

**Shakopee Public Utilities
Capital Improvement Plan
Final**

Dated: 12/02/24

Administrative Summary

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| Item Description | Justification | 2025 | 2026 | 2027 | 2028 | 2029 |
|--|---------------|-------------------|-------------------|-------------------|---------------------|---------------------|
| Equipment | See detail | 37,500 | 32,500 | 62,500 | 125,000 | - |
| Hardware | See detail | 313,275 | 152,275 | 149,500 | 100,000 | 252,000 |
| Software | See detail | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 |
| Total Administrative | | \$ 365,775 | \$ 199,775 | \$ 227,000 | \$ 240,000 | \$ 267,000 |
| Cumulative Total Administrative | | \$ 365,775 | \$ 565,550 | \$ 792,550 | \$ 1,032,550 | \$ 1,299,550 |
| | Electric | 274,331 | 149,831 | 170,250 | 180,000 | 200,250 |
| | Water | 91,444 | 49,944 | 56,750 | 60,000 | 66,750 |

**Shakopee Public Utilities
Capital Improvement Plan
Final
Dated: 12/02/24
Administrative Detail**

| Type | Item | Source of Request | Justification | Qty | Unit Cost | 2025 | 2026 | 2027 | 2028 | 2029 |
|------|--|---|---------------|---|-----------|----------------|----------------|----------------|----------------|----------------|
| 1 | Furn & Equipment | Work Station Configuration and Replacements | F&A - IT | Work Station Configuration and Replacements | | 25,000 | - | 10,000 | - | - |
| 2 | Furn & Equipment | Miscellaneous Hardware | Building | Misc. Office equipment as needed | | 12,500 | 12,500 | 12,500 | 125,000 | - |
| 3 | Furn & Equipment | Equipment Lockers - Shop Area | Building | Lockers and bench | 15 | - | - | - | - | - |
| 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 | Total Equipment | | | | | 37,500 | 32,500 | 62,500 | 125,000 | - |
| 7 | Hardware | HPE Aruba AP Replacements | F&A - IT | Aruba Aps end of life need replacement | 25 | 1,425 | - | - | - | 35,000 |
| 8 | Hardware | HPE Storeonce Veeam Storage Expansion | F&A - IT | Local Veeam backup storage expansion | | 22,000 | 22,000 | - | - | 25,000 |
| 9 | Hardware | Commission Room Meeting Room System | Building | Replacement of Commission Room Equipment to utilize IoT | 1 | 15,000 | 40,000 | - | - | - |
| 10 | Hardware | Plan/Eng Plotter Replacement | Plan/Eng | Plan/Eng HP plotter is 5 years old future replacement | | 10,000 | - | - | - | 12,000 |
| 11 | Hardware | Fiber Ring /INET Connectivity | F&A - IT | Connectivity/Redundancy for systems/remote sites | 21 | 7,100 | 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 | 20,000 | - | 29,500 | 30,000 |
| 14 | Hardware | Cluster Headend Replacement | F&A - IT | Replace Cluster Nodes for server high availability/recovery | 3 | 7,871 | 24,000 | - | - | - |
| 15 | Hardware | Offsite NAS | F&A - IT | Offsite network attached storage for backup / replication | 1 | 13,000 | - | - | - | - |
| 16 | Hardware | CISA - Albert Network Monitor | F&A - IT | Security Hardware and Monitoring Service | | 20,000 | - | - | - | - |
| 17 | Hardware | Remit Plus Scanners - Payment Processing | Cust. Service | Scanner Replacements | 3 | 4,000 | - | - | - | - |
| 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 | 2 | 100,000 | - | - | - | 100,000 |
| 20 | Total Hardware | | | | | 313,275 | 152,275 | 149,500 | 100,000 | 252,000 |
| 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 | MNSec | F&A - IT | IT Security Consultant | | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 |
| 24 | Total Software | | | | | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 |
| 25 | Total CIP Expenditures - Administration | | | | | 365,775 | 199,775 | 227,000 | 240,000 | 267,000 |

**Shakopee Public Utilities
Capital Improvement Plan
Final
Date: 12/02/24
Electric Summary**

| Item Description | Justification | 2025 | 2026 | 2027 | 2028 | 2029 |
|--|---------------|------------------|-------------------|-------------------|-------------------|-------------------|
| Operating Fund | | | | | | |
| System Projects | | | | | | |
| Miscellaneous | See Detail | 175,000 | 175,000 | 175,000 | 175,000 | 175,000 |
| System Material & Facilities | See Detail | 2,065,000 | 1,965,000 | 3,595,000 | 1,915,000 | 1,915,000 |
| Vehicles/Equipment | See Detail | 796,000 | 435,000 | 585,000 | 250,000 | 631,800 |
| Local Area Projects | | | | | | |
| 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 | 40,000 | 40,000 | 40,000 | 50,000 |
| Rebuild OH Lines | See Detail | 220,000 | 887,000 | 20,000 | 25,000 | 25,000 |
| Major System Projects | | | | | | |
| Feeder Extension Projects | See Detail | 2,011,500 | 1,697,440 | 1,395,363 | 769,618 | 435,363 |
| Convert OH to UG | See Detail | 407,000 | 59,280 | 61,650 | 64,100 | 66,600 |
| Territory Acquisition | See Detail | 260,000 | - | - | - | - |
| Shakopee Substation | See Detail | 500,000 | - | - | - | - |
| South Shakopee Substation | See Detail | 95,000 | - | - | - | - |
| Pike Lake Substation | See Detail | 85,000 | - | 35,000 | - | - |
| Dean Lake Substation | See Detail | 60,000 | - | - | - | - |
| East Shakopee Substation | See Detail | 687,000 | - | 6,748,000 | - | - |
| West Shakopee Substation | See Detail | 250,000 | - | - | 6,163,000 | - |
| Upgrade Projects | See Detail | 455,000 | 305,000 | 290,000 | 240,000 | 240,000 |
| Advance Metering Infrastructure (AMI) | See Detail | 336,301 | - | - | - | - |
| Service Center | See Detail | 100,000 | 80,000 | 850,400 | 4,050,000 | 50,000 |
| Total Operating Fund | | 9,542,801 | 6,643,720 | 14,795,413 | 14,691,718 | 4,588,763 |
| Relocation Fund | | | | | | |
| Relocation Projects | See Detail | 396,864 | 565,000 | 65,000 | 65,000 | - |
| Total Relocation Fund | | 396,864 | 565,000 | 65,000 | 65,000 | - |
| Total Electric | | 9,939,665 | 7,208,720 | 14,860,413 | 14,756,718 | 4,588,763 |
| Cumulative Total Electric | | 9,939,665 | 17,148,385 | 32,008,798 | 46,765,516 | 51,354,279 |

**Shakopee Public Utilities
Capital Improvement Plan
Final
Date: 12/02/24
Electric Detail**

| Item Description | Justification | 2025 | 2026 | 2027 | 2028 | 2029 |
|--|------------------------------------|------------------|------------------|------------------|------------------|------------------|
| Operating Fund | | | | | | |
| System Projects | | | | | | |
| 1 Miscellaneous | As Necessary | 175,000 | 175,000 | 175,000 | 175,000 | 175,000 |
| 2 Total Miscellaneous | | 175,000 | 175,000 | 175,000 | 175,000 | 175,000 |
| 3 System Material & Facilities | | | | | | |
| 4 Lateral Circuit Reconfiguration | System Reliability | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 |
| 5 Meters | New Construction | 250,000 | 150,000 | 150,000 | 150,000 | 150,000 |
| 6 Padmount Switches & Related | Load/Development | 700,000 | 700,000 | 700,000 | 700,000 | 700,000 |
| 7 Distribution Transformers | Restock to min. | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 |
| 8 SCADA Switches for Tie Switches | System Reliability | 40,000 | 40,000 | 40,000 | 40,000 | 40,000 |
| 9 SCADA-Capacitor Control | Op. Efficiencies & Voltage Control | 50,000 | 50,000 | 150,000 | - | - |
| 10 System Capacitors-Additional (P11) | PF Improvements | - | - | 1,530,000 | - | - |
| 11 Total System Material & Facilities | | 2,065,000 | 1,965,000 | 3,595,000 | 1,915,000 | 1,915,000 |
| 12 Vehicles/Equipment | | | | | | |
| 13 Construction-Related Equipment-New/Additional/Replacement | Tool Replacement | 45,000 | 45,000 | 45,000 | 45,000 | 46,800 |
| 14 Digger Truck #612 | Life Cycle Replacement | 525,000 | - | - | - | - |
| 15 Air Compressor #628 | Life Cycle Replacement | 70,000 | - | - | - | - |
| 16 Equipment Trailer 30,000 lbs. | Life Cycle Replacement | 40,000 | - | - | - | - |
| 17 Equipment trailer 16K | Life Cycle Replacement | 25,000 | - | - | - | - |
| 18 Service Truck 4x4 | New Equipment | 80,000 | - | - | - | - |
| 19 Locator | Life Cycle Replacement | 11,000 | - | - | - | - |
| 20 #631 Service Truck 4X4 | Life Cycle Replacement | - | 80,000 | - | - | - |
| 21 #633 Service Truck 4X4 | New Equipment | - | 80,000 | - | - | - |
| 22 Woodchipper | Life Cycle Replacement | - | 55,000 | - | - | - |
| 23 Vac-Tron | Life Cycle Replacement | - | 95,000 | - | - | - |
| 24 Skidsteer | Life Cycle Replacement | - | 80,000 | - | - | - |
| 25 #6XX 4x4 Pickup | New Equipment | - | - | 75,000 | - | - |
| 26 #613 4x4 Dump truck | Life Cycle Replacement | - | - | 75,000 | - | - |
| 27 #627 4x4 Ext Cab Pickup | Life Cycle Replacement | - | - | 50,000 | - | - |
| 28 #645 4x4 Pickup | Life Cycle Replacement | - | - | 50,000 | - | - |
| 29 3 Reel Trailer Wire | Life Cycle Replacement | - | - | 40,000 | - | - |
| 30 Directional Bore Equipment | New Equip for UG Construction | - | - | 250,000 | - | - |
| 31 Dump Trailer | Life Cycle Replacement | - | - | - | 20,000 | - |
| 32 #646 4x4 Crew Cab Truck | Life Cycle Replacement | - | - | - | 50,000 | - |
| 33 #632 Service body 1 ton Truck | Life Cycle Replacement | - | - | - | 80,000 | - |
| 34 #642 1ton Dump Truck | Life Cycle Replacement | - | - | - | 55,000 | - |
| 35 #611 F550 4x4 Service Bucket | Life Cycle Replacement | - | - | - | - | 225,000 |
| 36 Tilt Trailer | Life Cycle Replacement | - | - | - | - | 20,000 |
| 37 40000 lbs. trailer | Life Cycle Replacement | - | - | - | - | 30,000 |
| 38 Trencher | Life Cycle Replacement | - | - | - | - | 250,000 |
| 39 #621 Pickup Truck | Life Cycle Replacement | - | - | - | - | 60,000 |
| 40 Total Vehicles/Equipment | | 796,000 | 435,000 | 585,000 | 250,000 | 631,800 |

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Date: 12/02/24
Electric Detail**

| Item Description | Justification | 2025 | 2026 | 2027 | 2028 | 2029 |
|--|----------------------------------|------------------|------------------|------------------|------------------|------------------|
| Local Area Projects | | | | | | |
| Total New UG Cables & Related Cost (Net of Contribution) | | | | | | |
| 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 |
| Total New UG Cables & Related Cost (Net of Contribution) | | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 |
| Replace UG Cable Projects | | | | | | |
| Replace UG Cable - Projects Yet To Be Determined | As Needed | 40,000 | 40,000 | 40,000 | 40,000 | 50,000 |
| Total Replace UG Cable Projects | | 40,000 | 40,000 | 40,000 | 40,000 | 50,000 |
| Rebuild OH Lines | | | | | | |
| SS-32 CR 15 @Hwy 169 Ramps 0.50 mile Roundabout | Street Project | 125,000 | - | - | - | - |
| BL-22 Stagecoach Road from Hentges Circle to Hanson Ave | Street/Trail Project | 50,000 | - | - | - | - |
| Rewire/rebuild MVEC circuits to SPU standards (P5) | Upgrade | 25,000 | 525,000 | - | - | - |
| SS-31 South of CR 42 South | County Road Project | - | 50,000 | - | - | - |
| CR78/79 Roundabout | Street Project | - | 100,000 | - | - | - |
| Re-conductor PL-74 along CR 16 to 336 AAC from PL Road to Foodhill Trail(P8) | Upgrade Project | - | 192,000 | - | - | - |
| Rebuild OH lines - as needed RP3 | Change Out | 20,000 | 20,000 | 20,000 | 25,000 | 25,000 |
| Total Rebuild OH Lines | | 220,000 | 887,000 | 20,000 | 25,000 | 25,000 |
| Major System Projects | | | | | | |
| Feeder Extension Projects | | | | | | |
| Express Feeder Tie South Shakopee to Shakopee Substation (P4/P7) | Reliability | 200,000 | 833,333 | - | - | - |
| DL-91 New Feeder DL Sub to Unbridled Ave (P9) | Development (Canterbury Commons) | 284,500 | 150,000 | - | - | - |
| West Shakopee Substation Feeder Circuits (P5) | Load Growth | 628,000 | - | - | - | - |
| Dean Lake Sub Feeder Circuits | Load Growth | 238,000 | - | - | - | - |
| PL-76 to Southbridge | Loss of Blue Lake Circuits | 275,000 | - | - | - | - |
| Express Feeder Tie West Shakopee to Shakopee Substation (P4/P7) | Reliability | 100,000 | 416,667 | - | - | - |
| WS-03 to West of CR 69 (P10) | Load Growth | - | - | 710,000 | - | - |
| WS-04 South of CR 69 to East on 17th Ave (P13) | Load Growth | - | - | 379,000 | - | - |
| SS-84 New Feeder SS Sub to CR 17 via Stonebrooke (P16) | Load Growth | - | - | - | 277,000 | - |
| WS-12 to Breeggemann Parcel north of Fluff (P18) | Development | - | - | - | 174,000 | - |
| WS-13 to serve load west of 169 (P19) | Load Growth | - | - | - | - | 104,000 |
| Projects Yet to be Determined 1.0 mile | As Necessary | 286,000 | 297,440 | 306,363 | 318,618 | 331,363 |
| Total Feeder Extension Projects | | 2,011,500 | 1,697,440 | 1,395,363 | 769,618 | 435,363 |
| Convert OH to UG | | | | | | |
| Eagle Creek Blvd between Hauer Trail & Vierling Roundabout | Reliability | 300,000 | - | - | - | - |
| Muhlenhardt Undergrounding from CR18 to CR16 | Reliability | 50,000 | - | - | - | - |
| Residential OH to UG Conversion, 2 blocks per year, 40 customer/year | Reliability | 57,000 | 59,280 | 61,650 | 64,100 | 66,600 |
| Total Convert OH to UG | | 407,000 | 59,280 | 61,650 | 64,100 | 66,600 |
| Territory Acquisition | | | | | | |
| Territory Acquisition "build OH & UG to Asphalt Plant 1.0 miles" | Consolidation | 260,000 | - | - | - | - |
| Total Territory Acquisition | | 260,000 | - | - | - | - |

**Shakopee Public Utilities
Capital Improvement Plan
Final
Date: 12/02/24
Electric Detail**

| Item Description | Justification | 2025 | 2026 | 2027 | 2028 | 2029 |
|---|--|----------------|----------------|------------------|------------------|----------------|
| 84 Shakopee Substation | | | | | | |
| 85 Land Rights | Load Growth/Downtown Re-development | 500,000 | - | - | - | - |
| 86 Total Shakopee Substation | | 500,000 | - | - | - | - |
| 87 South Shakopee Substation | | | | | | |
| 88 Replace A/C unit in switch house 2 | Maintenance | 20,000 | - | - | - | - |
| 89 Substation to County Fiber & Fiber Equipment | Safety | 75,000 | - | - | - | - |
| 90 Total South Shakopee Substation | | 95,000 | - | - | - | - |
| 91 Pike Lake Substation | | | | | | |
| 92 LTC Tap Changer Maintenance PL 1 | Maintenance | 35,000 | - | - | - | - |
| 93 Substation to County Fiber & Fiber Equipment | Safety | 50,000 | - | - | - | - |
| 94 Oil Change Out on Tap Changer | Maintenance/Extend Life of Tap Changer | - | - | 35,000 | - | - |
| 95 Total Pike Lake Substation | | 85,000 | - | 35,000 | - | - |
| 96 Dean Lake Substation | | | | | | |
| 97 LTC Tap Changer Maintenance DL 1 & DL2 | Maintenance | 60,000 | - | - | - | - |
| 98 Total Dean Lake Substation | | 60,000 | - | - | - | - |
| 99 East Shakopee Substation | | | | | | |
| 100 Planning/Design/Project Management (P3) | Load Growth | 100,000 | - | - | - | - |
| 101 Site work grading & storm water plans (P3) | Load Growth | 587,000 | - | - | - | - |
| 102 Construction (P15) | Load Growth | - | - | 6,698,000 | - | - |
| 103 Substation to County Fiber & Fiber Equipment | Safety | - | - | 50,000 | - | - |
| 104 Total East Shakopee Substation | | 687,000 | - | 6,748,000 | - | - |
| 105 West Shakopee Substation | | | | | | |
| 106 Duct banks for WS-Exit circuits along Colburn Drive | Load Growth | 250,000 | - | - | - | - |
| 107 Planning/Design/Construction Project Management (P17) | Load Growth | - | - | - | 6,163,000 | - |
| 108 Total West Shakopee Substation | | 250,000 | - | - | 6,163,000 | - |
| 109 Upgrade Projects | | | | | | |
| 110 Pole Replacement | Maintenance | 50,000 | 50,000 | 50,000 | - | - |
| 111 Heritage Lateral Reconfiguration | Safety | 25,000 | - | - | - | - |
| 112 Blue Lake Substation Fuse Coordination / Reactor | Safety | 150,000 | - | - | - | - |
| 113 Milwaukee Court Lateral Reconfiguration | Safety | - | 25,000 | - | - | - |
| 114 Projects yet to be determined | Load Growth | 230,000 | 230,000 | 240,000 | 240,000 | 240,000 |
| 115 Total Upgrade Projects | | 455,000 | 305,000 | 290,000 | 240,000 | 240,000 |
| 116 Advanced Metering Infrastructure (AMI) | | | | | | |
| 117 Construction/Implementation/Hardware/Software/Training/Project Management | Customer Service | 336,301 | - | - | - | - |
| 118 Total Advanced Metering Infrastructure (AMI) | | 336,301 | - | - | - | - |

**Shakopee Public Utilities
Capital Improvement Plan
Final
Date: 12/02/24
Electric Detail**

| Item Description | Justification | 2025 | 2026 | 2027 | 2028 | 2029 |
|--|---------------------------------|------------------|------------------|-------------------|-------------------|------------------|
| 119 Service Center | | | | | | |
| 120 Miscellaneous Building Improvements/Replacements | Maintenance & Requested Changes | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 |
| 121 Display Case Office | Marketing | 10,000 | - | - | - | - |
| 122 Facilities Exterior Main Door Replacement | Maintenance | 40,000 | - | - | - | - |
| 123 Garage Heaters | Maintenance | - | 30,000 | - | - | - |
| 124 Facility Roof Replacement | Maintenance | - | - | 800,400 | - | - |
| 125 Building Expansion Office | Staff Additions | - | - | - | 4,000,000 | - |
| 126 Total Service Center | | 100,000 | 80,000 | 850,400 | 4,050,000 | 50,000 |
| 127 | | | | | | |
| 128 Total Operating Fund | | 9,542,801 | 6,643,720 | 14,795,413 | 14,691,718 | 4,588,763 |
| 129 | | | | | | |
| 130 Relocation Fund | | | | | | |
| 131 Relocation Projects | | | | | | |
| 132 SS-32 CR 15 & Hwy 169 Ramps | Roundabout Impacts | 136,864 | - | - | - | - |
| 133 BL-22 Stagecoach Road from Hentges Circle to Hanson Ave | Street/Trail Project | 200,000 | - | - | - | - |
| 134 CR78/CR79 Roundabout (2 x OH + 2 x UG) | Roundabout Impacts | - | 300,000 | - | - | - |
| 135 CR 17 South of CR 42 | County Road Project | - | 200,000 | - | - | - |
| 136 Projects Yet to Be Determined 0.50 Ckt. mile | As Necessary | 60,000 | 65,000 | 65,000 | 65,000 | - |
| 137 Total Relocation Projects | | 396,864 | 565,000 | 65,000 | 65,000 | - |
| 138 | | | | | | |
| 139 Total Relocation Fund | | 396,864 | 565,000 | 65,000 | 65,000 | - |
| 140 Total Electric | | 9,939,665 | 7,208,720 | 14,860,413 | 14,756,718 | 4,588,763 |

**Shakopee Public Utilities
Capital Improvement Plan
Final
Dated: 12/02/24
Water Summary**

| Item Description | Justification | 2025 | 2026 | 2027 | 2028 | 2029 | TBD |
|--|---------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| OPERATING FUND | | | | | | | |
| 1 Miscellaneous | See Detail | 690,000 | 405,000 | 240,000 | 240,000 | 250,000 | - |
| 2 System Upgrades | See Detail | 6,020,000 | 2,370,000 | 1,522,500 | 8,632,500 | 11,077,500 | - |
| 3 Advanced Metering Infrastructure (AMI) | See Detail | 274,693 | - | - | - | - | - |
| 4 Vehicles/Equipment | See Detail | 114,000 | 140,000 | 65,000 | 65,000 | 65,000 | - |
| 5 | | | | | | | |
| 6 Total Operating Fund | | 7,098,693 | 2,915,000 | 1,827,500 | 8,937,500 | 11,392,500 | - |
| 7 | | | | | | | |
| RECONSTRUCTION FUND | | | | | | | |
| 8 Reconstruction Projects | See Detail | 330,000 | 185,000 | 1,540,000 | 1,555,000 | 1,580,000 | - |
| 9 | | | | | | | |
| 10 Total Reconstruction Fund | | 330,000 | 185,000 | 1,540,000 | 1,555,000 | 1,580,000 | - |
| 11 | | | | | | | |
| AVAILABILTY FUND | | | | | | | |
| 12 | | | | | | | |
| Trunk Expenses | | | | | | | |
| 13 Trunk Water Mains - SPUC Projects | See Detail | 100,000 | 75,000 | 150,000 | - | - | - |
| 14 Over Sizing - Non-SPUC Projects | See Detail | 965,000 | 250,000 | - | 550,000 | 540,000 | 150,000 |
| 15 | | | | | | | |
| 16 Total Trunk Expenses | | 1,065,000 | 325,000 | 150,000 | 550,000 | 540,000 | 150,000 |
| 17 | | | | | | | |
| Capacity Expense | | | | | | | |
| 18 Wells | See Detail | - | 25,000 | 165,000 | - | - | 800,000 |
| 19 Water Treatment | See Detail | 1,250,000 | - | 312,500 | 612,500 | 3,312,500 | - |
| 20 Pump House Additions/Expansions | See Detail | 725,000 | - | 25,000 | 2,010,000 | 375,000 | - |
| 21 New Tanks and Transmission Water Main | See Detail | 5,700,000 | - | - | - | - | - |
| 22 Booster Stations | See Detail | 300,000 | - | - | - | - | 6,000,000 |
| 23 Auxiliary Facilities | See Detail | 60,000 | 450,000 | 150,000 | - | - | 600,000 |
| 24 | | | | | | | |
| 25 Total Capacity Expense | | 8,035,000 | 475,000 | 652,500 | 2,622,500 | 3,687,500 | 7,400,000 |
| 26 | | | | | | | |
| 27 Total Water | | 16,528,693 | 3,900,000 | 4,170,000 | 13,665,000 | 17,200,000 | 7,550,000 |
| 28 | | | | | | | |
| 29 Cumulative Total Water | | 16,528,693 | 20,428,693 | 24,598,693 | 38,263,693 | 55,463,693 | 63,013,693 |
| 30 | | | | | | | |
| 31 | | | | | | | |

**Shakopee Public Utilities
Capital Improvement Plan
Final
Dated: 12/02/24
Water Detail**

| Item Description | Justification | 2025 | 2026 | 2027 | 2028 | 2029 | TBD |
|---|--------------------------------|------------------|------------------|------------------|------------------|-------------------|----------|
| OPERATING FUND | | | | | | | |
| Miscellaneous | | | | | | | |
| Water Meters | PM/Development | 175,000 | 175,000 | 200,000 | 200,000 | 210,000 | - |
| Hydrant Replacement | As Needed (Ops) 672 | 40,000 | 40,000 | 40,000 | 40,000 | 40,000 | - |
| Emergency Power Generation Conversion @ Riverview Booster Station | Extended Sustainability | 350,000 | - | - | - | - | - |
| Cty Rd 78/79 Roundabout | Water Main Casing | 75,000 | - | - | - | - | - |
| CR 15/Marystown Rd @ Vierling Drive and @ Windermere Way Adjustment | | 30,000 | - | - | - | - | - |
| Chemical Feed Improvements | Safety/Enhanced Accuracy | 20,000 | - | - | - | - | - |
| CSAH 16 CIF 22-006 Trail Extension adjust valves & hydrants | Trail Extension | - | 15,000 | - | - | - | - |
| Jefferson Street WM Lining 10th to 12th | | - | 175,000 | - | - | - | - |
| Total Miscellaneous | | 690,000 | 405,000 | 240,000 | 240,000 | 250,000 | - |
| System Upgrades / Additions | | | | | | | |
| Recoat Reservoir #4 Dominion Ave | Preventative Maintenance | 125,000 | 2,080,000 | - | - | - | - |
| Fiber Hardware | AMI and SCADA for 4 tanks | 100,000 | 125,000 | - | - | - | - |
| SCADA Upgrades | Water System Reliability | 30,000 | - | - | - | - | - |
| Land Rights (75%) | Water Treatment | 3,750,000 | - | - | - | - | - |
| Recoat Reservoir #3 Canterbury Road | Preventative Maintenance | 2,000,000 | - | - | - | - | - |
| NES Jordan Well #26 @ Church Addition (75%) | Water Treatment | - | 75,000 | 495,000 | - | - | - |
| Pumphouse #4 Updating (75%) | Safety | - | 75,000 | - | - | - | - |
| Raw Watermains Locations TBD (25%) | Water Treatment | - | - | 937,500 | 937,500 | 937,500 | - |
| NES Pumphouse for Well #26 @ Church Addition (75%) | Water Treatment | - | - | 75,000 | 2,730,000 | - | - |
| Pumphouse #6 Updating and Backup Generation (75%) | Safety / Reliability | - | - | - | 112,500 | 1,125,000 | - |
| NES Water Treatment Plan Design (75%) | Water Treatment | - | - | - | 750,000 | - | - |
| PH#2 Conversion to Control House and raw watermain to PH#3 (75%) | Safety / Water Treatment | - | - | - | 3,187,500 | - | - |
| NES Water Treatment Plant Site Prep (75%) | Water Treatment | - | - | - | 900,000 | 9,000,000 | - |
| Miscellaneous Equipment | As Needed (Ops) 665-678 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | - |
| Total System Upgrades | | 6,020,000 | 2,370,000 | 1,522,500 | 8,632,500 | 11,077,500 | - |
| Advanced Metering Infrastructure (AMI) | | | | | | | |
| Construction/Implementation/Hardware/Software/Training/Project Management | Customer Service | 274,693 | - | - | - | - | - |
| Total Advanced Metering Infrastructure (AMI) | | 274,693 | - | - | - | - | - |
| Vehicles/Equipment | | | | | | | |
| Replace Truck #622 (2023) | Replacement for damage vehicle | 52,000 | - | - | - | - | - |
| Replace Truck #630 (2014) | Life Cycle Replacement | 62,000 | - | - | - | - | - |
| Replace Truck #626 (2015) | Life Cycle Replacement | - | 70,000 | - | - | - | - |
| Replace Truck #634 (2015) | Life Cycle Replacement | - | 70,000 | - | - | - | - |
| Replace Truck #650 (2016) | Life Cycle Replacement | - | - | 65,000 | - | - | - |
| Replace Truck #619 (2017) | Life Cycle Replacement | - | - | - | 65,000 | - | - |
| Replace Truck #649 (2018) | Life Cycle Replacement | - | - | - | - | 65,000 | - |
| Total Vehicles/Equipment | | 114,000 | 140,000 | 65,000 | 65,000 | 65,000 | - |
| Total Operating Fund | | 7,098,693 | 2,915,000 | 1,827,500 | 8,937,500 | 11,392,500 | - |

**Shakopee Public Utilities
Capital Improvement Plan
Final
Dated: 12/02/24
Water Detail**

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| Item Description | Justification | 2025 | 2026 | 2027 | 2028 | 2029 | TBD |
|--|---------------------------------------|------------------|----------------|------------------|------------------|------------------|----------------|
| RECONSTRUCTION FUND | | | | | | | |
| Reconstruction | | | | | | | |
| Correct Deficient Services / Lead Line Replacement | As Needed | 100,000 | 100,000 | 40,000 | 40,000 | 40,000 | - |
| Full-Depth Pavement Reconstruction | City CIP | 100,000 | 45,000 | 1,500,000 | 1,500,000 | 1,500,000 | - |
| Bituminous Overlay | City CIP | 30,000 | 20,000 | - | 15,000 | 40,000 | - |
| Cty 17 Trail Improvments South of 17th Ave adjustments | City Street Recon | - | 20,000 | - | - | - | - |
| Project To be determined | | 100,000 | - | - | - | - | - |
| Total Reconstruction | | 330,000 | 185,000 | 1,540,000 | 1,555,000 | 1,580,000 | - |
| Total Reconstruction Fund | | 330,000 | 185,000 | 1,540,000 | 1,555,000 | 1,580,000 | - |
| AVAILABILITY FUND | | | | | | | |
| Trunk Expenses | | | | | | | |
| Trunk Water Mains - SPU Projects (Completed by SPU) | | | | | | | |
| Misc. expenses to coordinated w/County & City Projects | Development | - | 75,000 | 150,000 | - | - | - |
| Projects to be determined | | 100,000 | - | - | - | - | - |
| Total Trunk Water Mains - SPU Projects | | 100,000 | 75,000 | 150,000 | - | - | - |
| Over Sizing - Non-SPU Projects (Completed by Others) | | | | | | | |
| 12" WM South of VV Road @ Independence 0.50 mile (Arbor Bluff) 1-HES | Development | 125,000 | - | - | - | - | - |
| 12" WM West of CR 69 thru area B 1.25 miles 1-HES | Development | 325,000 | - | - | - | - | - |
| 12" WM West of LaTour Drive 0.75 miles 2-HES | Development | 195,000 | - | - | - | - | - |
| 12" WM CR 16 from CR 15 west to CR 69 - 0.75 mile 2-HES | Development/City Project/Scott County | 200,000 | - | - | - | - | - |
| 12" WM Notermann Extension CR78 West of Valley Creek Crossing 330' | Development | 20,000 | - | - | - | - | - |
| 16" WM Krystal Addition to CR 79 (800 ft) NES | Development | - | 185,000 | - | - | - | - |
| 12" WM Vierling Drive West from CR 69 0.50 mile NES | Development | - | 65,000 | - | - | - | - |
| 12" WM on Stagecoach Rd from Eagle Creek Preserve to Hansen Ave .025 miles | Development | - | - | - | 150,000 | - | - |
| 16" WM East from Emblem parallel to 17th Ave 0.75 miles | Development | - | - | - | 400,000 | - | - |
| 16" WM South of Countryside parallel to CR 15 0.5 miles | Development | - | - | - | - | 540,000 | - |
| 12" WM CR 69 0.25 miles north of CR 78 | Development | - | - | - | - | - | 150,000 |
| Projects to be determined | | 100,000 | - | - | - | - | - |
| Total Over Sizing - Non-SPU Projects | | 965,000 | 250,000 | - | 550,000 | 540,000 | 150,000 |
| Total Trunk Expenses | | 1,065,000 | 325,000 | 150,000 | 550,000 | 540,000 | 150,000 |

**Shakopee Public Utilities
Capital Improvement Plan
Final
Dated: 12/02/24
Water Detail**

| Item Description | Justification | 2025 | 2026 | 2027 | 2028 | 2029 | TBD |
|---|--------------------------|-------------------|------------------|------------------|-------------------|-------------------|------------------|
| Capacity Expenses | | | | | | | |
| Wells | | | | | | | |
| NES Jordan Well #26 @ Church Addition (25%) | Water Treatment | - | 25,000 | 165,000 | - | - | - |
| 2-HES Jordan Well #22 at Tank #8 (100%) | Water Treatment | - | - | - | - | - | 800,000 |
| Total Wells | | - | 25,000 | 165,000 | - | - | 800,000 |
| Water Treatment | | | | | | | |
| Land Rights (25%) | Water Treatment | 1,250,000 | - | - | - | - | - |
| Raw Watermain locations TBD (25%) | Water Treatment | - | - | 312,500 | 312,500 | 312,500 | - |
| NES Water Treatment Plant design (25%) | Water Treatment | - | - | - | 300,000 | - | - |
| NES Water Treatment Plant Construction Site Prep (25%) | Water Treatment | - | - | - | - | 3,000,000 | - |
| Total Water Treatment | | 1,250,000 | - | 312,500 | 612,500 | 3,312,500 | - |
| Pump House Additions/Expansions | | | | | | | |
| 2-HES Pump House 23 @ Tank #8 Site (includes landscaping for tank #8) | Development | 725,000 | - | - | - | - | - |
| NES Pumphouse for Well #26 @ Church Addition (25%) | Water Treatment | - | - | 25,000 | 910,000 | - | - |
| Pumphouse #6 Updating and Backup Generation (25%) | Reliability | - | - | - | 37,500 | 375,000 | - |
| PH#2 Conversion to Control House and raw watermain to PH#3 (25%) | Safety / Water Treatment | - | - | - | 1,062,500 | - | - |
| Total Pump House Additions/Expansions | | 725,000 | - | 25,000 | 2,010,000 | 375,000 | - |
| New Tanks and Transmission Water Main | | | | | | | |
| 2-HES District Storage (0.5 MG, Elevated Tank #9) @ Wood Duck Trail | Development | 4,500,000 | - | - | - | - | - |
| 16" Transmission WM East of Tank #9 0.75 miles | Development | 1,200,000 | - | - | - | - | - |
| Total New Tanks and Transmission Water Main | | 5,700,000 | - | - | - | - | - |
| Booster Stations | | | | | | | |
| Inline Booster Station Site @ Foothill Road and Horizon Drive | Development | 200,000 | - | - | - | - | - |
| IHES to 2HES Inline Booster Station @ Foothill/Horizon | Development | - | - | - | - | - | 1,000,000 |
| IHES to 2HES Booster Station @ Arbor Bluffs site/design/construction | Development | 100,000 | - | - | - | - | 5,000,000 |
| Total Booster Stations | | 300,000 | - | - | - | - | 6,000,000 |
| Auxiliary Facilities | | | | | | | |
| Pressure Reducing Valve - 2-HES to 1-HES @ CR 78 | Development | 60,000 | 150,000 | - | - | - | - |
| Normal Zone Elevated Tank Altitude Valves | Pressure Control | - | 150,000 | - | - | - | - |
| Pressure Reducing Valve - 2-HES to 1-HES @ CR 69 | Development | - | 150,000 | - | - | - | - |
| Pressure Reducing Valve - 1-HES to NES on Hwy 169 | Development | - | - | 150,000 | - | - | - |
| Hwy 169 Flow Station | Development | - | - | - | - | - | 600,000 |
| Total Auxiliary Facilities | | 60,000 | 450,000 | 150,000 | - | - | 600,000 |
| Total Capacity Expenses | | 8,035,000 | 475,000 | 652,500 | 2,622,500 | 3,687,500 | 7,400,000 |
| Total Availability Funds | | 9,100,000 | 800,000 | 802,500 | 3,172,500 | 4,227,500 | 7,550,000 |
| Total Water | | 16,528,693 | 3,900,000 | 4,170,000 | 13,665,000 | 17,200,000 | 7,550,000 |