

AGENDA  
SHAKOPEE PUBLIC UTILITIES COMMISSION  
REGULAR MEETING  
October 17, 2022  
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 October 3, 2022 Minutes (GD)
  - C=> 3b) Approval of October 17, 2022 Agenda (KM)
  - C=> 3c) October 5, 2022 Warrant List  
Account Credit Request/Deposit Refunds (KW)
  - C=> 3d) October 17, 2022 Warrant List (KW)
  - C=> 3e) MMPA September Meeting Update (GD)
  - C=> 3f) Water Dashboard (LS)
  
4. **Liaison Report** (JB)
  
5. **Public Comment Period.** If there is any public here, please step up to the table and state your name and address for the record.
  
6. **General Manager Report**
  - 6a) General Manager Report – Verbal (GD)
  
7. **Reports: Water Items**
  - 7a) Water System Operations Report – Verbal (LS)
  - 7b) CR8 83 County Project 83-24 and SPU 18-Inch Water Main Replacement (JA)
  
8. **Reports: Electric Items**
  - 8a) Electric System Operations Report – Verbal (JV)

9. **Reports: Human Resources**

10. **Reports: General**

- 10a) Marketing/Key Accounts Report – Verbal (SW)
- 10b) NES WTP Site Search Update (JA) \*
- 10c) Preliminary 2023 – 2027 Capital Improvement Plan (JA)
- 10d) General Manager Performance Evaluation (KM) \*\*

11. **Items for Future Agendas**

12. **Tentative Dates for Upcoming Meetings**

- November 7, 2022
- November 21, 2022
- December 5, 2022
- December 19, 2022

13. **Adjourn** to November 7, 2022, Regular Meeting at SPU Service Center, 255 Sarazin Street

**\* A portion of this meeting may be closed under Minnesota Statutes, Section 13D.05, subdivision 3(c) to review confidential or protected nonpublic appraisal data and to develop or consider offers or counteroffers for the purchase of property.**

**\*\*A portion of this meeting may be closed under Minnesota Statutes, Section 13D.05, subd.3(a) to evaluate the performance of the General Manager.**

MINUTES OF THE  
SHAKOPEE PUBLIC UTILITIES COMMISSION  
October 3, 2022  
Regular Meeting

1. Call to Order. President Mocol called the October 3, 2022, meeting of the Shakopee Public Utilities Commission to order at 5:00 PM. President Mocol, Vice President Krieg, Commissioner Brennan, Commissioner Fox, and Commissioner Letourneau were present.
2. Approval of Consent Agenda. Commissioner Brennan asked that item (3h) be pulled for discussion. Commissioner Fox moved approval of all other items on the consent agenda: (3a) September 6, 2022 minutes; (3b) October 3, 2022 agenda; (3c) September 7, 2022 Warrant List, Account Credit Request/Deposit Refunds; (3d) September 19, 2022 Warrant List; (3e) October 3, 2022 Warrant List; (3f) MMPA August meeting update; (3g) Reservoir structure inspections; and (3i) Check signing software. Vice President Krieg seconded the motion. Ayes: Mocol, Krieg, Brennan, Fox, and Letourneau. Nays: None. Motion carried. As for item (3h), Commissioner Brennan asked whether there were concerns with the higher readings for Well 21. Water Superintendent Lon Schemel noted that he spoke with the Department of Health about these levels and there were no concerns; SPU will continue to monitor. Commissioner Brennan moved to accept item (3h) Nitrate Report; Commissioner Fox seconded the motion. Ayes: Mocol, Krieg, Brennan, Fox, and Letourneau. Nays: None. Motion carried
3. Liaison Report. Commissioner Brennan had nothing to share.
4. Public Comment Period. No public comments were offered.
5. General Manager Report. Joseph Adams, Planning & Engineering Director, on behalf of Mr. Drent, reported that the Shakopee School Board approved the two solar projects under 40 kW for the Sweeney and East Middle School. He noted that two vendors for the AMI project presented to SPU staff and consultant Katama. SPU staff met with representatives of Bonnevista Terrace manufactured home park regarding the transfer of service from MVEC to SPU; they expressed interest in separate meters and SPU provided cost information. Mr. Adams noted that SPU held an all-staff meeting on September 8<sup>th</sup> to discuss the new standards and performance review structure. He reported that the Minnesota Public Utilities Commission approved the service territory boundary changes involving SPU/MVEC. Mr. Adams also noted that SPU staff met with the Fire Department on proper flows at Canterbury. He noted that Mr. Drent attended a meeting of MMUA and MREA representatives to see what things the associations can work on together.
6. Water Report. Mr. Schemel noted that Traut Companies has finished the blasting/pumping of sand at Well 23; the next step will be a 72-hour pump test to see what production number to

expect from this well. Mr. Schemel reported that hydrant flushing will be completed next week. He noted that the Department of Health does not yet have the PFAS test results; they want to discuss the EPA limits on two of the compounds.

7. Electric Report. Brad Carlson, Electric Superintendent, provided project updates, including McKenna Road streetlights; feeder extension at Cty. Rd. 78 for the overhead feeder tie into MVEC territory; relocation of a feeder along 12<sup>th</sup> Avenue East; and the relocation of the Polk Street feeder from overhead to underground. Mr. Carlson reported that two SPU crew members traveled with 13 other municipal utilities to work in Bartow, FL in response to Hurricane Ian. Commissioner Fox moved to provide a token of appreciation, such as a card, to these SPU crew members; Commissioner Letourneau seconded the motion. Ayes: Mocol, Krieg, Brennan, Fox, and Letourneau. Nays: None. Motion carried. Mr. Carlson also reported that since the last Commission meeting one month ago, three outages occurred, that were short-term in nature.

8. Human Resources. Kelley Willemssen, Director of Finance Administration, provided an update on the 2023 wage ranges and benefit planning assumptions. She noted an 11% decrease in health insurance premiums for 2023 and a 0% increase for 2024. She presented the recommendations of the informal working group as to benefits for 2023 and a wage range increase of 3.5%. Commissioner Fox moved approval of the 2023 wage range and benefits planning assumptions. Commissioner Letourneau seconded the motion. Ayes: Mocol, Krieg, Brennan, Fox, and Letourneau. None. Motion carried.

9. Marketing/Key Accounts Report. Sharon Walsh, Director of Key Accounts/Marketing/Special Projects reported that two new businesses joined the Clean Energy Choice program since the last Commission meeting. She also reported another discussion with a very large customer on the Clean Energy Choice Program and the customer's interest in potentially installing EV chargers. Ms. Walsh noted the presentations by two AMI vendors and the hope to prepare recommendation for Commission review at the October 17<sup>th</sup> meeting. She reported that both the Big Vehicle Fair on September 26<sup>th</sup> and the Shako-lantern event were well-attended, providing successful customer outreach. Ms. Walsh reported that the inventory delays facing MVEC have been resolved and that the transfer of service is expected to be completed by the end of the year; she is working on customer communications with this updated timing. She noted that the next SPU blood drive is November 3<sup>rd</sup>. Ms. Walsh reported that the Smart Switch Program, which affected approximately 1,800 customers, ended on September 30; she noted that staff is exploring options with the new AMI technology. Ms. Walsh noted that she is working on customer communications as to the NISC launch and ACH or AutoPay options.

10. East Shakopee Substation Site Update; NEW WTP Site Search Update. Commissioner Brennan moved, seconded by Commissioner Fox, that the Commission go into closed session under Minnesota Statutes, Section 13D.05, subdivision 3(c) to review confidential or protected nonpublic appraisal data and to develop or consider offers or counteroffers for the purchase of (1)

a portion of the property described as PID 2791201240; (2) 3690 Eagle Creek Boulevard; and (3) 3650 Eagle Creek Boulevard. Ayes: Mocol, Fox, Brennan, Krieg, and Letourneau. Nays: None. Motion carried. In open session, for item (10b), the East Shakopee Substation Site Update, Commissioner Brennan moved to extend an offer consistent with the appraisal and to approve the \$5,000 deposit and application to Xcel Energy to study transmission access feasibility. Commissioner Letourneau seconded the motion. Ayes: Mocol, Fox, Brennan, Krieg, and Letourneau. Nays: None. Motion carried. For item (10c), Commissioner Brennan moved to extend an offer to purchase 3690 Eagle Creek Boulevard, consistent with the appraisal, and to appoint Vice President Krieg to assist the SPU negotiating team and report back to Commission. Commissioner Fox seconded the motion. Ayes: Mocol, Fox, Brennan, Krieg, and Letourneau. Nays: None. Motion carried.

11. Future Agenda Items: Commissioner Brennan noted that she will soon no longer be a City Council Member, which may affect her term as Commissioner. President Mocol asked whether Commissioner Brennan could complete her term as a Commissioner through March 2023. Commissioner Brennan plans to ask the City Council about term options.

12. Adjourn. Motion by Commissioner Fox, seconded by Commission Letourneau, to adjourn to the Monday, October 17, 2022, meeting. Ayes: Mocol, Krieg, Brennan, Fox, and Letourneau. Nays: None. Motion carried.

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Greg Drent, Commission Secretary

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SHAKOPEE PUBLIC UTILITIES COMMISSION  
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## SHAKOPEE PUBLIC UTILITIES COMMISSION

Warrant List  
 Account Credit Request/Deposit Refunds  
 October 5, 2022

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:

ABC MILLWORK & CABINETRY	2559.27
KINDSCHUH, ANN M	1.78
MUNT, CARTER	1.97
KIRK, DAVID	2.33
SHALE, SAFIA	3.56
SCRIVNER, URSULA G	3.64
SOUTH OF THE RIVER RENTALS LLC	3.69
CITIES EDGE MOTORSPORTS	3.7
PULTE HOMES OF MN 1009	4.07
THURAIRAJALINGAM, ARUL	4.54
PAULSEN, JOHNATHAN	5.26
KFH 1006 2ND AVE E LLC	5.56
KALPRESH PROPERTIES LLC	6.11
YINLIU, HSINKAI	6.6
DE HOOG, BERNARD	6.72
PULTE HOMES OF MN 1009	7.34
CUONG, TANG CHI	8.26
DUBOVOYA, ANNA	10.72
HEITKAMP, STEPHANIE	11.03
DUNPHY, DONNA	11.61
PULTE HOMES OF MN 1009	12.2
NADG/AA ARASAN LP	12.38
BOGOMBA, OGEA & MARYROSE	13.8
SCHMIDT, OLIVIA	15.47
MONUMENT WHITE PINES LLC	15.56
MA, YING HONG	16.2
FAVILLA, ANTHONY	16.3
TAYLOR, PAUL	17.27
PULTE HOMES OF MN 1009	17.56
MANTHEY, JAMES & JOYCE	19.08
POSTUSTA, MEGAN	19.37
ARLINGTON RIDGE APTS	19.8
SMISHEK, ROBERT & JOANN	21.24
CHATTERJEE, SUMON & SANHITA	21.72
CORNIEA, NANCY	23.03
NADG/AA ARASAN LP	23.12
STEICHEN, STEVEN & PAULA	24.08
RAHMAN, NICK	24.64
BAXTER, DARCIE	24.86
ANDERSON, MICHAEL R	25
MONUMENT WHITE PINES LLC	26.42
FERNHOLZ, DEREK	26.8
CHAVEZ, ANAIS	26.95
LALEMAN, KEVIN & SHERRI	34.46
BEUCH, JILL	35.27
HOSCH, GREGORY	35.68
AVANA ADDISON	36.98
NADG/AA ARASAN LP	42.41
HOWE, AARON	44.46
BUERMAN, KRISTEN	46.53
SORENSEN, JACQUELINE	47.16
PASSE, DORA	47.33
MARTINSON, JAMIE	47.8
NADG/AA ARASAN LP	48.8
SCHMIT, DIXIE	48.93
NADG/AA ARASAN LP	49.6
KRISHNAMURTHY, VADIVUKKARASI	50.04
ASHTON, DAVY	52.67
NUR, RUN	53.47
FRANCISCAN SISTERS	54.74
NADG/AA ARASAN LP	55.25
HACKLANDER, REBECCA	55.76
NADG/AA ARASAN LP	58.86
RUWART, THOMAS	59.6
STRATFORD VILLAGE CONDO ASSOC	62.78
NADG/AA ARASAN LP	63.58
HUSSEIN, SAMIRA	63.81
GLEASON, PEGGY & DONALD	64.08
NADG/AA ARASAN LP	65.41
NADG/AA ARASAN LP	65.55



SHAKOPEE PUBLIC UTILITIES COMMISSION

Warrant List  
Account Credit Request/Deposit Refunds  
October 5, 2022

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:

NADG/AA ARASAN LP	69.75
NADG/AA ARASAN LP	70.58
SMITH, CHRISTOPHER & LYNN	72
RIVA RIDGE APARTMENTS	77.22
LUECK, STEVEN	77.44
IMAN, IDIRIS	77.71
BOYAPATI, DHANUNJAY & HARATHI	78.6
NADG/AA ARASAN LP	81.54
NADG/AA ARASAN LP	83.6
COHEN, JERRY	89.89
NADG/AA ARASAN LP	94.35
NADG/AA ARASAN LP	95.51
OLEYNIK, RICHARD	102.41
MAHMUD, KAMAL	108.28
JORDAN, CHERYL L	116.35
MONUMENT WHITE PINES LLC	120.2
ALLTIME WIRELESS MN LLC	125.38
GAEBEL, NICOLE	128.27
SIGFOX INC	140.59
SCOTT CARVER DAKOTA CAP AGENC'	156.01
NADG/AA ARASAN LP	162.97
ZIMMER, ABBY	200
WALKER, LAURIE L	279.66
GAFFNEY, MICHAEL T	280.25
SAVAGE TRUCK SERVICE LLC	290.15
SHAKOPEE RIVER CITY CENTER	316.5
CAP AGENCY	399.75
BMO HARRIS BANK	3776.86
	<u>\$12,193.44</u>



Presented for approval by Director of Finance & Administration

Approved by General Manager

Approved by Commission President

## SHAKOPEE PUBLIC UTILITIES COMMISSION

## WARRANT LISTING

October 17, 2022

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:

American Messaging Services, LLC	\$1,561.25
ABDO LLP	\$6,218.75
ABFALTER, NATHAN	\$200.00
ACS ASPHALT CONCRETE SOLUTIONS	\$977.94
ADAMS, KATIE J	\$116.00
ALTEC INDUSTRIES, INC	\$400.73
AMARIL UNIFORM CO.	\$544.11
AMERICAN NATL BANK_ACH MASTERCARD	\$7,958.08
ANNETTE STANEK dba A GRAPHIX DESIGN	\$4,821.25
APPLE FORD OF SHAKOPEE	\$943.31
ARAMARK REFRESHMENT SERVICES INC	\$262.18
ARROW ACE HARDWARE	\$43.45
BERNDTSON, ROBERT	\$186.88
BORDER STATES ELECTRIC SUPPLY INC	\$14,897.21
BRUZDA, EMILY	\$1,000.00
CALDWELL TANK, INC.	\$61,935.25
CANTERBURY PARK CATERING & EVENTS	\$400.00
CENTURY PROMOTIONAL ADVERTISING LLC	\$501.78
CITY OF PRIOR LAKE	\$12,664.00
CITY OF SHAKOPEE	\$495,560.57
CITY OF SHAKOPEE	\$170.00
CORE & MAIN LP	\$1,993.20
CPS TECHNOLOGY SOLUTIONS INC	\$4,646.11
DAKOTA SUPPLY GROUP	\$33,227.53
DICK'S/LAKEVILLE SANITATION INC	\$1,125.10
DITCH WITCH OF MINNESOTA INC	\$288.65
DONLIE UNDERGROUND, INC	\$914.29
ENRIGHT, MIKE	\$1,378.25
FERGUSON US HOLDINGS, INC.	\$6,969.93
FILTRATION SYSTEMS, INC	\$112.82
FS3 INC	\$17,770.57
FURTHER	\$761.31
GENERAL SECURITY SERVICES CORP	\$442.92
GLYNN, MARTIN	\$146.95
GOPHER STATE ONE-CALL	\$992.25
GRAINGER	\$419.64
GRAYBAR ELECTRIC COMPANY INC	\$13,864.51
HANSON, TYLER	\$1,627.14
HAWKINS INC	\$8,021.25
HENG, BUNNA	\$179.99
HENNEN'S AUTO SERVICE, INC.	\$161.74
HRExpertiseBP LLC	\$750.00
IMPACT MAILING OF MINNESOTA, INC.	\$19,441.46
INDELCO PLASTICS CORP	\$197.00
INNOVATIVE OFFICE SOLUTIONS LLC	\$733.51
IRBY - STUART C IRBY CO	\$38,572.48
IRBY TOOL & SAFETY	\$1,466.78
John Henry Foster Minnesota Inc.	\$1,669.36
JOHN GREGORY JOHNSON	\$6,541.94
KAYE, AMY	\$200.00
KHAOPRASEUTH, VANVILAY	\$500.00
LAPAGE, DARREN	\$125.00
LOFFLER COMPANIES INC.	\$1,261.19
M.W. BEVINS COMPANY	\$1,357.00
MAHONEY, VERONA	\$200.00
MARCHAND, PEGGY ANN	\$45.00
MARINEAU, JANET	\$125.00
MARK J TRAUT WELLS, INC	\$138,804.50
MCGRANN SHEA CARNIVAL	\$7,880.53
MCTARSNEY, JOE	\$500.00
MENKE, CINDY	\$98.54
MIDWEST SAFETY COUNSELORS, INC.	\$576.79
MINN DEPT OF HEALTH	\$29,101.68
MINN VALLEY ELECTRIC COOP	\$1,409.44
MINN VALLEY TESTING LABS INC	\$652.90
MMPA c/o Avant Energy	\$4,379,007.71
MMUA	\$1,328.50
MN DEPT OF COMMERCE	\$21,113.97
MN DEPT OF HEALTH	\$23.00
MN DEPT OF REVENUE ACH PAYMENTS	\$345,608.00

## SHAKOPEE PUBLIC UTILITIES COMMISSION

## WARRANT LISTING

October 17, 2022

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:

NAGEL COMPANIES LLC	\$26,766.16
NAIR, SURESH	\$100.00
NAPA AUTO PARTS	\$97.92
NEVILLE, GERRY	\$127.50
NICKOLAY, CINDY	\$186.88
NORTHERN STATES POWER CO.	\$5,349.95
OKTA INC.	\$4,500.72
ORACLE AMERICA INC.	\$34,972.60
PATCHIN MESSNER & DODD	\$3,750.00
PRIORITY 1 OUTDOORS INC.	\$1,240.00
RDO EQUIPMENT CO.	\$479.64
REBROVICH, JOSEPH	\$200.00
RESCO	\$681.29
RW Beck Group, Inc, Leidos Eng. LLC	\$14,466.75
SALICKDAS, KISHORE	\$200.00
SAVAGE, DANIEL	\$105.00
SCOTT COUNTY PHYSICAL DEVELOPMENT	\$162.00
SCOTT COUNTY RECORDERS OFFICE	\$230.00
SHORT ELLIOTT HENDRICKSON INC	\$23,139.57
SOUTHWEST NEWS MEDIA DBA DIV. OF RED	\$1,654.37
STAR ENERGY SERVICES	\$74.50
TECH PRODUCTS, INC	\$761.40
TIEGS, MARCIA 1710 10TH AVE	\$50.00
TRIPLETT, GREG	\$198.13
TWIN CITY GARAGE DOOR CO.	\$549.00
ULINE, INC.	\$2,477.38
UPS STORE # 4009	\$267.39
VERIZON CONNECT FLEET USA LLC	\$523.95
VERIZON WIRELESS	\$3,298.82
VOURLLOS, MICHAEL	\$12.00
WAMSHER, ALEC	\$500.00
WARM-TAYLOR, MELANIE	\$155.00
WATER ISAC	\$550.00
WEIERS, STEVE	\$547.33
WESCO DISTRIBUTION INC	\$6,138.90
WOLFE, LOREN	\$200.00
WOOD, KYRSTEN	\$200.00
WSB & ASSOCIATES, INC.	\$10,544.00
XCEL ENERGY	\$3,882.98
YANG, LEE	\$500.00

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**\$5,855,539.30**

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Presented for approval by: Director of Finance & Administration

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Approved by General Manager

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Approved by Commission President

## SHAKOPEE PUBLIC UTILITIES COMMISSION

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American Messaging Services, LLC	\$1,561.25 Smartswitch
ABDO LLP	\$6,218.75 Sept. accounting services
ABFALTER, NATHAN	\$200.00 2022 Res. Cooling & Heating
ACS ASPHALT CONCRETE SOLUTIONS	\$977.94 Hydrant meter final bill
ADAMS, KATIE J	\$116.00 July, Aug, and Sept. Mileage reimb.
ALTEC INDUSTRIES, INC	\$400.73 Pole cover
AMARIL UNIFORM CO.	\$544.11 Shirts and pants for Water dept.
AMERICAN NATL BANK_ACH MASTERCARD	\$7,958.08 Credit card charges, various gl acct's.
ANNETTE STANEK dba A GRAPHIX DESIGN	\$4,821.25 Clean energy choice, MVEC Data notice, SPU Year review, cold weather brochure
APPLE FORD OF SHAKOPEE	\$943.31 Trk oil changes
ARAMARK REFRESHMENT SERVICES INC	\$262.18 Coffee for lunch rooms
ARROW ACE HARDWARE	\$43.45 screw, pass link chain
BERNOTSON, ROBERT	\$186.88 Mileage reimb.
BORDER STATES ELECTRIC SUPPLY INC	\$14,897.21 WO#2587 Meters
BRUZDA, EMILY	\$1,000.00 2022 Res. Solar Rebate
CALDWELL TANK, INC.	\$61,935.25 Aug. Water tank #8, WO#2259
CANTERBURY PARK CATERING & EVENTS	\$400.00 Event Agreement for Annual Employee Meeting Dec. 1, 2022
CENTURY PROMOTIONAL ADVERTISING LLC	\$501.78 Clothing SPU logo wear
CITY OF PRIOR LAKE	\$12,664.00 3rd Qtr. Franchise Fee
CITY OF SHAKOPEE	\$495,560.57 SW(\$394094.81) & SD(\$101465.76)
CITY OF SHAKOPEE	\$170.00 R.O.W. permit
CORE & MAIN LP	\$1,993.20 WO#2576 - Ball Curb, Couplings, meter registers
CPS TECHNOLOGY SOLUTIONS INC	\$4,646.11 Hardware/Software renewal
DAKOTA SUPPLY GROUP	\$33,227.53 WO#2587- Vcum Bkr \$1176.09 & WO#2587 - Meters
DICK'S/LAKEVILLE SANITATION INC	\$1,125.10 Aug., Sept., Oct., garbage service
DITCH WITCH OF MINNESOTA INC	\$288.65 nozzle
DONLIE UNDERGROUND, INC	\$914.29 Hydrant meter return
ENRIGHT, MIKE	\$1,378.25 Mutual Aid reimb.
FERGUSON US HOLDINGS, INC.	\$6,969.93 WO#2576 - Blk Coat, Pro Touch, Meter horns
FILTRATION SYSTEMS, INC	\$112.82 Fiberglass filter
FS3 INC	\$17,770.57 Pipe innerduct
FURTHER	\$761.31 Oct. Adm. Fees, dental reimb.
GENERAL SECURITY SERVICES CORP	\$442.92 Video System 8/1-10/31/22
GLYNN, MARTIN	\$146.95 Safety boots reimb.
GOPHER STATE ONE-CALL	\$992.25 Sept. locates
GRAINGER	\$419.64 Safety glasses, outlet strip
GRAYBAR ELECTRIC COMPANY INC	\$13,864.51 Pipe - PVC
HANSON, TYLER	\$1,627.14 Mutual Aid reimb.
HAWKINS INC	\$8,021.25 Chlorine Cylinders
HENG, BUNNA	\$179.99 2022 Irrigation Controllers rebate
HENNEN'S AUTO SERVICE, INC.	\$161.74 Oil changes
HRExpertiseBP LLC	\$750.00 Sept. HR Services
IMPACT MAILING OF MINNESOTA, INC.	\$19,441.46 Sept. Collection letters and statements
INDELCO PLASTICS CORP	\$197.00 connectors
INNOVATIVE OFFICE SOLUTIONS LLC	\$733.51 Office supplies
IRBY - STUART C IRBY CO	\$38,572.48 Cable, transformer pads, socket meters - Inventory items
IRBY TOOL & SAFETY	\$1,466.78 Glove testing, battery charges
John Henry Foster Minnesota Inc.	\$1,669.36 6 month contract, Amberglen, Halli, Kelly Cir.
JOHN GREGORY JOHNSON	\$6,541.94 General AMI Consulting WO#2472
KAYE, AMY	\$200.00 2022 Irrigation Controllers rebate
KHAOPRASEUTH, VANVILAY	\$500.00 2022 Res. Cooling & Heating
LAPAGE, DARREN	\$125.00 2022 Energy Star Clothes washer rebate
LOFFLER COMPANIES INC.	\$1,261.19 Contract 10/1-12/31/22 copier machines
M.W. BEVINS COMPANY	\$1,357.00 Ext. replacement
MAHONEY, VERONA	\$200.00 2022 Res. Cooling & Heating
MARCHAND, PEGGY ANN	\$45.00 Refund Irrigation valve fee
MARINEAU, JANET	\$125.00 2022 Energy Star Clothes washer rebate
MARK J TRAUT WELLS, INC	\$138,804.50 WO#2525 Well #23
MCGRANN SHEA CARNIVAL	\$7,880.53 WO#2605 - Municipal & Regulatory Matters
MCTARSNEY, JOE	\$500.00 2022 Res. Cooling & Heating
MENKE, CINDY	\$98.54 Restock inventory reimb.
MIDWEST SAFETY COUNSELORS, INC.	\$576.79 Driver gloves
MINN DEPT OF HEALTH	\$29,101.68 Comm Water Supply connection fee 3rd Qtr.
MINN VALLEY ELECTRIC COOP	\$1,409.44 Poles - WO#2612
MINN VALLEY TESTING LABS INC	\$652.90 Coliform, Nitrite, Nitrate
MMPA c/o Avant Energy	\$4,379,007.71 Sept. power bill
MMUA	\$1,328.50 Annual Random Drug & Alcohol testing, placement test for E.S. & Cross Trng. School for P.T.
MN DEPT OF COMMERCE	\$21,113.97 Unclaimed properties

## SHAKOPEE PUBLIC UTILITIES COMMISSION

## WARRANT LISTING

October 17, 2022

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:

MN DEPT OF HEALTH  
MN DEPT OF REVENUE ACH PAYMENTS  
NAGEL COMPANIES LLC

NAIR, SURESH  
NAPA AUTO PARTS  
NEVILLE, GERRY  
NICKOLAY, CINDY  
NORTHERN STATES POWER CO.  
OKTA INC.  
ORACLE AMERICA INC.  
PATCHIN MESSNER & DODD  
PRIORITY 1 OUTDOORS INC.  
RDO EQUIPMENT CO.  
REBROVICH, JOSEPH  
RESCO  
RW Beck Group, Inc, Leidos Eng. LLC  
SALICKDAS, KISHORE  
SAVAGE, DANIEL  
SCOTT COUNTY PHYSICAL DEVELOPMENT  
SCOTT COUNTY RECORDERS OFFICE

SHORT ELLIOTT HENDRICKSON INC

SOUTHWEST NEWS MEDIA DBA DIV. OF RED  
STAR ENERGY SERVICES  
TECH PRODUCTS, INC  
TIEGS, MARCIA 1710 10TH AVE  
TRIPLETT, GREG  
TWIN CITY GARAGE DOOR CO.  
ULINE, INC.  
UPS STORE # 4009  
VERIZON CONNECT FLEET USA LLC  
VERIZON WIRELESS  
VOURLLOS, MICHAEL  
WAMSHER, ALEC  
WARM-TAYLOR, MELANIE  
WATER ISAC  
WEIERS, STEVE

WESCO DISTRIBUTION INC

WOLFE, LOREN  
WOOD, KYRSTEN  
WSB & ASSOCIATES, INC.  
XCEL ENERGY  
YANG, LEE

\$23.00 MN Water Op. Certificate for M.M.  
\$345,608.00 Sept. Sales & Use Tax  
\$26,766.16 Old Brickyard Rd. WO#2612 - \$19,181.16 & Stagecoach Rd. WO#2565 - \$7585.00  
\$100.00 2022 Energy Star Dish Washer rebate  
\$97.92 2.5 Def. for Florida  
\$127.50 Mileage reimb.  
\$186.88 Mileage reimb.  
\$5,349.95 Sept. Power bill  
\$4,500.72 Contract 10/1/22-9/30/2023 software  
\$34,972.60 3rd Qtr. Printing & Mailing services  
\$3,750.00 Maras St. appraisal - WO#2576  
\$1,240.00 Winterization of properties  
\$479.64 Baghouse filter  
\$200.00 2022 Irrigation Controllers rebate  
\$681.29 Ground rod connector  
\$14,466.75 Shak. Sub. Design WO#2483  
\$200.00 2022 Irrigation Controllers rebate  
\$105.00 2022 Res. Star Appliance rebate and recycling  
\$162.00 Relocation of utilities CH16  
\$230.00 Easements for Shak Crossing, Cretex Ind. Park, LMC Emblem & QF 5 Partners LLC  
\$23,139.57 Watermain Const. Adm. WO#2360 - \$1502.50 CSAH 83 Improvements, WO#2651 - \$13226.56 Maras 13th Ave., WO#2597 - \$8246.91 Summerland 2nd Add., WO#2601 - Valley Crest 2nd \$91.10 and WO#2660 Windermere 6th Add - 72.50  
\$1,654.37 Sept. legals and GIS Adm. Posting  
\$74.50 Knott services NOVA power portal  
\$761.40 Open labels  
\$50.00 2022 Water Sense Toilet reimb.  
\$198.13 Mileage reimb.  
\$549.00 Drawbar  
\$2,477.38 Safety bollard, open gear locker  
\$267.39 Stale dated checks reissued  
\$523.95 Vehicle tracking  
\$3,298.82 Aug. 24 - Sept. 23 cell phones & ipads  
\$12.00 July, Aug. and Sept. Mileage reimb.  
\$500.00 2022 Res. Cooling & Heating  
\$155.00 2022 Energy Star Appliance rebate/recycling  
\$550.00 Annual Membership 1/1/23-12/31/23  
\$547.33 2022 Irrigation Controllers rebate & Res. Cooling & Heating rebate  
\$6,138.90 Bushing insert, ground rod, ball mearkers, connector arrester, pvc  
\$200.00 2022 Res. Cooling & Heating  
\$200.00 2022 Res. Cooling & Heating  
\$10,544.00 Pumphouse #23 Prof. Services WO#2581  
\$3,882.98 Gas usage and Elec. Service for Amberglen/Valley Park  
\$500.00 2022 Res. Cooling & Heating

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\$5,855,539.30

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Presented for approval by: Director of Finance & Administration

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Approved by General Manager



PO Box 470 • 255 Sarazin Street  
Shakopee, Minnesota 55379  
Main 952.445-1988 • Fax 952.445-7767  
[www.shakopeeutilities.com](http://www.shakopeeutilities.com)

To: SPU Commissioners

From: Greg Drent, General Manager *GD*

Date: October 11, 2022

Subject: MMPA September Meeting Update

The Board of Directors of the Minnesota Municipal Power Agency (MMPA) met on September 27, 2022, at Chaska City Hall in Chaska, Minnesota and via videoconference.

The Board reviewed the Agency's financial and operating performance for August 2022.

The Board discussed the current business environment.

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

The Board discussed the Inflation Reduction Act and its impact on power generation planning. The Act could benefit MMPA as it provides for direct payment of incentives for renewable energy that have historically only been available to taxable entities.

The Board discussed the status of the Member Power Sales Agreement extension. Since MMPA's annual meeting in late July, six MMPA members have extended their power sales agreements through 2060.

There was an increase of 43 customers participating in the residential Clean Energy Choice program from July to August. Customer penetration is at 4.0% of members' retail customers.

# Monthly Water Dashboard

As of: September 2022

Shakopee Public Utilities Commission

ALL VALUES IN MILLIONS OF GALLONS

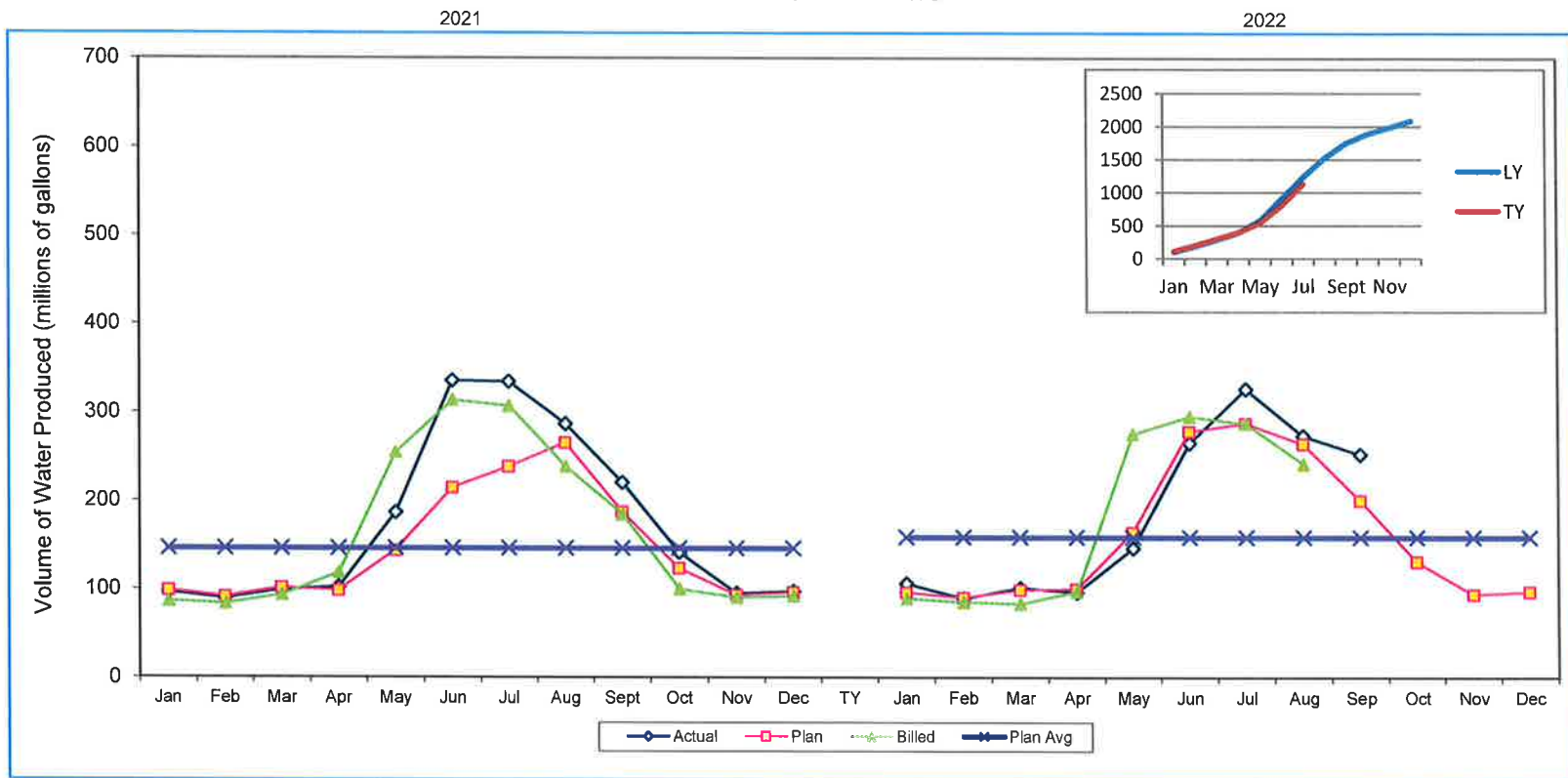
## Element/Measure

## Water Pumped/Metered

Monthly Avg

2019 139  
2020 150  
2021 173

Last 6 months actuals 96 146 265 326 273 252 326



	LY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	TY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Actual		96	89	99	102	186	335	334	286	220	141	95	97		106	89	101	96	146	265	326	273	252			
Plan		98	91	101	98	143	214	238	265	187	123	93	96		96	90	99	100	164	278	287	264	200	131	94	97
YTD % *															110%	105%	104%	102%	98%	97%	101%	102%	105%			
Billed		86	83	93	118	254	313	306	238	184	100	90	92		89	85	83	97	275	295	287	241				

\* Actual gallons pumped vs. Plan



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www.shakopeeutilities.com

TO: Greg Drent, General Manager *gld*  
FROM: Joseph D. Adams, Planning & Engineering Director *J. Adams*  
SUBJECT: CR 83 County Project 83-24 and SPU 18-inch Water Main Replacement  
DATE: October 13, 2022

#### ISSUE

The existing Construction Cooperative Agreement effective December 1, 2020, with Scott County should be revised per the attached First Amendment to Agreement to reflect the reduced scope of work undertaken on the 18-inch watermain and associated facilities.

#### BACKGROUND

SPU and Scott County are parties to a Construction Cooperative Agreement dated December 1, 2020, to include the replacement of the 18-inch water main along the majority of the 1.1-mile stretch of county highway being reconstructed.

Initial bidding resulting in large cost overages due to many factors. Commission direction was to reduce the scope of work by retaining the bulk of the 18-inch water main and only upgrading facilities such as extending fire hydrant leads, replacing hydrants, adding, and replacing select valves, and increasing water main stubs for future development to minimize the potential of having to access the water main which will end up under the concrete pavement of the roadway with the expansion project.

#### DISCUSSION

SPU attorney Kathleen Brennan drafted revised terms for the reduced scope and Scott County staff submitted the attached First Amendment to Agreement to affect the same.

#### REQUESTED ACTION

Staff requests the Commission approve the First Amendment to Agreement terms and authorize its execution.



[Type here]

[Type here]

County Project No. CP 83-24  
Shakopee Public Utilities Commission  
County of Scott

## FIRST AMENDMENT TO AGREEMENT

This First Amendment to the Construction Cooperative Agreement by and between the County of Scott, and Shakopee Public Utilities Commission, 255 Sarazin Street, Shakopee, MN 55379 approved and effective on December 1, 2020, is made and entered into by and between the County of Scott, hereinafter referred to as the "County," and Shakopee Public Utilities Commission, hereinafter referred to as "SPUC."

### WITNESSETH THAT:

WHEREAS, SPUC has entered into an agreement with the County, effective December 1, 2020, for the provision of preliminary and final design professional services and cost sharing of construction as a part of County Project (CP) 83-24 (hereinafter referred to as the "Project"); and

WHEREAS, in the original Project design, SPUC was to replace the 18" watermain along CH 83 but has since decided instead to make modifications to the watermain infrastructure that is already in place. To make this change, the County's Project construction plans need to be revised; and

WHEREAS, SPUC has agreed to pay for this design change to the County's Project plans but will make payment directly to Kimley Horn (the County's design consultant for the project) for the actual design costs incurred for their portion of the Project design costs under a separate agreement; and

WHEREAS, SPUC and the County find it to be to their mutual benefit to revise the terms of the aforementioned Agreement.

NOW THEREFORE, in consideration of the mutual covenants contained herein, the parties hereto agree that the aforementioned Agreement is amended as follows:

**1. Recital C, SHALL BE AMENDED AS FOLLOWS (deletions struck through, additions underlined):**

~~Separate and apart from the Project, SPUC plans to install an eighteen (18) inch water main in the Project area along CH 83 that will connect into the existing SPUC trunk water main system. The total length of the eighteen (18) inch trunk water main extension is approximately forty eight hundred (4800) lineal feet. Associated additional water main, pipe casings, gate valves, and hydrants will also be installed. All work together hereinafter referred to as "SPUC's Work."~~

SPUC plans to retain an eighteen (18) inch water main in the Project area of approximately forty-eight hundred (4800) lineal feet. SPUC plans to modify or relocate valves, hydrants, and install water main extensions/crossings and pipe casings as appropriate. All work determined by SPUC shall be referred to as "SPUC's Work."

**2. Recital E, SHALL BE AMENDED AS FOLLOWS (deletions struck through, additions underlined):**

~~The County Engineer has prepared an estimate of quantities and unit prices of material and labor for the above described Project and an estimate of the total cost for SPUC's Work in the sum of one million twenty-nine thousand eight hundred ninety-nine dollars and no cents~~

[Type here]

[Type here]

County Project No. CP 83-24  
Shakopee Public Utilities Commission  
County of Scott

~~(\$1,029,899.00). A copy of said estimate, hereinafter incorporated into this agreement and referred to as Exhibit B.~~

The County Engineer has prepared an estimate of quantities and unit prices of material and labor for the above-described Project and an estimate of the total cost for SPUC's Work in the sum of eight hundred twenty two thousand nine hundred ten dollars and zero cents (\$822,910.00). A copy of this estimate is attached as Exhibit B and is hereby incorporated by reference into the Agreement.

**3. Clause 2, SHALL BE AMENDED AS FOLLOWS (deletions struck through, additions underlined):**

~~The County agrees to provide preliminary and final design work and services to include SPUC's Work within its Project. The plan set for the Project will be designed and prepared by the County's design consultant, Kimley Horn and Associates, Inc., in accordance with SPUC requirements for its portion of the work as requested by SPUC, including:~~

- ~~a. All watermain, hydrant, valve, and related work being added with the Project per the construction plans. This includes final plan drawings, watermain and associated system detail sheets, and tables as directed by SPUC staff.~~
- ~~b. Special provisions for the watermain, hydrant, and valve work being included in the construction plans and specifications as directed by SPUC staff. These provisions shall include, but not be limited to, providing for per unit bidding and changes in design quantities.~~

In addition to payment of SPUC's share of the contract construction cost, SPUC further agrees to pay for the design services relating to SPUC's Work as directed by SPUC staff, including preliminary and final plan drawings, water main and associated system detail sheets, and tables, and all actual costs of planning, design, and preparation of plans and specifications for SPUC's Work. The County has retained Kimley-Horn and Associates, Inc. as its design consultant for the Project

**Clause 9, SHALL BE AMENDED AS FOLLOWS (deletions struck through, additions underlined):**

~~In addition to payment of SPUC's share of the contract construction cost, SPUC further agrees to pay for its design services as described here which includes all actual costs of planning, design and preparation of plans and specifications, at an agreed upon sum of thirty nine thousand dollars and no cents (\$39,000.00).~~

———In addition to payment of SPUC's share of the contract construction cost, SPUC further agrees to pay for its design services as described here which includes all actual costs of planning, design and preparation of plans and specifications, at an agreed upon sum of thirty-nine thousand dollars and no cents (\$39,000.00). Additionally, SPUC shall remit payment for the redesign of SPUC's work directly to the design consultant under a separate agreement.

**5. Clause 10, SHALL BE AMENDED AS FOLLOWS (deletions struck through, additions underlined):**

[Type here]

[Type here]

County Project No. CP 83-24  
Shakopee Public Utilities Commission  
County of Scott

SPUC further agrees to contribute to costs designated as a percentage of Contract work for SPUC's Work:

- a. ~~mobilization and traffic control by paying four percent (4%),~~
- b. a construction engineering and inspection at two percent (2%); and
- c. b contract administration at three percent (3%).

**6. OTHER CONTRACT PROVISIONS**

All other terms and conditions of the Agreement not specifically amended here shall continue with full force and effect.

(SEAL)

By \_\_\_\_\_  
Kathleen Mocol, President

By \_\_\_\_\_  
Greg Drent, General Manager

Date \_\_\_\_\_

Date \_\_\_\_\_

**COUNTY OF SCOTT**

**ATTEST:**

By \_\_\_\_\_  
Jon Ulrich, Chair of Its County Board

By \_\_\_\_\_  
Lezlie Vermillion, County Administrator

Date \_\_\_\_\_

Date \_\_\_\_\_

Upon proper execution, this agreement  
will be legally valid and binding.

**RECOMMEND FOR APPROVAL:**

By \_\_\_\_\_  
Jeanne Andersen, Assistant County Attorney

By \_\_\_\_\_  
Anthony J. Winiecki, County Engineer

Date \_\_\_\_\_

Date \_\_\_\_\_

Exhibit B

CSAH 83 IMPROVEMENTS FUNDING SPLIT  
NOVEMBER 2019

Total Contract							County Cost Participation Policy				TIF				CITY (12TH AVENUE) EAST OF CSAH 83				SPUC			
							Highway Improvements				Traffic Signals & Intersection Improvements				Multi-Use Trails & Sidewalks							
							City 25%		County 85%		City 50%		County 50%		City 50%		County 50%					
Item No.	MoDOT No.	Item Description	Unit	CONTRACT Quantity	Unit Price	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount
1	2011.601	AS BUILT	LUMP SUM	1	\$	10,000.00	0.2	\$	2,000.00	0.8	\$	8,000.00										
2	2021.501	MOBILIZATION	LUMP SUM	1	\$	500,000.00	0.2	\$	100,000.00	0.8	\$	400,000.00										
3	2031.503	FIELD OFFICE TYPE D	EACH	1	\$	25,000.00	0.2	\$	5,000.00	0.8	\$	20,000.00										
4	2101.501	CLEARING & GRUBBING	LUMP SUM	1	\$	15,000.00	0.2	\$	3,000.00	0.8	\$	12,000.00										
5	2104.502	REMOVE GATE VALVE	EACH	14	\$	350.00	2.8	\$	100.00	11.2	\$	3,500.00										
6	2104.502	REMOVE INVERT	EACH	12	\$	600.00	2.4	\$	120.00	9.6	\$	7,800.00										
7	2104.502	REMOVE DRAINAGE STRUCTURE	EACH	80	\$	400.00	12	\$	4,800.00	48	\$	19,200.00										
8	2104.502	REMOVE MARKER	EACH	2	\$	30.00	0.4	\$	12.00	1.6	\$	48.00										
9	2104.502	REMOVE SIGN TYPE C	EACH	47	\$	40.00	9.4	\$	376.00	37.6	\$	1,504.00										
10	2104.502	REMOVE SIGN TYPE SPECIAL	EACH	2	\$	100.00	0.4	\$	40.00	1.6	\$	160.00										
11	2104.502	SALVAGE LIGHT FOUNDATION	EACH	2	\$	800.00	0.4	\$	320.00	1.6	\$	1,280.00										
12	2104.502	SALVAGE LIGHTING UNIT	EACH	2	\$	500.00	0.4	\$	200.00	1.6	\$	800.00										
13	2104.502	SALVAGE SIGN TYPE C	EACH	3	\$	60.00	0.6	\$	36.00	2.4	\$	144.00										
14	2104.502	SALVAGE SIGN TYPE D	EACH	7	\$	100.00	1.4	\$	140.00	5.6	\$	560.00										
15	2104.503	SAVING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	1000	\$	5.00	5,000.00	220	\$	1,100.00	800	\$	4,000.00									
16	2104.503	SAVING BIT PAVEMENT (FULL DEPTH)	LIN FT	2000	\$	4.00	8,000.00	400	\$	1,600.00	1600	\$	7,200.00									
17	2104.503	REMOVE WATER MAIN	LIN FT	5500	\$	10.00	55,000.00															
18	2104.503	REMOVE SEWER PIPE (STORM)	LIN FT	4000	\$	10.00	40,000.00	800	\$	8,000.00	3200	\$	32,000.00									
19	2104.503	REMOVE CURB & GUTTER	LIN FT	21400	\$	3.00	64,200.00	3500	\$	10,700.00	14100	\$	42,900.00									
20	2104.503	REMOVE FENCE	LIN FT	910	\$	4.00	3,640.00	92	\$	368.00	208	\$	832.00									
21	2104.503	REMOVE GUARDRAIL	LIN FT	300	\$	5.00	1,500.00	60	\$	300.00	240	\$	1,200.00									
22	2104.503	REMOVE BOX CULVERT	LIN FT	82	\$	150.00	12,300.00	20.4	\$	3,060.00	81.6	\$	12,240.00									
23	2104.503	SALVAGE FENCE	LIN FT	475	\$	15.00	7,125.00	95	\$	1,425.00	380	\$	5,700.00									
24	2104.504	REMOVE CONCRETE MEDIAN	SQ YD	2725	\$	8.00	21,800.00	400	\$	3,200.00	1620	\$	15,360.00									
25	2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	50500	\$	3.00	151,500.00	11200	\$	33,600.00	44800	\$	134,400.00									
26	2104.507	REMOVE RIPRAP	CU YD	200	\$	60.00	12,000.00	40	\$	2,400.00	160	\$	9,600.00									
27	2104.510	REMOVE BITUMINOUS WALK	SQ FT	21400	\$	1.00	21,400.00	3360	\$	3,360.00	14400	\$	14,400.00									
28	2104.510	REMOVE CONCRETE WALK	SQ FT	4000	\$	1.50	6,000.00	800	\$	1,200.00	3200	\$	4,800.00									
29	2104.510	REMOVE CONCRETE DRIVEWAY PAVEMENT	SQ FT	4150	\$	2.00	8,300.00	100	\$	200.00	520	\$	1,040.00									
30	2104.504	REMOVE CONCRETE PAVEMENT	SQ YD	3700	\$	12.00	44,400.00	220	\$	2,640.00	880	\$	10,560.00									
31	2104.601	REMOVE MISCELLANEOUS STRUCTURES	LUMP SUM	1	\$	30,000.00	0.2	\$	6,000.00	0.8	\$	24,000.00										
32	2105.504	GEOTEXTILE FABRIC TYPE 4	SQ YD	40	\$	8.00	320.00	8	\$	64.00	32	\$	256.00									
33	2105.507	EXCAVATION - COMMON	CU YD	67147	\$	6.00	402,882.00	10154.8	\$	60,928.80	40619.2	\$	243,715.20									
34	2105.507	EXCAVATION - ROCK	CU YD	800	\$	100.00	80,000.00	160	\$	16,000.00	640	\$	64,000.00									
35	2105.507	EXCAVATION - CHANNEL AND POND	CU YD	6000	\$	6.00	36,000.00	1212	\$	7,272.00	4888	\$	28,988.00									
36	2105.507	SELECT GRANULAR EMBANKMENT (CV)	CU YD	10600	\$	14.00	148,400.00	540	\$	7,560.00	2160	\$	30,240.00									
37	2105.507	COMMON EMBANKMENT (CV)	CU YD	24710	\$	3.00	74,130.00	4903.8	\$	14,711.40	19806.2	\$	59,423.60									
38	2123.610	STREET SWEEPER (WITH PICKUP BEDROOM)	HOUR	250	\$	100.00	25,000.00	50	\$	5,000.00	200	\$	20,000.00									
39	2130.523	WATER	MG GALLON	300	\$	40.00	12,000.00	60	\$	2,400.00	240	\$	9,600.00									
40	2211.507	AGGREGATE BASE (CV) CLASS B	CU YD	10800	\$	22.00	237,600.00	2160	\$	47,520.00	10080	\$	220,080.00									
41	2301.502	DOVEL BAR	EACH	31000	\$	6.00	186,000.00	6200	\$	37,200.00	24800	\$	148,800.00									
42	2301.504	CONCRETE PAVEMENT 7" 0"	SQ YD	60550	\$	60.00	3,633,000.00	10400	\$	624,000.00	41600	\$	2,496,000.00									
43	2301.508	SUPPLEMENTAL PAVEMENT REINFORCEMENT	FOUNT	20000	\$	2.00	40,000.00	4000	\$	8,000.00	16000	\$	32,000.00									
44	2305.504	BITUMINOUS SEAL COAT	SQ YD	10000	\$	0.06	600.00	1000	\$	60.00	7400	\$	438.00									
45	2360.509	TYPE SP 9.5 WEARING COURSE MIX (3.C)	TON	1300	\$	65.00	84,500.00	260	\$	16,900.00	1040	\$	67,600.00									
46	2360.509	TYPE SP 12.5 WEARING COURSE MIX (3.C)	TON	2070	\$	70.00	144,900.00	240	\$	16,800.00	1830	\$	128,100.00									
47	2360.604	TEMPORARY BITUMINOUS PAVEMENT	SQ YD	5000	\$	25.00	125,000.00	1000	\$	25,000.00	4000	\$	100,000.00									
48	2411.507	STRUCTURAL CONCRETE (3052)	CU YD	20	\$	1,100.00	22,000.00	4	\$	4,400.00	16	\$	17,600.00									
49	2411.508	REINFORCEMENT BARS (EPOXY COATED)	FOUNT	1000	\$	1.75	1,750.00	200	\$	350.00	800	\$	1,400.00									
50	2411.601	MODIFY INPLACE MODULAR BLOCK WALL	LUMP SUM	1	\$	50,000.00	0.2	\$	10,000.00	0.8	\$	40,000.00										
51	2411.610	PRECAST CONCRETE MODULAR BLOCK WALL	SQ FT	3250	\$	85.00	276,250.00	650	\$	55,250.00	2600	\$	221,000.00									
52	2411.610	ARCH SURFACE FINISH (SINGLE COLOR)	SQ FT	330	\$	2.50	825.00	66	\$	165.00	264	\$	660.00									
53	2412.602	PRECAST CONCRETE HEADWALL	EACH	2	\$	200.00	400.00	0.4	\$	80.00	1.6	\$	320.00									
54	2501.502	10" RC PIPE APRON	EACH	3	\$	800.00	2,400.00	0.6	\$	480.00	2.4	\$	1,920.00									
55	2501.502	12" RC PIPE APRON	EACH	2	\$	1,100.00	2,200.00	0.4	\$	440.00	1.6	\$	1,760.00									
56	2501.502	10" RC PIPE APRON	EACH	2	\$	1,200.00	2,400.00	0.4	\$	480.00	1.6	\$	1,920.00									
57	2501.602	TRASH GUARD FOR 10" PIPE APRON	EACH	3	\$	600.00	1,800.00	0.6	\$	360.00	2.4	\$	1,440.00									
58	2501.603	TRASH GUARD FOR 24" PIPE APRON	EACH	2	\$	900.00	1,800.00	0.4	\$	360.00	1.6	\$	1,440.00									
59	2501.602	TRASH GUARD FOR 30" PIPE APRON	EACH	2	\$	1,000.00	2,000.00	0.4	\$	400.00	1.6	\$	1,600.00									
60	2502.502	4" TP PIPE DRAIN	LIN FT	40	\$	7.00	2,800.00	8	\$	560.00	32	\$	2,240.00									
61	2502.503	4" PERFORATED PIPE DRAIN	LIN FT	20	\$	6.50	1,300.00	4	\$	260.00	16	\$	1,040.00									
62	2502.503	4" PERFORATED PIPE DRAIN	LIN FT	21000	\$	6.00	126,000.00	4200	\$	25,200.00	16800	\$	100,800.00									
63	2503.503	10" RC PIPE SEWER DES 3006 CL V	LIN FT	4100	\$	45.00	184,500.00	820	\$	37,000.00	3280	\$	148,500.00									
64	2503.503	10" RC PIPE SEWER DES 3006 CL V	LIN FT	400	\$	45.00	18,000.00	80	\$	3,600.00	320	\$	14,400.00									
65	2503.503	12" RC PIPE SEWER DES 3006 CL V																				

Exhibit B

CSAH 83 IMPROVEMENTS FUNDING SPLIT  
NOVEMBER 2019

Total Contract							County Cost Participation Policy												TIF		CITY (12TH AVENUE) EAST OF CSAH 83			SPUC	
							Highway Improvements				Traffic Signals & Intersection Improvements				Multi-Use Trails & Sidewalks										
Item No.	InvDOT No.	Item Description	Unit	Contract Quantity	Unit Price	Amount	City 35%		County 65%		City 50%		County 50%		Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount			
							Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount											
73	2504.602	8" GATE VALVE & BOX	EACH	3	\$	2,400.00															3	\$	7,200.00		
74	2504.602	12" GATE VALVE & BOX	EACH	3	\$	4,300.00															3	\$	12,900.00		
75	2504.602	18" GATE VALVE & BOX	EACH	11	\$	10,000.00															11	\$	110,000.00		
76	2504.603	4" WATERMAIN DUCTILE IRON CL 52	LN FT	5	\$	150.00															5	\$	750.00		
77	2504.603	6" WATERMAIN DUCTILE IRON CL 52	LN FT	300	\$	45.00															300	\$	13,500.00		
78	2504.603	8" WATERMAIN DUCTILE IRON CL 52	LN FT	350	\$	60.00															350	\$	21,000.00		
79	2504.603	12" WATERMAIN DUCTILE IRON CL 52	LN FT	250	\$	80.00															250	\$	20,000.00		
80	2504.603	18" WATERMAIN DUCTILE IRON CL 52	LN FT	4800	\$	75.00															4800	\$	360,000.00		
81	2504.603	20" STEEL CASING PIPE	LN FT	530	\$	175.00															530	\$	22,750.00		
82	2504.603	22" STEEL CASING PIPE	LN FT	370	\$	100.00															370	\$	40,000.00		
83	2504.603	48" STEEL CASING PIPE	LN FT	250	\$	200.00															250	\$	50,000.00		
84	2504.609	DUCTILE IRON FITTINGS	POUND	17000	\$	10.00															17000	\$	170,000.00		
85	2506.602	CASTING ASSEMBLY	EACH	116	\$	750.00			23.2	\$	17,400.00	92.8	\$	69,600.00											
86	2506.503	CONST DRAINAGE STRUCTURE DESIGN G	LN FT	99	\$	400.00			19.9	\$	7,920.00	79.2	\$	31,680.00											
87	2506.503	CONST DRAINAGE STRUCTURE DES 40-4020	LN FT	526	\$	800.00			65.2	\$	32,080.00	260.8	\$	138,400.00											
88	2506.503	CONST DRAINAGE STRUCTURE DES 60-4020	LN FT	95	\$	600.00			19	\$	11,400.00	76	\$	45,600.00											
89	2506.503	CONST DRAINAGE STRUCTURE DES 72-4020	LN FT	46	\$	750.00			9	\$	6,750.00	36	\$	27,000.00											
90	2506.602	RECONSTRUCT DRAINAGE STRUCTURE	EACH	11	\$	2,000.00			2.2	\$	4,400.00	8.8	\$	17,600.00											
91	2506.602	ADJUST FRAME & RING CASTING	EACH	12	\$	6,000.00			2.4	\$	12,000.00	9.6	\$	48,000.00											
92	2506.602	CONSTRUCT CONTROL STRUCTURE	EACH	2	\$	7,500.00			0.4	\$	3,000.00	1.6	\$	12,000.00											
93	2511.504	GEOTEXTILE FILTER TYPE 4	SQ YD	171	\$	5.00			34.2	\$	171.00	136.8	\$	684.00											
94	2511.507	RANDOM RIPRAP CLASS III	CU YD	63	\$	100.00			12.6	\$	1,260.00	50.4	\$	5,040.00											
95	252.1.0.18	4" CONCRETE WALK	SQ FT	4800	\$	5.00							2300	\$	11,500.00	2300	\$	11,500.00							
96	252.1.0.18	6" CONCRETE WALK	SQ FT	9000	\$	8.00							4500	\$	36,000.00	4500	\$	36,000.00							
97	252.1.0.18	8" BITUMINOUS WALK	SQ FT	74000	\$	2.50							34800	\$	87,200.00	34800	\$	87,200.00							
98	2531.503	CONCRETE CURB & GUTTER DESIGN B424	LN FT	21018	\$	15.00			4100	\$	61,500.00	16918	\$	249,600.00											
99	2531.503	CONCRETE CURB & GUTTER DESIGN B612	LN FT	2450	\$	30.00			200	\$	4,000.00	800	\$	16,000.00											
100	2531.503	CONCRETE CURB & GUTTER DESIGN B018	LN FT	3900	\$	23.00			440	\$	10,120.00	1760	\$	40,400.00											
101	2531.504	CONCRETE MEDIAN	SQ YD	1986	\$	45.00			380	\$	17,100.00	1520	\$	68,400.00											
102	2531.504	8" CONCRETE DRIVEWAY PAVEMENT	SQ YD	950	\$	70.00			120	\$	8,400.00	480	\$	33,600.00											
103	2531.618	TRUNCATED DOWNS	SQ FT	600	\$	50.00							400	\$	22,500.00	400	\$	22,500.00							
104	2545.602	INSTALL LIGHTING UNIT	EACH	2	\$	1,000.00			0.4	\$	400.00	1.6	\$	1,600.00											
105	2545.602	INSTALL LIGHT FOUNDATION	EACH	2	\$	1,500.00			0.4	\$	600.00	1.6	\$	2,400.00											
106	2557.503	WIRE FENCE DESIGN SPECIAL VINYL COATED	LN FT	305	\$	35.00			73.2	\$	2,562.00	292.8	\$	10,318.00											
107	2557.503	WIRE FENCE DESIGN 60V-0322	LN FT	120	\$	30.00			24	\$	720.00	96	\$	2,880.00											
108	2557.503	WIRE FENCE DESIGN 72V-0322	LN FT	550	\$	10.00			6	\$	60.00														
109	2557.503	INSTALL FENCE	LN FT	475	\$	25.00			95	\$	2,375.00	380	\$	9,500.00											
110	2563.001	TRAFFIC CONTROL	LUMP SUM	1	\$	180,000.00			0.2	\$	36,000.00	0.8	\$	144,000.00											
111	2564.602	INSTALL SIGN TYPE C	EACH	5	\$	250.00			0.6	\$	150.00	2.4	\$	600.00											
112	2564.602	INSTALL SIGN TYPE D	EACH	7	\$	400.00			1.4	\$	560.00	5.6	\$	2,240.00											
113	2564.602	OBJECT MARKER TYPE X4-2	EACH	13	\$	80.00			2.6	\$	208.00	10.4	\$	832.00											
114	2564.602	OBJECT MARKER TYPE X4-11	EACH	2	\$	80.00			0.4	\$	32.00	1.6	\$	128.00											
115	2564.618	SIGN PANELS TYPE C	SQ FT	705	\$	40.00			163	\$	6,520.00	617	\$	24,680.00											
116	2564.618	SIGN PANELS TYPE SPECIAL	SQ FT	30	\$	40.00			7.6	\$	304.00	30.4	\$	1,216.00											
117	2566.601	EMERGENCY VEHICLE PREEMPTION SYSTEM A	LUMP SUM	1	\$	7,500.00			0	\$	0.00										1	\$	7,500.00		
118	2566.601	EMERGENCY VEHICLE PREEMPTION SYSTEM B	LUMP SUM	1	\$	7,500.00			0.5	\$	3,750.00	0.5	\$	3,750.00											
119	2568.616	TRAFFIC CONTROL INTERCONNECT	LUMP SUM	1	\$	10,000.00							1	\$	10,000.00										
120	2568.616	TRAFFIC CONTROL SIGNAL SYSTEM A	SYSTEM	1	\$	275,000.00			0	\$	0.00										1	\$	275,000.00		
121	2568.616	TRAFFIC CONTROL SIGNAL SYSTEM B	SYSTEM	1	\$	360,000.00			0.5	\$	180,000.00	0.5	\$	180,000.00											
122	2568.616	REVERSE SIGNAL SYSTEM C	SYSTEM	1	\$	200,000.00			0	\$	0.00										1	\$	200,000.00		
123	2568.616	REVERSE SIGNAL SYSTEM D	SYSTEM	1	\$	90,000.00							1	\$	90,000.00										
124	2573.501	STABILIZED CONSTRUCTION EXIT	LUMP SUM	1	\$	6,000.00			0.2	\$	1,200.00	0.8	\$	4,800.00											
125	2573.501	EROSION CONTROL SUPERVISOR	LUMP SUM	1	\$	10,000.00			0.2	\$	2,000.00	0.8	\$	8,000.00											
126	2573.502	STORM DRAIN INLET PROTECTION	EACH	88	\$	175.00			17.6	\$	3,080.00	70.4	\$	12,320.00											
127	2573.503	BULF FENCE TYPE M5	LN FT	10000	\$	2.00			2000	\$	4,000.00	8000	\$	16,000.00											
128	2573.503	SEDIMENT CONTROL LOG TYPE WOOD FIBER	LN FT	3000	\$	4.00			600	\$	2,400.00	2400	\$	9,600.00											
129	2574.508	FERTILIZER TYPE 1	POUND	2600	\$	1.00			520	\$	520.00	2080	\$	2,080.00											
130	2574.508	FERTILIZER TYPE 3	POUND	2100	\$	1.00			420	\$	420.00	1680	\$	1,680.00											
131	2575.504	EROSION CONTROL BLANKETS CATEGORY 9N	SQ YD	5000	\$	1.50			1000	\$	1,500.00	4000	\$	6,000.00											
132	2575.505	SEEDING	ACRE	7	\$	500.00			1.4	\$	700.00	5.6	\$	2,800.00											
133	2575.505	DISK ANCHORING	ACRE	12	\$	500.00			2.4	\$	1,200.00	9.6	\$	4,800.00											
134	2575.508	SEED MIXTURE 25-111	POUND	1200	\$	10.00			240	\$	2,400.00	960	\$	9,600.00											
135	2575.508	SEED MIXTURE 25-121	POUND	400	\$	10.00			80	\$	800.00	320	\$	3,200.00											
136	2575.508	SEED MIXTURE 25-131	POUND	360	\$	10.00			70	\$	700.00	290	\$	2,900.00											
137	2575.509	MULCH MATERIAL TYPE 1	TON	24	\$	250.00			4.8	\$	1														

Exhibit B

CSAH 83 IMPROVEMENTS FUNDING SPLIT  
NOVEMBER 2019

Total Contract							County Cost Participation Policy																TIF		CITY (12TH AVENUE) EAST OF CSAH 83		SPUC	
							Highway Improvements				Traffic Signals & Intersection Improvements				Multi-Use Trails & Sidewalks													
							City		County		City		County		City		County											
							95%	5%	95%	5%	95%	5%	95%	5%														
Item No.	MeDOT No.	Item Description	Unit	CSH201 Quantity	Unit Price	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount						
145	2582.503	4" SOLID LINE MULTI COMP GR IN (WR)	LN FT	25885	\$	0.75	\$	19,413.75	5177	\$	3,882.75	20788	\$	15,531.00														
146	2582.503	8" SOLID LINE MULTI COMP GR IN (WR)	LN FT	910	\$	3.00	\$	2,730.00	182	\$	540.00	728	\$	2,184.00														
147	2582.503	4" BROKEN LINE MULTI COMP GR IN (WR) CONT	LN FT	2030	\$	1.00	\$	2,030.00	406	\$	406.00	1624	\$	1,624.00														
148	2582.503	4" DOTTED LINE MULTI COMP GR IN (WR) CONT	LN FT	110	\$	2.00	\$	220.00	22	\$	44.00	88	\$	176.00														
149	2582.503	3/4" SOLID LINE PREF THERMO GR IN	LN FT	830	\$	30.00	\$	24,900.00	166	\$	4,960.00	664	\$	19,920.00														
150	2582.518	PAVT WSSG MULTI COMP	SQ FT	165	\$	25.00	\$	4,125.00	33	\$	825.00	132	\$	3,300.00														
151	2582.518	PAVT WSSG PREF THERMO GR IN CONT	SQ FT	950	\$	45.00	\$	42,750.00	190	\$	8,550.00	760	\$	34,200.00														
152	2582.518	CROSSWALK PREF THERMO GR IN CONT	SQ FT	5650	\$	17.00	\$	96,050.00	1130	\$	19,210.00	4520	\$	76,840.00														
Subtotal							\$ 11,105,622.25		\$ 1,961,511.85		\$ 6,248,047.40		\$ 153,758.00		\$ 213,780.00		\$ 107,280.00		\$ 1,424,228.00		\$ 283,635.00							
5% Contingency							\$ 555,281.11		\$ 78,075.59		\$ 312,302.37		\$ 7,687.50		\$ 10,687.50		\$ 7,862.50		\$ 71,211.40		\$ 45,410.00							
TOTAL							\$ 11,660,903.36		\$ 1,839,587.44		\$ 6,560,349.77		\$ 161,437.50		\$ 224,437.50		\$ 165,112.50		\$ 1,495,439.40		\$ 297,816.70							
8% Escalation (2019-2021)							\$ 932,872.27		\$ 131,167.00		\$ 524,667.36		\$ 12,915.00		\$ 17,865.00		\$ 10,209.00		\$ 119,635.15		\$ 76,288.00							
TOTAL PRELIMINARY CONSTRUCTION COST							\$ 12,593,775.63		\$ 1,970,754.44		\$ 7,085,017.13		\$ 174,352.50		\$ 242,302.50		\$ 175,321.50		\$ 1,615,074.55		\$ 321,642.04							
Total County							\$ 7,593,731.75																					
Total City							\$ 4,060,145.68																					
Total SPUC							\$ 1,029,898.80																					

1. INCLUDES 5% CONTINGENCY AND 8% FOR ESCALATION FROM 2019 TO 2021 CONSTRUCTION PRICING.  
2. ASSUMES A CONCRETE PAVEMENT SECTION OF 7.5" CONCRETE, 4" AGGREGATE BASE, AND 12" SELECT GRANULAR MATERIAL FOR CSAH 83.  
3. ASSUMES A BITUMINOUS PAVEMENT SECTION OF 5" BITUMINOUS, 8" AGGREGATE BASE, AND 24" SELECT GRANULAR FOR SIDE STREETS AND PARKING LOTS  
4. ASSUMES A NEW TRAFFIC SIGNAL AT THE 12TH AVENUE AND BARENSCHEER BLVD INTERSECTIONS, AS WELL AS, SIGNAL MODIFICATIONS TO BOTH TH 160 RAMP.  
5. DOES NOT INCLUDE TEMPORARY TRAFFIC SIGNALS.  
6. INCLUDES AN ALLOCATION FOR ROCK EXCAVATION FOR UTILITY TRENCH EXCAVATION  
7. DOES NOT INCLUDE ANY RIGHT-OF-WAY COSTS.  
8. DOES NOT INCLUDE ANY COSTS FOR WETLAND MITIGATION CONSTRUCTION.  
9. DOES NOT INCLUDE NORTH POND CONSTRUCTION

Exhibit B

Preliminary Cost Estimate  
Based on 100% Plans  
All estimates subject to change

Scott County Local Cost Participation Policy		Minor Arterial CP 83-24				
		County	Shakopee	SPUC	MnDOT	Total
Federal Funding Eligible Construction Costs	Highway Improvements - Reconstruction/Expansion					
	Clearing Grubbing Contract	\$ 21,000.00	\$ 21,000.00			
	Total Hwy Imp Estimate*	\$10,150,239.00	\$10,150,239.00			
	Cost Participation Percentage	80%	20.00%			
	Total Hwy Imp Cost	\$8,136,991.20	\$2,034,247.80			\$10,171,239.00
	Traffic Signals & Intersection Improvements					
	EVP System B Estimate*	\$7,500.00	\$7,500.00			
	Cost Participation Percentage	50%	50%			
	EVP System B Cost	\$3,750.00	\$3,750.00			\$7,500.00
	Traffic Control Interconnect Estimate*	\$10,000.00	\$10,000.00			
	Cost Participation Percentage	90%	10%			
	Traffic Control Interconnect Cost	\$9,000.00	\$1,000.00			\$10,000.00
	Traffic Control Signal System B Estimate*	\$300,000.00	\$300,000.00			
	Cost Participation Percentage	50%	50%			
	Traffic Control Signal System B Cost	\$150,000.00	\$150,000.00			\$300,000.00
	Traffic Control Signal System C Estimate****	\$0.00	\$0.00		\$23,357.00	
	Cost Participation Percentage	0%	0%		100%	
	Traffic Control Signal System C Cost	\$0.00	\$0.00		\$23,357.00	\$23,357.00
	Total Traffic Signals & Intersection Improvements Cost	\$162,750.00	\$154,750.00	\$0.00	\$23,357.00	\$340,857.00
	Multi-Use Trails & Sidewalks					
Non-Eligible Costs Construction Costs	Total Trail, Sidewalk, ADA Estimates**	\$457,750.00	\$457,750.00			
	Cost Participation Percentage	48.00%	52.00%			
	Total Trail, Sidewalk, ADA Cost	\$220,662.50	\$237,087.50			\$457,750.00
	Total Federal Funding Eligible Construction Cost	\$8,520,403.70	\$2,426,085.30	\$0.00	\$23,357.00	\$10,969,846.00
	Federal Funding Allocation Percentage**	77.84%	22.16%			
	Federal Funding Allocation (using allocation %)	-\$4,779,650.44	-\$1,360,949.56			-\$6,140,600.00
	ESTIMATED TOTAL FEDERAL ELIGIBLE CONSTRUCTION COST	\$3,740,753.26	\$1,065,135.74	\$0.00	\$23,357.00	\$4,829,246.00
	Landscaping					
	Landscaping Estimate*	\$ 177,578.00	\$ 177,578.00			
	Cost Participation Percentage	50%	50%			
	Total Landscaping Cost	\$88,789.00	\$88,789.00			\$177,578.00
	Utilities					
	Utilities Estimate*		\$71,280.00	\$822,910.00		
	Cost Participation Percentage		100%	100%		
	Total Utilities Cost		\$71,280.00	\$822,910.00		\$894,190.00
	TIF Costs					
	TIF Estimate*		\$1,417,348.00			
	Cost Participation Percentage		100%			
	City TIF Cost		\$1,417,348.00			\$1,417,348.00
	City (12th Avenue) East of CH 83					
	City 12th Ave Estimate*		\$428,527.50			
	Cost Participation Percentage		100%			
	City 12th Ave Cost		\$428,527.50			\$428,527.50
	Estimated Total Non-Eligible Construction Cost	\$88,789.00	\$2,005,944.50	\$822,910.00	\$0.00	\$2,917,643.50
	Total Est. Fed Eligible + Est. Non-Eligible Construction Cost	\$3,829,542.26	\$3,071,080.24	\$822,910.00	\$23,357.00	\$7,746,889.50
Non-Eligible Other Costs	Right of Way					
	Total ROW Estimate	\$2,117,500.00	\$2,117,500.00			
	Cost Participation Percentage	55.00%	45.00%			
	Total ROW & Wetland Cost	\$1,164,625.00	\$952,875.00	\$0.00	\$0.00	\$2,117,500.00
	Engineering and Construction Engineering/Admin					
	Estimated Total Construction Costs Prior to Fed Funding **		\$4,432,029.80	\$822,910.00		
	Cost Participation Percentage		21.0%	5.0%		
	Total Engineering Cost	\$0.00	\$930,726.26	\$41,145.50		\$971,871.76
	Fiber					
	Cost Participation Percentage	100%				
	Total Fiber Cost	\$45,000.00				\$45,000.00
	Total Non Eligible Other Costs	\$1,209,625.00	\$1,883,601.26	\$41,145.50	\$0.00	\$3,134,371.76
Snapshot Summary		County	Shakopee	SPUC	MnDOT	Total
Total Federal Funding Eligible Construction Cost		\$8,520,403.70	\$2,426,085.30		\$23,357.00	\$10,969,846.00
Federal Funding Allocation		-\$4,779,650.44	-\$1,360,949.56			-\$6,140,600.00
ESTIMATED TOTAL FEDERAL ELIGIBLE CONSTRUCTION COST		\$3,740,753.26	\$1,065,135.74	\$0.00	\$23,357.00	\$4,829,246.00
Total Landscaping Cost		\$88,789.00	\$88,789.00			\$0.00
Total Utilities Cost			\$71,280.00	\$822,910.00		\$894,190.00
City TIF Cost			\$1,417,348.00			
City 12th Ave Cost			\$428,527.50			
Estimated Total Non-Eligible Construction Cost		\$88,789.00	\$2,005,944.50	\$822,910.00	\$0.00	\$2,917,643.50
Total Est. Fed Eligible + Est. Non-Eligible Construction Cost		\$3,829,542.26	\$3,071,080.24	\$822,910.00	\$23,357.00	\$7,746,889.50
Total ROW & Wetland Cost		\$1,164,625.00	\$952,875.00			\$2,117,500.00
Total Engineering Cost		\$0.00	\$930,726.26	\$41,145.50		\$971,871.76
Total Fiber Cost		\$45,000.00				\$45,000.00
PROJECT TOTAL COSTS		\$5,038,167.26	\$4,954,681.50	\$864,055.50	\$23,357.00	\$10,881,261.26


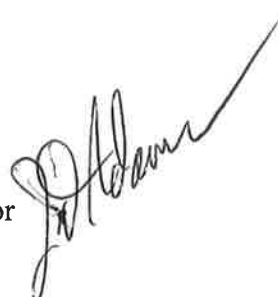
\*No Inflation or risk included  
\*\*Trail estimate based on 10' and 8' costs split  
\*\*\*Actual construction costs will change Federal allocation percentage  
\*\*\*\*MnDOT providing state furnished materials for Signal Systems C & D

Project Total with Fed Funding	\$17,021,861.26
City of Shakopee less TIF Costs	\$3,537,333.50





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Main 952.445-1988 • Fax 952.445-7767  
www.shakopeeutilities.com

TO: Greg Drent, General Manager   
FROM: Joseph D. Adams, Planning & Engineering Director   
SUBJECT: NES WTP Site Search Update  
DATE: October 13, 2022

#### ISSUE

Staff wishes to update the Commission on the status of the Normal Elevation Service District Water Treatment Plant site search.

#### BACKGROUND

The Commission direction to staff is to follow the Hybrid Water Treatment Plan described in their consultant's (Short Elliot Hendrickson – SEH) Inc. Water Treatment Plant Feasibility Study. The Hybrid plan would require the Commission to acquire a site large enough to develop a WTP for all the NES District water supply.

Per Commission direction staff has submitted the draft purchase agreement and the appraisal report on the 14.90-acre parcel located at 3690 Eagle Creek Boulevard to the property owners' representative. We are awaiting a reply to begin negotiations.

#### DISCUSSION

Staff received the appraisal report for the 3.5-acre parcel located at 3650 Eagle Creek Boulevard that is about to go on the market adjacent to the 14.90-acre parcel.

There may be economic advantages gained by acquiring both parcels that would result in a more efficient WTP design configuration and a larger area of higher value property that could be re-sold for development by another party.



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## REQUESTED ACTION

It may be appropriate for the Commission to adjourn to closed session to discuss negotiations on this potential land acquisition. If so, then the motion would be as follows:

Motion: I move that the Commission go into closed session under Minnesota Statutes, Section 13D.05, subdivision 3(c) to review confidential or protected nonpublic appraisal data and to develop or consider offers or counteroffers for the purchase of property described as 3690 Eagle Creek Boulevard and 3650 Eagle Creek Boulevard in Shakopee.



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TO: Greg Drent, General Manager *GD*  
FROM: Joseph D. Adams, Planning & Engineering Director *J. Adams*  
SUBJECT: Preliminary Capital Improvement Plan for 2023-2027  
DATE: October 13, 2022

#### ISSUE

The Preliminary Capital Improvement Plan for the five-year period 2023-2027 is submitted for review and discussion with the Commission at their October 17, 2022, meeting.

Staff has some questions and seeks direction from the Commission on the timing of a few of the larger capital projects in the plan.

Shakopee Public Utilities  
Capital Improvement Plan  
Preliminary  
Dated:10-17-22

Administrative Summary

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Item Description			Justification	2022 Carryover	2023	2024	2025	2026	2027
General Office Equipment			See detail	-	27,500	27,500	12,500	32,500	62,500
Hardware			See detail	-	212,200	173,555	112,275	112,275	189,478
Software			See detail	835,000	180,000	-	-	-	-
Total Administrative				\$ 835,000	\$ 419,700	\$ 201,055	\$ 124,775	\$ 144,775	\$ 251,978
Cumulative Total Administrative					\$ 1,254,700	\$ 1,455,755	\$ 1,580,530	\$ 1,725,305	\$ 1,977,283
			Electric		941,025	150,791	93,581	108,581	188,984
			Water		313,675	50,264	31,194	36,194	62,995

Shakopee Public Utilities  
Capital Improvement Plan  
Preliminary  
Dated: 10-17-22  
Administrative Detail

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Type	Item	Source of Request	Justification	Qty	Unit Cost	2022 Carryover	2023	2024	2025	2026	2027
Furn & Equipment	Work Station Configuration and Replacements	F&A - IT	Work Station Configuration and Replacements			-	15,000	-	-	-	10,000
Furn & Equipment	Miscellaneous Hardware	Building	Misc. Office equipment as needed			-	12,500	12,500	12,500	12,500	12,500
Furn & Equipment	Equipment Lockers- Shop Area	Building	Lockers and bench	15		-	-	15,000	-	-	-
Furn & Equipment	Electric Room Configuration - Cubicles	Electric	New furniture design and installation	5		-	-	-	-	20,000	-
Furn & Equipment	Commission Room Tables	Building	Conference room tables			-	-	-	-	-	40,000
Total General Office Equipment						-	27,500	27,500	12,500	32,500	62,500
Hardware	ICS Firewall	F&A - IT	Create network segmentation between IT/OT networks	1	2,500	-	2,500	-	-	-	-
Hardware	HPE Aruba AP Replacements	F&A - IT	Aruba Aps end of life need replacement	25	1,425	-	35,625	-	-	-	-
Hardware	HPE Storeonce Veeam Storage Expansion	F&A - IT	Local Veeam backup storage expansion		22,000	-	22,000	-	-	-	-
Hardware	Commission Room Meeting Room System	Building	Replacement of Commission Room Equipment to utilize IoT	1		-	10,800	-	-	-	-
Hardware	Plan/Eng Plotter Replacement	Plan/Eng	Plan/Eng HP plotter is 5 years old future replacement		10,000	-	10,000	-	-	-	-
Hardware	Fiber Ring /INET Connectivity	F&A - IT	Connectivity/Redundancy for systems/remote sites	21	7,100	-	37,275	37,275	37,275	37,275	-
Hardware	Miscellaneous Hardware	F&A - IT	Future planning/Unplanned replacements			-	75,000	75,000	75,000	75,000	75,000
Hardware	Network Switches	F&A - IT	Future Standard Replacement Cycle	5	7,600	-	19,000	12,667	-	-	29,478
Hardware	Cluster Headend Replacement	F&A - IT	Replace Cluster Nodes for server high availability/recovery	3	7,871	-	-	23,613	-	-	-
Hardware	Offsite NAS	F&A - IT	Offsite network attached storage for backup / replication	1	13,000	-	-	13,000	-	-	-
Hardware	Remit Plus Scanners - Payment Processing	Cust. Service	Scanner Replacements	3	4,000	-	-	12,000	-	-	-
Hardware	Firewall	F&A - IT	Replace product reaching end of life support			-	-	-	-	-	45,000
Hardware	SAN Replacement	F&A - IT	Replacement of SAN	1	40,000	-	-	-	-	-	40,000
Total Hardware						-	212,200	173,555	112,275	112,275	189,478
Software	Finance Software	F&A - IT	Dafron replacement software - NISC			835,000	165,000	-	-	-	-
Software	NOVA Software Modifications	Plan/Eng	NOVA Software- build a custom modification			-	15,000	-	-	-	-
Total Software						835,000	180,000	-	-	-	-
Total CIP Expenditures - Administration						835,000	419,700	201,055	124,775	144,775	251,978

**Shakopee Public Utilities  
Capital Improvement Plan  
Preliminary  
Dated: 10-17-22  
Electric Summary**

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Item Description	Justification	2022 Carryover	2023	2024	2025	2026	2027
<u>Operating Fund</u>							
<u>System Projects</u>							
Miscellaneous	See Detail	-	175,000	175,000	175,000	175,000	175,000
System Material & Facilities	See Detail	-	2,045,000	1,530,000	1,480,000	1,330,000	1,430,000
Vehicles/Equipment	See Detail	-	580,000	495,000	385,000	405,000	165,000
<u>Local Area Projects</u>							
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
Replace UG Cable Projects	See Detail	-	40,000	20,000	20,000	20,000	20,000
Rebuild OH Lines	See Detail	-	70,000	195,000	20,000	20,000	20,000
<u>Major System Projects</u>							
Feeder Extension Projects	See Detail	-	2,090,604	1,826,546	388,700	297,440	-
Convert OH to UG	See Detail	-	363,100	475,000	393,000	356,720	61,650
Territory Acquisition	See Detail	550,000	700,000	300,000	-	-	-
Shakopee Substation	See Detail	-	525,000	-	-	-	-
South Shakopee Substation	See Detail	-	35,000	60,000	-	-	-
Pike Lake Substation	See Detail	-	-	-	25,000	30,000	-
Dean Lake Substation	See Detail	-	25,000	-	-	-	-
East Shakopee Substation	See Detail	1,250,000	-	-	-	-	7,355,000
West Shakopee Substation	See Detail	5,607,000	38,380	589,000	200,000	-	-
Upgrade Projects	See Detail	43,264	220,000	245,000	230,000	255,000	240,000
<u>ADVANCED METERING INFRASTRUCTURE (AMI)</u>	See Detail	720,000	1,500,000	1,500,000	1,500,000	-	-
Service Center	See Detail	-	167,000	45,000	850,400	50,000	4,050,000
<b>Total Operating Fund</b>		<b>8,170,264</b>	<b>9,574,084</b>	<b>8,455,546</b>	<b>6,667,100</b>	<b>3,939,160</b>	<b>14,516,650</b>
<u>Relocation Fund</u>							
Relocation Projects	See Detail	-	186,600	180,000	60,000	65,000	65,000
<b>Total Relocation Fund</b>		<b>-</b>	<b>186,600</b>	<b>180,000</b>	<b>60,000</b>	<b>65,000</b>	<b>65,000</b>
<b>Total Electric</b>		<b>8,170,264</b>	<b>9,760,684</b>	<b>8,635,546</b>	<b>6,727,100</b>	<b>4,004,160</b>	<b>14,581,650</b>
<b>Cumulative Total Electric</b>		<b>8,170,264</b>	<b>17,930,948</b>	<b>26,566,494</b>	<b>33,293,594</b>	<b>37,297,754</b>	<b>51,879,404</b>

**Shakopee Public Utilities**  
**Capital Improvement Plan**  
**Preliminary**  
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**Electric Detail**

Item Description		Justification	2022 Carryover	2023	2024	2025	2026	2027
<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	DC Fast Charger (West Substation)	New Equipment	-	150,000	-	-	-	-
5	Lateral Circuit Reconfiguration	System Reliability	-	25,000	25,000	25,000	25,000	25,000
6	Meters	New Construction	-	350,000	350,000	250,000	150,000	150,000
7	Padmount Switches & Related	Load/Development	-	150,000	150,000	200,000	150,000	250,000
8	Distribution Transformers	Restock to min.	-	1,205,000	900,000	900,000	900,000	900,000
9	System Capacitors-Additional	PF Improvements	-	25,000	25,000	25,000	25,000	25,000
10	SCADA-Capacitor Control	Op. Efficiencies & Voltage Control	-	40,000	40,000	40,000	40,000	40,000
11	SCADA Switches for Tie Switches	System Reliability	-	100,000	40,000	40,000	40,000	40,000
12	<b>Total System Material &amp; Facilities</b>		-	<b>2,045,000</b>	<b>1,530,000</b>	<b>1,480,000</b>	<b>1,330,000</b>	<b>1,430,000</b>
13	<b>Vehicles/Equipment</b>							
14	Construction-Related Equipment-New/Additional/Replacement	Tool Replacement	-	45,000	45,000	45,000	45,000	45,000
15	#617 Duty Truck	Life Cycle Replacement		50,000	-	-	-	-
16	#637 Engineering Pick Up 4X4	Life Cycle Replacement	-	40,000	-	-	55,000	-
17	Dump Truck	New Equipment	-	150,000	-	-	-	-
18	Mini Skid Loader/Backhoe	Life Cycle Replacement	-	50,000	-	-	-	-
19	#610 F550 4x4 Service Truck	Life Cycle Replacement	-	175,000	-	-	-	-
20	Forklift	Life Cycle Replacement	-	30,000	-	-	-	-
21	#618 Duty Truck	Life Cycle Replacement	-	40,000	-	-	-	-
22	Digger Truck #612 Bucket	Life Cycle Replacement	-	-	300,000	-	-	-
23	#610 Service Buket Truck	Life Cycle Replacement	-	-	150,000	-	-	-
24	Air Compressor #628	Life Cycle Replacement	-	-	-	70,000	-	-
25	Directional Bore Equipment	New Equip for UG Construction		-	-	250,000	-	-
26	Equipment Trailer 30,000 lbs	Life Cycle Replacement	-	-	-	20,000	-	-
27	#631 Service Truck 4X4	Life Cycle Replacement	-	-	-	-	50,000	-
28	#633 Service Truck 4X4	New Equipment	-	-	-	-	50,000	-
29	Woodchipper	Life Cycle Replacement	-	-	-	-	55,000	-
30	Vac-Tron	Life Cycle Replacement	-	-	-	-	95,000	-
31	Skidsteer	Life Cycle Replacement	-	-	-	-	55,000	-
32	#627 4x4 Ext Cab Pickup	New Equipment	-	-	-	-	-	40,000
33	#645 4x4 Pickup	Life Cycle Replacement	-	-	-	-	-	40,000
34	3 Reel Trailer Wire	Life Cycle Replacement	-	-	-	-	-	40,000
35	<b>Total Vehicles/Equipment</b>		-	<b>580,000</b>	<b>495,000</b>	<b>385,000</b>	<b>405,000</b>	<b>165,000</b>
36								
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38	<b>Local Area Projects</b>							
39	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
40	<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>
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**Shakopee Public Utilities  
Capital Improvement Plan  
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Electric Detail**

	Item Description	Justification	2022 Carryover	2023	2024	2025	2026	2027
43	<b>Replace UG Cable Projects</b>							
44	Replace UG Cable - Projects Yet To Be Determined	As Needed	-	40,000	20,000	20,000	20,000	20,000
45	<b>Total Replace UG Cable Projects</b>		-	<b>40,000</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>
46								
47	<b>Rebuild OH Lines</b>							
48	SS-32 CR 15 @Hwy 169 Ramps 0.50 mile	Roundabout Impacts	-	50,000	-	-	-	-
49	Rebuild OH lines - as needed RP3	Change Out	-	20,000	20,000	20,000	20,000	20,000
50	CR78/CR69 Roundabout	Street Project	-	-	150,000	-	-	-
51	DL-52 Eagle Creek Blvd@Vierling Drive Roundabout	Street Project	-	-	25,000	-	-	-
52	<b>Total Rebuild OH Lines</b>		-	<b>70,000</b>	<b>195,000</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>
53								
54	<b>Major System Projects</b>							
55								
56	<b>Feeder Extension Projects</b>							
57	Dean Lake to BL Feeder tie 1.0 miles	Load Growth	-	263,120	-	-	-	-
58	Dean Lake Sub Exit Circuits 1.0 mile	Load Growth	-	228,800	-	-	-	-
59	WS-XX to Opus Project	Development	-	200,000	-	-	-	-
60	PL-76 to Southbridge	Loss of Blue Lake Circuits	-	263,120	-	-	-	-
61	SS-32 CR 16 Ext. from CR15 to CR69 1.25 mile	Street Project & Development	-	131,664	205,234	-	-	-
62	West Shakopee Substation Exit Circuits	Load Growth	-	604,000	520,000	-	-	-
63	DL-97 New Feeder DL Sub to Barenscheer Blvd 1.0 mile	Development (Canterbury Commons)	-	136,800	136,800	-	-	-
64	SS-84 New Feeder SS Sub to CR 17 via Stonebrooke 0.75 mile	Load Growth	-	-	102,700	102,700	-	-
65	DL-42 Feeder Extension to Data Center 1.0 mile	Load Growth (Data Center)	-	-	136,812	-	-	-
66	DL-9X to Valley Green Business Park	Loss of Blue Lake Circuits	-	-	250,000	-	-	-
67	WS-XX to Breegeman Parcel	Development	-	-	200,000	-	-	-
68	Projects Yet to be Determined 1.0 mile	As Necessary	-	263,100	275,000	286,000	297,440	-
69	<b>Total Feeder Extension Projects</b>		-	<b>2,090,604</b>	<b>1,826,546</b>	<b>388,700</b>	<b>297,440</b>	<b>-</b>
70								
71	Assumed Cost per mile unless noted otherwise		-	263,100	275,000	286,000	297,440	-
72			-	-	-	-	-	-
73	<b>Convert OH to UG</b>		-	-	-	-	-	-
74	Eagle Creek Blvd UG .50 miles West of Vierling (50/50 Split with City	Reliability	-	100,000	-	-	-	-
75	Eagle Creek Blvd UG .50 miles East of Vierling 100% SPU	Reliability	-	-	200,000	-	-	-
76	Muhlenhardt Undergrounding 0.75 mile	Reliability	-	-	-	50,000	-	-
77	Presidential OH to UG Conversion, 2 blocks per year, 40 customer/year	Reliability	-	-	-	57,000	59,280	61,650
78	<b>Total Convert OH to UG</b>		-	<b>363,100</b>	<b>475,000</b>	<b>393,000</b>	<b>356,720</b>	<b>61,650</b>
79								
80	<b>Territory Acquisition</b>							
81	Territory Acquisition	Consolidation	150,000	-	-	-	-	-
82	Territory Acquisition	Purchase systems/Integration	400,000	400,000	-	-	-	-
83	Territory Acquisition "build OH & UG to Asphalt Plant 1.0 miles"	Consolidation	-	250,000	-	-	-	-
84	Territory Acquisition - reinforce feeder network	Consolidation	-	50,000	300,000	-	-	-
85	<b>Total Territory Acquisition</b>		<b>550,000</b>	<b>700,000</b>	<b>300,000</b>	<b>-</b>	<b>-</b>	<b>-</b>
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**Shakopee Public Utilities  
Capital Improvement Plan  
Preliminary  
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Electric Detail**

	Item Description	Justification	2022 Carryover	2023	2024	2025	2026	2027
88	<b>Shakopee Substation</b>							
89	Land Rights	Load Growth/Downtown Re-development	-	500,000	-	-	-	-
90	Substation to County Fiber & Fiber Equipment	Safety	-	25,000	-	-	-	-
91	<b>Total Shakopee Substation</b>		-	<b>525,000</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	Substation to County Fiber & Fiber Equipment	Safety	-	-	25,000	-	-	-
96	Oil Change Out on Tap Changer (Transformer 2)	Maintenance/Extend Life of Tap Changer	-	-	35,000	-	-	-
97	<b>Total South Shakopee Substation</b>		-	<b>35,000</b>	<b>60,000</b>	-	-	-
98								
99	<b>Pike Lake Substation</b>							
100	Substation to County Fiber & Fiber Equipment	Safety	-	-	-	25,000	-	-
101	Oil Change Out on Tap Changer	Maintenance/Extend Life of Tap Changer	-	-	-	-	30,000	-
102	<b>Total Pike Lake Substation</b>		-	-	-	<b>25,000</b>	<b>30,000</b>	-
103								
104	<b>Dean Lake Substation</b>							
105	Substation to County Fiber & Fiber Equipment	Safety	-	25,000	-	-	-	-
106	<b>Total Dean Lake Substation</b>		-	<b>25,000</b>	-	-	-	-
107								
108	<b>East Shakopee Substation</b>							
109	Land Rights	Load Growth	1,250,000	-	-	-	-	-
110	Substation to County Fiber & Fiber Equipment	Safety	-	-	-	-	-	25,000
111	Planning/Design/Project Management	Load Growth	-	-	-	-	-	760,000
112	Construction	Load Growth	-	-	-	-	-	6,570,000
113	<b>Total East Shakopee Substation</b>		<b>1,250,000</b>	-	-	-	-	<b>7,355,000</b>
114								
115	<b>West Shakopee Substation</b>							
116	Construction	Load Growth	5,400,000	-	-	-	-	-
117	Planning/Design/Project Management	Load Growth	207,000	38,380	-	-	-	-
118	Substation to County Fiber & Fiber Equipment	Safety	-	-	25,000	-	-	-
119	UG Feeder/Exit Line going East	Load Growth	-	-	264,000	-	-	-
120	UG Feeder/Exit line going West to 169 & South to 41	Load Growth	-	-	300,000	-	-	-
121	WS - XX Feeder Extension West of OPUS Project	Development	-	-	-	200,000	-	-
122	<b>Total West Shakopee Substation</b>		<b>5,607,000</b>	<b>38,380</b>	<b>589,000</b>	<b>200,000</b>	-	-
123								
124	<b>Upgrade Projects</b>							
125	SH-08 Reconductoring 4th, Spencer, Fillmore, Somerville	Load Growth	43,264	-	-	-	-	-
126	Heritage Lateral Reconfiguraton	Safety	-	-	25,000	-	-	-
127	Milwaukee Court Laeral Reconfiguration	Safety	-	-	-	-	25,000	-
128	Projects yet to be determined	Load Growth	-	220,000	220,000	230,000	230,000	240,000
129	<b>Total Upgrade Projects</b>		<b>43,264</b>	<b>220,000</b>	<b>245,000</b>	<b>230,000</b>	<b>255,000</b>	<b>240,000</b>
130								
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	Item Description	Justification	2022 Carryover	2023	2024	2025	2026	2027
133	<b>ADVANCED METERING INFRASTRUCTURE (AMI)</b>							
134	Planning/Design/Project Management	Project Planning/Design	120,000	-	-	-	-	-
135	Construction/Implementation/Hardware/Software/Training	Customer Service	600,000	1,500,000	1,500,000	1,500,000	-	-
136	<b>Total ADVANCED METERING INFRASTRUCTURE (AMI)</b>		<b>720,000</b>	<b>1,500,000</b>	<b>1,500,000</b>	<b>1,500,000</b>	<b>-</b>	<b>-</b>
137								
138	<b>Service Center</b>							
139	Facilities Exterior Main Door Replacement	Mainteance	-	20,000	-	-	-	-
140	Display Case Office	Marketing	-	10,000	-	-	-	-
141	Service Center to County Fiber	Safety	-	25,000	-	-	-	-
142	Garage Heaters	Maintenance	-	30,000	-	-	-	-
143	Parking Lot - SPU - Chip Seal	Maintenance	-	37,000	-	-	-	-
144	Miscellaneous Building Improvements/Replacements	Maint. & Requested Changes	-	45,000	45,000	50,000	50,000	50,000
145	Facility Roof Replacement	Maintenance	-	-	-	800,400	-	-
146	Building Expansion Office	Staff Additions	-	-	-	-	-	4,000,000
147	<b>Total Service Center</b>		<b>-</b>	<b>167,000</b>	<b>45,000</b>	<b>850,400</b>	<b>50,000</b>	<b>4,050,000</b>
148								
149	<b>Total Operating Fund</b>		<b>8,170,264</b>	<b>9,574,084</b>	<b>8,455,546</b>	<b>6,667,100</b>	<b>3,939,160</b>	<b>14,516,650</b>
150								
151	<b><u>Relocation Fund</u></b>							
152	<b>Relocation Projects</b>							
153	SS-32 CR 15 & Hwy 169 Ramps 0.50 mile	Roundabout Impacts	-	131,600	-	-	-	-
154	CR78/CR69 Roundabout	Roundabout Impacts	-	-	60,000	-	-	-
155	DL-52 Eagle Creek Blvd@Vierling Drive Roundabout	Street Project	-	-	60,000	-	-	-
156	Projects Yet to Be Determined 0.50 Ckt. mile	As Necessary	-	55,000	60,000	60,000	65,000	65,000
157	<b>Total Relocation Projects</b>		<b>-</b>	<b>186,600</b>	<b>180,000</b>	<b>60,000</b>	<b>65,000</b>	<b>65,000</b>
158								
159	<b>Total Relocation Fund</b>		<b>-</b>	<b>186,600</b>	<b>180,000</b>	<b>60,000</b>	<b>65,000</b>	<b>65,000</b>
160								
161	<b>Total Electric</b>		<b>8,170,264</b>	<b>9,760,684</b>	<b>8,635,546</b>	<b>6,727,100</b>	<b>4,004,160</b>	<b>14,581,650</b>

**Shakopee Public Utilities**  
**Capital Improvement Plan**  
**Preliminary**  
**Dated: 10-17-22**  
**Water Summary**

	Item Description	Justification	2022 Carryover	2023	2024	2025	2026	2027
	<u>Operating Fund</u>							
1	Miscellaneous	See Detail	35,000	620,000	320,000	285,000	285,000	310,000
2	System Upgrades	See Detail	28,000	135,000	2,135,000	2,195,000	15,000	15,000
3	ADVANCED METERING INFRASTRUCTURE (AMI)	See Detail	76,701	1,500,000	1,500,000	1,500,000	-	-
4	Vehicles/Equipment	See Detail	71,000	94,000	-	47,000	94,000	-
5								
6	<b>Total Operating Fund</b>		<b>210,701</b>	<b>2,349,000</b>	<b>3,955,000</b>	<b>4,027,000</b>	<b>394,000</b>	<b>325,000</b>
7								
8	<u>Reconstruction Fund</u>							
9	Reconstruction Projects	See Detail	165,000	120,000	165,000	115,000	65,000	2,055,000
10								
11	<b>Total Reconstruction Fund</b>		<b>165,000</b>	<b>120,000</b>	<b>165,000</b>	<b>115,000</b>	<b>65,000</b>	<b>2,055,000</b>
12								
13	<u>Trunk Fund</u>							
14	Trunk Water Mains - SPUC Projects	See Detail	2,225,000	325,000	25,000	25,000	25,000	-
15	Over Sizing - Non-SPUC Projects	See Detail	171,395	1,928,250	375,000	315,000	500,000	-
16								
17	<b>Total Trunk Fund</b>		<b>2,396,395</b>	<b>2,253,250</b>	<b>400,000</b>	<b>340,000</b>	<b>525,000</b>	<b>-</b>
18								
19	<u>Connection Fund</u>							
20	Wells	See Detail	10,000	220,000	860,600	125,000	948,800	-
21	Water Treatment	See Detail	1,900,000	6,850,000	1,000,000	500,000	500,000	500,000
22	Pump House Additions/Expansions	See Detail	68,000	2,510,500	7,615,000	3,950,000	10,100,000	18,840,000
23	New Tanks and Transmission Water Main	See Detail	90,000	150,000	3,000,000	-	-	-
24	Booster Stations	See Detail	-	385,000	500,000	2,000,000	-	-
25	Auxiliary Facilities	See Detail	-	145,000	28,000	28,000	28,000	-
26								
27	<b>Total Connection Fund</b>		<b>2,068,000</b>	<b>10,260,500</b>	<b>13,003,600</b>	<b>6,603,000</b>	<b>11,576,800</b>	<b>19,340,000</b>
28								
29	<b>Total Water</b>		<b>4,840,096</b>	<b>14,982,750</b>	<b>17,523,600</b>	<b>11,085,000</b>	<b>12,560,800</b>	<b>21,720,000</b>
30								
31	<b>Cumulative Total Water</b>		<b>4,840,096</b>	<b>19,822,846</b>	<b>37,346,446</b>	<b>48,431,446</b>	<b>60,992,246</b>	<b>82,712,246</b>

**Shakopee Public Utilities  
Capital Improvement Plan  
Preliminary  
Dated: 10-17-22  
Water Detail**

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Item Description	Justification	2022 Carryover	2023	2024	2025	2026	2027
<b><u>Operating Fund</u></b>							
<b>Miscellaneous</b>							
Interconnection w/Savage Metering & Value in Manhole put in Trunk	Development	25,000	-	-	-		-
CSAH 16 CIF 22-006 Trail Extension	Trail Extension	10,000	-	-	-	-	
Emerency Power Generaton Conversion @ Riverview Booster Station	Extended Sustainability		325,000	-	-	-	-
Chemical Feed Improvements	Safety/Enhanced Accuracy	-	35,000	35,000	-	-	-
Water Meters	PM/Development	-	150,000	175,000	175,000	175,000	200,000
Reservoir Maintenance	Preventative Maintenance	-	50,000	50,000	50,000	50,000	50,000
Power Wash Towers	Preventative Maintenance	-	20,000	20,000	20,000	20,000	20,000
Hydrant Replacement	As Needed	-	40,000	40,000	40,000	40,000	40,000
<b>Total Miscellaneous</b>		<b>35,000</b>	<b>620,000</b>	<b>320,000</b>	<b>285,000</b>	<b>285,000</b>	<b>310,000</b>
<b>System Upgrades</b>							
SCADA Firmware Upgrades	Water System Reliability	28,000	-	-	-		-
Recoat Reservoir #3 Canterbury Road	Preventative Maintenance	-	20,000	2,000,000	-	-	-
Fiber Hardware	AMI and SCADA for 4 tanks	-	100,000	100,000	100,000	-	-
Miscellaneous Equipment	As Needed	-	15,000	15,000	15,000	15,000	15,000
Recoat Reservoir #4 Dominion Ave	Preventative Maintenance	-	-	20,000	2,080,000	-	-
<b>Total System Upgrades</b>		<b>28,000</b>	<b>135,000</b>	<b>2,135,000</b>	<b>2,195,000</b>	<b>15,000</b>	<b>15,000</b>
<b>Advanced Metering Infrastructure (AMI)</b>							
Planning/Design/Project Management	Project Planning/Design	76,701	-	-	-	-	
Construction/Implementation/Hardware/Software/Training	Customer Service	-	1,500,000	1,500,000	1,500,000	-	
<b>Total Advanced Metering Infrastructure (AMI)</b>		<b>76,701</b>	<b>1,500,000</b>	<b>1,500,000</b>	<b>1,500,000</b>	<b>-</b>	<b>-</b>
<b>Vehicles/Equipment</b>							
Replace Truck #635 (2006)	Life Cycle Replacement	71,000	-	-	-	-	-
Replace Truck #615 (2012)	Life Cycle Replacement	-	47,000	-	-	-	-
Replace Truck #622 (2011)	Life Cycle Replacement	-	47,000	-	-	-	-
Replace Truck #630 (2014)	Life Cycle Replacement	-	-	-	47,000	-	-
Replace Truck #626 (2015)	Life Cycle Replacement	-	-	-	-	47,000	-
Replace Truck #634 (2015)	Life Cycle Replacement	-	-	-	-	47,000	-
<b>Total Vehicles/Equipment</b>		<b>71,000</b>	<b>94,000</b>	<b>-</b>	<b>47,000</b>	<b>94,000</b>	<b>-</b>
<b>Total Operating Fund</b>		<b>210,701</b>	<b>2,349,000</b>	<b>3,955,000</b>	<b>4,027,000</b>	<b>394,000</b>	<b>325,000</b>
<b><u>Reconstruction Fund</u></b>							
<b>Reconstruction</b>							
18" Recon CR 83 from VIBS to HWY 169 0.75 mile	County Project	165,000	-	-	-	-	-
Bituminous Overlay	City CIP	-	30,000	35,000	30,000	20,000	-
Correct Deficient Services	As Needed	-	80,000	80,000	80,000	40,000	40,000
Full-Depth Pavement Reconstruction	City CIP	-	10,000	50,000	5,000	5,000	15,000
Water Main Reconstruction	City Street Recon	-	-	-	-	-	2,000,000
<b>Total Reconstruction</b>		<b>165,000</b>	<b>120,000</b>	<b>165,000</b>	<b>115,000</b>	<b>65,000</b>	<b>2,055,000</b>
<b>Total Recontruction Fund</b>		<b>165,000</b>	<b>120,000</b>	<b>165,000</b>	<b>115,000</b>	<b>65,000</b>	<b>2,055,000</b>

Shakopee Public Utilities  
Capital Improvement Plan  
Preliminary  
Dated: 10-17-22  
Water Detail

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Item Description	Justification	2022 Carryover	2023	2024	2025	2026	2027
<b>Trunk Fund</b>							
<b>Trunk Water Mains - SPU Projects (Completed by SPU)</b>							
12" WM West of Windermere parallel to Hwy 169 0.75 mile 1-HES	Development	1,000,000	-	-	-	-	-
12" WM 13th Ave, Maras St, Hansen Ave, Stagecoach Road	Development	1,200,000	300,000	-	-	-	-
Projects to be determined		25,000	25,000	25,000	25,000	25,000	-
<b>Total Trunk Water Mains - SPU Projects</b>		<b>2,225,000</b>	<b>325,000</b>	<b>25,000</b>	<b>25,000</b>	<b>25,000</b>	<b>-</b>
<b>Over Sizing - Non-SPU Projects (Completed by Others)</b>							
16" WM East from Monarch Estates parallel to 17th Ave to CR 83 0.875 miles	Development	171,395	178,250	-	-	-	-
12" WM CR 16 from CR 15 west to CR 69 - 0.25 mile/segment 2-HES	Development/City Project/Scott County	-	180,000	-	-	-	-
12" WM Parallel to CR 69 South from Vierling Drive 0.75 mile NES	Development	-	120,000	-	-	-	-
12" WM Thrush Street from CR 83 to 0.25 mile West 1- HES	Development	-	60,000	-	-	-	-
12" WM CR 83 from Thrush Street to 0.50 mile north and south 1-HES	Development	-	120,000	-	-	-	-
12" WM Vierling Drive West from CR 69 0.25 mile NES	Development	-	60,000	-	-	-	-
12" WM South of Valley View Road @ Independence 0.50 mile (Hauer) 1-HES	Development	-	120,000	-	-	-	-
12" WM West of CR 69 thru area B 0.75 miles 2-HES	Development	-	240,000	-	-	-	-
12" WM from Tank #9 east 0.5 miles	Development	-	750,000	-	-	-	-
12" WM West of CR 69 thru area B 1.0 miles 1-HES	Development	-	-	250,000	-	-	-
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	-	-	-
16" WM Krystal Addition to CR 79 (800 ft) NES	Development	-	-	-	185,000	-	-
16" WM on Stagecoach Rd from Eagle Creek Preserve to Hansen Ave .025 miles	Development	-	-	-	130,000	-	-
16" WM South of Countryside parallel to CR 15 .05 miles	Development	-	-	-	-	500,000	-
Projects to be determined		-	100,000	-	-	-	-
<b>Total Over Sizing - Non-SPU Projects</b>		<b>171,395</b>	<b>1,928,250</b>	<b>375,000</b>	<b>315,000</b>	<b>500,000</b>	<b>-</b>
<b>Total Trunk Fund</b>		<b>2,396,395</b>	<b>2,253,250</b>	<b>400,000</b>	<b>340,000</b>	<b>525,000</b>	<b>-</b>
<b>Connection Fund</b>							
<b>Wells</b>							
2-HES Jordan Well #23 @ Tank #8 Site	Development	10,000	-	-	-	-	-
Observation Well TBD	Monitoring	-	130,000	-	-	-	-
Jordan Well #24 Submersible @ Tank #8 Site	Development	-	90,000	860,600			
1-HES Jordan Well #22 @ Church Addition	Development	-	-	-	125,000	948,800	-
<b>Total Wells</b>		<b>10,000</b>	<b>220,000</b>	<b>860,600</b>	<b>125,000</b>	<b>948,800</b>	<b>-</b>
<b>Water Treatment</b>							
Land Rights	Development	1,900,000	6,350,000				
Raw Watermain	Water Quality	-	500,000	1,000,000	500,000	500,000	500,000
<b>Total Water Treatment</b>		<b>1,900,000</b>	<b>6,850,000</b>	<b>1,000,000</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>
<b>Pump House Additions/Expansions</b>							
2-HES Pump House 23 @ Tank #8 Site (includes landscaping for tank #8)	Development	68,000	2,310,500	225,000	-	-	-
Control House for Well #24	Development	-	100,000	3,640,000	-	-	-
Pumphouse #4 Demolition / Wells 4 and 5 sealing	Safety	-	100,000	-	-	-	200,000
Pumphouse #6 Grad Change & Backp Generation	Water Supply	-	-	110,000	3,700,000	-	-

Shakopee Public Utilities  
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Item Description	Justification	2022 Carryover	2023	2024	2025	2026	2027
PH#2 Conversion to Control House and raw watermain to PH#3	Safety/Water Treatment	-	-	3,640,000	-	-	-
PFAS et al Treatment Plant	Development	-	-	-	250,000	10,000,000	15,000,000
NES PumpHouse for Well #22 (Church Addition)	Development	-	-	-	-	100,000	3,640,000
Total Pump House Additions/Expansions		68,000	2,510,500	7,615,000	3,950,000	10,100,000	18,840,000
New Tanks and Transmission Water Main							
2-HES District Storage (0.5 MG, Elevated Tank #9) @ Wood Duck Trail	Development	80,000	100,000	3,000,000	-	-	-
2-HES District Storage (0.75 MG, Elevated Tank #8) @ LaTour Terrace	Development	10,000	50,000	-			
Total New Tanks and Transmission Water Main		90,000	150,000	3,000,000	-	-	-
Booster Stations							
Inline Booster Station Site @ Foothill Road and Horizon Drive	Development	-	385,000	400,000	-	-	-
IHES to 2HES Boster Station @ Foothill/Horizon	Development	-	-	100,000	2,000,000	-	-
Total Booster Stations		-	385,000	500,000	2,000,000	-	-
Auxiliary Facilities							
Fill Station Design and Construction	Expanded Water Service to Contractors	-	85,000	-			
Normal Zone Elevated Tank Altitude Valves	Pressure Control	-	60,000	-	-	-	-
Pressure Reducing Valve - 2-HES to 1-HES @ CR 69	Development	-	-	28,000	-	-	-
Pressure Reducing Valve - 2-HES to 1-HES @ CR 78	Development	-	-	-	28,000	-	-
Pressure Reducing Valve - 1-HES to NES on Hwy 169	Development	-	-	-	-	28,000	-
Total Auxiliary Facilities		-	145,000	28,000	28,000	28,000	-
Total Connection Fund		2,068,000	10,260,500	13,003,600	6,603,000	11,576,800	19,340,000
Total Water		4,840,096	14,982,750	17,523,600	11,085,000	12,560,800	21,720,000