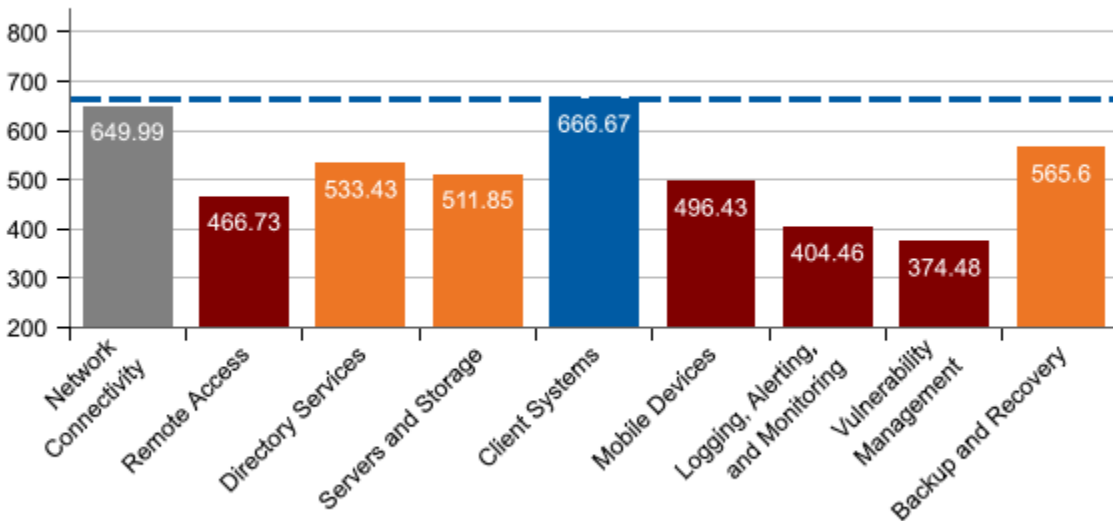
The overall Internal Technical Controls S2SCORE is **382.91** or "**Very Poor**".

## Network Architecture Overview

The overall Network Architecture Overview S2SCORE is **507.27** or "**Poor**".



There are nine (9) sections within the internal technical controls assessment and are summarized in the following chart.



## Vulnerability Scanning

The Vulnerability Scanning S2SCORE is **300.00** or "**Very Poor**".



### Top Internal Technical Controls Recommendations

Review the critical and high vulnerabilities that were discovered. All high-severity vulnerabilities should be removed or remediated within the next seven (7) days. Critical vulnerabilities should be remediated as soon as possible.

**User Remote Access:** Make sure that all user remote connections are using multi-factor authentication. Make sure that all Software-as-a-Service (SaaS) solutions that are available outside of the internal network are also using multi-factor authentication (MFA). Develop an overall data loss prevention strategy beyond Azure controls for the organization and implement the necessary technologies and/or processes to enable effective data loss protection. The data loss prevention technologies can be host or network-based and should be constantly tested for effectiveness. Enforce the blocking of online storage sites with the current internet content filter to fully limit a user's ability to use such sites and to control the storage of organizational information.

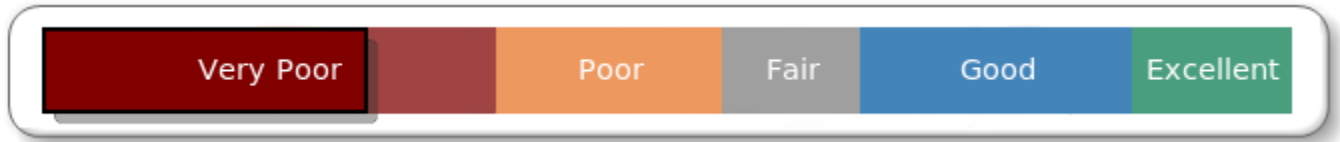
**Server Software:** Server and client operating systems that are in an "end of life" status from the manufacturer are no longer supported and are more likely to have vulnerabilities that cannot be easily remediated. All operating systems that are "end of life" should be replaced/upgraded as soon as possible. Plan for the replacement of all servers that are approaching the end of life well ahead of the actual end of life date.

**Documented Operating Procedures:** Document operating procedures for the installation and configuration of servers, workstations/client systems, and backups. Be sure to include escalation contacts including internal and external support contacts in the documented procedures.

**Vulnerability Management Best Practices:** Ensure proper and knowledgeable review of all vulnerability scanning and remediation efforts are happening per a defined schedule every time scans results are received. Establish criteria for measurement and track effectiveness over time. Criteria could include: CVSS scoring/host, number of critical/high vulnerabilities, average time to remediation, etc. Review NIST best practices on Patch and Vulnerability Management found here: <https://csrc.nist.gov/publications/detail/sp/800-40/rev-4/final>

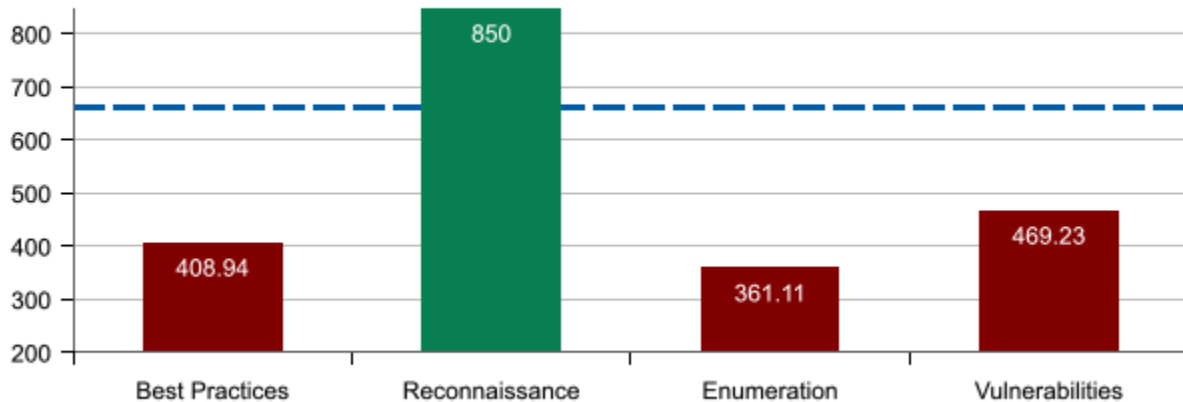
## External Technical Controls Summary

External technical controls are technical in nature and are used to protect outside access to your organization's technical domain (outside the gateways or firewalls). External technical controls consist of search engine indexes, social media, DNS, port scanning, and vulnerability scanning. For more information about the Shakopee Public Utilities External Technical Controls S2SCORE, see the section titled "External Technical Controls" in the full report.



The overall External Technical Controls S2SCORE is **441.53** or "**Very Poor**".

There are four (4) sections within the external technical controls assessment and are summarized in the following chart.



### Top External Technical Controls Recommendations

Review the critical and high vulnerabilities that were discovered. All high-severity vulnerabilities should be removed or remediated within the next seven (7) days. Critical vulnerabilities should be remediated as soon as possible.

**Perimeter Control:** Formalize firewall management to include periodic rule reviews, ensure change control is in place, logs are reviewed, and documentation exists. Implement additional security controls for web content filtering, egress traffic controls, and intrusion prevention.

**Monitoring:** Implement perimeter traffic security that monitors and alerts on malicious or abnormal ingress/egress traffic to DMZ or DNS servers. Implement additional security at perimeter of network to detect and block malicious traffic. Perform periodic and regular testing of the effectiveness of perimeter network controls.

**You have reached the end of the report.**

Please contact FRSecure LLC with any questions or concerns about the content of this report.



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DATE: November 29, 2023  
 TO: Commissioners  
 FROM: Greg Drent, General Manager *GD*  
 Subject: 2024 Commission Meetings and Workshops

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**Background:** As the new year is approaching, it is time to get SPU Commission meetings and workshops on the calendar and approved. In 2023, SPU commission meetings were scheduled for the first Monday of each month unless a recognized holiday was on that day; then it moved to Tuesday. SPU managers discussed the 2024 commission meeting dates in their last weekly meeting. Joe Adams suggested that if a commission meeting fell on a holiday, the meeting should be moved to the following Monday versus Tuesday. I thought this was a great idea as it would not conflict with council meetings. This would only happen two times in 2024: January and September.

Proposed for 2024 SPU will have three workshops. The workshop dates and topic are as follows.

1. **March 18<sup>th</sup>** Topic 1 - Water operation with a focus on backflow preventors enforcement, bulk water sales and water treatment property development. Topic 2 - (AMI) Automated Metering Infrastructure updates, challenges and moving forward policy discussion.
2. **June 17<sup>th</sup>** Topic 1 Information Technology cyber security, Scott County Fiber System, Fiber to water and electric facilities, GIS and project updates. Topic 2 is Marketing/ Key Accounts with a focus on a how you would like to see SPU engage Key Accounts 2025 and beyond.
3. **September 23<sup>rd</sup>** financial performance 2024 and Budget 2025, Electric Operations Long Range plans including service territory.

Workshops will be modified throughout the year on topics the commission or staff feels needs more discussion by commissioners. We understand that these workshops will be a little longer than regular commission meetings so snacks/ light supper will be provided.

**Action:** Approve 2024 commission meetings and workshop schedule:

**Commission Meetings:**

January 8 <sup>th</sup>	July 1 <sup>st</sup>
February 5 <sup>th</sup>	August 5 <sup>th</sup>
March 4 <sup>th</sup>	September 9 <sup>th</sup>
April 1 <sup>st</sup>	October 7 <sup>th</sup>
May 6 <sup>th</sup>	November 4 <sup>th</sup>
June 3 <sup>rd</sup>	December 2 <sup>nd</sup>

Workshops will be held on March 18<sup>th</sup>, June 17<sup>th</sup> and September 23<sup>rd</sup>

COMMISSION MEETING DATES   
 SPU HOLIDAYS

# 2024

Commission Workshops

JANUARY						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
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28	29	30	31			

FEBRUARY						
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MARCH						
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31						

APRIL						
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28	29	30				

MAY						
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JUNE						
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30						

JULY						
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28	29	30	31			

AUGUST						
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SEPTEMBER						
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29	30					

OCTOBER						
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27	28	29	30	31		

NOVEMBER						
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17	18	19	20	21	22	23
24	25	26	27	28	29	30

DECEMBER						
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15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				