



CITY COUNCIL Agenda

520 E. Cascade Avenue - PO Box 39 - Sisters, Or 97759 | ph.: (541) 549-6022 | www.ci.sisters.or.us

Wednesday, May 22, 2024

This City Council meeting is accessible to the public in person in the Council Chambers at 520 E. Cascade Avenue, Sisters, OR 97759

This meeting is open to the public and can be accessed and attended in person or remotely. Members of the public may view the meeting via Zoom at the link below:

<https://us02web.zoom.us/j/84183474739>

Visitor Communication: To offer written comments, send an email to recorder@ci.sisters.or.us no later than 3:00 p.m. on the day of the meeting. If attending the meeting via Zoom and wish to speak, submit your name, address, phone number, and the topic you intend to address to recorder@ci.sisters.or.us by 3:00 p.m. on the meeting day. For those attending the meeting in person, you may complete a request to speak form on-site.

5:30 PM WORKSHOP

1. Deschutes County Sheriff Office Update
2. Cascades East Transit
3. Republic Services Financial Update and Rate Request
4. Quarterly Financial Review
5. Other Business

6:30 PM CITY COUNCIL REGULAR MEETING

1. **CALL TO ORDER/PLEDGE OF ALLEGIANCE**
2. **ROLL CALL**
3. **APPROVAL OF AGENDA**
4. **VISITOR COMMUNICATION**
5. **CONSENT AGENDA**
 - A. Minutes
 1. May 8, 2024 – Workshop
 2. May 8, 2024 – Regular Meeting
6. **COUNCIL BUSINESS**
 - A. **Discussion and Consideration of Resolution 2024-11 – A RESOLUTION ESTABLISHING RATES FOR CITY WATER SERVICE.**

This agenda is also available via the Internet at www.ci.sisters.or.us

- B. **Discussion and Consideration of Resolution 2024-12 - A RESOLUTION ESTABLISHING RATES FOR CITY SEWER SERVICE.**

 - C. **Discussion and Consideration of a Motion** to Approve a Professional Services Agreement with Harper Houf Peterson Righellis, Inc. for the Rope Street Wastewater Station Renovation Design in an Amount not to Exceed \$98,970 and Authorize the City Manager to Execute the Agreement.
- 7. **OTHER BUSINESS**
 - A. Staff Comments

 - 8. **MAYOR/COUNCILOR BUSINESS**

 - 9. **ADJOURN**

Pursuant to ORS 192.640, this agenda includes a list of the principal subjects anticipated to be considered at the above-referenced meeting; however, the agenda does not limit the ability of the Council to consider or discuss additional subjects. This meeting is subject to cancellation without notice.

This meeting is open to the public, and interested citizens are invited to attend. This is an open meeting under Oregon Revised Statutes, not a community forum; audience participation is at the discretion of the Council. The meeting may be recorded. The meeting location is accessible to persons with disabilities. A request for an interpreter for the hearing impaired or for other accommodations for persons with disabilities should be made to the City Recorder at least forty-eighty (48) hours in advance of the meeting.

Executive Sessions are not open to the public; however, members of the press are invited to attend.

The City of Sisters is an Equal Opportunity Provider



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cet

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Spectrum of transportation services

ADA Paratransit
Rural Dial A Ride
Fixed Route Services
Community Connectors
Recreational Transportation
Employer Vanpools
Non-Emergency Medical Transport
Veteran Transportation



cascades east transit
Where vision meets destination.

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CET Divisions

Dispatchers

Customer Service Representatives

Vehicle Operators

Mechanics

Maintenance Workers

Supervisors/Managers

Administrative Staff

How Are We Funded?

Federal 5310 Funds – Rural Transportation Services

Federal 5311 Funds – Elderly and Disabled Transportation

Federal 5307 Funds – Urban Area Transportation

Statewide Transportation Improvement Funds

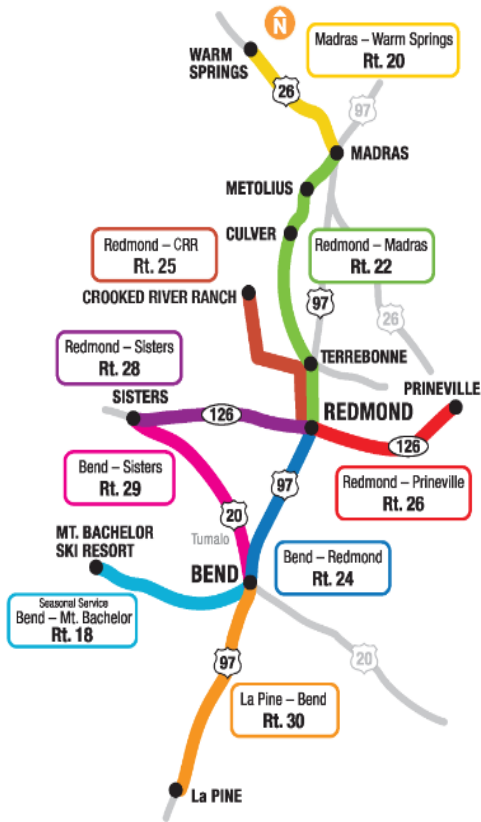
Discretionary and Capital Grants



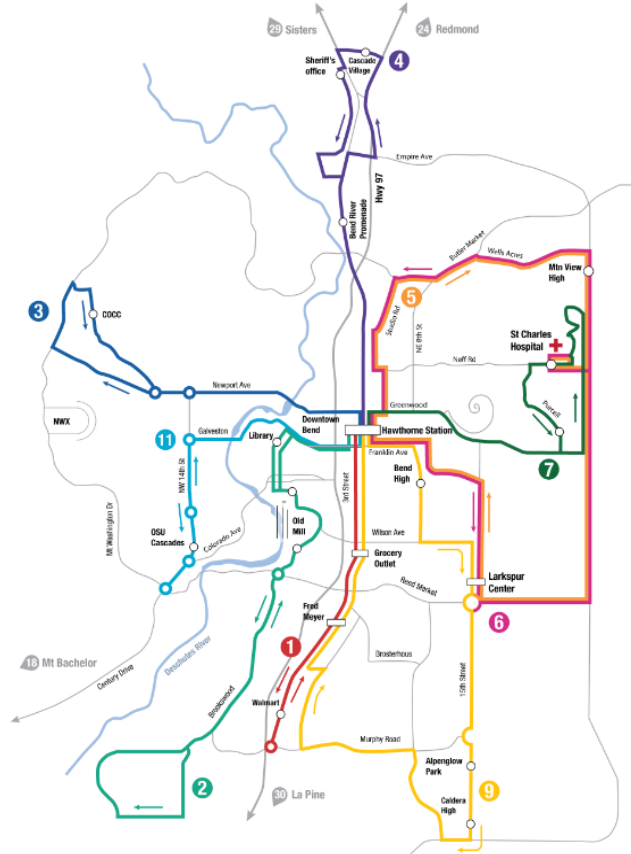
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Regional Services



Bend Fixed Route



Vanpools

- 4 Redmond – Bend
- 3 Bend – La Pine
- 2 Bend – Sisters
- 2 Bend – Crescent
- 2 Redmond – Sisters
- 1 Redmond – Bend
- 1 Terrebonne – Sisters
- 1 Terrebonne - Bend
- 1 Prineville – Redmond
- 1 Prineville – Bend
- 1 Prineville – Sisters
- 1 Prineville – Pilot Butte
- 1 Bend – Bend
- 1 Bend - Prineville
- 1 Madras – Redmond
- 1 Redmond – Prineville
- 1 La Pine – Bend
- 1 Warm Springs – Mt Hood



cascades east transit
Where vision meets destination.

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EXPANDED SERVICES COMING TO SISTERS/BEND AREA JUNE 2024

2 new round trips on RT 29 departing Sisters to Bend Monday through Friday

- 8:46am
- 12:37pm

Current Schedule Below

MONDAY - FRIDAY Weather and road conditions may impact bus schedules. Visit CascadesEastTransit.com or text "CET" to 313131 to opt into receiving service updates.

NORTHBOUND				SOUTHBOUND
Hawthorne Station	E. Main at Cedar	W. Main at Oak	Ray's Food Place	Hawthorne Station
6:40	7:08	7:10	7:13	7:47
3:45	4:13	4:15	4:18	4:52
5:10	5:38	5:40	5:43	6:17

AM
PM

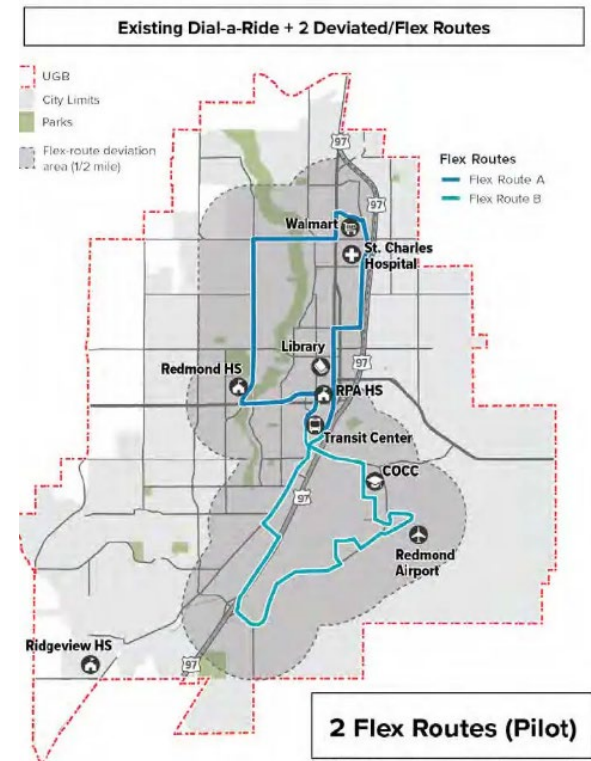


cascades east transit
Where vision meets destination.

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EXPANDED SERVICES COMING TO REDMOND AREA JUNE 2024

- Two new city routes in Redmond
- Aligns with RT 28 timing into Redmond hub
- Two routes Northwest route to major shopping destinations
- Monday through Friday 7:30am – 5:30pm





City of Sisters, Oregon

2023 Financial Performance, 2024 Rate Ask



2023 Financial Results

2023 Results:

Revenue increased by \$137,027 or 12.0% driven by Collection Revenue increase

Expenses:

Total Operating Costs increased by \$111,381 or 11.3%.

- Wages, Payroll, and Benefits increased by \$51,998 or 15.9%
- Truck Depreciation increased by \$9,538 or 20.9%
- Disposal Costs increased by \$14,833 or 5.8%
- Franchise Fees increased by \$15,270 or 20.7%
- Management Fees increased by \$13,723 or 18.3%
- Fuel decreased by \$4,004 or 6.5%

Net Income was \$175,071 at a margin of 13.74%

2024 Financial Forecast

2024 Forecast:

1.5% requested rate increase

Revenue (includes 1.5% rate increase) increases by \$116,932 or 9.2%. Includes a 2% volume growth factor

Expenses: Total Operating Costs increased by \$148,776 or 13.5%

CPI W/S/T increase of 5.55% applied to expenses with special notes below:

- Labor: Increases by \$61,320 or 16.2%. Accounting for volume growth and additional wage and headcount increases
- Disposal: Increases by \$56,319 or 20.8% to account for volume growth and gate rate increase to \$80/ton in July 2024
- Fuel: Increases by \$4,240 or 7.4%
- Franchise Fees: Increasing by \$8,344 or 9.4% due to revenue growth
- Depreciation increases by \$5,760 or 10.4% for new trucks
- Management Fees: Increasing by \$6,917 or 7.8%

Net Income: Projected \$143,227 at a margin of 10.29%

Republic Services (High Country Disposal) City Of Sisters	2023 Actual
REVENUE FROM OPERATIONS:	
Commercial	\$ 823,186
Residential	\$ 448,997
Recycling	\$ 2,274
Other	\$ -
Total Franchisee Revenues	<u>\$ 1,274,458</u>

OPERATING EXPENSES:	
Labor costs	
Wages - Owners.....	\$ -
Wages	\$ 283,337
Payroll Taxes.....	\$ 30,293
Employee Benefits.....	\$ 64,751
Disposal Fees.....	\$ 270,527
Recycling.....	\$ 8,495
Yard Waste Recycling.....	\$ 1,886
Office expenditures.....	\$ 2,712
Fuel & Oil.....	\$ 57,563
Interest Expense.....	\$ -
Insurance.....	\$ 40,156
Equipment Leases.....	\$ -
Franchise Fees.....	\$ 89,053
Professional Fees (Legal and Others).....	\$ 287
Repairs and Maintenance.....	\$ 31,676
Rent Expense.....	\$ 31,019
Supplies.....	\$ 1,884
Utilities and Telephone.....	\$ 4,761
Depreciation.....	\$ 55,204
Other	
Advertising.....	\$ 2,070
Dues and subscriptions.....	\$ 1,253
Business travel.....	\$ 1,735
Bad Debts.....	\$ 1,300
Management Fees.....	\$ 88,565
Miscellaneous.....	\$ 30,861
Total Operating Expenses	<u>\$ 1,099,387</u>
NET INCOME	<u>\$ 175,071</u>

Republic Services (High Country Disposal) City Of Sisters	2024 Projection
REVENUE FROM OPERATIONS:	
Commercial	\$ 898,876
Residential	\$ 490,193
Recycling	\$ 2,321
Other	\$ -
Total Franchisee Revenues	<u>\$ 1,391,390</u>

OPERATING EXPENSES:	
Labor costs	
Wages - Owners.....	\$ -
Wages	\$ 327,676
Payroll Taxes.....	\$ 34,162
Employee Benefits.....	\$ 77,863
Disposal Fees.....	\$ 326,846
Recycling.....	\$ 8,966
Yard Waste Recycling.....	\$ 1,990
Office expenditures.....	\$ 2,862
Fuel & Oil.....	\$ 61,803
Interest Expense.....	\$ -
Insurance.....	\$ 42,384
Equipment Leases.....	\$ -
Franchise Fees.....	\$ 97,397
Professional Fees (Legal and Others).....	\$ 303
Repairs and Maintenance.....	\$ 33,964
Rent Expense.....	\$ 32,741
Supplies.....	\$ 1,989
Utilities and Telephone.....	\$ 5,026
Depreciation.....	\$ 60,964
Other	
Advertising.....	\$ 2,185
Dues and subscriptions.....	\$ 1,322
Business travel.....	\$ 1,831
Bad Debts.....	\$ 1,427
Management Fees.....	\$ 95,483
Miscellaneous.....	\$ 28,978
Total Operating Expenses	<u>\$ 1,248,163</u>
NET INCOME	<u>\$ 143,227</u>

Residential Rate Table Sample

	Current Rate	With 1.5-percent Increase Effective July 1, 2024
35 Gallon Trash, 95 Gallon Comingle, 95 Gallon Yard Debris	20.07	20.37
65 Gallon Trash, 95 Gallon Comingle, 95 Gallon Yard Debris	27.25	27.66
95 Gallon Trash, 95 Gallon Comingle, 95 Gallon Yard Debris	37.33	37.89

Carry Out/Up the Drive Rate Change

Proposal: Republic Services is seeking addition of a flat rate for Residential Up the Drive or Carryout Services for customers in Sisters.

- \$20 per month unless customer has a disability that impacts their ability to move their carts to the curb (in which case service will be offered at no charge).
- Opt-in/optional service.
- Flat charge covers the cost of service for all carts on a residential customer's property and is an additional to base rate service charge.

Program Benefits

- Ratepayer fairness

Program Timeline

- Council Approval by July 1, 2024
- July 2024: Republic to notify existing Up the Drive/Carry Out customers of requirement to opt in to new program at new rate. New charge to apply effective September 1. Customers will be unenrolled unless they opt in.

Other Updates

- Operations and Staffing Updates
- Glass and Sisters Recycling Center

City of Sisters

Financial Summary

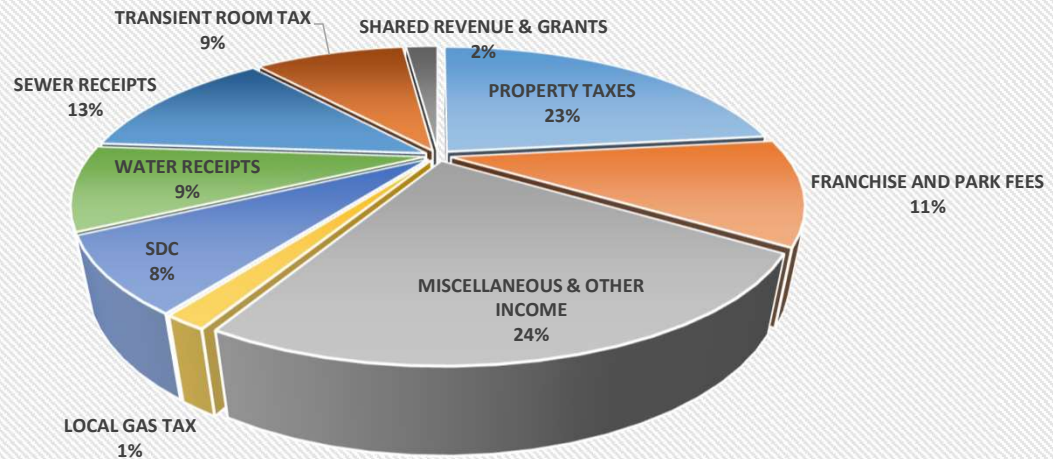
March 2024

Total Resources - Budget to Actual *

As of March, 2024

	Year to Date	FY 2023/24 Budget	Budget Remaining	(75% lapsed) % Earned
BEGINNING FUND BALANCE	\$ 21,556,609	\$ 21,324,353	\$ (232,256)	101%
PROPERTY TAXES	2,017,408	1,958,500	(58,908)	103%
FRANCHISE AND PARK FEES	960,840	1,084,500	123,661	89%
MISCELLANEOUS & OTHER INCOME	2,089,751	2,618,715	528,964	80%
LOCAL GAS TAX	135,977	195,000	59,023	70%
SDC	665,155	1,150,000	484,845	58%
WATER RECEIPTS	771,453	955,000	183,547	81%
SEWER RECEIPTS	1,103,044	1,450,000	346,956	76%
TRANSIENT ROOM TAX	805,451	1,100,000	294,549	73%
SHARED REVENUE & GRANTS	170,430	223,672	53,242	76%
	\$ 30,276,117	\$ 32,059,740	\$ 1,783,622	

RESOURCES BY CATEGORY EXCLUDING INTERFUND TRANSFERS



Financial Highlights - Resources

- City Property Tax income from the current year has exceeded annual budgetary estimates in both City and URA combined. The property tax revenue for the City and URA are expected to exceed budget expectations at year-end.
- Franchise / User Fee income is higher than expectations largely due to Park User fee income from online reservations and franchise fees in the Street Fund.
- The Miscellaneous and Other Income lapse rate is high due to URA Debt transaction taking place in Q2.
- SDC income has continued to fall short of expectations as development has continued to slow through this fiscal year.
- Water receipts are following the lapse percentage and will likely exceed the budgetary goal as the fiscal year concludes.
- Sewer receipt income remains relatively steady and income should exceed the budget projections for the fiscal year.
- Transient Room (Lodging) Tax receipts as of 3Q, remain slightly below the lapse rate but is expected to project close to budget expectations at fiscal year end.
- Shared Revenue and Grants is tracking below at expectations.

*Excludes Transfers

**FINANCIAL SUMMARY
RESOURCES - BUDGET TO ACTUAL BY FUND**

	Year to Date	FY 2023/24 Budget	Budget Remaining	(75% lapsed) % Earned
GENERAL FUND				
BEGINNING FUND BALANCE	\$ 4,717,791	\$ 4,607,871	\$ (109,920)	102%
PROPERTY TAXES	1,548,303	1,515,000	(33,303)	102%
TRANSIENT ROOM TAX	805,451	1,100,000	294,549	73%
SHARED REVENUE & GRANTS	162,485	223,672	61,187	73%
FRANCHISE AND PARK FEES	466,980	431,450	(35,529)	108%
MISCELLANEOUS & OTHER INCOME	873,947	966,025	92,078	90%
	<u>\$ 8,574,957</u>	<u>\$ 8,844,018</u>	<u>\$ 269,061</u>	<u>97%</u>
WATER FUND				
BEGINNING FUND BALANCE	\$ 2,617,272	\$ 2,555,050	\$ (62,222)	102%
WATER RECEIPTS	771,453	955,000	183,547	81%
MISCELLANEOUS & OTHER INCOME	432,159	446,900	14,741	97%
	<u>\$ 3,820,884</u>	<u>\$ 3,956,950</u>	<u>\$ 136,066</u>	<u>97%</u>
STREET FUND				
BEGINNING FUND BALANCE	\$ 1,581,856	\$ 1,656,145	\$ 74,289	96%
FRANCHISE AND PARK FEES	493,860	653,050	159,190	76%
SHARED REVENUE & GRANTS	-	-	-	-
LOCAL GAS TAX	135,977	195,000	59,023	70%
MISCELLANEOUS & OTHER INCOME	279,601	317,440	37,839	88%
TOTAL TRANSFERS IN	-	-	-	-
GRANTS & PASS THROUGH	7,945	-	(7,945)	-
	<u>\$ 2,499,239</u>	<u>\$ 2,821,635</u>	<u>\$ 322,396</u>	<u>89%</u>
SEWER FUND				
BEGINNING FUND BALANCE	\$ 2,539,998	\$ 2,837,192	\$ 297,194	90%
SEWER RECEIPTS	1,103,044	1,450,000	346,956	76%
MISCELLANEOUS & OTHER INCOME	136,543	100,650	(35,893)	136%
	<u>\$ 3,779,586</u>	<u>\$ 4,387,842</u>	<u>\$ 608,256</u>	<u>86%</u>
TRANSPORATION SDC				
BEGINNING FUND BALANCE	\$ 2,317,702	\$ 2,206,722	\$ (110,980)	105%
INTEREST EARNED	81,299	55,000	(26,299)	148%
TRANSPORTATION SDC	204,504	350,000	145,496	58%
	<u>\$ 2,603,505</u>	<u>\$ 2,611,722</u>	<u>\$ 8,217</u>	<u>100%</u>
SEWER SDC				
BEGINNING FUND BALANCE	\$ 3,266,866	\$ 3,240,442	\$ (26,423)	101%
INTEREST EARNED	113,474	86,000	(27,474)	132%
SEWER SDC	187,325	375,000	187,675	50%
	<u>\$ 3,567,665</u>	<u>\$ 3,701,442</u>	<u>\$ 133,777</u>	<u>96%</u>
WATER SDC				
BEGINNING FUND BALANCE	\$ 2,686,011	\$ 2,409,361	\$ (276,650)	111%
INTEREST EARNED	94,074	73,000	(21,074)	129%
WATER SDC	143,289	275,000	131,711	52%
	<u>\$ 2,923,374</u>	<u>\$ 2,757,361</u>	<u>\$ (166,013)</u>	<u>106%</u>
PARK SDC				
BEGINNING FUND BALANCE	\$ 1,080,609	\$ 1,084,276	\$ 3,667	100%
INTEREST EARNED	38,263	30,000	(8,263)	128%
GRANTS & PASS THROUGH	-	-	-	-
PARK SDC	130,037	150,000	19,963	87%
	<u>\$ 1,248,908</u>	<u>\$ 1,264,276</u>	<u>\$ 15,367</u>	<u>99%</u>
PARKING DISTRICT FUND				
BEGINNING FUND BALANCE	\$ 292,810	\$ 292,097	\$ (713)	100%
INTEREST EARNED	10,744	8,000	(2,744)	134%
PARKING DISTRICT	4,843	14,500	9,658	33%
	<u>\$ 308,396</u>	<u>\$ 314,597</u>	<u>\$ 6,201</u>	<u>98%</u>
CITY HALL DEBT SERVICE FUND				
BEGINNING FUND BALANCE	\$ 6,195	\$ 6,235	\$ 39	99%
INTEREST EARNED	290	100	(190)	290%
TRANSFERS FROM OTHER FUNDS	27,700	27,700	-	100%
TRANSFER FROM GENERAL FUND	22,600	22,600	-	100%
	<u>\$ 56,786</u>	<u>\$ 56,635</u>	<u>\$ (151)</u>	<u>100%</u>
URBAN RENEWAL DEBT FUND				
BEGINNING FUND BALANCE	\$ 164,404	\$ 149,078	\$ (15,326)	110%
PREVIOUS LEVIED TAXES	4,535	3,500	(1,035)	130%
INTEREST EARNED	12,780	21,000	8,220	61%
CURRENT TAXES	464,570	440,000	(24,570)	106%
	<u>\$ 646,289</u>	<u>\$ 613,578</u>	<u>\$ (32,711)</u>	<u>105%</u>
URBAN RENEWAL PROJECT FUND				
BEGINNING FUND BALANCE	\$ 285,095	\$ 279,883	\$ (5,212)	102%
INTEREST EARNED	11,732	100	(11,632)	11732%
LOAN PROCEEDS	-	500,000	500,000	0%
	<u>\$ 296,827</u>	<u>\$ 779,983</u>	<u>\$ 483,156</u>	<u>38%</u>

City of Sisters

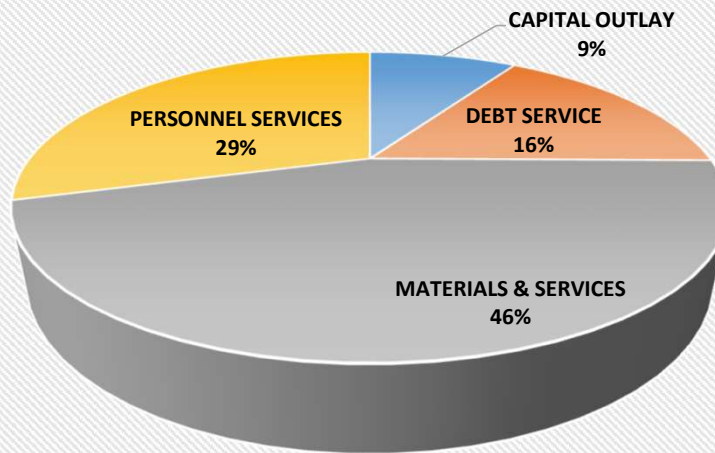
Financial Summary

March 2024

Total Expenditures - Budget to Actual As of March, 2024

	Year to Date	FY 2023/24 Budget	Budget Remaining	(75% lapsed) % Earned
CAPITAL OUTLAY	\$ 486,599	\$ 1,655,000	\$ 1,168,401	29%
DEBT SERVICE	874,500	958,300	83,800	91%
MATERIALS & SERVICES	2,452,384	4,503,449	2,051,065	54%
PERSONNEL SERVICES	1,587,786	2,608,195	1,020,409	61%
GRANTS & PASS THROUGHS	-	-	-	
INTERFUND TRANSFERS - OUT	330,300	330,300	-	100%
	<u>\$ 5,731,569</u>	<u>\$ 10,055,244</u>	<u>\$ 4,323,675</u>	

EXPENDITURES BY CATEGORY EXCLUDING INTERFUND TRANSFERS



Financial Highlights - Expenditures

- Capital outlay is tracking at expectations in terms of timing due to the majority of projects such as, well improvements, overlays, westside pumpstation design, and US20/Locust Roundabout contribution taking place later in the fiscal year. An important item of note is related to the Sewer Fund Capital outlay which included the Biosolids removal project. That project exceeded budgetary projections and a supplemental budget adjustment this fiscal year will be necessary.
- The majority of debt service payments have been finalized with the last remaining payment taking place in May 2024.
- Overall, personnel services are tracking just under budget estimates and we don't foresee that trend changing as the year progresses.
- Materials and Services in total are tracking just below expectations as a lapse percentage. The Water, Street, and Sewer funds are close to their lapse percentage and will be closely monitored toward the end of the fiscal year.

FINANCIAL SUMMARY
EXPENDITURES - BUDGET TO ACTUAL BY FUND

	Year to Date	FY 2023/24 Budget	Budget Remaining	(75% lapsed) % Earned
GENERAL FUND				
PERSONNEL SERVICES	\$ 818,020	\$ 1,305,737	\$ 487,716	63%
MATERIALS & SERVICES	847,252	1,990,930	1,143,678	43%
DCSO - POLICING SERVICES	543,112	942,369	399,257	58%
CAPITAL OUTLAY	9,545	66,000	56,455	14%
GRANTS & PASS THROUGHS	-	-	-	-
INTERFUND TRANSFERS - OUT	302,600	302,600	-	100%
	<u>\$ 2,520,530</u>	<u>\$ 4,607,636</u>	<u>\$ 2,087,106</u>	<u>55%</u>
WATER FUND				
PERSONNEL SERVICES	\$ 255,391	\$ 412,974	\$ 157,583	62%
MATERIALS & SERVICES	306,304	404,875	98,571	76%
CAPITAL OUTLAY	51,689	360,000	308,311	14%
INTERFUND TRANSFERS - OUT	8,600	8,600	-	100%
DEBT SERVICE	-	-	-	-
	<u>\$ 621,984</u>	<u>\$ 1,186,449</u>	<u>\$ 564,465</u>	<u>52%</u>
STREET FUND				
PERSONNEL SERVICES	\$ 278,337	\$ 484,922	\$ 206,584	57%
MATERIALS & SERVICES	367,894	524,900	157,006	70%
CAPITAL OUTLAY	38,863	405,000	366,137	10%
INTERFUND TRANSFERS - OUT	7,000	7,000	-	100%
DEBT SERVICE	-	-	-	-
	<u>\$ 692,094</u>	<u>\$ 1,421,822</u>	<u>\$ 729,728</u>	<u>49%</u>
SEWER FUND				
PERSONNEL SERVICES	\$ 236,037	\$ 404,562	\$ 168,525	58%
MATERIALS & SERVICES	312,723	439,375	126,652	71%
CAPITAL OUTLAY	385,345	235,000	(150,345)	164%
INTERFUND TRANSFERS - OUT	12,100	12,100	-	100%
DEBT SERVICE	259,800	331,920	72,120	78%
	<u>\$ 1,206,004</u>	<u>\$ 1,422,957</u>	<u>\$ 216,953</u>	<u>85%</u>
TRANSPORTATION SDC				
MATERIALS & SERVICES	\$ 58,643	\$ 110,000	\$ 51,357	53%
CAPITAL OUTLAY	-	30,000	30,000	0%
	<u>\$ 58,643</u>	<u>\$ 140,000</u>	<u>\$ 81,357</u>	<u>42%</u>
SEWER SDC				
MATERIALS & SERVICES	\$ 1,575	\$ 25,000	\$ 23,425	6%
DEBT SERVICE	69,140	76,060	6,920	91%
CAPITAL OUTLAY	1,158	200,000	198,843	1%
	<u>\$ 71,873</u>	<u>\$ 301,060</u>	<u>\$ 229,188</u>	
WATER SDC				
MATERIALS & SERVICES	\$ 1,815	\$ 25,000	\$ 23,185	7%
CAPITAL OUTLAY	-	-	-	-
	<u>\$ 1,815</u>	<u>\$ 25,000</u>	<u>\$ 23,185</u>	<u>8%</u>
PARK SDC				
MATERIALS & SERVICES	\$ 5,600	\$ 15,000	\$ 9,400	37%
CAPITAL OUTLAY	-	-	-	-
	<u>\$ 5,600</u>	<u>\$ 15,000</u>	<u>\$ 9,400</u>	
PARKING DISTRICT FUND				
CAPITAL OUTLAY	\$ -	\$ -	\$ -	-
	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>0%</u>
CITY HALL DEBT SERVICE FUND				
DEBT SERVICE	\$ 45,560	\$ 50,320	\$ 4,760	91%
	<u>\$ 45,560</u>	<u>\$ 50,320</u>	<u>\$ 4,760</u>	<u>91%</u>
URBAN RENEWAL DEBT FUND				
DEBT SERVICE	\$ 500,000	\$ 500,000	\$ -	100%
	<u>\$ 500,000</u>	<u>\$ 500,000</u>	<u>\$ -</u>	<u>100%</u>
URBAN RENEWAL PROJECT FUND				
MATERIALS & SERVICES	\$ 7,465	\$ 26,000	\$ 18,535	29%
CAPITAL OUTLAY	-	359,000	359,000	0%
	<u>\$ 7,465</u>	<u>\$ 385,000</u>	<u>\$ 377,535</u>	<u>2%</u>



CITY COUNCIL Staff Report

Meeting Date: May 22, 2024
Type: Regular City Council Meeting
Subject: City Council Meeting Minutes

Staff: R. Green
Dept: Administration

Consent Agenda: Approve the minutes from the May 8, 2024 City Council Workshop and the May 8, 2024 Regular City Council meeting.

Summary Points:

- Approve the minutes from the May 8, 2024 City Council Workshop and the May 8, 2024 Regular City Council meeting.

Financial Impact: None.

Attachments:

- 1- ATTACHMENT 1: May 8, 2024, City Council Workshop
- 2- ATTACHMENT 2: May 8, 2024, Regular City Council meeting

WORKSHOP MEETING MINUTES
SISTERS CITY COUNCIL
520 E. CASCADE AVENUE
MAY 8, 2024

MEMBERS PRESENT:

Michael Preedin	Mayor
Andrea Blum	Council President
Jennifer Letz	Councilor
Gary Ross	Councilor
Susan Cobb	Councilor

STAFF PRESENT:

Jordan Wheeler	City Manager
Kerry Prosser	Assistant City Manager
Scott Woodford	CDD Director
Paul Bertagna	PW Director
Rebecca Green	Deputy Recorder

GUESTS:

Jennifer Holland	Executive Director Sisters Parks and Recreation
Janie Boyl, Karen Lord,	Sisters Community Garden
Mimi Schaeffer	
Eric Strobel	Sisters Area Director, Economic Development for Central Oregon

The meeting recording is available here: <https://www.ci.sisters.or.us/bc-citycouncil/page/city-council-workshop-meeting-6>

Mayor Preedin called the workshop to order at 5:00 p.m.

1. Sisters Parks & Recreation Update/Community Park Funding

Manager Wheeler introduced the Sisters Parks & Recreation (SPRD) update by indicating that one of the 2024-25 City Council goals is to build and expand partnerships with local agencies and districts to foster collaboration for long-term priorities for the community. SPRD Executive Director Jennifer Holland provided a high-level overview of the entire project, with a [PowerPoint presentation](#). SPRD is entering into a 25-year lease for the site at 611 E Cascade Ave, inclusive except for the A wing and the bus parking area. Holland outlined the various opportunities for the site, including ways in which the new community park addresses the needs of the City of Sisters Parks Master Plan. Indoor amenities include a multi-use recreation area, meeting room space, a fitness studio, and two preschool programs with room to grow. The outdoor space consists of an 8-acre Community Park including updated playground areas, sports fields, walking paths, eight pickleball courts, and a covered multi-use basketball court, among other amenities. The total cost is approximately \$1.325 million, paid in part by State of Oregon Local Government Grant Program, with a 40% required match made up through private donations, district funds, and staff/volunteers hours, plus the requested amount to the City of Sisters of \$125,000. Construction would begin in Spring 2025. Council discussed some of the details about the new site, then conceptually approved the allocation to the project, to be further discussed during the budget approval process.

2. Community Garden Relocation Update

Director Woodford introduced the proposal from Sisters Community Garden (SCG) to locate a community garden on city-owned park land. Karen Lord, Janie Boyl, and Mimi

WORKSHOP MEETING MINUTES
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Schaeffer were available to speak to the request and answer questions. The two sites under consideration are the Sun Ranch Park off Sun Ranch Drive and Cliff Clemons Park. The presenters and Council discussed the proposal, the sites, and the feasibility of the potential partnership. As a next step, Sisters Community Garden will engage the public and neighborhoods with a survey and/or public event to gather further information about support and concerns to the various proposals.

3. Sisters Country Economic Development Update

Sisters Area Economic Development Central Oregon (EDCO) Director Eric Strobel presented the [2024-2027 Strategic Plan for Economic Development](#) in Sisters that was recently completed by the Sisters Country Economic Development Advisory Board. Strobel discussed the activities the agency will focus on to expand and improve business, as well as specific business growth occurring in Sisters. Strobel spoke to the unique vision and strong board representation required to serve well the Sisters community.

4. Other Business – None.

The meeting was adjourned at 6:38 p.m.

Rebecca Green, Deputy Recorder

Michael Preedin, Mayor

REGULAR MEETING MINUTES
SISTERS CITY COUNCIL
520 E. CASCADE AVENUE
MAY 8, 2024

MEMBERS PRESENT:

Michael Preedin Mayor
Andrea Blum Council President
Jennifer Letz Councilor
Gary Ross Councilor
Susan Cobb Councilor

STAFF PRESENT:

Jordan Wheeler City Manager
Kerry Prosser Assistant City Manager
Scott Woodford CDD Director
Paul Bertagna PW Director
Rebecca Green Deputy Recorder

GUESTS:

Steve Donovan Donovan Enterprises

The meeting recording is available here: <https://www.ci.sisters.or.us/bc-citycouncil/page/city-council-workshop-meeting-6>

1. CALL TO ORDER/PLEDGE OF ALLEGIANCE

The meeting was called to order by Mayor Preedin at 6:46 pm.

2. ROLL CALL

A roll call was taken, and a quorum was established.

3. APPROVAL OF AGENDA

Council President Blum made a motion to approve the agenda. Councilor Letz seconded the motion. Preedin, Blum, Letz, Ross, and Cobb voted aye; the motion carried 5-0.

4. VISITOR COMMUNICATION

- Linda Weick, Sisters, addressed the impact of the potential community garden in her neighborhood of Sun Ranch.
- Michael, Sisters, spoke to watering yards and the media's discussion of former President Trump.
- Peter Hoover, Habitat for Humanity Executive Director, thanked Council and city staff for assistance with the Oregon Housing and Community Services grant application, which was awarded at \$3.8 million for the construction of homes in Sisters, with an additional \$900,000 for construction of homes in the Woodlands development, whose ownership is set at 60% Area Median Income (AMI).

5. CONSENT AGENDA

- A. Minutes
1. April 24, 2024 – Workshop
 2. April 24, 2024 – Regular Meeting

Councilor Ross made a motion to approve the Consent Agenda. Councilor Cobb seconded the motion. Preedin, Blum, Letz, Ross, and Cobb voted aye; the motion carried 5-0.

REGULAR MEETING MINUTES
SISTERS CITY COUNCIL
520 E. CASCADE AVENUE
MAY 8, 2024

6. COUNCIL BUSINESS

A. Public Hearing and Consideration of Resolution 2024-07: A RESOLUTION AMENDING THE CITY OF SISTERS' SYSTEM DEVELOPMENT CHARGES AND FEES FOR WATER AND WASTEWATER

Mayor Preedin opened the Public Hearing.

Director Bertagna provided background, stating that the updates to the Water and Wastewater Master Plans and Capital Improvement Plans have required that System Development Charges (SDCs) also be updated per state statute. This effort meets the 2023-24 Council Goal of developing a funding strategy related to these capital improvements. Consultant Steve Donovan stated that since the last time Council visited these rate increases on January 24, 2024, the rates have not changed. He indicated that the Public Works Advisory Board also considered these increases at their March 12, 2024, meeting. Donovan confirmed that the concerns of the Central Oregon Builders Association (COBA) were taken into consideration.

The mayor invited public comment.

- Morgan Greenwood, Vice President of Public Affairs for Central Oregon Builders Association spoke to the increase in water and wastewater rates, stating that while a proactive approach to planning for the future is necessary, the rate increase calculation should reflect current land supply rather than a projected land supply contingent upon expanding the urban growth boundary (UGB).

The mayor closed the public hearing.

Manager Wheeler clarified that rate increases are not only for the potential Urban Growth Boundary (UGB), but also per state mandate, for other types of growth, including increasing density within city limits. Council discussed the process of arriving at the rate increase figures, the need for readiness to have growth pay for itself and ensure affordability, and about potential exemptions to- or phasing in of the rates. The rates would go into effect at the new fiscal year July 1, 2024.

Council President Blum made a motion to approve and adopt Resolution 2024-07. Councilor Ross seconded the motion. Preedin, Blum, Letz, Ross, and Cobb voted aye; the motion carried 5-0.

B. Public Hearing and Consideration of Resolution 2024-08 : A RESOLUTION AMENDING THE CITY OF SISTERS' SYSTEM DEVELOPMENT CHARGES AND FEES FOR PARKS.

Mayor Preedin opened the Public Hearing.

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MAY 8, 2024

Director Woodford provided background to the increase of both System Development Charges (SDCs) and parks level of service. The SDC rates are intended to meet the need of capital improvements plans required by the recently adopted Parks Master Plan. The level of service for parks is calculated by the acreage of parks per thousand population. The Parks Master Plan requires an increase from current levels of two acres per thousand to five acres per thousand. Woodford stated the rates for a single-family unit would increase from \$1,193 to \$3,676. Consultant Donovan pointed out that the SDCs pay \$6.5 million of the \$14.4 million identified in the Parks Master Plan, leaving \$7.8 million needing to be recovered from other sources. Manager Wheeler clarified that these SDCs are not charged to commercial or industrial lands.

The mayor invited public comment.

- Morgan Greenwood, Vice President of Public Affairs for Central Oregon Builders Association requested that Council consider including the code-required acreage of open space in residential developments in the total acreage of existing parks. Greenwood requested that SDC allocations be adjusted for the potential open-air pavilion in Northwest Park based on the quantity of usage between residents and tourists.

The mayor closed the public hearing.

Council discussed the tentative Northwest Park design. Of the total cost of \$10.3 million, \$4.7 million is eligible to be paid through SDCs. Paying for the remaining cost of \$5.7 million is yet to be determined. It was clarified that the rates were increased commensurate with the portion of the project that serve nearby neighborhoods.

Council President Blum made a motion to approve and adopt Resolution 2024-08. Councilor Cobb seconded the motion. Preedin, Blum, Letz, Ross, and Cobb voted aye; the motion carried 5-0.

C. Discussion and Consideration of Resolution 2024-10: A RESOLUTION INCREASING THE PARKS LEVEL OF SERVICE RATIO.

Councilor Ross made a motion to approve and adopt Resolution 2024-10. Councilor Letz seconded the motion. Preedin, Blum, Letz, Ross, and Cobb voted aye; the motion carried 5-0.

D. Discussion and Consideration of Resolution 2024-09: A RESOLUTION OF CITY OF SISTERS ESTABLISHING THE STEERING COMMITTEE FOR THE SISTERS URBAN GROWTH BOUNDARY AMENDMENT.

Director Woodford outlined the need, composition, and responsibilities of the Urban Growth Boundary (UGB) Steering Committee. It was clarified that those with vested interest in favor or against the expansion are welcome to serve on the committee.

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Tentative Council representatives were determined to be Mayor Preedin and Councilor Ross.

Councilor Cobb made a motion to approve and adopt Resolution 2024-09. Councilor Letz seconded the motion. Preedin, Blum, Letz, Ross, and Cobb voted aye; the motion carried 5-0.

7. OTHER BUSINESS

A. US20 at Locust Street Roundabout Art Process Review

Assistant Manager Prosser presented the process for securing art for the Locust Roundabout. The city will release a survey to the public to contribute to the selection of the art theme. The framework of themes is determined by Development Code and include western heritage, culture, recreation, natural surroundings, wildlife, or history. A small committee will be formed who makes a recommendation to staff, who then makes a recommendation to Council for final approval. The entire process will take approximately one and half years, with installation expected summer or fall 2025. The total budget earmarked in the proposed 2024-25 Urban Renewal Agenda (URA) budget is \$425,000 for artwork and landscaping.

B. Staff Comments

Manager Wheeler

- Budget Committee Meetings will occur May 15, 9am – 2pm and May 16 if needed.
- There will be a Water Summit meeting on May 16 hosted by the Central Oregon Central Oregon Cities Organization (COCO).
- Thank you to staff who worked on the Arbor Day celebration in which 75 trees were planted at Creekside Park.
- The Civic Leadership Academy is working on communications and public engagement. They will bring their presentation to Council on June 12.
- Explore Sisters will be raising new street banners next week.
- Explore Sisters has a new Board member, Brady Rhodes of Ski Inn Taphouse Hotel to represent both the hotel and restaurant industries.
- Sisters Makers will move into the 291 E. Main Avenue building next week, with a grand opening at the June 28 Art Walk. They will also be open during the Farmer's Markets starting June 1.
- Applications for the Urban Growth Boundary (UGB) Steering Committee will be available May 9. The UGB Consultant is producing a draft land-needs report for the expanded UGB. Public outreach will begin in earnest through various outlets including the city newsletter, website, social media, and through information brought before City Council.
- On May 16, the Planning Commission will address the Tourist Commercial Code Amendment. They will consider the Short-term rental updates at their June 20

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MAY 8, 2024

meeting, and later in the summer will continue discussion on the building and hardening code.

- Staff is in the early stages of making the application for certification.
- Locust Roundabout and the current overlay projects are experiencing some delays in construction due to weather.
- Many Special Events permit applications are coming in for the summer, starting with Memorial Day weekend. Rodeo Parade is June 8.
- Utility rate increase information will be sent out to users soon, to be implemented July 1.

Councilor Cobb queried about progress related to determining high-crime categories to have Deschutes County Sheriff's Office (DCSO) track for the annual report to Council. Manager Wheeler stated city staff will be working with DCSO to consider the feasibility of gaining these statistics.

8. MAYOR/COUNCILOR BUSINESS

Mayor Preedin met with the U.S.P.S. postmaster regarding the need for a larger post office. He stated he attended the League of Oregon Cities spring conference and found it worthwhile.

Councilor Letz attended the Citizens4Community (C4C) event, stating that Associate Planner Emme Shoup did a great job as one of the panelists. She thanked the city for hosting the Deschutes County Bicycle and Pedestrian Advisory Committee (BPAC) meeting and found Public Works Project Coordinator Jackson Dumanch's presentation very informative for the committee.

Councilor Ross enjoyed the Arbor Day celebration. He noted that Upper Deschutes Watershed Council staff was back at Creekside Park with a magnet school from Bend to plant native plants in the riparian zones.

Council President Blum spoke to the staffing issues at the Deschutes County Coordinated Houseless Response Office. Coordination will begin between Central Oregon Cities Organization (COCO) and the Central Oregon Area Commission on Transportation (COACT) on regional transportation issues. Blum received a survey from the Central Oregon Regional Housing Council (RHC) requesting feedback on the scope of work the Council should undertake. Blum will report back to Council the outcomes of the survey.

Councilor Cobb spoke about the process of appointing a representative to Regional Solutions and suggested we continue to receive reports from them to monitor activities. Council discussed the lack of clarity on what representation meant. Manager Wheeler stated that he provided Regional Solutions with a recommendation to appoint Councilor Cobb, but it's unclear what the appointment process entails. Cobb noted that there are two

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MAY 8, 2024

other cities applying for Dark Skies certification and she will put one of them in touch with Director Woodford.

9. ADJOURN: 8:32 p.m.

Rebecca Green, Deputy Recorder

Michael Preedin, Mayor



Meeting Date: May 22, 2024
Type: Regular Meeting
Subject: Water Utility Rate Update

Staff: Bertagna
Dept: Public Works

Action Requested: Discussion and Consideration of Resolution No. 2024- 11 A
RESOLUTION ESTABLISHING RATES FOR CITY WATER SERVICE

Summary Points:

- The City's Water Master Plan was recently adopted in the spring of 2023 which included updating the Capital Improvement Plan (CIP). The Council's FY 23/24 goals included updating the water utility rate based on the new Capital Improvement Plan.
- The current water utility rates were last updated in 2017 and 2% inflationary adjustments have been made each year through FY 2023/24.
- The City contracted with the FCS Group to consult on the project and work with staff to update financial plans, rate structures, financing options, and policy objectives.
- With several large capital projects necessary to meet current operational requirements and accommodate future growth, the City will need to debt serve a majority of those capital project costs. In order to issue debt, the City will be required to ensure that the utility rates can pay for the debt service. This requires the City to raise water and wastewater rates to not only make the required debt payments, but to also keep the utilities reserves and operating/capital balances equal to at least 180 days of operating expenses.
- The Water Utility has \$21.7 million in capital projects in the next 10 years. 38% of that will be cash-funded through operating and System Development Charge (SDC) cash and \$13.2 million will need to be debt served through either State/Federal funding agencies or by revenue bonds. Both options require rate revenue to be able to support the debt service payments.
- Council provided direction at the 5/8/24 workshop to move ahead with the enhanced conservation approach with 50% of utility revenue provided through the volume rate.
- Section 13.15.080 of the Sisters Municipal Code states that the City Council shall establish by resolution the rates to be paid for water service.
- A typical residential water bill during the irrigation season (7500 gals) will see an approximately \$4-6 dollar or an approximately 5% increase per year for the next six years. With the rate increase Sisters' rates will still be below the majority of the municipalities in Central Oregon.
- A two-page educational flyer has been mailed to every utility account with additional information available on the City website. The new rates were



CITY COUNCIL Staff Report

contemplated in the FY2024/25 budget and staff is recommending implementing the new rate fees on July 1, 2024.

Financial Impact: \$12,500 consulting fee budgeted in the Water fund for FY 23/24.

Attachments:

1. ATTACHMENT 1: Resolution 2024-11
2. ATTACHMENT 2: Water and Sewer Utility Rate Study Final Report
3. ATTACHMENT 3: 2024 Water and Wastewater Rates Flyer

RESOLUTION NO. 2024-11

A RESOLUTION ESTABLISHING RATES FOR CITY WATER SERVICE

WHEREAS, the City of Sisters (“City”) is a provider of domestic water; and

WHEREAS, Section 13.15.080 of the Sisters Municipal Code (“SMC”) states that the Sisters City Council (the “City Council”) shall establish by resolution the rates to be paid for water service; and

WHEREAS, the City engaged FCS GROUP to complete a utility rate study for the City and recommend water service rates that recover the cost of capital investment, debt service, and ongoing operations adequately and equitably; and

WHEREAS, FCS GROUP has recommended recalibrating the City’s base (fixed) charges to recognize that the need for water supply capacity drives a significant portion of the water utility costs, and that water meter size is a common indicator of the potential capacity needs of a connection; and

WHEREAS, FCS GROUP recommended increasing the City’s volume charge to encourage customers to conserve water; and

WHEREAS, FCS GROUP recommended that the City monitor the financial status of the water utility regularly and adjust its water service rates as needed; and

WHEREAS, the City Council desires to adopt the water service rates recommended by FCS GROUP.

NOW, THEREFORE, BE IT RESOLVED that the City of Sisters resolves as follows:

1. Findings. The above-stated findings contained in this Resolution No. 2024-12 (this “Resolution”) and those contained in the utility rate study prepared by FCS Group are hereby adopted.
2. Fees. Pursuant to SMC Section 13.15.080, the City Council establishes the following rates for water service from the City to be effective beginning July 1, 2024:

Water Rates Effective	July 1, 2023	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028	July 1, 2029
Monthly Base Charge							
3/4” Meter	\$19.37	\$20.84	\$22.42	\$24.12	\$25.95	\$27.92	\$29.04
1” Meter	\$21.72	\$27.15	\$29.21	\$31.42	\$33.81	\$36.37	\$37.83
1-1/2” Meter	\$21.72	\$42.91	\$46.17	\$49.67	\$53.44	\$57.49	\$59.79
2” Meter	\$24.07	\$61.82	\$66.52	\$71.56	\$77.00	\$82.84	\$86.15
3” Meter	\$58.70	\$112.27	\$120.79	\$129.95	\$139.82	\$150.43	\$156.45
4” Meter	\$58.70	\$169.01	\$181.84	\$195.64	\$210.49	\$226.47	\$235.52
6” Meter	\$58.70	\$326.64	\$351.43	\$378.11	\$406.80	\$437.68	\$455.19
8” Meter	\$58.70	\$515.80	\$554.95	\$597.07	\$642.38	\$691.14	\$718.78
Volume Charge per ccf	\$1.00	\$1.24	\$1.47	\$1.73	\$2.03	\$2.37	\$2.46

3. Miscellaneous. This Resolution supersedes and replaces any prior resolutions or enactments establishing water utility rates and may be incorporated into City’s master fee schedule. The provisions of this Resolution are severable. If any section, subsection, sentence, clause, and/or portion of this Resolution is for any reason held invalid, unenforceable, and/or unconstitutional, such invalid, unenforceable, and/or

unconstitutional section, subsection, sentence, clause, and/or portion will (a) yield to a construction permitting enforcement to the maximum extent permitted by applicable law, and (b) not affect the validity, enforceability, and/or constitutionality of the remaining portion of this Resolution. All pronouns contained in this Resolution and any variations thereof will be deemed to refer to the masculine, feminine, or neutral, singular or plural, as the identity of the parties may require. The singular includes the plural and the plural includes the singular. The word “or” is not exclusive. The words “include,” “includes,” and “including” are not limiting. This Resolution may be corrected by order of the Council to cure editorial and/or clerical errors.

ADOPTED by the City Council of the City of Sisters and signed by the mayor this 22nd day of May, 2024.

Michael Preedin, Mayor

ATTEST:

Rebecca Green, Deputy Recorder



WATER AND SEWER UTILITY RATE STUDY

FINAL REPORT
May 2024

Washington

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FCS GROUP
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Appendix A. Water Rate Model

Appendix B. Sewer Rate Model

Section I. EXECUTIVE SUMMARY

The City of Sisters (City) contracted with FCS GROUP in 2023 to conduct a rate study for its water and sewer utilities. The project included the following tasks:

Water Rate Study

Exhibit 1 provides the recommended water rate strategy:

Exhibit 1: Summary of Existing & Recommended Water Rates

Water Rates Effective	Current	Proposed					
	July 1, 2023	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028	July 1, 2029
Monthly Base Charge							
3/4" Meter	\$19.37	\$20.84	\$22.42	\$24.12	\$25.95	\$27.92	\$29.04
1" Meter	\$21.72	\$27.15	\$29.21	\$31.42	\$33.81	\$36.37	\$37.83
1-1/2" Meter	\$21.72	\$42.91	\$46.17	\$49.67	\$53.44	\$57.49	\$59.79
2" Meter	\$24.07	\$61.82	\$66.52	\$71.56	\$77.00	\$82.84	\$86.15
3" Meter	\$58.70	\$112.27	\$120.79	\$129.95	\$139.82	\$150.43	\$156.45
4" Meter	\$58.70	\$169.01	\$181.84	\$195.64	\$210.49	\$226.47	\$235.52
6" Meter	\$58.70	\$326.64	\$351.43	\$378.11	\$406.80	\$437.68	\$455.19
8" Meter	\$58.70	\$515.80	\$554.95	\$597.07	\$642.38	\$691.14	\$718.78
Volume Charge per ccf	\$1.00	\$1.24	\$1.47	\$1.73	\$2.03	\$2.37	\$2.46

The rates shown in **Exhibit 1** reflect the following findings and proposed changes:

- 12.0% annual rate revenue increases from July 1, 2024 through July 1, 2028, and an increase of 4.0% effective July 1, 2029. These increases are driven primarily by capital funding requirements related to the planned water capital projects. It is worth noting that these increases are also partially attributable to rising operating costs, as the assumed cost inflation rates are expected to exceed growth in the water utility’s revenues.
- Revision to the multi-family base charge structure so that the City charges multi-family accounts the base charge for a 3/4" meter per dwelling unit. This practice is more in line with industry practices that typically charge multi-family accounts based on water meter size *or* dwelling units, but not both.
- Recalibration of the base charge structure to better recognize costs that are attributable to providing, operating, and maintaining a water system designed to meet the capacity needs of its customers. Under standard industry ratemaking practices, these costs are typically recovered

through a charge that increases with meter size as a representation of the customer’s potential capacity needs (as defined by the size of their water meter).

- Disproportionate increases in the volume charge to target an increase in the percentage of costs recovered through volume charges from the existing level of 37% to 50%. Recognizing that some of the longer-term capital needs are being driven by the need to expand capacity, City staff requested this alternative to provide enhanced conservation incentives to customers.

Sewer Rate Study

Exhibit 2 provides the recommended near-term sewer rate strategy:

Exhibit 2: Summary of Existing & Recommended Sewer Rates

Sewer Rates Effective	Current	Proposed					
	July 1, 2023	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028	July 1, 2029
Monthly Rate per EDU	\$41.60	\$43.26	\$44.99	\$46.79	\$48.66	\$50.61	\$52.63

The rates shown in **Exhibit 2** reflect the following findings and proposed changes:

- 4.0% annual rate revenue increases, which the sewer utility needs to keep up with cost inflation and cover capital funding requirements for its planned capital projects.

Exhibit 3 provides a forecast of the combined water/sewer bill that a typical residential customer would pay:

Exhibit 3: Combined Residential Bill Forecast

	Current	Proposed					
	July 1, 2023	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028	July 1, 2029
Monthly Bill @ 10 ccf							
Water	\$29.37	\$33.24	\$37.12	\$41.42	\$46.25	\$ 51.62	\$ 53.64
Sewer	41.60	43.26	44.99	46.79	48.66	50.61	52.63
Total	\$70.97	\$76.50	\$82.11	\$88.21	\$94.91	\$102.23	\$106.27
Change from Prior Year		+\$5.53	+\$5.61	+\$6.10	+\$6.70	+\$7.32	+\$4.04
Percent Change from Prior Year		+7.8%	+7.3%	+7.4%	+7.6%	+7.7%	+4.0%

Exhibit 3 shows a representative residential bill increasing by 7.0% – 8.0% per year for the next five years under the proposed rates. Beginning July 1, 2029, the annual rate increases are expected to remain consistent with inflation.

It is important to note that the findings presented in this report rely on a number of economic, financial, and planning assumptions. While FCS GROUP has used reputable sources of information to formulate these assumptions (and validate them with City staff) where possible, the actual financial performance of the City’s utilities may differ from the projections summarized in this report

due to uncontrollable factors. There are a variety of these factors that could contribute to the need to revisit rate increases before 2030, including:

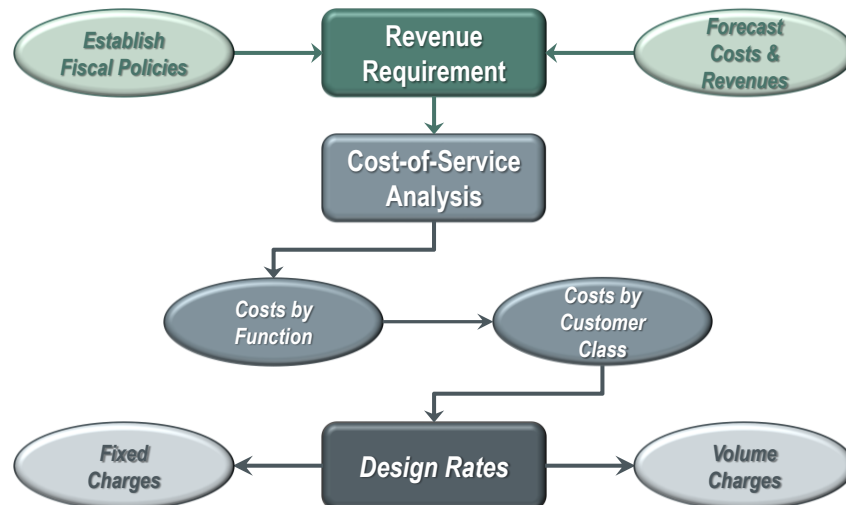
- **Inflation:** The forecasts assume 4.0% annual cost inflation based on historical long-term trends. While this assumption is intended to be conservatively high, there is considerable uncertainty regarding how long the recent inflationary trends will continue.
- **Capital Project Costs & Financing Terms:** The water financial plan in particular is being driven by the need to fund several large capital projects. While the cost estimates for these projects reflect reasonably conservative contingencies, there is a chance that they could cost more than projected. In addition, annual debt service on the anticipated bonds might also deviate from the projections in this study depending on the interest rates, issuance costs, and other financing terms that the City is able to secure.
- **Growth:** The water and sewer financial plans reflect growth estimates based on long-term population projections developed by the Population Research Center at Portland State University. The actual growth that occurs could be lower than these estimates due to economic conditions or a variety of other reasons, in which case the City might collect less in SDC revenue than projected. If growth proves to be materially lower than projected, we recommend that the City re-evaluate the list of capital projects and determine which (if any) could possibly be delayed due to the slower growth.
- **Regulatory Requirements:** The forecasts generally assume status-quo operations. Unanticipated environmental regulations may require the City to make additional investments in infrastructure and/or increase ongoing operating costs.

We recommend that the City monitor the financial position of its utilities regularly and act as needed to address any unanticipated expenses or revenue losses. **Appendix A** and **Appendix B** include printouts of the detailed water rate analysis and sewer rate analysis, respectively.

Section I. INTRODUCTION

The City of Sisters (City) contracted with FCS GROUP in 2023 to conduct a rate study for its water and sewer utilities. **Exhibit 4** shows the ratemaking process commonly used in the utility industry.

Exhibit 4: Ratemaking Methodology



- The first phase defines the amount of revenue that the utility needs to meet its annual financial obligations including operating expenses, capital outlay, debt payments, and other needs attributable to the City’s financial policies.
- The second step allocates the revenue requirement to customer classes based on their demands and service characteristics. This phase usually begins with an allocation of the revenue requirement to functions of service, which vary by utility.
- Once the amount of revenue to recover from each customer class is known, the final step involves designing rates that generate the targeted amount of revenue.

A rate study can include any or all of these phases. The study requested by the City included an evaluation of revenue requirements for the City’s water and sewer utilities and the development of an alternative water rate structure that would improve equity among the City’s customers. It did not include an allocation of costs to customer classes, instead relying on the inter-class cost allocations embedded in the City’s existing rates.

Section II. POLICY FRAMEWORK

The financial plan is based on a framework of fiscal policies that promote the financial integrity and stability of the City's utilities. The ensuing discussion briefly summarizes the key policies incorporated into this analysis.

II.A. RESERVES

Like any business, a municipal utility requires certain minimum levels of cash reserves to operate. These reserves address the variability and timing of revenues and expenses as well as occasional disturbances in activities. Given the City's responsibility to provide essential services to its customers at a certain standard, protection against financial disruption is even more important than it would be for private-sector or non-essential counterparts. In addition, a defined reserve structure serves to maintain an appropriate segregation of funds and promote the use of resources for their intended purposes. This analysis assumes the following structure of reserves for the City's utilities:

- **Operating Reserves.** Operating reserves provide an unrestricted fund balance to accommodate the short-term cycles of revenues and expenses, addressing unanticipated expenses or revenue shortfalls. This analysis assumes a minimum balance equal to two months ($\approx 17\%$) of projected operating expenses, which, based on the operating expense projections in the City's 2023-24 Budget, equates to about \$138,000 for the water utility and \$143,000 for the sewer utility.
- **Capital Improvement Reserve.** The City sets aside cash funding for capital improvement projects in a reserve embedded within the Water/Sewer Funds. This reserve does not have an explicit minimum balance, but the City sets annual transfers based on an average of annual capital project expenditures. It periodically reviews the accrued balance, recalibrating the annual transfers as needed to attain the targeted funding levels.
- **Capital Replacement Reserve.** Also part of the Water/Sewer Funds, the City maintains a reserve dedicated to the replacement of equipment and vehicles. This reserve does not have an explicit minimum balance, but the City sets annual transfers based on the replacement cost allocated to each utility (amortized over the expected life of the related assets). It periodically reviews the accrued balance, recalibrating the annual transfers as needed to attain the targeted funding levels.
- **SDC Fund.** Consistent with the requirements established in Section 223.307 of the Oregon Revised Statutes (ORS) regarding the expenditure of system development charges (SDCs), the City maintains a separate SDC Fund to ensure that SDC revenues are spent on eligible projects.

Given the anticipated need for the City's utilities to seek debt financing for their capital programs, this analysis also targets a combined cash balance (excluding restricted bond reserves) of at least 180 days of operating expenses. Though not a formal requirement, this policy is based on recommendations from the bond rating agencies for borrowers seeking to optimize their bond ratings. Based on projected 2024 costs, the combined target balance is roughly \$344,000 for the water utility and \$355,000 for the sewer utility.

II.B. SYSTEM REINVESTMENT

A best-management practice in the utility industry, system reinvestment involves setting aside funds to accumulate cash for immediate and future asset replacements. The policy intent is to promote stable and moderate long-term rates and avoid unduly burdening any single generation of customers with the cost of asset replacement. Absent a formal asset replacement plan, system reinvestment policies most often link the annual funding provision to depreciation as a measure of the annual decline in asset value. The City funds system reinvestment via transfers to the Capital Improvement Reserve and Capital Replacement Reserve. Based on projected capital needs, the City plans to make annual transfers of approximately \$104,000 to the Water Capital Improvement Reserve, about \$45,000 to the Water Capital Replacement Reserve, and around \$46,000 to the Sewer Capital Replacement Reserve.

II.C. FINANCIAL PERFORMANCE STANDARDS

This analysis evaluates the sufficiency of each utility's revenues to meet its financial obligations including operation and maintenance (O&M) expenses, debt repayment, rate-funded capital needs, and any other policy-based needs. It determines the amount of revenue needed in a given year to meet that year's expected financial obligations, in the context of two revenue sufficiency tests:

- **Cash Flow Sufficiency Test.** The cash flow test determines whether each utility's annual revenues are sufficient to cover the known cash requirements for each year of the planning period. These cash requirements typically include O&M expenses, debt service payments, rate-funded capital outlays, and any additions to reserve balances.
- **Coverage Test.** The coverage test evaluates the utilities' ability to meet applicable bond coverage requirements, as specified by the City's bond covenants and internal debt policies. The City does not currently have any water or sewer utility debt that requires coverage, but in general the debt service coverage ratio is calculated by dividing "net revenue available for debt service" (annual revenues net of annual operating expenses) by the annual payment on revenue bonds. This analysis assumes that the City maintains a minimum coverage ratio of 1.25 as a legal minimum requirement, but generally targets a coverage ratio of at least 2.0 based on policy recommendations from the bond rating agencies. This policy aims to ensure that the City is able to meet coverage requirements even when faced with unexpected expenses or revenue losses.

In determining the annual revenue requirement, the test with the greatest deficiency generally drives the rate increase in any given year. It is worth noting that the City can temporarily waive the requirements of the cash flow test as part of a conscious decision to phase in rate increases, as long as its operating reserve balance is sufficient to absorb the resulting cash flow deficit. The coverage test, however, must always be met as failure to do so may result in a downgrading of the City's credit rating. Because the City does not currently have any water or sewer utility debt that requires coverage, the cash flow test defines the utilities' revenue requirements.

Section III. FINANCIAL PLAN

The financial plan determines the annual revenue requirement, or the amount of revenue that each utility needs to meet its various financial obligations. This analysis has two main purposes – it serves as a means of evaluating the utility’s fiscal health and adequacy of current rate levels, and it sets the revenue basis for near-term and long-term rate planning. The rate revenue requirement is defined as the net difference between total revenue needs and the revenue generated through non-rate sources. Hence, the revenue requirement analysis involves defining and forecasting both needs and resources.

III.A. OPERATING FORECAST

Operating costs are initially based on the 2023 – 2024 Budget, with adjustments for inflation and any anticipated future changes such as changes to programs or staffing levels. The key assumptions and inputs used to develop the operating forecast are described in further detail below:

Operating Revenue

- **Annual Customer Growth:** Roughly 2.5% per year, based on estimates of population growth from 2022 – 2040 developed by the Population Research Center at Portland State University.
- **Water Rate Revenue:** To facilitate the development of rate structure alternatives, the forecast of water rate revenue is determined by applying the existing water rates to projected customer counts and water demand (based on detailed utility billing statistics and expected growth).
- **Other Operating Revenue (Including Sewer Rate Revenue):** Based on the 2023 – 2024 Budget. Sewer rate revenue is assumed to increase over time with customer growth, while other operating revenues are held at the 2023 – 2024 Budget estimates for the forecast period.
- **Interest Earnings:** Calculated based on projected reserve balances, assuming an earnings rate of 1.0% per year.

Operating Expenses

- **Operation and Maintenance (O&M) Costs:** Generally based on the 2018 Budget, with adjustments for inflation at the following rates:
 - » **General Cost Inflation:** Most operating expenses are assumed to increase with inflation in the Consumer Price Index at a rate of 4.0% per year. Confirmed with City staff, this assumption intends to balance conservatively high estimates of inflation with longer-term trends.
 - » **Employee Benefits:** Payroll taxes, medical insurance, and other employee benefits are assumed to increase at a rate of 9.2% per year, recognizing that these costs often increase at a rate exceeding general inflation.

» **Credit Card Fees:** Based on the City’s recent experience and expectations for near-term cost increases, credit card processing fees are assumed to increase by 5.0% per year.

- **Franchise Fees:** Set to 7.0% of rate revenue, consistent with the City’s Master Fee Schedule.

Debt Service

- **Existing Debt:** The sewer utility currently has one outstanding debt obligation, the 2016 Full Faith and Credit Refunding Bonds (with an annual payment of approximately \$332,000). Both utilities also make annual transfers to the City Hall Fund to repay a loan; the water utility’s share is around \$9,000 per year, and the sewer utility’s share is on the order of \$12,000 – \$13,000 per year. The water utility does not have any other outstanding debt.

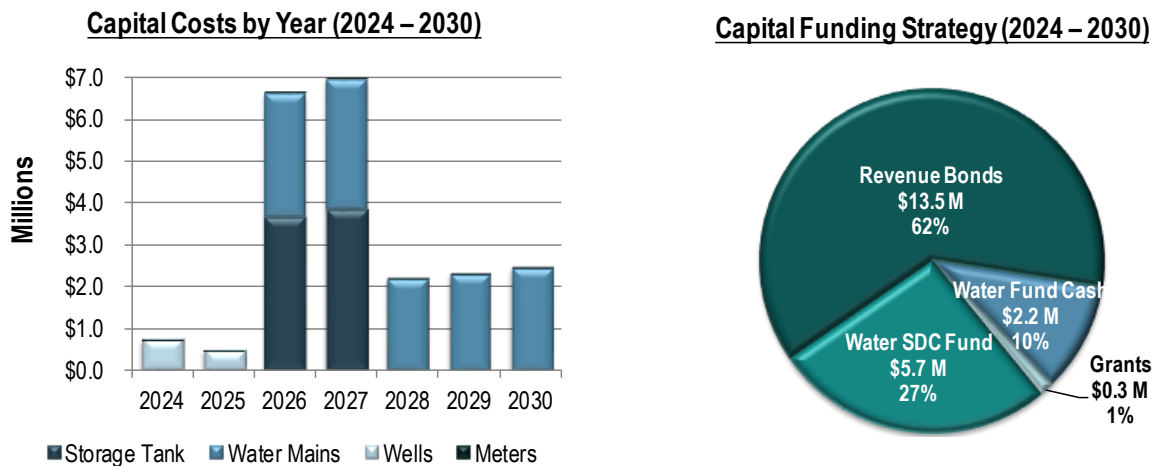
III.B. CAPITAL FORECAST

The capital forecast involves developing a funding strategy for the annual project expenditures contemplated in the utilities’ capital improvement plans (CIPs). Potential funding sources include existing cash balances, incoming rate and SDC revenues, external grants/contributions, and debt (if necessary). Given the magnitude and variability of capital project expenditures, rates most often fund an ongoing contribution for capital projects (system reinvestment) rather than direct expenditures. The ensuing discussion considers each utility’s capital forecast separately.

Water Utility

Exhibit 5 summarizes the water utility CIP and anticipated funding strategy.

Exhibit 5: Summary of Water Capital Costs & Funding Strategy



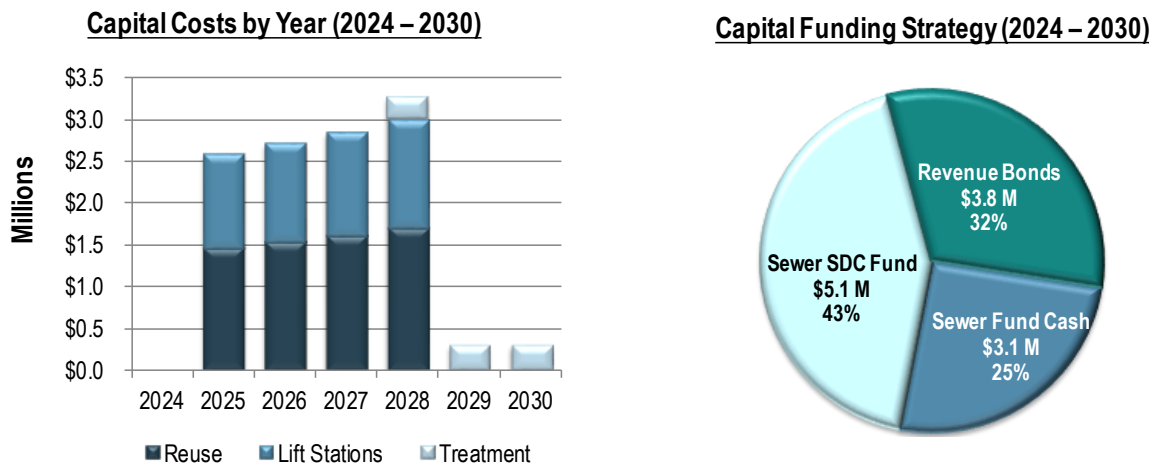
Reflecting assumed construction cost inflation of 5.0% per year, **Exhibit 5** indicates that the water utility will spend \$21.7 million on capital projects that it plans to complete between 2024 and 2030. The full capital program through 2042 includes \$26.5 million of anticipated expenditures, with the remaining \$4.8 million occurring outside of the six-year planning period. The City expects to receive

\$280,000 in grant funding to install a variable-frequency drive and backup power source at Well No. 3. Existing cash balances, funding generated from water rates, and water SDC revenues are expected to be adequate to fund only about \$7.9 million (37%) of the projected 2024 – 2030 expenditures, requiring additional funding to cover the remaining \$13.5 million (62%). Assuming that the City will fund this cost by issuing 40-year revenue bonds with an interest rate of 4.5% and issuance costs equal to 1.0% of the amount issued, this borrowing is estimated to increase the water utility’s annual debt service obligations by \$784,000.

Sewer Utility

Exhibit 6 summarizes the sewer utility CIP and anticipated funding strategy.

Exhibit 6: Summary of Sewer Capital Costs & Funding Strategy

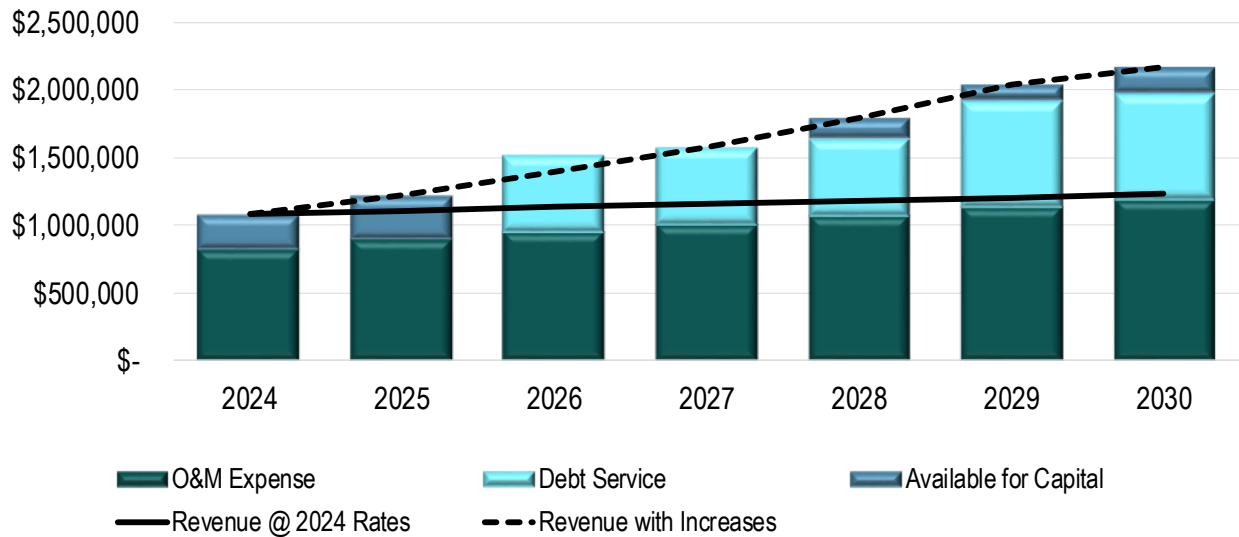


Reflecting assumed construction cost inflation of 5.0% per year, **Exhibit 6** indicates that the sewer utility will spend \$12.0 million on capital projects that it plans to complete between 2024 and 2030. The full capital program through 2042 includes \$14.5 million of anticipated expenditures, with the remaining \$2.5 million occurring outside of the six-year planning period. Existing cash balances, funding generated from sewer rates, and sewer SDC revenues are expected to be adequate to fund only about \$8.2 million (68%) of the projected 2024 – 2030 expenditures, requiring additional funding to cover the remaining \$3.8 million (32%). Assuming that the City will fund this cost by issuing 40-year revenue bonds with an interest rate of 4.5% and issuance costs equal to 1.0% of the amount issued, this borrowing is estimated to increase the sewer utility’s annual debt service obligations by \$221,000.

III.C. EVALUATION OF REVENUE SUFFICIENCY

Exhibit 7 and **Exhibit 8** summarize the annual revenue requirements for the water utility and the sewer utility, respectively, based on the forecast of revenues, expenses, and fund balances.

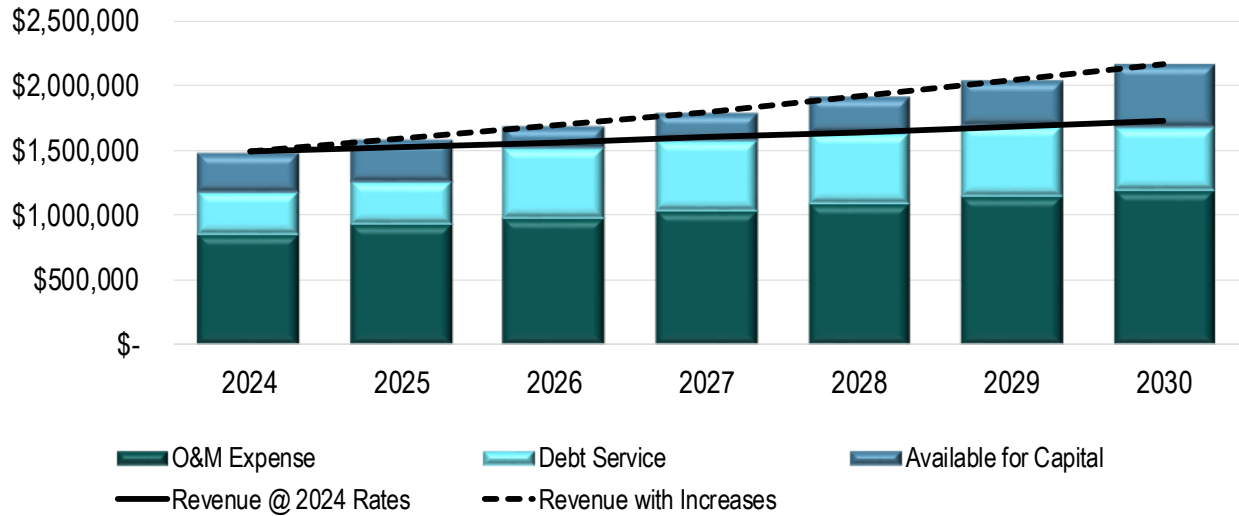
Exhibit 7: Water Utility Revenue Requirement Summary



Water Revenue Requirement (\$000s)	2024	2025	2026	2027	2028	2029	2030
Expenses							
Operating Expenses	\$ 828	\$ 889	\$ 933	\$ 980	\$1,030	\$1,082	\$1,129
Debt Service ¹	-	-	575	575	575	784	784
System Reinvestment	149	149	149	149	149	149	149
Total	\$ 977	\$1,038	\$1,657	\$1,704	\$1,754	\$2,015	\$2,062
Revenues							
Rate Revenue @ Existing Rates	\$ 977	\$1,001	\$1,026	\$1,050	\$1,076	\$1,103	\$1,130
Other Operating Revenue	106	107	108	105	103	103	104
Total	\$1,083	\$1,108	\$1,134	\$1,155	\$1,179	\$1,206	\$1,234
Net Cash Flow @ Existing Rates	\$ 106	\$ 70	(\$ 523)	(\$ 549)	(\$ 575)	(\$ 809)	(\$ 828)
Annual Water Rate Revenue Increase		12.0%	12.0%	12.0%	12.0%	12.0%	4.0%
Cumulative Water Rate Revenue Increase		12.0%	25.4%	40.5%	57.4%	76.2%	83.3%
Rate Revenue After Increases	\$ 977	\$1,121	\$1,286	\$1,476	\$1,694	\$1,944	\$2,071
Net Cash Flow After Increases	\$ 106	\$ 182	(\$ 281)	(\$ 153)	(\$ 1)	(\$ 27)	\$ 47
Debt Service Coverage After Increases	(N/A)	(N/A)	1.74	2.17	2.39	2.02	2.19
Projected Ending Reserve Balances							
Operating Reserve	\$1,241	\$1,323	\$ 392	\$ 239	\$ 239	\$ 180	\$ 188
Capital Improvement Reserve	269	8	7,878	1,712	32	1,876	52
Capital Replacement Reserve	864	918	972	1,027	1,083	1,139	1,195
SDC Fund	2,686	3,237	-	-	220	463	731
Total	\$5,060	\$5,486	\$9,242	\$2,978	\$1,574	\$3,658	\$2,166
Total as Days of Operating Expenses	2,230	2,232	3,546	1,077	535	1,170	662

¹The forecast assumes that the water utility issues revenue bonds for \$10.6 million (to provide \$9.9 million in net proceeds for the capital plan) in 2026 and \$3.8 million (to provide \$3.6 million in net proceeds) in 2029, but in practice the City will work with its financial advisor to determine the most cost-effective way to structure the bonds.

Exhibit 8: Sewer Utility Revenue Requirement Summary



Sewer Revenue Requirement (\$000s)	2024	2025	2026	2027	2028	2029	2030
Expenses							
Operating Expenses	\$ 856	\$ 926	\$ 970	\$1,016	\$1,066	\$1,117	\$1,159
Debt Service	332	332	552	554	553	553	490
System Reinvestment	46	46	46	46	46	46	46
Total	\$1,234	\$1,304	\$1,568	\$1,616	\$1,665	\$1,716	\$1,695
Revenues							
Rate Revenue @ Existing Rates	\$1,450	\$1,485	\$1,522	\$1,560	\$1,598	\$1,637	\$1,677
Other Operating Revenue	42	42	42	44	45	45	45
Total	\$1,492	\$1,528	\$1,564	\$1,603	\$1,643	\$1,682	\$1,722
Net Cash Flow @ Existing Rates	\$ 258	\$ 223	(\$ 4)	(\$ 12)	(\$ 22)	(\$ 33)	\$ 27
Annual Sewer Rate Revenue Increase		4.0%	4.0%	4.0%	4.0%	4.0%	4.0%
Cumulative Sewer Rate Revenue Increase		4.0%	8.2%	12.5%	17.0%	21.7%	26.5%
Rate Revenue After Increases	\$1,450	\$1,545	\$1,646	\$1,754	\$1,869	\$1,992	\$2,122
Net Cash Flow After Increases	\$ 258	\$ 278	\$ 112	\$ 169	\$ 230	\$ 296	\$ 440
Debt Service Coverage After Increases	3.06	3.20	2.06	2.26	2.40	2.52	3.08
Projected Ending Reserve Balances							
Operating Reserve	\$ 143	\$ 154	\$ 162	\$ 169	\$ 178	\$ 186	\$ 193
Capital Improvement Reserve	1,806	1,381	4,555	2,553	3	93	321
Capital Replacement Reserve	869	925	979	1,035	1,091	1,149	1,206
SDC Fund	3,172	1,723	191	-	-	401	834
Total	\$5,990	\$4,183	\$5,887	\$3,757	\$1,272	\$1,829	\$2,554
Total as Days of Operating Expenses	2,554	1,641	2,196	1,332	428	585	783

Exhibit 7 shows that at the City's current water rates, the water utility is expected to collect enough revenue to cover its operating costs and the planned transfers to the Capital Improvement Reserve and Capital Replacement Reserve. The addition of debt service beginning in 2026 drives the water utility into a cash-flow deficit. The projected annual debt service payment of \$784,000 is expected to require a water rate increase of approximately 80%, which **Exhibit 7** shows being spread over the 2025 – 2030 planning period. The need to maintain an Operating Reserve balance of at least two months of operating expenses (which by 2029 is projected to be about \$180,000) limits the City's ability to spread the rate increase into 2030. Given the compounding effects of multi-year rate increases, the strategy of rate revenue increases shown in **Exhibit 7** results in a cumulative rate revenue increase of about 83% by 2030. Though the majority of this increase is attributable to the projected debt service, inflation also puts some upward pressure on rates.

Exhibit 8 shows that at the City's current sewer rates, the sewer utility is expected to collect enough revenue to cover its operating expenses, debt service, and capital transfers. The addition of about \$221,000 in annual debt service (along with rising operating costs) puts upward pressure on sewer rates – however, it appears that inflationary increases of 4.0% per year will be enough to cover the sewer utility's costs and meet its applicable reserve balance targets.

Exhibit 7 and **Exhibit 8** show the City completely spending the balances in the Water SDC Fund and the Sewer SDC Fund, respectively, by 2026. Future SDC revenues begin to replenish the balance beginning in 2028 for the water utility and in 2029 for the sewer utility. If growth occurs more slowly than expected and the City experiences a shortfall in SDC revenues, the City may have to consider borrowing more and/or delaying some growth-related capital projects.

Section IV. WATER RATE DESIGN

Exhibit 9 presents the City’s existing water rate structure:

Exhibit 9: Existing Water Rate Structure

Water Rates as of July 1, 2023	
Monthly Base Charge	
3/4" Meter	\$19.37
1" or 1-1/2" Meter	\$21.72
2" Meter	\$24.07
3" or Larger Meter	\$58.70
Volume Charge per ccf	\$1.00

The revenue requirement analysis establishes the amount of rate revenue that the City must collect from each utility through rates, informing across-the-board adjustments to the existing rate structure. Absent any other analysis, the default or “status-quo” option would be to apply the rate revenue increases shown in **Exhibit 7** (12.0% per year through 2029, 4.0% in 2030) to the rates shown in **Exhibit 9**. The advantages to this approach are its simplicity and proportionality in terms of rate impacts (all customers would see the same percent increase in their water bill).

However, the City requested the development of an alternative water rate structure that could recover costs from customers more equitably than the existing structure. Our review of the City’s water rate structure identified several potential refinements, each of which are discussed further below.

Multi-Family Base Charges

Under the existing structure, multi-family accounts pay the base charge corresponding to the size of their water meter for each dwelling unit connected to the meter. For example, a 10-unit apartment building connected to a 2” water meter would pay a monthly base charge of $\$24.07 \times 10 = \240.70 . In the utility industry, there are typically two approaches to setting base charges for multi-family accounts:

- **“Potential Demand” Approach:** Under this approach, a multi-family account would pay a base charge based on the size of their water meter as a representation of how much water they *could* use (as defined by the physical flow capacity of the meter).
- **“Expected Demand” Approach:** This approach equates a multi-family account to an equivalent number of single-family homes based on the number of dwelling units being (or that could be) served. Though some utilities charge each dwelling unit as if it were a detached single-family home, many utilities assign a reduced number of equivalent dwelling units (EDUs) to multi-family accounts based on the average water consumption per dwelling unit (as a percentage of the average water consumption of a single-family home).

The City’s current practice effectively charges multi-family accounts based on both of these methods, which is uncommon in our experience and likely results in them overpaying relative to the cost that the City incurs to serve them. We recommend that the City revise its billing practice to reflect only one of the approaches listed above (charging based on meter size or the number of dwelling units, but not both).

Considering the estimated revenue impacts to the water utility, City staff expressed a preference for the “expected demand” approach and opted to charge multi-family accounts the base charge for a 3/4” meter for each dwelling unit. The water financial plan presented in **Exhibit 4** reflects this change.

Recalibration of Base Charge Structure

The existing base charge structure increases with meter size at a relatively modest rate, grouping customers with different meter sizes together in some cases. The costs that are recovered through the base charge can be separated into two categories:

- Fixed costs that do not vary with meter size, capacity needs, or water usage are most equitably spread equally across all customers and built into a charge per account.
- Fixed costs that are associable with direct operations and scale with the system’s size (capacity) are most equitably spread across customers based on their water meter size as a representation of their capacity needs. These costs are built into a charge per meter equivalent; as shown below in **Exhibit 10**, meter equivalents are assigned to meters based on their maximum continuous flow capacity in gallons per minute (gpm):

Exhibit 10: Summary of Meter Equivalency Ratios

Meter Size	Maximum Continuous Flow Capacity ¹	Number of Meter Equivalents
3/4” x 3/4” Meter	30 gpm	1.00
1” Meter	50 gpm	1.67
1-1/2” Meter	100 gpm	3.33
2” Meter	160 gpm	5.33
3” Meter	320 gpm	10.67
4” Meter	500 gpm	16.67
6” Meter	1,000 gpm	33.33
8” Meter	1,600 gpm	53.33

¹Per American Water Works Association’s Manual M1: Principles of Water Rates, Fees, and Charges.

Exhibit 10 shows significant increases in the potential capacity needs of a connection as the size of the meter increases. For example, a customer with a 3” meter can use more than ten times the amount of water that a customer with a 3/4” meter can use – recognizing this difference in potential demand, the meter-equivalent component of the base charge should scale up accordingly for the customer with the 3” meter.

We assigned the water utility's fixed costs between the charge per account and the charge per meter equivalent based on the descriptions outlined above, arriving at an approximately even split between the two charge components.

Cost Recovery Through Base Versus Volume Charges

2022 customer billing data provided by the City suggests that the existing volume charge of \$1.00 per ccf generates approximately 37% of the City's water rate revenue. While this falls within the general range of cost recovery through volume charges that can be observed among water utilities in the Pacific Northwest, City staff requested an alternative water rate structure targeting 50% of revenue generation through volume charges to provide stronger incentives for customers to conserve water. By encouraging conservation, the City may be able to delay or avoid drilling a new well and constructing a transmission line in the late 2030s.

Exhibit 11 summarizes the proposed water rate structure:

Exhibit 11: Proposed Water Rate Structure

Water Rates Effective	Current	Proposed					
	July 1, 2023	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028	July 1, 2029
Monthly Base Charge							
3/4" Meter	\$19.37	\$20.84	\$22.42	\$24.12	\$25.95	\$27.92	\$29.04
1" Meter	\$21.72	\$27.15	\$29.21	\$31.42	\$33.81	\$36.37	\$37.83
1-1/2" Meter	\$21.72	\$42.91	\$46.17	\$49.67	\$53.44	\$57.49	\$59.79
2" Meter	\$24.07	\$61.82	\$66.52	\$71.56	\$77.00	\$82.84	\$86.15
3" Meter	\$58.70	\$112.27	\$120.79	\$129.95	\$139.82	\$150.43	\$156.45
4" Meter	\$58.70	\$169.01	\$181.84	\$195.64	\$210.49	\$226.47	\$235.52
6" Meter	\$58.70	\$326.64	\$351.43	\$378.11	\$406.80	\$437.68	\$455.19
8" Meter	\$58.70	\$515.80	\$554.95	\$597.07	\$642.38	\$691.14	\$718.78
Volume Charge per ccf	\$1.00	\$1.24	\$1.47	\$1.73	\$2.03	\$2.37	\$2.46

We also developed a water rate structure alternative that recalibrated the base charge structure but kept the share of costs recovered through volume charges at the existing level of 37%. After considering both options, the City Council selected the rate structure shown in **Exhibit 11**.

It is important to note that the rate structure shown in **Exhibit 11** reflects a number of economic, financial, and planning assumptions. While FCS GROUP has used reputable sources of information to formulate these assumptions (and validate them with City staff) where possible, the actual financial performance of the City's utilities may differ from the projections summarized in this report due to uncontrollable factors. There are a variety of these factors that could contribute to the need to revisit rate increases before 2030, including:

- **Inflation:** The forecasts assume 4.0% annual cost inflation based on historical long-term trends. While this assumption is intended to be conservatively high, there is considerable uncertainty regarding how long the recent inflationary trends will continue.

- **Capital Project Costs & Financing Terms:** The water financial plan in particular is being driven by the need to fund several large capital projects. While the cost estimates for these projects reflect reasonably conservative contingencies, there is a chance that they could cost more than projected. In addition, annual debt service on the anticipated bonds might also deviate from the projections in this study depending on the interest rates, issuance costs, and other financing terms that the City is able to secure.
- **Growth:** The water and sewer financial plans reflect growth estimates based on long-term population projections developed by the Population Research Center at Portland State University. The actual growth that occurs could be lower than these estimates due to economic conditions or a variety of other reasons, in which case the City might collect less in SDC revenue than projected. If growth proves to be materially lower than projected, we recommend that the City re-evaluate the list of capital projects and determine which (if any) could possibly be delayed due to the slower growth.
- **Regulatory Requirements:** The forecasts generally assume status-quo operations. Unanticipated environmental regulations may require the City to make additional investments in infrastructure and/or increase ongoing operating costs.

We recommend that the City monitor the financial position of its utilities regularly and take action as needed to address any unanticipated expenses or revenue losses.

Appendix A: Water Rate Model

City of Sisters
Utility Rate Study: Water Model
 Summary

Fiscal Year Ending 6/30:

High Level Summary	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Annual Rate Increases											
Fixed Rates	0.00%	0.00%	12.00%	12.00%	12.00%	12.00%	12.00%	4.00%	4.00%	4.00%	4.00%
Volume Rates	0.00%	0.00%	12.00%	12.00%	12.00%	12.00%	12.00%	4.00%	4.00%	4.00%	4.00%
Operating Reserve - Part of Water Fund											
Beginning Balance	\$ 932,868	\$ 1,135,278	\$ 1,241,289	\$ 1,323,208	\$ 392,337	\$ 239,225	\$ 238,664	\$ 180,340	\$ 188,217	\$ 198,116	\$ 208,634
Total Operating Revenues	1,049,308	1,083,306	1,228,458	1,394,622	1,580,796	1,796,984	2,046,809	2,175,690	2,311,490	2,456,204	2,610,402
Total Operating Expenditures & System Reinvestment	(846,898)	(977,295)	(1,046,540)	(1,675,492)	(1,733,909)	(1,797,544)	(2,074,288)	(2,128,572)	(2,195,525)	(2,266,765)	(2,342,601)
Operating Surplus: Transfers to Capital Fund	-	-	(100,000)	(650,000)	-	-	(30,846)	(39,241)	(106,065)	(178,921)	(256,620)
Cash Surplus / (Deficiency)	202,410	106,011	81,918	(930,870)	(153,112)	(561)	(58,324)	7,877	9,899	10,518	11,181
Ending Fund Balance	1,135,278	1,241,289	1,323,208	392,337	239,225	238,664	180,340	188,217	198,116	208,634	219,815
Capital Improvement Reserve - Part of Water Fund											
Beginning Balance	\$ 528,480	\$ 617,859	\$ 268,931	\$ 8,255	\$ 7,877,511	\$ 1,712,413	\$ 32,373	\$ 1,876,315	\$ 52,525	\$ 233,661	\$ 487,987
Total Capital Inflows	109,379	390,273	206,783	10,654,177	182,869	121,218	3,735,264	162,098	210,685	285,352	365,594
Total Capital Expenditures	(20,000)	(739,200)	(467,460)	(2,784,921)	(6,347,966)	(1,801,259)	(1,891,322)	(1,985,888)	(29,549)	(31,027)	(32,578)
Cash Surplus / (Deficiency)	89,379	(348,927)	(260,677)	7,869,256	(6,165,097)	(1,680,041)	1,843,942	(1,823,789)	181,136	254,325	333,016
Ending Fund Balance	617,859	268,931	8,255	7,877,511	1,712,413	32,373	1,876,315	52,525	233,661	487,987	821,003
Capital Replacement Reserve - Part of Water Fund											
Beginning Balance	\$ 757,784	\$ 810,581	\$ 863,906	\$ 917,764	\$ 972,160	\$ 1,027,101	\$ 1,082,591	\$ 1,138,636	\$ 1,195,241	\$ 1,252,413	\$ 1,310,156
Total Capital Inflows	7,578	8,106	8,639	9,178	9,722	10,271	10,826	11,386	11,952	12,524	13,102
Total Capital Expenditures	-	-	-	-	-	-	-	-	-	-	-
Cash Surplus / (Deficiency)	7,578	8,106	8,639	9,178	9,722	10,271	10,826	11,386	11,952	12,524	13,102
Ending Fund Balance	765,362	818,687	872,545	926,941	981,882	1,037,372	1,093,417	1,150,022	1,207,194	1,264,937	1,323,257
SDC Fund											
Beginning Balance	\$ 1,796,710	\$ 2,172,177	\$ 2,685,733	\$ 3,236,657	\$ -	\$ -	\$ 220,058	\$ 463,168	\$ 731,248	\$ 1,505,551	\$ 2,337,862
Total Capital Inflows	375,467	513,556	550,923	590,777	595,005	633,998	677,748	724,450	774,303	832,311	894,192
Total Capital Expenditures	-	-	-	(3,827,433)	(595,005)	(413,941)	(434,638)	(456,370)	-	-	-
Cash Surplus / (Deficiency)	375,467	513,556	550,923	(3,236,657)	-	220,058	243,110	268,080	774,303	832,311	894,192
Ending Fund Balance	2,172,177	2,685,733	3,236,657	-	-	220,058	463,168	731,248	1,505,551	2,337,862	3,232,054

City of Sisters
Utility Rate Study: Water Model
 Summary

Fiscal Year Ending 6/30:

Capital Fund Summary	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Beginning Capital Balance	\$ 1,286,264	\$ 1,428,440	\$ 1,132,837	\$ 926,018	\$ 8,849,671	\$ 2,739,514	\$ 1,114,964	\$ 3,014,951	\$ 1,247,767	\$ 1,486,074	\$ 1,798,142
Capital Revenues:											
Rate Funded System Reinvestment											
Minimum Policy	\$ 149,313	\$ 149,313	\$ 149,313	\$ 149,313	\$ 149,313	\$ 149,313	\$ 149,313	\$ 149,313	\$ 149,313	\$ 149,313	\$ 149,313
Operating Surplus	-	-	100,000	650,000	-	-	30,846	39,241	106,065	178,921	256,620
Total	\$ 149,313	\$ 149,313	\$ 249,313	\$ 799,313	\$ 149,313	\$ 149,313	\$ 180,159	\$ 188,554	\$ 255,378	\$ 328,234	\$ 405,933
Grants / Outside Sources	-	280,000	-	-	-	-	-	-	-	-	-
Net Debt Proceeds Available for Projects	-	-	-	9,900,000	-	-	3,600,000	-	-	-	-
Interest Earnings	12,863	14,284	11,328	9,260	88,497	27,395	11,150	30,150	12,478	14,861	17,981
Total Capital Revenues and Beginning Fund Balance	\$ 1,448,440	\$ 1,872,037	\$ 1,393,478	\$ 11,634,592	\$ 9,087,481	\$ 2,916,222	\$ 4,906,272	\$ 3,233,654	\$ 1,515,623	\$ 1,829,169	\$ 2,222,057
Capital Project Expenditures	\$ (20,000)	\$ (739,200)	\$ (467,460)	\$ (2,784,921)	\$ (6,347,966)	\$ (1,801,259)	\$ (1,891,322)	\$ (1,985,888)	\$ (29,549)	\$ (31,027)	\$ (32,578)
Ending Capital Balance	\$ 1,428,440	\$ 1,132,837	\$ 926,018	\$ 8,849,671	\$ 2,739,514	\$ 1,114,964	\$ 3,014,951	\$ 1,247,767	\$ 1,486,074	\$ 1,798,142	\$ 2,189,479
<i>Minimum Target</i>	\$ 803,003	\$ 848,222	\$ 893,441	\$ 938,660	\$ 983,879	\$ 1,029,098	\$ 1,074,317	\$ 1,119,536	\$ 1,164,755	\$ 1,209,974	\$ 1,255,193
Notes:	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Debt-to-Net Assets Ratio	0.00	0.00	0.00	0.47	0.46	0.44	0.51	0.49	0.48	0.47	0.46
Debt Service as a Portion of Rates	0.0%	0.0%	0.0%	44.7%	39.0%	33.9%	40.3%	37.9%	35.5%	33.3%	31.3%

City of Sisters
Utility Rate Study: Water Model
 Summary

Fiscal Year Ending 6/30:

Operating Fund Summary	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Summary of Existing Operations Before Rate Increases											
Rate Revenues Under Existing Rates	\$ 937,070	\$ 976,904	\$ 1,000,889	\$ 1,025,462	\$ 1,050,640	\$ 1,076,435	\$ 1,102,864	\$ 1,129,941	\$ 1,157,684	\$ 1,186,107	\$ 1,215,228
SDC Revenue Towards Debt Service	-	-	-	-	-	-	-	-	-	-	-
Non-Rate Revenues	112,239	106,403	107,463	108,282	104,723	103,192	103,187	104,694	104,773	104,872	104,977
Total Revenues	1,049,308	1,083,306	1,108,352	1,133,745	1,155,363	1,179,627	1,206,050	1,234,635	1,262,457	1,290,979	1,320,206
Total Expenditures	(846,898)	(977,295)	(1,038,133)	(1,657,231)	(1,704,128)	(1,754,329)	(2,015,435)	(2,062,698)	(2,122,093)	(2,185,199)	(2,252,287)
Transfers to Capital	-	-	(100,000)	(650,000)	-	-	(30,846)	(39,241)	(106,065)	(178,921)	(256,620)
Total Expenditures & Transfers	(846,898)	(977,295)	(1,138,133)	(2,307,231)	(1,704,128)	(1,754,329)	(2,046,281)	(2,101,939)	(2,228,159)	(2,364,121)	(2,508,907)
Cash Surplus / (Deficiency)	\$ 202,410	\$ 106,011	\$ (29,781)	\$ (1,173,486)	\$ (548,765)	\$ (574,702)	\$ (840,230)	\$ (867,304)	\$ (965,702)	\$ (1,073,142)	\$ (1,188,701)
Annual Rate Increase	0.00%	0.00%	12.00%	12.00%	12.00%	12.00%	12.00%	4.00%	4.00%	4.00%	4.00%
Cumulative Rate Increase	0.00%	0.00%	12.00%	25.44%	40.49%	57.35%	76.23%	83.28%	90.61%	98.24%	106.17%
Revenues After Rate Increases											
Rate Revenues (Before Rate Increases)	\$ 937,070	\$ 976,904	\$ 1,000,889	\$ 1,025,462	\$ 1,050,640	\$ 1,076,435	\$ 1,102,864	\$ 1,129,941	\$ 1,157,684	\$ 1,186,107	\$ 1,215,228
Additional Revenue from Rate Increases	-	-	120,107	260,878	425,433	617,356	840,759	941,055	1,049,034	1,165,225	1,290,196
SDC Revenue Towards Debt Service	-	-	-	-	-	-	-	-	-	-	-
Other Revenues & Interest	112,239	106,403	107,463	108,282	104,723	103,192	103,187	104,694	104,773	104,872	104,977
Total Revenues With Rate Increases	\$ 1,049,308	\$ 1,083,306	\$ 1,228,458	\$ 1,394,622	\$ 1,580,796	\$ 1,796,984	\$ 2,046,809	\$ 2,175,690	\$ 2,311,490	\$ 2,456,204	\$ 2,610,402
Expenses & Transfers											
Cash Operating Expenses	\$ 697,585	\$ 827,982	\$ 888,820	\$ 932,924	\$ 979,821	\$ 1,030,022	\$ 1,082,039	\$ 1,129,302	\$ 1,188,697	\$ 1,251,804	\$ 1,318,891
Existing Debt Service	-	-	-	-	-	-	-	-	-	-	-
New Debt Service	-	-	-	574,994	574,994	574,994	784,083	784,083	784,083	784,083	784,083
Capital Improvement Reserve Contribution	104,094	104,094	104,094	104,094	104,094	104,094	104,094	104,094	104,094	104,094	104,094
Capital Replacement Reserve Contribution	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219
Additional Taxes After Rate Increase	-	-	8,407	18,261	29,780	43,215	58,853	65,874	73,432	81,566	90,314
Transfer of Surplus to Capital	-	-	100,000	650,000	-	-	30,846	39,241	106,065	178,921	256,620
Total Expenses	\$ 846,898	\$ 977,295	\$ 1,146,540	\$ 2,325,492	\$ 1,733,909	\$ 1,797,544	\$ 2,105,134	\$ 2,167,813	\$ 2,301,591	\$ 2,445,687	\$ 2,599,221
Additions / (Subtractions) to Operating Fund Balance	202,410	106,011	81,918	(930,870)	(153,112)	(561)	(58,324)	7,877	9,899	10,518	11,181
Impacts to Operating Fund Balance											
Beginning Operating Balance	\$ 932,868	\$ 1,135,278	\$ 1,241,289	\$ 1,323,208	\$ 392,337	\$ 239,225	\$ 238,664	\$ 180,340	\$ 188,217	\$ 198,116	\$ 208,634
Net Cash Flow After Transfers to Capital	202,410	106,011	81,918	(930,870)	(153,112)	(561)	(58,324)	7,877	9,899	10,518	11,181
Ending Operating Balance	\$ 1,135,278	\$ 1,241,289	\$ 1,323,208	\$ 392,337	\$ 239,225	\$ 238,664	\$ 180,340	\$ 188,217	\$ 198,116	\$ 208,634	\$ 219,815
<i>Minimum Operating Balance Target</i>	\$ 116,264	\$ 137,997	\$ 148,137	\$ 155,487	\$ 163,304	\$ 171,670	\$ 180,340	\$ 188,217	\$ 198,116	\$ 208,634	\$ 219,815
Net Cash Flow After Rate Increase	202,410	106,011	181,918	(280,870)	(153,112)	(561)	(27,479)	47,118	115,965	189,439	267,801
Coverage After Rate Increase: w/ SDCs	n/a	n/a	n/a	1.74	2.17	2.39	2.02	2.19	2.32	2.48	2.65
Sample Residential Monthly Bill [a]	\$ 25.69	\$ 26.37	\$ 29.53	\$ 33.04	\$ 37.00	\$ 41.45	\$ 46.44	\$ 48.29	\$ 50.20	\$ 52.24	\$ 54.34
[a] Average 3/4" Residential Monthly Bill; In-City; 7 CCF consumption											

City of Sisters
Utility Rate Study: Water Model
Assumptions

Fiscal Year Ending 6/30:

Economic & Financial Factors	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Escalation Rates											
General Cost Inflation	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Construction Cost Inflation	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
Labor Cost Inflation	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Account Growth	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%
General Inflation Plus Growth	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%
No Escalation	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
PERS Inflation	0.00%	25.00%	0.00%	25.00%	0.00%	25.00%	0.00%	25.00%	0.00%	25.00%	0.00%
PERS + Labor Inflation	4.00%	30.00%	4.00%	30.00%	4.00%	30.00%	4.00%	30.00%	4.00%	30.00%	4.00%
Medical Inflation	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
Medical + Labor Inflation	9.20%	9.20%	9.20%	9.20%	9.20%	9.20%	9.20%	9.20%	9.20%	9.20%	9.20%
Credit Card Fee Inflation	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
[Extra]	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Investment Interest	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Tax Rates											
Franchise Fee	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%

Accounting & Financial Policy Assumptions	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Beginning Fund Balances											
Operating Reserve	\$ 932,868										
Capital Improvement Reserve	528,480										
Capital Replacement Reserve	757,784										
SDC Fund	1,796,710										
Debt Reserve Fund	-										
	\$ 4,015,842										
Total Operating and Capital Cash Test: Days of O&M	180 days	180 days	180 days	180 days	180 days	180 days	180 days	180 days	180 days	180 days	180 days
<i>(Informational only--does not drive rate increases)</i>											
Fund Balance Target: Minimum & Maximum Operating Balances											
Min. Fund Balance Target (Months of O&M expense)	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months
Max. Fund Balance (Months of O&M expense)	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months
Fund Balance Target: Capital											
Capital Improvement Reserve	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Replacement Reserve	\$ 803,003	\$ 848,222	\$ 893,441	\$ 938,660	\$ 983,879	\$ 1,029,098	\$ 1,074,317	\$ 1,119,536	\$ 1,164,755	\$ 1,209,974	\$ 1,255,193
Rate Funded System Reinvestment											
Capital Improvement Reserve	\$ 104,094	\$ 104,094	\$ 104,094	\$ 104,094	\$ 104,094	\$ 104,094	\$ 104,094	\$ 104,094	\$ 104,094	\$ 104,094	\$ 104,094
Capital Replacement Reserve	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219
Total	\$ 149,313	\$ 149,313	\$ 149,313	\$ 149,313	\$ 149,313	\$ 149,313	\$ 149,313	\$ 149,313	\$ 149,313	\$ 149,313	\$ 149,313
<i>Actual Result With Transfers (compared to Annual Depreciation)</i>	57%	57%	102%	356%	28%	19%	22%	22%	29%	39%	50%

City of Sisters
Utility Rate Study: Water Model
Assumptions

Fiscal Year Ending 6/30:

Capital Financing Assumptions		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
System Development Charges												
Annual Inflationary Increase				4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Existing System Development Charge												
Reimbursement Fee	\$	1,845	\$ 1,886	\$ 1,961	\$ 2,040	\$ 2,121	\$ 2,206	\$ 2,295	\$ 2,386	\$ 2,482	\$ 2,581	\$ 2,684
Improvement Fee		1,918	5,154	5,360	5,575	5,798	6,029	6,271	6,521	6,782	7,054	7,336
Administration Fee @ 5%		188	352	366	381	396	412	428	445	463	482	501
Total	\$	3,951	\$ 7,392	\$ 7,688	\$ 7,995	\$ 8,315	\$ 8,648	\$ 8,993	\$ 9,353	\$ 9,727	\$ 10,116	\$ 10,521
Citywide												
Total Meter Equivalents		2,710	2,777	2,845	2,915	2,986	3,059	3,135	3,211	3,290	3,371	3,454
Additional Meter Equivalent per Year		65	67	68	70	72	73	75	77	79	81	83
Reimbursement Fee Revenue	\$	119,817	\$ 125,487	\$ 133,711	\$ 142,473	\$ 151,810	\$ 161,759	\$ 172,360	\$ 183,655	\$ 195,691	\$ 208,515	\$ 222,180
Improvement Fee Revenue		124,558	342,927	365,400	389,346	414,862	442,049	471,019	501,886	534,777	569,823	607,166
Total SDC Revenue to Use in Model	\$	357,500	\$ 491,834	\$ 524,066	\$ 558,410	\$ 595,005	\$ 633,998	\$ 675,547	\$ 719,818	\$ 766,991	\$ 817,255	\$ 870,813
System Development Charges Towards Debt Service												
Total Annual Debt Service	\$	-	\$ -	\$ -	\$ 574,994	\$ 574,994	\$ 574,994	\$ 784,083	\$ 784,083	\$ 784,083	\$ 784,083	\$ 784,083
Total Annual SDCs	\$	357,500	\$ 491,834	\$ 524,066	\$ 558,410	\$ 595,005	\$ 633,998	\$ 675,547	\$ 719,818	\$ 766,991	\$ 817,255	\$ 870,813
Total SDCs for Debt Service		-	-	-	-	-	-	-	-	-	-	-
Total Improvement Fee SDCs for Capital	\$	357,500	\$ 491,834	\$ 524,066	\$ 558,410	\$ 595,005	\$ 633,998	\$ 675,547	\$ 719,818	\$ 766,991	\$ 817,255	\$ 870,813
Actual % SDCs to Pay for Debt Service		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Outside Funding Sources (Uses)												
Capital Grants / Contributions												
ARPA Funding for VFD at Well No. 3 [Extra]	Function	\$	- \$ 280,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total: Capital Grants / Contributions		\$	- \$ 280,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Revenue Bonds												
Term (Years)		40 Years	40 Years	40 Years	40 Years	40 Years	40 Years	40 Years	40 Years	40 Years	40 Years	40 Years
Interest Only Payments (Years)		0 Years	0 Years	0 Years	0 Years	0 Years	0 Years	0 Years	0 Years	0 Years	0 Years	0 Years
Interest Cost		4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%
Issuance Cost		1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Coverage Requirement (w/o SDCs)		1.50										
Use Reserves to Pay for Last Payment?		Yes										

City of Sisters
 Utility Rate Study: Water Model
 Operating Revenue and Expenditure Forecast

			Projected										
			Actuals	Budget									
Fiscal Year Ending 6/30:			2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Operating Revenues			Forecast Basis										
Rate Revenues													
02-4-00-371	Water Receipts	Account Growth	\$ 937,070	\$ 976,904	\$ 1,000,889	\$ 1,025,462	\$ 1,050,640	\$ 1,076,435	\$ 1,102,864	\$ 1,129,941	\$ 1,157,684	\$ 1,186,107	\$ 1,215,228
Total Rate Revenue			\$ 937,070	\$ 976,904	\$ 1,000,889	\$ 1,025,462	\$ 1,050,640	\$ 1,076,435	\$ 1,102,864	\$ 1,129,941	\$ 1,157,684	\$ 1,186,107	\$ 1,215,228
Non-Rate Revenues													
02-4-00-314	PUBLIC WORKS FEES	No Escalation	\$ 8,359	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000
02-4-00-323	TSID IRRIGATION	No Escalation	-	-	-	-	-	-	-	-	-	-	-
02-4-00-324	WATER PROCESSING/TRANS FEE	No Escalation	7,580	4,500	4,500	4,500	4,500	4,500	4,500	4,500	4,500	4,500	4,500
02-4-00-325	WATER PENALTIES	No Escalation	9,365	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000
02-4-00-341	BACKFLOW TESTING FEES	No Escalation	14,856	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
02-4-00-342	SALE OF ASSETS	No Escalation	-	-	-	-	-	-	-	-	-	-	-
02-4-00-359	WATER MITIGATION FEES	No Escalation	11,939	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000
02-4-00-360	MISCELLANEOUS	No Escalation	50	150	150	150	150	150	150	150	150	150	150
02-4-00-362	REFUNDS/REIMBURSEMENTS	No Escalation	-	-	-	-	-	-	-	-	-	-	-
02-4-00-372	SERVICE RECONNECT FEE	No Escalation	1,620	400	400	400	400	400	400	400	400	400	400
02-4-00-373	METER INSTALL	No Escalation	30,545	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
02-4-00-377	BULK WATER	No Escalation	16,096	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
02-4-00-388	WATER TAP FEE	No Escalation	2,500	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
02-4-00-650	STATE GRANTS	No Escalation	-	-	-	-	-	-	-	-	-	-	-
02-4-00-509	TRANSFERS FROM OTHER FUNDS	No Escalation	-	-	-	-	-	-	-	-	-	-	-
Total Non-Rate Revenues			\$ 102,910	\$ 95,050	\$ 95,050	\$ 95,050	\$ 95,050	\$ 95,050	\$ 95,050	\$ 95,050	\$ 95,050	\$ 95,050	\$ 95,050
TOTAL OPERATING REVENUES			\$ 1,039,980	\$ 1,071,954	\$ 1,095,939	\$ 1,120,512	\$ 1,145,690	\$ 1,171,485	\$ 1,197,914	\$ 1,224,991	\$ 1,252,734	\$ 1,281,157	\$ 1,310,278

Operating Expenses			Charge Type	Forecast Basis	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
TRANSFERS															
02-5-00-602	TRANSFER TO CITY HALL FUND	Admin/Overhead	No Escalation	\$ 8,700	\$ 8,600	\$ 8,949	\$ 8,816	\$ 8,843	\$ 9,357	\$ 8,670	\$ -	\$ -	\$ -	\$ -	\$ -
SUBTOTAL TRANSFERS				\$ 8,700	\$ 8,600	\$ 8,949	\$ 8,816	\$ 8,843	\$ 9,357	\$ 8,670	\$ -	\$ -	\$ -	\$ -	\$ -
PERSONNEL SERVICES															
SALARIES AND WAGES			[Calculated]	Labor Cost Inflation	\$ 203,657	\$ 259,088	\$ 305,952	\$ 318,190	\$ 330,917	\$ 344,154	\$ 357,920	\$ 372,237	\$ 387,126	\$ 402,611	\$ 418,716
PAYROLL TAXES, INSURANCE, AND BENEFITS			[Calculated]	Medical + Labor Inflation	121,484	153,886	168,044	183,504	200,386	218,821	238,953	260,937	284,943	311,157	339,784
02-5-00-500	CITY MANAGER	Admin/Overhead	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-502	ADMIN ASST	Admin/Overhead	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-503	PUBLIC WORKS DIRECTOR	Admin/Overhead	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-504	UTILITY TECHNICIAN II	Direct O&M/Capital	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-505	UTILITY TECHNICIAN I	Direct O&M/Capital	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-511	UTILITY ASST	Direct O&M/Capital	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-513	OVERTIME	Direct O&M/Capital	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-515	PLANNING TECHNICIAN	Direct O&M/Capital	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-518	ACCOUNTING TECHNICIAN	Admin/Overhead	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-519	DATA ANALYST	Admin/Overhead	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-521	FINANCE OFFICER	Admin/Overhead	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-522	PUBLIC WORKS OPS COORDINATOR	Direct O&M/Capital	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-524	MAINTENANCE LEAD	Direct O&M/Capital	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-525	PROJECT COORDINATOR	Direct O&M/Capital	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-527	CITY RECORDER	Admin/Overhead	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-529	FINANCE & ADMIN DIRECTOR	Admin/Overhead	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-533	MAINTENANCE SUPERVISOR	Direct O&M/Capital	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-573	ON CALL COMPENSATION	Direct O&M/Capital	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-580	BONUS	Admin/Overhead	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-581	SOCIAL SECURITY	Admin/Overhead	Medical + Labor Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-582	WORKER'S COMP	Admin/Overhead	Medical + Labor Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-583	PERS/OSPRS	Admin/Overhead	PERS + Labor Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-584	MED/DENT/VISION INSURANCE	Admin/Overhead	Medical + Labor Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-586	LTD	Admin/Overhead	Medical + Labor Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-587	LIFE INSURANCE	Admin/Overhead	Medical + Labor Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-588	UNEMPLOYMENT INS.	Admin/Overhead	Medical + Labor Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-589	MEDICARE	Admin/Overhead	Medical + Labor Inflation	-	-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL PERSONNEL SERVICES				\$ 325,141	\$ 412,974	\$ 473,995	\$ 501,693	\$ 531,303	\$ 562,975	\$ 596,873	\$ 633,173	\$ 672,069	\$ 713,769	\$ 758,500	

City of Sisters
Utility Rate Study: Water Model
 Operating Revenue and Expenditure Forecast

			Fiscal Year Ending 6/30:										
			Actuals	Budget									
Operating Expenses (Continued)	Charge Type	Forecast Basis	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
MATERIALS & SERVICES													
02-5-00-704	RECRUITMENT	Admin/Overhead	\$ 365	\$ 400	\$ 416	\$ 433	\$ 450	\$ 468	\$ 487	\$ 506	\$ 526	\$ 547	\$ 569
02-5-00-705	ADVERTISING	Admin/Overhead	-	-	-	-	-	-	-	-	-	-	-
02-5-00-706	AUDIT FEES	Admin/Overhead	3,620	5,800	6,032	6,273	6,524	6,785	7,057	7,339	7,632	7,938	8,255
02-5-00-710	COMPUTER SOFTWARE MAINT.	Admin/Overhead	7,863	12,500	13,000	13,520	14,061	14,623	15,208	15,816	16,449	17,107	17,791
02-5-00-712	CHEMICALS	Direct O&M/Capital	1,500	2,200	2,288	2,380	2,475	2,574	2,677	2,784	2,895	3,011	3,131
02-5-00-713	DEVELOPMENT REVIEW	Admin/Overhead	1,822	5,000	5,200	5,408	5,624	5,849	6,083	6,327	6,580	6,843	7,117
02-5-00-714	OFFICE SUPPLIES	Admin/Overhead	911	1,300	1,352	1,406	1,462	1,521	1,582	1,645	1,711	1,779	1,850
02-5-00-715	POSTAGE	Admin/Overhead	2,368	18,400	19,136	19,901	20,697	21,525	22,386	23,282	24,213	25,182	26,189
02-5-00-717	OFFICE EQUIPMENT	Admin/Overhead	1,911	500	520	541	562	585	608	633	658	684	712
02-5-00-721	COPIER/PRINTER	Admin/Overhead	527	750	780	811	844	877	912	949	987	1,026	1,067
02-5-00-722	CHLORINATOR REPAIRS	Direct O&M/Capital	-	2,000	2,080	2,163	2,250	2,340	2,433	2,531	2,632	2,737	2,847
02-5-00-726	CONTRACTED SERVICES	Direct O&M/Capital	26,118	42,500	27,163	28,249	29,379	30,554	31,777	33,048	34,370	35,744	37,174
02-5-00-727	PERMITS & FEES	Admin/Overhead	4,549	2,500	2,600	2,704	2,812	2,925	3,042	3,163	3,290	3,421	3,558
02-5-00-733	DUES & SUBSCRIPTIONS	Admin/Overhead	3,469	3,500	3,640	3,786	3,937	4,095	4,258	4,429	4,606	4,790	4,982
02-5-00-735	TELEPHONE	Admin/Overhead	1,176	1,500	1,560	1,622	1,687	1,755	1,825	1,898	1,974	2,053	2,135
02-5-00-736	CELLULAR PHONES	Admin/Overhead	1,195	1,500	1,560	1,622	1,687	1,755	1,825	1,898	1,974	2,053	2,135
02-5-00-740	EDUCATION	Admin/Overhead	2,450	2,500	2,600	2,704	2,812	2,925	3,042	3,163	3,290	3,421	3,558
02-5-00-743	ELECTRICITY	Direct O&M/Capital	44,511	45,000	47,905	50,997	54,289	57,794	61,524	65,496	69,724	74,225	79,016
02-5-00-746	SMALL TOOLS & EQUIPMENT	Direct O&M/Capital	2,566	4,500	4,680	4,867	5,062	5,264	5,475	5,694	5,922	6,159	6,405
02-5-00-748	BACKFLOW TESTING SERVICE	Direct O&M/Capital	17,400	20,000	20,800	21,632	22,497	23,397	24,333	25,306	26,319	27,371	28,466
02-5-00-755	GAS/OIL	Direct O&M/Capital	7,141	7,500	7,800	8,112	8,436	8,774	9,125	9,490	9,869	10,264	10,675
02-5-00-765	IMPROVEMENTS & REPAIRS	Direct O&M/Capital	7,093	12,000	12,480	12,979	13,498	14,038	14,600	15,184	15,791	16,423	17,080
02-5-00-766	INS. COMP/LIA/UMB	Admin/Overhead	17,561	22,000	22,880	23,795	24,747	25,737	26,766	27,837	28,950	30,109	31,313
02-5-00-768	INTERNAL GENERAL FUND SERVICES	Admin/Overhead	10,958	11,725	12,194	12,682	13,189	13,717	14,265	14,836	15,429	16,046	16,688
02-5-00-769	ENGINEERING	Direct O&M/Capital	-	-	-	-	-	-	-	-	-	-	-
02-5-00-770	WATER LOCATE SERVICE	Direct O&M/Capital	254	200	208	216	225	234	243	253	263	274	285
02-5-00-771	MEDICAL TESTING & SERVICES	Admin/Overhead	249	200	208	216	225	234	243	253	263	274	285
02-5-00-772	ROW FRANCHISE FEE	Admin/Overhead	[Calculated]	[Calculated]	[Calculated]	[Calculated]	[Calculated]	[Calculated]	[Calculated]	[Calculated]	[Calculated]	[Calculated]	[Calculated]
02-5-00-775	LABORATORY FEES	Direct O&M/Capital	13,109	5,000	5,200	5,408	5,624	5,849	6,083	6,327	6,580	6,843	7,117
02-5-00-777	LEGAL FEES	Admin/Overhead	323	4,250	4,420	4,597	4,781	4,972	5,171	5,378	5,593	5,816	6,049
02-5-00-779	WATER SYSTEM REPAIRS	Direct O&M/Capital	12,586	10,000	10,400	10,816	11,249	11,699	12,167	12,653	13,159	13,686	14,233
02-5-00-780	CREDIT CARD FEE	Admin/Overhead	16,422	20,000	21,000	22,050	23,153	24,310	25,526	26,802	28,142	29,549	31,027
02-5-00-782	UNIFORMS	Direct O&M/Capital	569	1,000	1,040	1,082	1,125	1,170	1,217	1,265	1,316	1,369	1,423
02-5-00-788	METERS & PARTS	Direct O&M/Capital	75,882	60,000	62,400	64,896	67,492	70,192	72,999	75,919	78,956	82,114	85,399
02-5-00-789	MILEAGE/TRAVEL REIMBURSEM	Admin/Overhead	-	-	-	-	-	-	-	-	-	-	-
02-5-00-790	MISCELLANEOUS	Admin/Overhead	-	-	-	-	-	-	-	-	-	-	-
02-5-00-793	MEETINGS/WORKSHOPS	Admin/Overhead	39	200	208	216	225	234	243	253	263	274	285
02-5-00-795	SUPPLIES	Direct O&M/Capital	3,632	4,000	4,160	4,326	4,499	4,679	4,867	5,061	5,264	5,474	5,693
02-5-00-796	VEHICLE MAINTENANCE	Direct O&M/Capital	7,670	7,500	7,800	8,112	8,436	8,774	9,125	9,490	9,869	10,264	10,675
02-5-00-799	BAD DEBT EXPENSE	Admin/Overhead	-	100	104	108	112	117	122	127	132	137	142
SUBTOTAL MATERIALS & SERVICES			\$ 363,744	\$ 406,408	\$ 405,876	\$ 422,415	\$ 439,675	\$ 457,690	\$ 476,496	\$ 496,129	\$ 516,628	\$ 538,035	\$ 560,391
DEBT SERVICE													
02-5-00-820	IFA LOAN PAYMENT - INTEREST	Admin/Overhead	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
02-5-00-821	IFA LOAN PAYMENT - PRINCIPAL	Admin/Overhead	-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL DEBT SERVICE			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CAPITAL OUTLAY													
02-5-00-906	CAPITAL OUTLAY	Direct O&M/Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUBTOTAL CAPITAL OUTLAY			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
[Extra]													
[Extra]		No Escalation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
[Extra]		No Escalation	-	-	-	-	-	-	-	-	-	-	-
[Extra]		No Escalation	-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL [Extra]			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL CASH OPERATING EXPENSES			\$ 697,585	\$ 827,982	\$ 888,820	\$ 932,924	\$ 979,821	\$ 1,030,022	\$ 1,082,039	\$ 1,129,302	\$ 1,188,697	\$ 1,251,804	\$ 1,318,891
	SHARE ALLOCATED TO	Admin/Overhead	\$ 369,781	\$ 467,696	\$ 515,303	\$ 540,394	\$ 567,175	\$ 596,084	\$ 625,552	\$ 648,927	\$ 683,001	\$ 719,256	\$ 757,857
	SHARE ALLOCATED TO	Direct O&M/Capital	\$ 327,804	\$ 360,287	\$ 373,517	\$ 392,530	\$ 412,646	\$ 433,939	\$ 456,487	\$ 480,375	\$ 505,696	\$ 532,547	\$ 561,035

City of Sisters
Utility Rate Study: Water Model
Existing Debt

Fiscal Year Ending 6/30:

Existing Debt Service - Summary	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Annual Debt Payments											
Revenue Bonds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Bonds	-	-	-	-	-	-	-	-	-	-	-
Other Loans	-	-	-	-	-	-	-	-	-	-	-
Total Debt Payments	-	-	-	-	-	-	-	-	-	-	-

Existing Debt Service - Revenue Bonds	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
TOTAL REVENUE BONDS											
Annual Interest Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment	-	-	-	-	-	-	-	-	-	-	-
Total Annual Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Use of Debt Reserve for Debt Service	-	-	-	-	-	-	-	-	-	-	-
Annual Debt Reserve Target on Existing Revenue	-	-	-	-	-	-	-	-	-	-	-

Existing Debt Service - Other Bonds	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
TOTAL OTHER BONDS											
Annual Interest Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment	-	-	-	-	-	-	-	-	-	-	-
Total Annual Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Existing Debt Service - Other Loans	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
TOTAL OTHER LOANS											
Annual Interest Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment	-	-	-	-	-	-	-	-	-	-	-
Total Annual Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

City of Sisters
 Utility Rate Study: Water Model
 Capital Improvement Program

Project Costs in Year:

2023

Fiscal Year Ending 6/30:

ID	Description	Expenditure by Fund Type				Unescalated Total	UNESCALATED COSTS										
		% SDC Funded	% Improvement Reserve Funded	% Replacement Reserve Funded	Total		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
5-Year Forecast Water Projects																	
	Install VFD and backup power at Well No. 3	0%	100%	0%	100%	280,000		\$ 280,000									
	Rebuild the Well No. 1 pump station building and install a new on-site generator	0%	100%	0%	100%	808,000		404,000	404,000								
	Construct new 2.2 MG water storage tank and rehabilitate the existing 1.6 MG tank	100%	0%	0%	100%	6,283,000				3,141,500	3,141,500						
	Install a new 16-inch PVC transmission line on Edgington Road from the existing 12-inch DI	100%	0%	0%	100%	3,635,000				1,817,500	1,817,500						
	Install a new 16-inch DI transmission line from the existing reservoir to Whyche	TBD				1,466,000				733,000	733,000						
5-to-10-Year Forecast Water Projects																	
	Replace existing AC distribution mains in the Edge O The Pines subdivision	TBD				1,567,000						522,333	522,333	522,333			
	Install new 12-inch PVC water main on Camp Polk Road Extension from East	100%	0%	0%	100%	319,000						106,333	106,333	106,333			
	Install a new 12-inch DI transmission line from the Whychus Creek junction to	TBD				2,504,000						834,667	834,667	834,667			
	Install new 12-inch PVC main from East Desperado Trail to Creekside Drive	100%	0%	0%	100%	654,000						218,000	218,000	218,000			
	Reconnect existing Hood Avenue South Alley water services with new taps, lin	0%	100%	0%	100%	103,000						34,333	34,333	34,333			
>10 Year Forecast Water Projects																	
	Construct new Well No. 5 and transmission line.	100%	0%	0%	100%	2,102,000											
Ongoing Projects																	
	Ongoing water service meter replacement.	0%	100%	0%	100%	400,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
TOTAL CAPITAL PROJECTS						20,121,000	\$ 20,000	\$ 704,000	\$ 424,000	\$5,712,000	\$5,712,000	\$1,735,667	\$1,735,667	\$1,735,667	\$ 20,000	\$ 20,000	\$ 20,000
	Total SDC Projects	SDC Fund				10,891,000	\$ -	\$ -	\$ -	\$4,959,000	\$4,959,000	\$ 324,333	\$ 324,333	\$ 324,333	\$ -	\$ -	\$ -
	Total Improvement Reserve Projects	Improvement Reserve				1,391,000	\$ 20,000	\$ 704,000	\$ 424,000	\$ 20,000	\$ 20,000	\$ 54,333	\$ 54,333	\$ 54,333	\$ 20,000	\$ 20,000	\$ 20,000
	Total Replacement Reserve Projects	Replacement Reserve				0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Projects by CIAC						\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Projects by Enterprise Fund						\$ 20,000	\$ 704,000	\$ 424,000	\$5,712,000	\$5,712,000	\$1,735,667	\$1,735,667	\$1,735,667	\$ 20,000	\$ 20,000	\$ 20,000

City of Sisters
Utility Rate Study: Water Model
Capital Improvement Program

Project Costs in Year:		Annual Escalation:	0.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	
		Cumulative Escalation - 2016:	0.00%	5.00%	10.25%	15.76%	21.55%	27.63%	34.01%	40.71%	47.75%	55.13%	62.89%			
ID	Description	ESCALATED COSTS											ESCALATED TOTAL			
		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033				
	5-Year Forecast Water Projects	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Install VFD and backup power at Well No. 3	-	294,000	-	-	-	-	-	-	-	-	-	-	-	-	294,000
	Rebuild the Well No. 1 pump station building and install a new on-site generator	-	424,200	445,410	-	-	-	-	-	-	-	-	-	-	-	869,610
	Construct new 2.2 MG water storage tank and rehabilitate the existing 1.6 MG	-	-	-	3,636,679	3,818,513	-	-	-	-	-	-	-	-	-	7,455,192
	Install a new 16-inch PVC transmission line on Edgington Road from the existing	-	-	-	2,103,983	2,209,183	-	-	-	-	-	-	-	-	-	4,313,166
	Install a new 16-inch DI transmission line from the existing reservoir to Whyche	-	-	-	848,539	890,966	-	-	-	-	-	-	-	-	-	1,739,505
	5-to-10-Year Forecast Water Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Replace existing AC distribution mains in the Edge O The Pines subdivision	-	-	-	-	-	666,644	699,977	734,975	-	-	-	-	-	-	2,101,596
	Install new 12-inch PVC water main on Camp Polk Road Extension from East	-	-	-	-	-	135,711	142,497	149,622	-	-	-	-	-	-	427,830
	Install a new 12-inch DI transmission line from the Whychus Creek junction to	-	-	-	-	-	1,065,270	1,118,533	1,174,460	-	-	-	-	-	-	3,358,263
	Install new 12-inch PVC main from East Desperado Trail to Creekside Drive	-	-	-	-	-	278,229	292,141	306,748	-	-	-	-	-	-	877,118
	Reconnect existing Hood Avenue South Alley water services with new taps, lin	-	-	-	-	-	43,819	46,010	48,310	-	-	-	-	-	-	138,139
	>10 Year Forecast Water Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Construct new Well No. 5 and transmission line.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,369,907
	Ongoing Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Ongoing water service meter replacement.	20,000	21,000	22,050	23,153	24,310	25,526	26,802	28,142	29,549	31,027	32,578	-	-	-	661,319
	TOTAL CAPITAL PROJECTS	\$ 20,000	\$ 739,200	\$ 467,460	\$ 6,612,354	\$ 6,942,972	\$ 2,215,199	\$ 2,325,959	\$ 2,442,257	\$ 29,549	\$ 31,027	\$ 32,578	\$ 26,605,646			
	Total SDC Projects	\$ -	\$ -	\$ -	\$ 5,740,662	\$ 6,027,695	\$ 413,941	\$ 434,638	\$ 456,370	\$ -	\$ -	\$ -	\$ 17,443,213			
	Total Improvement Reserve Projects	20,000	739,200	467,460	23,153	24,310	69,345	72,812	76,452	29,549	31,027	32,578	1,963,068			
	Total Replacement Reserve Projects	-	-	-	-	-	-	-	-	-	-	-	-			
	Projects by CIAC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
	Projects by Enterprise Fund	\$ 20,000	\$ 739,200	\$ 467,460	\$ 6,612,354	\$ 6,942,972	\$ 2,215,199	\$ 2,325,959	\$ 2,442,257	\$ 29,549	\$ 31,027	\$ 32,578	\$ 26,605,646			

City of Sisters
Utility Rate Study: Water Model
 Capital Funding

Fiscal Year Ending 6/30:

Capital Project Summary	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
TOTAL CAPITAL EXPENDITURES	\$ 20,000	\$ 739,200	\$ 467,460	\$ 6,612,354	\$ 6,942,972	\$ 2,215,199	\$ 2,325,959	\$ 2,442,257	\$ 29,549	\$ 31,027	\$ 32,578

Manual Input Debt Assumptions	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Proceeds - Revenue Bonds	\$ -	\$ -	\$ -	\$ 9,900,000	\$ -	\$ -	\$ 3,600,000	\$ -	\$ -	\$ -	\$ -

*Model will automatically calculate revenue bond debt if 'Revenue Bond Proceeds' is blank.

Capital Financing Plan	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Outside Funding Sources: Grants/CIAC	-	280,000	-	-	-	-	-	-	-	-	-
Balance/Remained to be Funded	\$ 20,000	\$ 459,200	\$ 467,460	\$ 6,612,354	\$ 6,942,972	\$ 2,215,199	\$ 2,325,959	\$ 2,442,257	\$ 29,549	\$ 31,027	\$ 32,578
OTHER FUNDING SOURCES	Available Same Year? (Note: Operating transfers in year N are always assumed to be available in year N + 1.)										
Beginning Fund Balances	\$ 1,286,264	\$ 1,428,440	\$ 1,132,837	\$ 926,018	\$ 8,849,671	\$ 2,739,514	\$ 1,114,964	\$ 3,014,951	\$ 1,247,767	\$ 1,486,074	\$ 1,798,142
Capital Improvement Reserve Contribution	Yes 104,094	104,094	104,094	104,094	104,094	104,094	104,094	104,094	104,094	104,094	104,094
Capital Replacement Reserve Contribution	Yes 45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219
Use of SDC Revenue	Yes 357,500	491,834	524,066	558,410	595,005	633,998	675,547	719,818	766,991	817,255	870,813
Use of SDC Fund Balance	Yes 1,796,710	2,172,177	2,685,733	3,236,657	-	-	220,058	463,168	731,248	1,505,551	2,337,862
Interest Earnings	No -	-	-	-	-	-	-	-	-	-	-
Minimum Capital Balance?	Yes -	-	-	-	-	-	-	-	-	-	-
Revenue Bond Proceeds	-	-	-	9,900,000	-	-	3,600,000	-	-	-	-
TOTAL CAPITAL RESOURCES	\$ 3,589,787	\$ 4,241,764	\$ 4,491,949	\$ 14,770,398	\$ 9,593,989	\$ 3,522,826	\$ 5,759,881	\$ 4,347,250	\$ 2,895,319	\$ 3,958,193	\$ 5,156,130

Info: Working Capital Contingency Deficit

New Debt Computations	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
REVENUE BONDS											
Amount to Fund	\$ -	\$ -	\$ -	\$ 9,900,000	\$ -	\$ -	\$ 3,600,000	\$ -	\$ -	\$ -	\$ -
Issuance Costs	-	-	-	105,808	-	-	38,476	-	-	-	-
Reserve Required	-	-	-	574,994	-	-	209,089	-	-	-	-
Amount of Debt Issue	\$ -	\$ -	\$ -	\$ 10,580,802	\$ -	\$ -	\$ 3,847,564	\$ -	\$ -	\$ -	\$ -

Debt Service Summary	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
EXISTING DEBT SERVICE											
Annual Interest Payments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payments	-	-	-	-	-	-	-	-	-	-	-
Total Debt Service Payments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Revenue Bond Payments Only	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NEW DEBT SERVICE											
Annual Interest Payments	\$ -	\$ -	\$ -	\$ 476,136	\$ 471,687	\$ 467,039	\$ 635,321	\$ 628,627	\$ 621,631	\$ 614,321	\$ 606,682
Annual Principal Payments	-	-	-	98,858	103,307	107,955	148,762	155,456	162,452	169,762	177,401
Total Debt Service Payments	\$ -	\$ -	\$ -	\$ 574,994	\$ 574,994	\$ 574,994	\$ 784,083	\$ 784,083	\$ 784,083	\$ 784,083	\$ 784,083
Revenue Bond Payments Only	\$ -	\$ -	\$ -	\$ 574,994	\$ 574,994	\$ 574,994	\$ 784,083	\$ 784,083	\$ 784,083	\$ 784,083	\$ 784,083
TOTAL DEBT SERVICE PAYMENTS	\$ -	\$ -	\$ -	\$ 574,994	\$ 574,994	\$ 574,994	\$ 784,083	\$ 784,083	\$ 784,083	\$ 784,083	\$ 784,083
Total Interest Payments	\$ -	\$ -	\$ -	\$ 476,136	\$ 471,687	\$ 467,039	\$ 635,321	\$ 628,627	\$ 621,631	\$ 614,321	\$ 606,682
Total Principal Payments	-	-	-	98,858	103,307	107,955	148,762	155,456	162,452	169,762	177,401
Total Revenue Bond Payments Only	\$ -	\$ -	\$ -	\$ 574,994	\$ 574,994	\$ 574,994	\$ 784,083	\$ 784,083	\$ 784,083	\$ 784,083	\$ 784,083
Use of Debt Reserve for Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

City of Sisters
Utility Rate Study: Water Model
 Revenue Requirement Tests

Fiscal Year Ending 6/30:

Cash Flow Test	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
REVENUES											
Rate Revenue	\$ 937,070	\$ 976,904	\$ 1,000,889	\$ 1,025,462	\$ 1,050,640	\$ 1,076,435	\$ 1,102,864	\$ 1,129,941	\$ 1,157,684	\$ 1,186,107	\$ 1,215,228
SDC Revenue Towards Debt Service	-	-	-	-	-	-	-	-	-	-	-
Other Non-Rate Revenue	102,910	95,050	95,050	95,050	95,050	95,050	95,050	95,050	95,050	95,050	95,050
Interest Earnings: Operating & Debt Reserve Funds	9,329	11,353	12,413	13,232	9,673	8,142	8,137	9,644	9,723	9,822	9,927
Total Revenue	\$ 1,049,308	\$ 1,083,306	\$ 1,108,352	\$ 1,133,745	\$ 1,155,363	\$ 1,179,627	\$ 1,206,050	\$ 1,234,635	\$ 1,262,457	\$ 1,290,979	\$ 1,320,206
EXPENSES											
Cash Operating Expenses	\$ 697,585	\$ 827,982	\$ 888,820	\$ 932,924	\$ 979,821	\$ 1,030,022	\$ 1,082,039	\$ 1,129,302	\$ 1,188,697	\$ 1,251,804	\$ 1,318,891
Existing Debt Service	-	-	-	-	-	-	-	-	-	-	-
New Debt Service	-	-	-	574,994	574,994	574,994	784,083	784,083	784,083	784,083	784,083
Capital Improvement Reserve Contribution	104,094	104,094	104,094	104,094	104,094	104,094	104,094	104,094	104,094	104,094	104,094
Capital Replacement Reserve Contribution	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219
Additions Required to Meet Min. Op. Fund Balance	-	-	-	-	-	-	-	-	-	-	-
Total Expenses	\$ 846,898	\$ 977,295	\$ 1,038,133	\$ 1,657,231	\$ 1,704,128	\$ 1,754,329	\$ 2,015,435	\$ 2,062,698	\$ 2,122,093	\$ 2,185,199	\$ 2,252,287
NET CASH FLOW (DEFICIENCY)	\$ 202,410	\$ 106,011	\$ 70,219	\$ (523,486)	\$ (548,765)	\$ (574,702)	\$ (809,384)	\$ (828,063)	\$ (859,637)	\$ (894,220)	\$ (932,081)
Coverage Test - w/o SDCs											
ALLOWABLE REVENUES											
Rate Revenue	\$ 937,070	\$ 976,904	\$ 1,000,889	\$ 1,025,462	\$ 1,050,640	\$ 1,076,435	\$ 1,102,864	\$ 1,129,941	\$ 1,157,684	\$ 1,186,107	\$ 1,215,228
Other Revenue	102,910	95,050	95,050	95,050	95,050	95,050	95,050	95,050	95,050	95,050	95,050
SDC Revenue	-	-	-	-	-	-	-	-	-	-	-
Interest Earnings - All Funds	14,613	17,531	15,102	13,315	88,448	25,266	8,460	28,407	10,248	12,159	14,807
Total Revenue	\$ 1,054,593	\$ 1,089,485	\$ 1,111,041	\$ 1,133,827	\$ 1,234,138	\$ 1,196,751	\$ 1,206,374	\$ 1,253,399	\$ 1,262,982	\$ 1,293,316	\$ 1,325,085
EXPENSES											
Cash Operating Expenses	\$ 697,585	\$ 827,982	\$ 888,820	\$ 932,924	\$ 979,821	\$ 1,030,022	\$ 1,082,039	\$ 1,129,302	\$ 1,188,697	\$ 1,251,804	\$ 1,318,891
Revenue Bond Debt Service	-	-	-	574,994	574,994	574,994	784,083	784,083	784,083	784,083	784,083
Revenue Bond Coverage Requirement at 1.5	-	-	-	287,497	287,497	287,497	392,041	392,041	392,041	392,041	392,041
Total Expenses	\$ 697,585	\$ 827,982	\$ 888,820	\$ 1,795,415	\$ 1,842,312	\$ 1,892,513	\$ 2,258,163	\$ 2,305,427	\$ 2,364,822	\$ 2,427,928	\$ 2,495,015
COVERAGE SURPLUS (DEFICIENCY)	\$ 357,008	\$ 261,503	\$ 222,221	\$ (661,588)	\$ (608,174)	\$ (695,762)	\$ (1,051,789)	\$ (1,052,028)	\$ (1,101,840)	\$ (1,134,612)	\$ (1,169,930)
Maximum Revenue Deficiency											
Sufficiency Test Driving the Deficiency	Cash	Cash	Cash	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2
Maximum Revenue Deficiency (Surplus)	\$ (202,410)	\$ (106,011)	\$ (70,219)	\$ 661,588	\$ 608,174	\$ 695,762	\$ 1,051,789	\$ 1,052,028	\$ 1,101,840	\$ 1,134,612	\$ 1,169,930
plus: Additional Tax Expense	(15,235)	(7,979)	(5,285)	49,797	45,777	52,369	79,167	79,185	82,934	85,401	88,059
less: Incremental Revenue From Prior Rate Increases	-	-	-	(123,055)	(267,283)	(435,879)	(632,514)	(861,401)	(964,160)	(1,074,789)	(1,193,834)
Net Revenue Deficiency (Surplus)	\$ (217,645)	\$ (113,991)	\$ (75,504)	\$ 588,329	\$ 386,668	\$ 312,253	\$ 498,442	\$ 269,812	\$ 220,614	\$ 145,224	\$ 64,155

City of Sisters
Utility Rate Study: Water Model
 Revenue Requirement Tests

Fiscal Year Ending 6/30:

Rate Increases	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Rate Revenue @ Existing Rates	\$ 937,070	\$ 976,904	\$ 1,000,889	\$ 1,025,462	\$ 1,050,640	\$ 1,076,435	\$ 1,102,864	\$ 1,129,941	\$ 1,157,684	\$ 1,186,107	\$ 1,215,228
Revenues from Prior Rate Increases	-	-	-	123,055	267,283	435,879	632,514	861,401	964,160	1,074,789	1,193,834
Rate Revenue Before Rate Increase (incl. previous increases)	\$ 937,070	\$ 976,904	\$ 1,000,889	\$ 1,148,518	\$ 1,317,922	\$ 1,512,314	\$ 1,735,377	\$ 1,991,343	\$ 2,121,843	\$ 2,260,897	\$ 2,409,062
Required Annual Rate Increase	-23.23%	-11.67%	-7.54%	51.23%	29.34%	20.65%	28.72%	13.55%	10.40%	6.42%	2.66%
Number of Months New Rates Will Be In Effect	12 Months	12 Months	12 Months	12 Months	12 Months	12 Months	12 Months	12 Months	12 Months	12 Months	12 Months
Info: % Increase to Generate Required Revenue	0.00%	0.00%	0.00%	51.23%	29.34%	20.65%	28.72%	13.55%	10.40%	6.42%	2.66%
Policy Induced Rate Increases	0.00%	0.00%	12.00%	12.00%	12.00%	12.00%	12.00%	4.00%	4.00%	4.00%	4.00%
ANNUAL RATE INCREASE	0.00%	0.00%	12.00%	12.00%	12.00%	12.00%	12.00%	4.00%	4.00%	4.00%	4.00%
CUMULATIVE RATE INCREASE	0.00%	0.00%	12.00%	25.44%	40.49%	57.35%	76.23%	83.28%	90.61%	98.24%	106.17%

Impacts of Rate Increases	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Sufficiency Test Driving the Deficiency	Cash	Cash	Cash	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2
Rate Revenues After Rate Increase	\$ 937,070	\$ 976,904	\$ 1,120,995	\$ 1,286,340	\$ 1,476,073	\$ 1,693,791	\$ 1,943,623	\$ 2,070,996	\$ 2,206,717	\$ 2,351,332	\$ 2,505,425
Full Year Rate Revenues After Rate Increase	\$ 937,070	\$ 976,904	\$ 1,120,995	\$ 1,286,340	\$ 1,476,073	\$ 1,693,791	\$ 1,943,623	\$ 2,070,996	\$ 2,206,717	\$ 2,351,332	\$ 2,505,425
Partial Year Adjustment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Additional Taxes Due to Rate Increases	-	-	8,407	18,261	29,780	43,215	58,853	65,874	73,432	81,566	90,314
Net Cash Flow After Rate Increase	\$ 202,410	\$ 106,011	\$ 181,918	\$ (280,870)	\$ (153,112)	\$ (561)	\$ (27,479)	\$ 47,118	\$ 115,965	\$ 189,439	\$ 267,801
Coverage After Rate Increase: w/ SDCs	n/a	n/a	n/a	1.74	2.17	2.39	2.02	2.19	2.32	2.48	2.65

Fund Balance Impacts	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Ending Fund Balance: Operating Reserve - Part Of Water Fund	\$ 1,135,278	\$ 1,241,289	\$ 1,323,208	\$ 392,337	\$ 239,225	\$ 238,664	\$ 180,340	\$ 188,217	\$ 198,116	\$ 208,634	\$ 219,815
Minimum Target: Operating Reserve - Part Of Water Fund	\$ 116,264	\$ 137,997	\$ 148,137	\$ 155,487	\$ 163,304	\$ 171,670	\$ 180,340	\$ 188,217	\$ 198,116	\$ 208,634	\$ 219,815
Ending Fund Balance: Capital Improvement Reserve - Part Of Water Fund	\$ 617,859	\$ 268,931	\$ 8,255	\$ 7,877,511	\$ 1,712,413	\$ 32,373	\$ 1,876,315	\$ 52,525	\$ 233,661	\$ 487,987	\$ 821,003
Minimum Target: Capital Improvement Reserve - Part Of Water Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Ending Fund Balance: Capital Replacement Reserve - Part Of Water Fund	\$ 810,581	\$ 863,906	\$ 917,764	\$ 972,160	\$ 1,027,101	\$ 1,082,591	\$ 1,138,636	\$ 1,195,241	\$ 1,252,413	\$ 1,310,156	\$ 1,368,476
Minimum Target: Capital Replacement Reserve - Part Of Water Fund	\$ 803,003	\$ 848,222	\$ 893,441	\$ 938,660	\$ 983,879	\$ 1,029,098	\$ 1,074,317	\$ 1,119,536	\$ 1,164,755	\$ 1,209,974	\$ 1,255,193
Ending Fund Balance: SDC Fund	\$ 2,172,177	\$ 2,685,733	\$ 3,236,657	\$ -	\$ -	\$ 220,058	\$ 463,168	\$ 731,248	\$ 1,505,551	\$ 2,337,862	\$ 3,232,054
Minimum Target: SDC Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

City of Sisters
Utility Rate Study: Water Model
Fund Activity

Fiscal Year Ending 6/30:

Funds	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Operating Reserve - Part of Water Fund											
Beginning Balance	\$ 932,868	\$ 1,135,278	\$ 1,241,289	\$ 1,323,208	\$ 392,337	\$ 239,225	\$ 238,664	\$ 180,340	\$ 188,217	\$ 198,116	\$ 208,634
plus: Net Cash Flow after Rate Increase	202,410	106,011	181,918	(280,870)	(153,112)	(561)	(27,479)	47,118	115,965	189,439	267,801
less: Transfer to Capital Replacement Reserve	-	-	-	-	-	-	-	-	-	-	-
less: Transfer of Surplus to Capital Improvement Reserve	-	-	(100,000)	(650,000)	-	-	(30,846)	(39,241)	(106,065)	(178,921)	(256,620)
Ending Balance	\$ 1,135,278	\$ 1,241,289	\$ 1,323,208	\$ 392,337	\$ 239,225	\$ 238,664	\$ 180,340	\$ 188,217	\$ 198,116	\$ 208,634	\$ 219,815
<i>Minimum Target Balance</i>	\$ 116,264	\$ 137,997	\$ 148,137	\$ 155,487	\$ 163,304	\$ 171,670	\$ 180,340	\$ 188,217	\$ 198,116	\$ 208,634	\$ 219,815
<i>Maximum Funds to be Kept as Operating Reserves</i>	\$ 116,264	\$ 137,997	\$ 148,137	\$ 155,487	\$ 163,304	\$ 171,670	\$ 180,340	\$ 188,217	\$ 198,116	\$ 208,634	\$ 219,815
<i>Info: # of Months of Cash Operating Expenses</i>	20 Months	18 Months	18 Months	5 Months	3 Months	3 Months	2 Months	2 Months	2 Months	2 Months	2 Months
Capital Improvement Reserve - Part of Water Fund											
Beginning Balance	\$ 528,480	\$ 617,859	\$ 268,931	\$ 8,255	\$ 7,877,511	\$ 1,712,413	\$ 32,373	\$ 1,876,315	\$ 52,525	\$ 233,661	\$ 487,987
plus: Capital Improvement Reserve Contribution	104,094	104,094	104,094	104,094	104,094	104,094	104,094	104,094	104,094	104,094	104,094
plus: Transfers from Operating Fund	-	-	100,000	650,000	-	-	30,846	39,241	106,065	178,921	256,620
plus: Capital Grants / Contributions	-	280,000	-	-	-	-	-	-	-	-	-
plus: Revenue Bond Proceeds	-	-	-	9,900,000	-	-	3,600,000	-	-	-	-
plus: Interest Earnings	5,285	6,179	2,689	83	78,775	17,124	324	18,763	525	2,337	4,880
Total Funding Sources	\$ 637,859	\$ 1,008,131	\$ 475,715	\$ 10,662,431	\$ 8,060,380	\$ 1,833,631	\$ 3,767,636	\$ 2,038,413	\$ 263,210	\$ 519,013	\$ 853,580
less: Improvement Capital Expenditures	(20,000)	(739,200)	(467,460)	(2,784,921)	(6,347,966)	(1,801,259)	(1,891,322)	(1,985,888)	(29,549)	(31,027)	(32,578)
Ending Capital Improvement Reserve Balance	\$ 617,859	\$ 268,931	\$ 8,255	\$ 7,877,511	\$ 1,712,413	\$ 32,373	\$ 1,876,315	\$ 52,525	\$ 233,661	\$ 487,987	\$ 821,003
Capital Replacement Reserve - Part of Water Fund											
Beginning Balance	\$ 757,784	\$ 810,581	\$ 863,906	\$ 917,764	\$ 972,160	\$ 1,027,101	\$ 1,082,591	\$ 1,138,636	\$ 1,195,241	\$ 1,252,413	\$ 1,310,156
plus: Capital Replacement Reserve Contribution	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219
plus: Transfers from Operating Fund	-	-	-	-	-	-	-	-	-	-	-
plus: Interest Earnings	7,578	8,106	8,639	9,178	9,722	10,271	10,826	11,386	11,952	12,524	13,102
Total Funding Sources	\$ 810,581	\$ 863,906	\$ 917,764	\$ 972,160	\$ 1,027,101	\$ 1,082,591	\$ 1,138,636	\$ 1,195,241	\$ 1,252,413	\$ 1,310,156	\$ 1,368,476
less: Capital Expenditures Not Funded With SDC Monies	-	-	-	-	-	-	-	-	-	-	-
Ending Capital Replacement Reserve Balance	\$ 810,581	\$ 863,906	\$ 917,764	\$ 972,160	\$ 1,027,101	\$ 1,082,591	\$ 1,138,636	\$ 1,195,241	\$ 1,252,413	\$ 1,310,156	\$ 1,368,476
<i>Minimum Target Balance</i>	\$ 803,003	\$ 848,222	\$ 893,441	\$ 938,660	\$ 983,879	\$ 1,029,098	\$ 1,074,317	\$ 1,119,536	\$ 1,164,755	\$ 1,209,974	\$ 1,255,193
SDC Fund											
Beginning Balance	\$ 1,796,710	\$ 2,172,177	\$ 2,685,733	\$ 3,236,657	\$ -	\$ -	\$ 220,058	\$ 463,168	\$ 731,248	\$ 1,505,551	\$ 2,337,862
plus: SDC Revenue Toward Capital	357,500	491,834	524,066	558,410	595,005	633,998	675,547	719,818	766,991	817,255	870,813
plus: Interest Earnings	17,967	21,722	26,857	32,367	-	-	2,201	4,632	7,312	15,056	23,379
Total Funding Sources	\$ 2,172,177	\$ 2,685,733	\$ 3,236,657	\$ 3,827,433	\$ 595,005	\$ 633,998	\$ 897,805	\$ 1,187,618	\$ 1,505,551	\$ 2,337,862	\$ 3,232,054
less: SDC Eligible Capital Expenditures	-	-	-	(3,827,433)	(595,005)	(413,941)	(434,638)	(456,370)	-	-	-
Ending SDC Fund Balance	\$ 2,172,177	\$ 2,685,733	\$ 3,236,657	\$ -	\$ -	\$ 220,058	\$ 463,168	\$ 731,248	\$ 1,505,551	\$ 2,337,862	\$ 3,232,054
Debt Reserve Fund											
Beginning Balance	\$ -	\$ -	\$ -	\$ -	\$ 574,994	\$ 574,994	\$ 574,994	\$ 784,083	\$ 784,083	\$ 784,083	\$ 784,083
plus: Reserve Funding from New Debt	-	-	-	574,994	-	-	209,089	-	-	-	-
less: Use of Reserves for Debt Service	-	-	-	-	-	-	-	-	-	-	-
Ending Balance	\$ -	\$ -	\$ -	\$ 574,994	\$ 574,994	\$ 574,994	\$ 784,083	\$ 784,083	\$ 784,083	\$ 784,083	\$ 784,083
SUMMARY											
Combined Beginning Balance	\$ 4,015,842	\$ 4,735,895	\$ 5,059,860	\$ 5,485,882	\$ 9,817,002	\$ 3,553,733	\$ 2,148,680	\$ 4,442,541	\$ 2,951,315	\$ 3,973,824	\$ 5,128,721
Plus: Inflows	694,834	1,017,946	948,264	11,548,255	634,484	764,927	4,605,447	945,053	1,112,905	1,319,626	1,540,688
Less: Outflows	(20,000)	(739,200)	(567,460)	(7,262,354)	(6,942,972)	(2,215,199)	(2,356,805)	(2,481,499)	(135,615)	(209,948)	(289,198)
Combined Ending Balance	\$ 4,690,676	\$ 5,014,641	\$ 5,440,663	\$ 9,771,783	\$ 3,508,514	\$ 2,103,461	\$ 4,397,322	\$ 2,906,096	\$ 3,928,605	\$ 5,083,502	\$ 6,380,212
Net Change in Reserves	\$ 674,834	\$ 278,746	\$ 380,804	\$ 4,285,901	\$ (6,308,488)	\$ (1,450,273)	\$ 2,248,642	\$ (1,536,445)	\$ 977,291	\$ 1,109,678	\$ 1,251,491
TOTAL AVAILABLE CASH TEST: DAYS OF O&M											
Operating & Capital Ending Balance	\$ 4,735,895	\$ 5,059,860	\$ 5,485,882	\$ 9,242,008	\$ 2,978,739	\$ 1,573,686	\$ 3,658,458	\$ 2,167,232	\$ 3,189,741	\$ 4,344,638	\$ 5,641,348
Ending Total Days of O&M	2,478 days	2,231 days	2,232 days	3,546 days	1,077 days	535 days	1,170 days	662 days	922 days	1,189 days	1,461 days
<i>Target: 180 Days of O&M</i>	\$ 344,015	\$ 408,320	\$ 442,468	\$ 469,078	\$ 497,886	\$ 529,268	\$ 562,632	\$ 589,402	\$ 622,420	\$ 657,552	\$ 694,950

City of Sisters
 Utility Rate Study: Water Model
 FY 2022 Price Out

Class		Bill Code	Accounts	Units	MCEs	MSEs	July	August	September	October	November	December	January	February	March	April	May	June	Total
3/4"	CTY 100-CTY	100-CTY	34	34	34	34	157,978	162,962	115,465	70,200	1,300	100	100	100	200	2,000	2,000	49,700	562,105
3/4"	SLI 100-CTY	100-CTY	0	0	0	0	8,500	-	-	-	-	-	-	-	-	-	-	-	8,500
City Accounts - 1"							-	-	-	-	-	-	-	-	-	-	-	-	-
1"	BW 100-CTY	100-CTY	4	4	6	5	-	-	-	-	-	-	-	-	-	-	-	-	-
City Accounts - 2"																			
2"	PU 100-CTY	100-CTY	12	12	64	31	104,400	110,600	76,100	51,100	19,400	5,600	4,600	6,800	6,700	7,500	7,500	35,800	436,100
Inside City - 3/4" Low Income																			
3/4"	RCM 100-CLO	100-CLO	1	1	1	1	100	100	100	200	500	500	500	600	500	200	200	-	3,500
3/4"	RES 100-CLO	100-CLO	4	4	4	4	13,200	9,200	4,100	1,900	1,000	1,100	1,200	1,100	1,200	1,500	1,500	2,400	39,400
3/4"	RLO 100-CLO	100-CLO	16	16	16	16	36,100	31,300	21,100	16,800	8,000	7,200	6,300	9,100	10,000	11,800	11,800	17,800	187,300
Inside City - 3/4"																			
3/4"	IR 100-CFR	100-CFR	10	10	10	10	32,100	37,600	29,800	14,500	100	-	100	-	100	7,600	7,600	18,500	148,000
3/4"	MF 100-CFR	100-CFR	7	38	7	38	85,700	87,300	66,600	54,355	25,246	17,402	19,071	17,019	14,657	15,187	15,187	54,803	472,527
3/4"	NC 100-CFR	100-CFR	43	43	43	43	7,300	5,400	3,500	3,200	1,100	1,200	1,600	400	1,000	800	800	4,600	30,900
3/4"	NM 100-CFR	100-CFR	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
3/4"	RAD 100-CFR	100-CFR	2	2	2	2	-	300	200	300	600	900	800	900	800	900	900	900	7,500
3/4"	RCM 100-CFR	100-CFR	35	35	35	35	60,500	62,300	41,900	26,400	19,100	18,100	17,800	19,000	17,000	20,800	20,800	30,500	354,200
3/4"	RES 100-CFR	100-CFR	1,396	1,396	1,396	1,396	3,332,233	3,352,476	2,600,853	1,486,650	606,673	569,100	576,570	571,880	544,600	674,740	674,740	1,929,028	16,919,543
3/4"	RES 100-CFS	100-CFS	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
3/4"	RLO 100-CFR	100-CFR	0	0	0	0	-	1,200	1,200	500	-	-	-	-	-	-	-	500	3,400
3/4"	SC 100-CFC	100-CFC	0	0	0	0	-	-	-	1,600	-	-	-	-	-	-	-	-	1,600
3/4"	SC 100-CFR	100-CFR	80	80	80	80	227,900	249,300	203,800	147,040	69,260	52,300	47,900	58,200	55,600	65,700	65,700	167,380	1,410,080
3/4"	SCM 100-CFR	100-CFR	3	3	3	3	1,200	800	1,400	900	4,700	200	100	100	15,400	3,100	3,100	5,600	36,600
3/4"	SLI 100-CFR	100-CFR	17	17	17	17	38,700	44,400	34,300	23,700	20,300	9,200	9,100	11,600	12,300	12,400	12,400	25,100	253,500
3/4"	VL 100-CFR	100-CFR	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Inside City - 1"																			
1"	IR 100-1CC	100-1CC	1	1	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
1"	IR 100-1CR	100-1CR	24	24	40	31	301,200	317,300	242,500	104,800	600	600	400	400	1,900	73,950	73,950	214,850	1,332,450
1"	LC 100-1CR	100-1CR	2	2	4	3	800	900	700	500	400	300	300	600	400	400	400	200	5,900
1"	MF 100-1CR	100-1CR	10	19	17	24	13,600	14,400	12,200	10,500	9,000	9,100	9,800	12,000	12,200	16,200	16,200	19,700	154,900
1"	NC 100-1CR	100-1CR	2	2	4	3	-	1,100	1,500	700	100	-	-	-	100	-	-	2,000	5,500
1"	RES 100-1CC	100-1CC	2	2	3	3	6,600	8,400	6,400	2,600	300	400	400	400	500	500	4,300	31,200	
1"	RES 100-1CR	100-1CR	114	114	191	146	349,900	334,400	255,600	141,040	52,900	49,100	51,100	50,700	52,700	64,200	64,200	200,940	1,667,140
1"	SC 100-1CR	100-1CR	68	68	114	87	367,600	376,713	301,943	165,842	88,439	85,376	77,688	87,811	79,726	96,875	96,875	208,595	2,033,483
1"	SCM 100-1CR	100-1CR	1	1	2	1	700	800	700	500	500	500	600	800	500	500	500	600	7,200
1"	SLI 100-1CR	100-1CR	13	13	22	17	66,100	68,900	56,800	40,700	11,300	11,000	10,400	11,300	11,800	18,000	18,000	31,600	355,900
Inside City - 1-1/2"																			
1-1/2"	CTY 100-15	100-15	0	0	1	0	-	-	-	-	-	-	-	-	-	200	200	-	400
1-1/2"	IR 100-15	100-15	15	15	50	24	169,100	191,500	196,200	96,200	600	-	-	-	-	54,400	54,400	160,600	923,000
1-1/2"	MF 100-15	100-15	5	34	18	56	19,400	22,200	21,565	18,435	6,400	6,400	6,200	6,700	9,900	10,700	10,700	26,718	165,318
1-1/2"	NC 100-15	100-15	1	1	3	2	11,400	14,800	13,900	3,000	10,600	2,000	1,900	1,800	1,800	7,900	7,900	8,400	85,500
1-1/2"	SC 100-15	100-15	14	14	48	23	119,100	121,140	127,715	82,821	36,524	27,982	20,050	20,668	30,000	29,800	29,800	73,252	718,852
1-1/2"	SLI 100-15	100-15	1	1	3	2	29,100	27,700	36,700	25,200	1,600	1,600	10,800	19,300	21,100	7,500	7,500	28,800	216,900
Inside City - 2" Low Income																			
2"	ENT 100-2LO	100-2LO	1	1	5	3	26,500	33,300	29,500	13,900	4,200	5,400	7,500	8,400	7,200	8,200	8,200	27,100	179,400
Inside City - 2"																			
2"	IR 100-2CR	100-2CR	4	4	21	11	511,300	398,800	293,800	99,300	3,600	5,200	-	-	-	66,200	66,200	180,400	1,624,800
2"	LC 100-2CR	100-2CR	24	24	126	62	489,895	493,100	404,700	232,000	133,900	125,745	140,616	119,300	93,931	124,171	124,171	279,671	2,761,200
2"	LLI 100-2CR	100-2CR	3	3	16	8	12,000	12,600	16,800	9,600	700	500	500	1,000	700	3,700	3,700	3,900	65,700
2"	MF 100-2CR	100-2CR	11	161	57	424	159,500	182,200	138,000	88,800	50,200	50,500	52,800	51,700	44,200	60,800	60,800	145,345	1,084,845
2"	SC 100-2CR	100-2CR	2	2	11	5	48,300	54,600	42,500	32,800	6,300	6,400	9,600	10,000	9,200	10,900	10,900	19,500	261,000
Inside City - 3"																			
3"	IR 100-3CR	100-3CR	2	2	21	20	2,750	3,500	4,663	5,287	-	1,057	-	7,043	500	700	700	3,635	29,835
3"	LC 100-3CR	100-3CR	5	5	53	50	58,159	96,581	85,372	45,479	29,688	22,377	24,799	31,858	28,902	24,115	24,115	84,417	555,862
3"	MF 100-3CR	100-3CR	3	84	29	840	24,385	27,200	27,000	20,400	20,700	22,500	20,400	23,500	18,500	22,000	22,000	125,445	374,030
Outside City - 3/4"																			
3/4"	RES 100-FRO	100-FRO	3	3	3	3	31,161	47,959	21,900	12,600	3,200	3,200	2,200	1,900	4,200	9,300	9,300	28,600	175,520
Outside City - 1"																			
1"	RES 100-1FR	100-1FR	1	1	2	1	400	600	300	400	400	500	700	600	500	500	500	2,800	8,200
Outside City - 3"																			
3"	RES 100-3FR	100-3FR	1	1	11	10	6,800	7,400	5,900	3,000	1,700	800	400	500	900	600	600	5,000	33,600
Bulk Water																			
Total							6,932,861	7,013,331	5,544,576	3,155,609	1,251,130	1,121,439	1,134,894	1,165,179	1,111,316	1,536,538	1,536,538	4,228,979	35,732,390

City of Sisters
Utility Rate Study: Water Model
FY 2022 Price Out

Rates	Bill Code	FY22		Revenue		
		Fixed	Volume	Fixed	Volume	Total
City Accounts - 3/4"						
CTY	100-CTY	\$ -	\$ -	\$ -	\$ -	\$ -
SLI	100-CTY	\$ -	\$ -	\$ -	\$ -	\$ -
City Accounts - 1"						
BW	100-CTY	\$ -	\$ -	\$ -	\$ -	\$ -
City Accounts - 2"						
PU	100-CTY	\$ -	\$ -	\$ -	\$ -	\$ -
Inside City - 3/4" Low Income						
RCM	100-CLO	\$ 13.52	\$ 0.75	\$ 149	\$ 26	\$ 175
RES	100-CLO	\$ 13.52	\$ 0.75	\$ 649	\$ 296	\$ 944
RLO	100-CLO	\$ 13.52	\$ 0.75	\$ 2,650	\$ 1,405	\$ 4,055
Inside City - 3/4"						
IR	100-CFR	\$ 18.02	\$ 1.00	\$ 2,216	\$ 1,480	\$ 3,696
MF	100-CFR	\$ 18.02	\$ 1.00	\$ 8,217	\$ 4,725	\$ 12,942
NC	100-CFR	\$ 18.02	\$ 1.00	\$ 9,334	\$ 309	\$ 9,643
NM	100-CFR	\$ 18.02	\$ 1.00	\$ 216	\$ -	\$ 216
RAD	100-CFR	\$ 18.02	\$ 1.00	\$ 469	\$ 75	\$ 544
RCM	100-CFR	\$ 18.02	\$ 1.00	\$ 7,659	\$ 3,542	\$ 11,201
RES	100-CFR	\$ 18.02	\$ 1.00	\$ 301,817	\$ 169,195	\$ 471,012
RES	100-CFS	\$ 18.02	\$ 1.00	\$ 216	\$ -	\$ 216
RLO	100-CFR	\$ 18.02	\$ 1.00	\$ 72	\$ 34	\$ 106
SC	100-CFC	\$ 18.02	\$ 1.00	\$ 36	\$ 16	\$ 52
SC	100-CFR	\$ 18.02	\$ 1.00	\$ 17,263	\$ 14,101	\$ 31,364
SCM	100-CFR	\$ 18.02	\$ 1.00	\$ 613	\$ 366	\$ 979
SLI	100-CFR	\$ 18.02	\$ 1.00	\$ 3,748	\$ 2,535	\$ 6,283
VL	100-CFR	\$ 18.02	\$ 1.00	\$ 216	\$ -	\$ 216
Inside City - 1"						
IR	100-1CC	\$ 20.21	\$ 1.00	\$ 243	\$ -	\$ 243
IR	100-1CR	\$ 20.21	\$ 1.00	\$ 5,841	\$ 13,325	\$ 19,165
LC	100-1CR	\$ 20.21	\$ 1.00	\$ 525	\$ 59	\$ 584
MF	100-1CR	\$ 20.21	\$ 1.00	\$ 4,608	\$ 1,549	\$ 6,157
NC	100-1CR	\$ 20.21	\$ 1.00	\$ 525	\$ 55	\$ 580
RES	100-1CC	\$ 20.21	\$ 1.00	\$ 485	\$ 312	\$ 797
RES	100-1CR	\$ 20.21	\$ 1.00	\$ 27,728	\$ 16,671	\$ 44,400
SC	100-1CR	\$ 20.21	\$ 1.00	\$ 16,572	\$ 20,335	\$ 36,907
SCM	100-1CR	\$ 20.21	\$ 1.00	\$ 243	\$ 72	\$ 315
SLI	100-1CR	\$ 20.21	\$ 1.00	\$ 3,173	\$ 3,559	\$ 6,732
Inside City - 1-1/2"						
CTY	100-15	\$ 20.21	\$ 1.00	\$ 40	\$ 4	\$ 44
IR	100-15	\$ 20.21	\$ 1.00	\$ 3,618	\$ 9,230	\$ 12,848
MF	100-15	\$ 20.21	\$ 1.00	\$ 8,246	\$ 1,653	\$ 9,899
NC	100-15	\$ 20.21	\$ 1.00	\$ 243	\$ 855	\$ 1,098
SC	100-15	\$ 20.21	\$ 1.00	\$ 3,456	\$ 7,189	\$ 10,644
SLI	100-15	\$ 20.21	\$ 1.00	\$ 243	\$ 2,169	\$ 2,412
Inside City - 2" Low Income						
ENT	100-2LO	\$ 16.79	\$ 0.75	\$ 201	\$ 1,346	\$ 1,547
Inside City - 2"						
IR	100-2CR	\$ 22.39	\$ 1.00	\$ 1,075	\$ 16,248	\$ 17,323
LC	100-2CR	\$ 22.39	\$ 1.00	\$ 6,359	\$ 27,612	\$ 33,971
LLI	100-2CR	\$ 22.39	\$ 1.00	\$ 806	\$ 657	\$ 1,463
MF	100-2CR	\$ 22.39	\$ 1.00	\$ 43,257	\$ 10,848	\$ 54,106
SC	100-2CR	\$ 22.39	\$ 1.00	\$ 537	\$ 2,610	\$ 3,147
Inside City - 3"						
IR	100-3CR	\$ 54.61	\$ 1.00	\$ 1,311	\$ 298	\$ 1,609
LC	100-3CR	\$ 54.61	\$ 1.00	\$ 3,277	\$ 5,559	\$ 8,835
MF	100-3CR	\$ 54.61	\$ 1.00	\$ 55,047	\$ 3,740	\$ 58,787
Outside City - 3/4"						
RES	100-FRO	\$ 27.03	\$ 1.50	\$ 973	\$ 2,633	\$ 3,606
Outside City - 1"						
RES	100-1FR	\$ 30.32	\$ 1.50	\$ 364	\$ 123	\$ 487
Outside City - 3"						
RES	100-3FR	\$ 81.92	\$ 1.50	\$ 983	\$ 504	\$ 1,487
				\$ 545,518	\$ 347,319	\$ 892,837
						\$ 889,921
						-0.33%

Revenue Splits: Fixed 61.10% Volume 38.90%

City of Sisters
Utility Rate Study: Water Model
 Customer Forecast

Account Growth											
Usage Growth	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Customer Growth	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%

Accounts		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
City Accounts - 3/4"													
3/4"	CI	34	35	35	36	37	38	39	40	41	42	43	44
3/4"	CI	0	0	0	0	0	0	0	0	0	0	0	0
City Accounts - 1"													
1"	CI	4	4	4	4	4	4	4	4	5	5	5	5
City Accounts - 2"													
2"	CI	12	12	12	13	13	13	14	14	14	15	15	16
Inside City - 3/4" Low Income													
3/4"	LO	1	1	1	1	1	1	1	1	1	1	1	1
3/4"	LO	4	4	4	4	4	5	5	5	5	5	5	5
3/4"	LO	16	17	17	18	18	18	19	19	20	20	21	21
Inside City - 3/4"													
3/4"	REG	10	10	11	11	11	12	12	12	12	13	13	13
3/4"	REG	7	7	7	8	8	8	8	8	8	9	9	9
3/4"	REG	43	44	45	46	47	49	50	51	52	54	55	56
3/4"	REG	1	1	1	1	1	1	1	1	1	1	1	1
3/4"	REG	2	2	2	2	2	2	2	3	3	3	3	3
3/4"	REG	35	36	37	38	39	40	41	42	43	44	45	46
3/4"	REG	1,391	1,425	1,460	1,496	1,533	1,571	1,609	1,649	1,689	1,731	1,773	1,817
3/4"	REG	1	1	1	1	1	1	1	1	1	1	1	1
3/4"	REG	0	0	0	0	0	0	0	0	0	0	0	0
3/4"	REG	0	0	0	0	0	0	0	0	0	0	0	0
3/4"	REG	80	82	84	86	88	90	92	94	97	99	101	104
3/4"	REG	3	3	3	3	3	3	3	3	3	4	4	4
3/4"	REG	17	18	18	19	19	20	20	20	21	21	22	23
3/4"	REG	1	1	1	1	1	1	1	1	1	1	1	1
Inside City - 1"													
1"	REG	1	1	1	1	1	1	1	1	1	1	1	1
1"	REG	24	25	25	26	26	27	28	28	29	30	31	31
1"	REG	2	2	2	2	2	2	2	3	3	3	3	3
1"	REG	10	10	11	11	11	11	12	12	12	13	13	13
1"	REG	2	2	2	2	2	2	2	3	3	3	3	3
1"	REG	2	2	2	2	2	2	2	2	2	2	2	2
1"	REG	114	117	120	123	126	129	132	135	138	142	145	149
1"	REG	68	70	71	73	75	77	79	81	83	85	87	89
1"	REG	1	1	1	1	1	1	1	1	1	1	1	1
1"	REG	13	13	14	14	14	15	15	15	16	16	17	17
Inside City - 1-1/2"													
1-1/2"	REG	0	0	0	0	0	0	0	0	0	0	0	0
1-1/2"	REG	15	15	16	16	16	17	17	18	18	18	19	19
1-1/2"	REG	5	5	5	6	6	6	6	6	6	7	7	7
1-1/2"	REG	1	1	1	1	1	1	1	1	1	1	1	1
1-1/2"	REG	14	15	15	15	16	16	16	17	17	18	18	19
1-1/2"	REG	1	1	1	1	1	1	1	1	1	1	1	1
Inside City - 2" Low Income													
2"	LO	1	1	1	1	1	1	1	1	1	1	1	1
Inside City - 2"													
2"	REG	4	4	4	4	4	5	5	5	5	5	5	5
2"	REG	24	24	25	25	26	27	27	28	29	29	30	31
2"	REG	3	3	3	3	3	3	3	4	4	4	4	4
2"	REG	11	11	11	12	12	12	12	13	13	13	14	14
2"	REG	2	2	2	2	2	2	2	2	2	2	3	3
Inside City - 3"													
3"	REG	2	2	2	2	2	2	2	2	2	2	3	3
3"	REG	5	5	5	5	5	6	6	6	6	6	6	7
3"	REG	3	3	3	3	3	3	3	3	3	3	3	4
Outside City - 3/4"													
3/4"	O	3	3	3	3	3	3	3	4	4	4	4	4
Outside City - 1"													
1"	O	1	1	1	1	1	1	1	1	1	1	1	1
Outside City - 3"													
3"	O	1	1	1	1	1	1	1	1	1	1	1	1
Total		1,996	2,045	2,095	2,146	2,199	2,253	2,308	2,365	2,423	2,482	2,543	2,606
Inside City		1,919	1,966	2,014	2,064	2,114	2,166	2,220	2,274	2,330	2,387	2,446	2,506
Low-Income		22	23	23	24	24	25	26	26	27	28	28	29
Outside City		5	5	5	5	5	6	6	6	6	6	6	7
City Accounts		49	51	52	53	54	56	57	59	60	61	63	65

City of Sisters
Utility Rate Study: Water Model
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Units		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
City Accounts - 3/4"													
3/4" CI	CTY	34	35	35	36	37	38	39	40	41	42	43	44
3/4" CI	SLI	0	0	0	0	0	0	0	0	0	0	0	0
City Accounts - 1"													
1" CI	BW	4	4	4	4	4	4	4	4	5	5	5	5
City Accounts - 2"													
2" CI	PU	12	12	12	13	13	13	14	14	14	15	15	16
Inside City - 3/4" Low Income													
3/4" LO	RCM	1	1	1	1	1	1	1	1	1	1	1	1
3/4" LO	RES	4	4	4	4	4	5	5	5	5	5	5	5
3/4" LO	RLO	16	17	17	18	18	18	19	19	20	20	21	21
Inside City - 3/4"													
3/4" REG	IR	10	10	11	11	11	12	12	12	12	13	13	13
3/4" REG	MF	38	39	40	41	42	43	44	45	46	47	48	49
3/4" REG	NC	43	44	45	46	47	49	50	51	52	54	55	56
3/4" REG	NM	1	1	1	1	1	1	1	1	1	1	1	1
3/4" REG	RAD	2	2	2	2	2	2	2	3	3	3	3	3
3/4" REG	RCM	35	36	37	38	39	40	41	42	43	44	45	46
3/4" REG	RES	1,391	1,425	1,460	1,496	1,533	1,571	1,609	1,649	1,689	1,731	1,773	1,817
3/4" REG	RES	1	1	1	1	1	1	1	1	1	1	1	1
3/4" REG	RLO	0	0	0	0	0	0	0	0	0	0	0	0
3/4" REG	SC	0	0	0	0	0	0	0	0	0	0	0	0
3/4" REG	SC	80	82	84	86	88	90	92	94	97	99	101	104
3/4" REG	SCM	3	3	3	3	3	3	3	3	3	4	4	4
3/4" REG	SLI	17	18	18	19	19	20	20	20	21	21	22	23
3/4" REG	VL	1	1	1	1	1	1	1	1	1	1	1	1
Inside City - 1"													
1" REG	IR	1	1	1	1	1	1	1	1	1	1	1	1
1" REG	IR	24	25	25	26	26	27	28	28	29	30	31	31
1" REG	LC	2	2	2	2	2	2	2	3	3	3	3	3
1" REG	MF	19	19	20	20	21	21	22	22	23	24	24	25
1" REG	NC	2	2	2	2	2	2	2	3	3	3	3	3
1" REG	RES	2	2	2	2	2	2	2	2	2	2	3	3
1" REG	RES	114	117	120	123	126	129	132	135	138	142	145	149
1" REG	SC	68	70	71	73	75	77	79	81	83	85	87	89
1" REG	SCM	1	1	1	1	1	1	1	1	1	1	1	1
1" REG	SLI	13	13	14	14	14	15	15	15	16	16	17	17
Inside City - 1-1/2"													
1-1/2" REG	CTY	0	0	0	0	0	0	0	0	0	0	0	0
1-1/2" REG	IR	15	15	16	16	16	17	17	18	18	18	19	19
1-1/2" REG	MF	34	35	36	36	37	38	39	40	41	42	43	44
1-1/2" REG	NC	1	1	1	1	1	1	1	1	1	1	1	1
1-1/2" REG	SC	14	15	15	15	16	16	16	17	17	18	18	19
1-1/2" REG	SLI	1	1	1	1	1	1	1	1	1	1	1	1
Inside City - 2" Low Income													
2" LO	ENT	1	1	1	1	1	1	1	1	1	1	1	1
Inside City - 2"													
2" REG	IR	4	4	4	4	4	5	5	5	5	5	5	5
2" REG	LC	24	24	25	25	26	27	28	29	29	30	30	31
2" REG	LLI	3	3	3	3	3	3	3	4	4	4	4	4
2" REG	MF	160	164	168	173	177	181	186	190	195	200	205	210
2" REG	SC	2	2	2	2	2	2	2	2	2	2	3	3
Inside City - 3"													
3" REG	IR	2	2	2	2	2	2	2	2	2	2	3	3
3" REG	LC	5	5	5	5	5	6	6	6	6	6	6	7
3" REG	MF	84	86	88	90	92	95	97	99	102	104	107	109
Outside City - 3/4"													
3/4" O	RES	3	3	3	3	3	3	3	4	4	4	4	4
Outside City - 1"													
1" O	RES	1	1	1	1	1	1	1	1	1	1	1	1
Outside City - 3"													
3" O	RES	1	1	1	1	1	1	1	1	1	1	1	1
Total		2,295	2,351	2,409	2,468	2,529	2,591	2,654	2,719	2,786	2,855	2,925	2,996
Inside City		2,218	2,273	2,328	2,386	2,444	2,504	2,566	2,629	2,693	2,759	2,827	2,896
Low-Income		22	23	23	24	24	25	26	26	27	28	28	29
Outside City		5	5	5	5	5	6	6	6	6	6	6	7
City Accounts		49	51	52	53	54	56	57	59	60	61	63	65

City of Sisters
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Equivalent Residential Units (ERUs)		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
City Accounts - 3/4"													
3/4" CI	CTY	34	35	35	36	37	38	39	40	41	42	43	44
3/4" CI	SLI	0	0	0	0	0	0	0	0	0	0	0	0
City Accounts - 1"													
1" CI	BW	6	6	7	7	7	7	7	7	8	8	8	8
City Accounts - 2"													
2" CI	PU	63	65	66	68	70	72	73	75	77	79	81	83
Inside City - 3/4" Low Income													
3/4" LO	RCM	1	1	1	1	1	1	1	1	1	1	1	1
3/4" LO	RES	4	4	4	4	4	5	5	5	5	5	5	5
3/4" LO	RLO	16	17	17	18	18	18	19	19	20	20	21	21
Inside City - 3/4"													
3/4" REG	IR	10	10	11	11	11	12	12	12	12	13	13	13
3/4" REG	MF	38	39	40	41	42	43	44	45	46	47	48	49
3/4" REG	NC	43	44	45	46	47	49	50	51	52	54	55	56
3/4" REG	NM	1	1	1	1	1	1	1	1	1	1	1	1
3/4" REG	RAD	2	2	2	2	2	2	2	3	3	3	3	3
3/4" REG	RCM	35	36	37	38	39	40	41	42	43	44	45	46
3/4" REG	RES	1,391	1,425	1,460	1,496	1,533	1,571	1,609	1,649	1,689	1,731	1,773	1,817
3/4" REG	RES	1	1	1	1	1	1	1	1	1	1	1	1
3/4" REG	RLO	0	0	0	0	0	0	0	0	0	0	0	0
3/4" REG	SC	0	0	0	0	0	0	0	0	0	0	0	0
3/4" REG	SC	80	82	84	86	88	90	92	94	97	99	101	104
3/4" REG	SCM	3	3	3	3	3	3	3	3	3	4	4	4
3/4" REG	SLI	17	18	18	19	19	20	20	20	21	21	22	23
3/4" REG	VL	1	1	1	1	1	1	1	1	1	1	1	1
Inside City - 1"													
1" REG	IR	2	2	2	2	2	2	2	2	2	2	2	2
1" REG	IR	40	41	42	43	44	45	46	47	49	50	51	52
1" REG	LC	4	4	4	4	4	4	4	4	4	4	5	5
1" REG	MF	19	19	20	20	21	21	22	22	23	24	24	25
1" REG	NC	4	4	4	4	4	4	4	4	4	4	5	5
1" REG	RES	3	3	3	4	4	4	4	4	4	4	4	4
1" REG	RES	190	195	199	204	209	214	220	225	231	236	242	248
1" REG	SC	114	116	119	122	125	128	131	135	138	141	145	148
1" REG	SCM	2	2	2	2	2	2	2	2	2	2	2	2
1" REG	SLI	22	22	23	23	24	25	25	26	26	27	28	28
Inside City - 1-1/2"													
1-1/2" REG	CTY	1	1	1	1	1	1	1	1	1	1	1	1
1-1/2" REG	IR	50	51	52	53	55	56	57	59	60	62	63	65
1-1/2" REG	MF	34	35	36	36	37	38	39	40	41	42	43	44
1-1/2" REG	NC	3	3	3	4	4	4	4	4	4	4	4	4
1-1/2" REG	SC	47	49	50	51	52	53	55	56	57	59	60	62
1-1/2" REG	SLI	3	3	3	4	4	4	4	4	4	4	4	4
Inside City - 2" Low Income													
2" LO	ENT	5	5	6	6	6	6	6	6	6	7	7	7
Inside City - 2"													
2" REG	IR	21	22	22	23	23	24	25	25	26	26	27	28
2" REG	LC	126	129	132	135	139	142	146	149	153	157	160	164
2" REG	LLI	16	16	17	17	18	18	18	19	19	20	20	21
2" REG	MF	160	164	168	173	177	181	186	190	195	200	205	210
2" REG	SC	11	11	11	11	12	12	12	13	13	13	14	14
Inside City - 3"													
3" REG	IR	21	22	22	23	23	24	25	25	26	26	27	28
3" REG	LC	53	54	56	57	59	60	61	63	65	66	68	69
3" REG	MF	84	86	88	90	92	95	97	99	102	104	107	109
Outside City - 3/4"													
3/4" O	RES	3	3	3	3	3	3	3	4	4	4	4	4
Outside City - 1"													
1" O	RES	2	2	2	2	2	2	2	2	2	2	2	2
Outside City - 3"													
3" O	RES	11	11	11	11	12	12	12	13	13	13	14	14
Total		2,796	2,865	2,935	3,007	3,081	3,157	3,234	3,314	3,395	3,479	3,564	3,651
Inside City		2,651	2,716	2,783	2,851	2,921	2,993	3,066	3,142	3,219	3,298	3,379	3,462
Low-Income		26	27	28	28	29	30	31	31	32	33	34	35
Outside City		15	16	16	16	17	17	18	18	19	19	19	20
City Accounts		103	106	109	111	114	117	120	123	126	129	132	135

City of Sisters
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	Billed Volume (ccf)	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
	City Accounts - 3/4"												
CI	CTY	5,603 ccf	5,740 ccf	5,881 ccf	6,026 ccf	6,174 ccf	6,325 ccf	6,480 ccf	6,639 ccf	6,802 ccf	6,970 ccf	7,141 ccf	7,316 ccf
CI	SLI	85 ccf	87 ccf	89 ccf	91 ccf	93 ccf	96 ccf	98 ccf	100 ccf	103 ccf	105 ccf	108 ccf	111 ccf
	City Accounts - 1"												
CI	BW	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf
	City Accounts - 2"												
CI	PU	4,347 ccf	4,453 ccf	4,563 ccf	4,675 ccf	4,790 ccf	4,907 ccf	5,028 ccf	5,151 ccf	5,278 ccf	5,407 ccf	5,540 ccf	5,676 ccf
	Inside City - 3/4" Low Income												
LO	RCM	35 ccf	36 ccf	37 ccf	38 ccf	38 ccf	39 ccf	40 ccf	41 ccf	42 ccf	43 ccf	44 ccf	46 ccf
LO	RES	393 ccf	402 ccf	412 ccf	422 ccf	433 ccf	443 ccf	454 ccf	465 ccf	477 ccf	489 ccf	501 ccf	513 ccf
LO	RLO	1,867 ccf	1,913 ccf	1,960 ccf	2,008 ccf	2,057 ccf	2,108 ccf	2,159 ccf	2,212 ccf	2,267 ccf	2,322 ccf	2,379 ccf	2,438 ccf
	Inside City - 3/4"												
REG	IR	1,475 ccf	1,511 ccf	1,548 ccf	1,587 ccf	1,625 ccf	1,665 ccf	1,706 ccf	1,748 ccf	1,791 ccf	1,835 ccf	1,880 ccf	1,926 ccf
REG	MF	4,710 ccf	4,825 ccf	4,944 ccf	5,065 ccf	5,190 ccf	5,317 ccf	5,448 ccf	5,581 ccf	5,718 ccf	5,859 ccf	6,003 ccf	6,150 ccf
REG	NC	308 ccf	316 ccf	323 ccf	331 ccf	339 ccf	348 ccf	356 ccf	365 ccf	374 ccf	383 ccf	393 ccf	402 ccf
REG	NM	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf
REG	RAD	75 ccf	77 ccf	78 ccf	80 ccf	82 ccf	84 ccf	86 ccf	89 ccf	91 ccf	93 ccf	95 ccf	98 ccf
REG	RCM	3,530 ccf	3,617 ccf	3,706 ccf	3,797 ccf	3,890 ccf	3,986 ccf	4,083 ccf	4,184 ccf	4,286 ccf	4,392 ccf	4,500 ccf	4,610 ccf
REG	RES	168,643 ccf	172,783 ccf	177,025 ccf	181,372 ccf	185,825 ccf	190,387 ccf	195,062 ccf	199,851 ccf	204,757 ccf	209,785 ccf	214,935 ccf	220,212 ccf
REG	RES	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf
REG	RLO	34 ccf	35 ccf	36 ccf	36 ccf	37 ccf	38 ccf	39 ccf	40 ccf	41 ccf	42 ccf	43 ccf	44 ccf
REG	SC	16 ccf	16 ccf	17 ccf	17 ccf	18 ccf	18 ccf	19 ccf	19 ccf	20 ccf	20 ccf	21 ccf	21 ccf
REG	SC	14,055 ccf	14,400 ccf	14,753 ccf	15,116 ccf	15,487 ccf	15,867 ccf	16,256 ccf	16,656 ccf	17,065 ccf	17,484 ccf	17,913 ccf	18,353 ccf
REG	SCM	365 ccf	374 ccf	383 ccf	392 ccf	402 ccf	412 ccf	422 ccf	432 ccf	443 ccf	454 ccf	465 ccf	476 ccf
REG	SLI	2,527 ccf	2,589 ccf	2,652 ccf	2,717 ccf	2,784 ccf	2,853 ccf	2,923 ccf	2,994 ccf	3,068 ccf	3,143 ccf	3,220 ccf	3,299 ccf
REG	VL	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf
	Inside City - 1"												
REG	IR	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf
REG	IR	13,281 ccf	13,607 ccf	13,941 ccf	14,283 ccf	14,634 ccf	14,993 ccf	15,362 ccf	15,739 ccf	16,125 ccf	16,521 ccf	16,927 ccf	17,342 ccf
REG	LC	59 ccf	60 ccf	62 ccf	63 ccf	65 ccf	66 ccf	68 ccf	70 ccf	71 ccf	73 ccf	75 ccf	77 ccf
REG	MF	1,544 ccf	1,582 ccf	1,621 ccf	1,660 ccf	1,701 ccf	1,743 ccf	1,786 ccf	1,830 ccf	1,875 ccf	1,921 ccf	1,968 ccf	2,016 ccf
REG	NC	55 ccf	56 ccf	58 ccf	59 ccf	60 ccf	62 ccf	63 ccf	65 ccf	67 ccf	68 ccf	70 ccf	72 ccf
REG	RES	311 ccf	319 ccf	326 ccf	334 ccf	343 ccf	351 ccf	360 ccf	369 ccf	378 ccf	387 ccf	396 ccf	406 ccf
REG	RES	16,617 ccf	17,025 ccf	17,443 ccf	17,871 ccf	18,310 ccf	18,759 ccf	19,220 ccf	19,692 ccf	20,175 ccf	20,671 ccf	21,178 ccf	21,698 ccf
REG	SC	20,268 ccf	20,766 ccf	21,276 ccf	21,798 ccf	22,333 ccf	22,882 ccf	23,444 ccf	24,019 ccf	24,609 ccf	25,213 ccf	25,832 ccf	26,466 ccf
REG	SCM	72 ccf	74 ccf	75 ccf	77 ccf	79 ccf	81 ccf	83 ccf	85 ccf	87 ccf	89 ccf	91 ccf	94 ccf
REG	SLI	3,547 ccf	3,634 ccf	3,724 ccf	3,815 ccf	3,909 ccf	4,005 ccf	4,103 ccf	4,204 ccf	4,307 ccf	4,413 ccf	4,521 ccf	4,632 ccf
	Inside City - 1-1/2"												
REG	CTY	4 ccf	4 ccf	4 ccf	4 ccf	4 ccf	5 ccf	5 ccf	5 ccf	5 ccf	5 ccf	5 ccf	5 ccf
REG	IR	9,200 ccf	9,426 ccf	9,657 ccf	9,894 ccf	10,137 ccf	10,386 ccf	10,641 ccf	10,902 ccf	11,170 ccf	11,444 ccf	11,725 ccf	12,013 ccf
REG	MF	1,648 ccf	1,688 ccf	1,730 ccf	1,772 ccf	1,816 ccf	1,860 ccf	1,906 ccf	1,953 ccf	2,001 ccf	2,050 ccf	2,100 ccf	2,152 ccf
REG	NC	852 ccf	873 ccf	895 ccf	917 ccf	939 ccf	962 ccf	986 ccf	1,010 ccf	1,035 ccf	1,060 ccf	1,086 ccf	1,113 ccf
REG	RES	7,165 ccf	7,341 ccf	7,521 ccf	7,706 ccf	7,895 ccf	8,089 ccf	8,287 ccf	8,491 ccf	8,699 ccf	8,913 ccf	9,132 ccf	9,356 ccf
REG	SLI	2,162 ccf	2,215 ccf	2,269 ccf	2,325 ccf	2,382 ccf	2,441 ccf	2,501 ccf	2,562 ccf	2,625 ccf	2,689 ccf	2,755 ccf	2,823 ccf
	Inside City - 2" Low Income												
LO	ENT	1,788 ccf	1,832 ccf	1,877 ccf	1,923 ccf	1,970 ccf	2,019 ccf	2,068 ccf	2,119 ccf	2,171 ccf	2,224 ccf	2,279 ccf	2,335 ccf
	Inside City - 2"												
REG	IR	16,195 ccf	16,593 ccf	17,000 ccf	17,417 ccf	17,845 ccf	18,283 ccf	18,732 ccf	19,192 ccf	19,663 ccf	20,146 ccf	20,640 ccf	21,147 ccf
REG	LC	27,522 ccf	28,198 ccf	28,890 ccf	29,599 ccf	30,326 ccf	31,070 ccf	31,833 ccf	32,615 ccf	33,416 ccf	34,236 ccf	35,077 ccf	35,938 ccf
REG	LLI	655 ccf	671 ccf	687 ccf	704 ccf	722 ccf	739 ccf	757 ccf	776 ccf	795 ccf	815 ccf	835 ccf	855 ccf
REG	MF	10,813 ccf	11,078 ccf	11,350 ccf	11,629 ccf	11,915 ccf	12,207 ccf	12,507 ccf	12,814 ccf	13,129 ccf	13,451 ccf	13,781 ccf	14,120 ccf
REG	SC	2,601 ccf	2,665 ccf	2,731 ccf	2,798 ccf	2,867 ccf	2,937 ccf	3,009 ccf	3,083 ccf	3,159 ccf	3,236 ccf	3,316 ccf	3,397 ccf
	Inside City - 3"												
REG	IR	297 ccf	305 ccf	312 ccf	320 ccf	328 ccf	336 ccf	344 ccf	352 ccf	361 ccf	370 ccf	379 ccf	388 ccf
REG	LC	5,540 ccf	5,676 ccf	5,816 ccf	5,959 ccf	6,105 ccf	6,255 ccf	6,408 ccf	6,566 ccf	6,727 ccf	6,892 ccf	7,061 ccf	7,235 ccf
REG	MF	3,728 ccf	3,820 ccf	3,913 ccf	4,009 ccf	4,108 ccf	4,209 ccf	4,312 ccf	4,418 ccf	4,526 ccf	4,638 ccf	4,751 ccf	4,868 ccf
	Outside City - 3/4"												
O	RES	1,749 ccf	1,792 ccf	1,836 ccf	1,882 ccf	1,928 ccf	1,975 ccf	2,024 ccf	2,073 ccf	2,124 ccf	2,176 ccf	2,230 ccf	2,284 ccf
	Outside City - 1"												
O	RES	82 ccf	84 ccf	86 ccf	88 ccf	90 ccf	92 ccf	95 ccf	97 ccf	99 ccf	102 ccf	104 ccf	107 ccf
	Outside City - 3"												
O	RES	335 ccf	343 ccf	352 ccf	360 ccf	369 ccf	378 ccf	387 ccf	397 ccf	407 ccf	417 ccf	427 ccf	437 ccf
	Total	356,157 ccf	364,901 ccf	373,860 ccf	383,039 ccf	392,443 ccf	402,079 ccf	411,951 ccf	422,065 ccf	432,427 ccf	443,044 ccf	453,922 ccf	465,067 ccf
	Inside City	339,874 ccf	348,218 ccf	356,768 ccf	365,527 ccf	374,502 ccf	383,696 ccf	393,117 ccf	402,769 ccf	412,657 ccf	422,789 ccf	433,169 ccf	443,805 ccf
	Low-Income	4,083 ccf	4,183 ccf	4,286 ccf	4,391 ccf	4,499 ccf	4,609 ccf	4,722 ccf	4,838 ccf	4,957 ccf	5,079 ccf	5,203 ccf	5,331 ccf
	Outside City	2,166 ccf	2,219 ccf	2,274 ccf	2,330 ccf	2,387 ccf	2,445 ccf	2,505 ccf	2,567 ccf	2,630 ccf	2,695 ccf	2,761 ccf	2,828 ccf
	City Accounts	10,034 ccf	10,281 ccf	10,533 ccf	10,792 ccf	11,056 ccf	11,328 ccf	11,606 ccf	11,891 ccf	12,183 ccf	12,482 ccf	12,789 ccf	13,103 ccf

City of Sisters
Utility Rate Study: Water Model
 Customer Forecast

Base Rates	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
		4.47%	2.91%									
City Accounts - 3/4"												
CTY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SLI	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
City Accounts - 1"												
BW	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
City Accounts - 2"												
PU	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Inside City - 3/4" Low Income												
RCM	\$13.52	\$14.02	\$14.53	\$14.53	\$14.53	\$14.53	\$14.53	\$14.53	\$14.53	\$14.53	\$14.53	\$14.53
RES	\$13.52	\$14.02	\$14.53	\$14.53	\$14.53	\$14.53	\$14.53	\$14.53	\$14.53	\$14.53	\$14.53	\$14.53
RLO	\$13.52	\$14.02	\$14.53	\$14.53	\$14.53	\$14.53	\$14.53	\$14.53	\$14.53	\$14.53	\$14.53	\$14.53
Inside City - 3/4"												
IR	\$18.02	\$18.69	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37
MF	\$18.02	\$18.69	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37
NC	\$18.02	\$18.69	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37
NM	\$18.02	\$18.69	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37
RAD	\$18.02	\$18.69	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37
RCM	\$18.02	\$18.69	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37
RES	\$18.02	\$18.69	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37
RES	\$18.02	\$18.69	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37
RLO	\$18.02	\$18.69	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37
SC	\$18.02	\$18.69	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37
SC	\$18.02	\$18.69	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37
SCM	\$18.02	\$18.69	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37
SLI	\$18.02	\$18.69	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37
VL	\$18.02	\$18.69	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37
Inside City - 1"												
IR	\$20.21	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72
IR	\$20.21	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72
LC	\$20.21	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72
MF	\$20.21	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72
NC	\$20.21	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72
RES	\$20.21	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72
RES	\$20.21	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72
SC	\$20.21	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72
SCM	\$20.21	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72
SLI	\$20.21	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72
Inside City - 1-1/2"												
CTY	\$20.21	\$20.96	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72
IR	\$20.21	\$20.96	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72
MF	\$20.21	\$20.96	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72
NC	\$20.21	\$20.96	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72
SC	\$20.21	\$20.96	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72
SLI	\$20.21	\$20.96	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72
Inside City - 2" Low Income												
ENT	\$16.79	\$17.42	\$18.05	\$18.05	\$18.05	\$18.05	\$18.05	\$18.05	\$18.05	\$18.05	\$18.05	\$18.05
Inside City - 2"												
IR	\$22.39	\$23.22	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07
LC	\$22.39	\$23.22	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07
LLI	\$22.39	\$23.22	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07
MF	\$22.39	\$23.22	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07
SC	\$22.39	\$23.22	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07
Inside City - 3"												
IR	\$54.61	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70
LC	\$54.61	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70
MF	\$54.61	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70
Outside City - 3/4"												
RES	\$27.03	\$28.04	\$29.06	\$29.06	\$29.06	\$29.06	\$29.06	\$29.06	\$29.06	\$29.06	\$29.06	\$29.06
Outside City - 1"												
RES	\$30.32	\$31.44	\$32.58	\$32.58	\$32.58	\$32.58	\$32.58	\$32.58	\$32.58	\$32.58	\$32.58	\$32.58
Outside City - 3"												
RES	\$81.92	\$84.96	\$88.05	\$88.05	\$88.05	\$88.05	\$88.05	\$88.05	\$88.05	\$88.05	\$88.05	\$88.05

City of Sisters
Utility Rate Study: Water Model
 Customer Forecast

Base Revenue	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
City Accounts - 3/4"												
CTY	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SLI	-	-	-	-	-	-	-	-	-	-	-	-
City Accounts - 1"												
BW	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
City Accounts - 2"												
PU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Inside City - 3/4" Low Income												
RCM	\$ 148	\$ 157	\$ 167	\$ 171	\$ 176	\$ 180	\$ 184	\$ 189	\$ 193	\$ 198	\$ 203	\$ 208
RES	647	687	730	748	766	785	804	824	844	865	886	908
RLO	2,641	2,806	2,980	3,053	3,128	3,205	3,283	3,364	3,446	3,531	3,618	3,707
Inside City - 3/4"												
IR	\$ 2,209	\$ 2,348	\$ 2,493	\$ 2,554	\$ 2,617	\$ 2,681	\$ 2,747	\$ 2,814	\$ 2,883	\$ 2,954	\$ 3,027	\$ 3,101
MF	8,190	8,703	9,241	9,468	9,701	9,939	10,183	10,433	10,689	10,952	11,221	11,496
NC	9,304	9,887	10,498	10,756	11,020	11,290	11,568	11,852	12,143	12,441	12,746	13,059
NM	216	229	243	249	255	262	268	275	281	288	295	303
RAD	467	496	527	540	553	567	581	595	609	624	640	655
RCM	7,633	8,112	8,613	8,825	9,041	9,263	9,491	9,724	9,963	10,207	10,458	10,714
RES	300,831	319,677	339,442	347,776	356,315	365,063	374,026	383,209	392,617	402,257	412,133	422,252
RES	216	229	243	249	255	262	268	275	281	288	295	303
RLO	72	76	81	83	85	87	89	92	94	96	98	101
SC	36	38	41	42	43	44	45	46	47	48	49	50
SC	17,207	18,285	19,415	19,892	20,380	20,881	21,393	21,919	22,457	23,008	23,573	24,152
SCM	611	649	689	706	723	741	759	778	797	817	837	857
SLI	3,736	3,970	4,215	4,319	4,425	4,534	4,645	4,759	4,876	4,995	5,118	5,244
VL	216	229	243	249	255	262	268	275	281	288	295	303
Inside City - 1"												
IR	\$ 242	\$ 266	\$ 273	\$ 279	\$ 286	\$ 293	\$ 300	\$ 308	\$ 315	\$ 323	\$ 331	\$ 339
IR	5,822	6,410	6,568	6,729	6,894	7,063	7,237	7,414	7,596	7,783	7,974	8,170
LC	524	577	591	605	620	635	651	667	683	700	717	735
MF	4,593	5,057	5,181	5,309	5,439	5,572	5,709	5,849	5,993	6,140	6,291	6,445
NC	524	577	591	605	620	635	651	667	683	700	717	735
RES	483	532	545	559	573	587	601	616	631	646	662	678
RES	27,638	30,432	31,179	31,944	32,729	33,532	34,356	35,199	36,063	36,949	37,856	38,785
SC	16,518	18,188	18,635	19,092	19,561	20,041	20,533	21,037	21,554	22,083	22,625	23,181
SCM	242	266	273	279	286	293	300	308	315	323	331	339
SLI	3,163	3,482	3,568	3,655	3,745	3,837	3,931	4,028	4,127	4,228	4,332	4,438
Inside City - 1-1/2"												
CTY	\$ 40	\$ 43	\$ 45	\$ 47	\$ 48	\$ 49	\$ 50	\$ 51	\$ 53	\$ 54	\$ 55	\$ 57
IR	3,606	3,831	4,068	4,168	4,270	4,375	4,482	4,592	4,705	4,821	4,939	5,060
MF	8,219	8,733	9,272	9,500	9,733	9,972	10,217	10,467	10,724	10,988	11,257	11,534
NC	242	257	273	279	286	293	300	308	315	323	331	339
SC	3,445	3,660	3,886	3,981	4,079	4,179	4,282	4,387	4,495	4,605	4,718	4,834
SLI	242	257	273	279	286	293	300	308	315	323	331	339
Inside City - 2" Low Income												
ENT	\$ 201	\$ 213	\$ 227	\$ 232	\$ 238	\$ 244	\$ 250	\$ 256	\$ 262	\$ 269	\$ 275	\$ 282
Inside City - 2"												
IR	\$ 1,071	\$ 1,138	\$ 1,209	\$ 1,239	\$ 1,269	\$ 1,300	\$ 1,332	\$ 1,365	\$ 1,398	\$ 1,433	\$ 1,468	\$ 1,504
LC	6,338	6,734	7,152	7,328	7,508	7,692	7,881	8,074	8,273	8,476	8,684	8,897
LLI	803	854	907	929	952	975	999	1,024	1,049	1,074	1,101	1,128
MF	43,116	45,812	48,655	49,850	51,074	52,328	53,613	54,929	56,277	57,659	59,075	60,525
SC	536	569	604	619	634	650	666	682	699	716	734	752
Inside City - 3"												
IR	\$ 1,306	\$ 1,439	\$ 1,474	\$ 1,510	\$ 1,547	\$ 1,585	\$ 1,624	\$ 1,664	\$ 1,705	\$ 1,747	\$ 1,790	\$ 1,834
LC	3,266	3,597	3,685	3,775	3,868	3,963	4,060	4,160	4,262	4,367	4,474	4,584
MF	54,867	60,424	61,908	63,428	64,985	66,581	68,215	69,890	71,606	73,364	75,165	77,011
Outside City - 3/4"												
RES	\$ 970	\$ 1,031	\$ 1,095	\$ 1,121	\$ 1,149	\$ 1,177	\$ 1,206	\$ 1,236	\$ 1,266	\$ 1,297	\$ 1,329	\$ 1,362
Outside City - 1"												
RES	\$ 363	\$ 385	\$ 409	\$ 419	\$ 429	\$ 440	\$ 451	\$ 462	\$ 473	\$ 485	\$ 497	\$ 509
Outside City - 3"												
RES	\$ 980	\$ 1,041	\$ 1,105	\$ 1,133	\$ 1,160	\$ 1,189	\$ 1,218	\$ 1,248	\$ 1,279	\$ 1,310	\$ 1,342	\$ 1,375
Total	\$ 543,736	\$ 582,385	\$ 613,511	\$ 628,574	\$ 644,007	\$ 659,818	\$ 676,018	\$ 692,616	\$ 709,621	\$ 727,044	\$ 744,894	\$ 763,183

City of Sisters
 Utility Rate Study: Water Model
 Customer Forecast

Volume Rates	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
City Accounts - 3/4"												
CTY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SLI	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
City Accounts - 1"												
BW	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
City Accounts - 2"												
PU	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Inside City - 3/4" Low Income												
RCM	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75
RES	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75
RLO	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75
Inside City - 3/4"												
IR	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
MF	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
NC	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
NM	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
RAD	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
RCM	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
RES	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
RES	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
RLO	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
SC	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
SC	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
SCM	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
SLI	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
VL	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
Inside City - 1"												
IR	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
IR	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
LC	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
MF	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
NC	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
RES	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
RES	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
SC	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
SCM	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
SLI	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
Inside City - 1-1/2"												
CTY	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
IR	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
MF	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
NC	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
SC	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
SLI	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
Inside City - 2" Low Income												
ENT	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75
Inside City - 2"												
IR	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
LC	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
LLI	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
MF	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
SC	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
Inside City - 3"												
IR	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
LC	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
MF	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
Outside City - 3/4"												
RES	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50
Outside City - 1"												
RES	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50
Outside City - 3"												
RES	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50

City of Sisters
Utility Rate Study: Water Model
 Customer Forecast

Volume Revenue	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
City Accounts - 3/4"												
CTY	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SLI	-	-	-	-	-	-	-	-	-	-	-	-
City Accounts - 1"												
BW	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
City Accounts - 2"												
PU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Inside City - 3/4" Low Income												
RCM	\$ 26	\$ 27	\$ 27	\$ 28	\$ 29	\$ 30	\$ 30	\$ 31	\$ 32	\$ 33	\$ 33	\$ 34
RES	295	302	309	317	325	333	341	349	358	366	375	385
RLO	1,400	1,435	1,470	1,506	1,543	1,581	1,620	1,659	1,700	1,742	1,785	1,828
Inside City - 3/4"												
IR	\$ 1,475	\$ 1,511	\$ 1,548	\$ 1,587	\$ 1,625	\$ 1,665	\$ 1,706	\$ 1,748	\$ 1,791	\$ 1,835	\$ 1,880	\$ 1,926
MF	4,710	4,825	4,944	5,065	5,190	5,317	5,448	5,581	5,718	5,859	6,003	6,150
NC	308	316	323	331	339	348	356	365	374	383	393	402
NM	-	-	-	-	-	-	-	-	-	-	-	-
RAD	75	77	78	80	82	84	86	89	91	93	95	98
RCM	3,530	3,617	3,706	3,797	3,890	3,986	4,083	4,184	4,286	4,392	4,500	4,610
RES	168,643	172,783	177,025	181,372	185,825	190,387	195,062	199,851	204,757	209,785	214,935	220,212
RES	-	-	-	-	-	-	-	-	-	-	-	-
RLO	34	35	36	36	37	38	39	40	41	42	43	44
SC	16	16	17	17	18	18	18	19	19	20	20	21
SC	14,055	14,400	14,753	15,116	15,487	15,867	16,256	16,656	17,065	17,484	17,913	18,353
SCM	365	374	383	392	402	412	422	432	443	454	465	476
SLI	2,527	2,589	2,652	2,717	2,784	2,853	2,923	2,994	3,068	3,143	3,220	3,299
VL	-	-	-	-	-	-	-	-	-	-	-	-
Inside City - 1"												
IR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
IR	13,281	13,607	13,941	14,283	14,634	14,993	15,362	15,739	16,125	16,521	16,927	17,342
LC	59	60	62	63	65	66	68	70	71	73	75	77
MF	1,544	1,582	1,621	1,660	1,701	1,743	1,786	1,830	1,875	1,921	1,968	2,016
NC	55	56	58	59	60	62	63	65	67	68	70	72
RES	311	319	326	334	343	351	360	369	378	387	396	406
RES	16,617	17,025	17,443	17,871	18,310	18,759	19,220	19,692	20,175	20,671	21,178	21,698
SC	20,268	20,766	21,276	21,798	22,333	22,882	23,444	24,019	24,609	25,213	25,832	26,466
SCM	72	74	75	77	79	81	83	85	87	89	91	94
SLI	3,547	3,634	3,724	3,815	3,909	4,005	4,103	4,204	4,307	4,413	4,521	4,632
Inside City - 1-1/2"												
CTY	\$ 4	\$ 4	\$ 4	\$ 4	\$ 4	\$ 5	\$ 5	\$ 5	\$ 5	\$ 5	\$ 5	\$ 5
IR	9,200	9,426	9,657	9,894	10,137	10,386	10,641	10,902	11,170	11,444	11,725	12,013
MF	1,648	1,688	1,730	1,772	1,816	1,860	1,906	1,953	2,001	2,050	2,100	2,152
NC	852	873	895	917	939	962	986	1,010	1,035	1,060	1,086	1,113
SC	7,165	7,341	7,521	7,706	7,895	8,089	8,287	8,491	8,699	8,913	9,132	9,356
SLI	2,162	2,215	2,269	2,325	2,382	2,441	2,501	2,562	2,625	2,689	2,755	2,823
Inside City - 2" Low Income												
ENT	\$ 1,341	\$ 1,374	\$ 1,408	\$ 1,442	\$ 1,478	\$ 1,514	\$ 1,551	\$ 1,589	\$ 1,628	\$ 1,668	\$ 1,709	\$ 1,751
Inside City - 2"												
IR	\$ 16,195	\$ 16,593	\$ 17,000	\$ 17,417	\$ 17,845	\$ 18,283	\$ 18,732	\$ 19,192	\$ 19,663	\$ 20,146	\$ 20,640	\$ 21,147
LC	27,522	28,198	28,890	29,599	30,326	31,070	31,833	32,615	33,416	34,236	35,077	35,938
LLI	655	671	687	704	722	739	757	776	795	815	835	855
MF	10,813	11,078	11,350	11,629	11,915	12,207	12,507	12,814	13,129	13,451	13,781	14,120
SC	2,601	2,665	2,731	2,798	2,867	2,937	3,009	3,083	3,159	3,236	3,316	3,397
Inside City - 3"												
IR	\$ 297	\$ 305	\$ 312	\$ 320	\$ 328	\$ 336	\$ 344	\$ 352	\$ 361	\$ 370	\$ 379	\$ 388
LC	5,540	5,676	5,816	5,959	6,105	6,255	6,408	6,566	6,727	6,892	7,061	7,235
MF	3,728	3,820	3,913	4,009	4,108	4,209	4,312	4,418	4,526	4,638	4,751	4,868
Outside City - 3/4"												
RES	\$ 2,624	\$ 2,689	\$ 2,755	\$ 2,822	\$ 2,892	\$ 2,963	\$ 3,035	\$ 3,110	\$ 3,186	\$ 3,264	\$ 3,345	\$ 3,427
Outside City - 1"												
RES	\$ 123	\$ 126	\$ 129	\$ 132	\$ 135	\$ 138	\$ 142	\$ 145	\$ 149	\$ 153	\$ 156	\$ 160
Outside City - 3"												
RES	\$ 502	\$ 515	\$ 527	\$ 540	\$ 554	\$ 567	\$ 581	\$ 595	\$ 610	\$ 625	\$ 640	\$ 656
Total	\$ 346,185	\$ 354,684	\$ 363,393	\$ 372,315	\$ 381,456	\$ 390,821	\$ 400,417	\$ 410,248	\$ 420,320	\$ 430,640	\$ 441,213	\$ 452,046

City of Sisters
Utility Rate Study: Water Model
 Customer Forecast

Total Revenue Summary	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
City Accounts - 3/4"												
CTY	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SLI	-	-	-	-	-	-	-	-	-	-	-	-
City Accounts - 1"												
BW	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
City Accounts - 2"												
PU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Inside City - 3/4" Low Income												
RCM	\$ 174	\$ 184	\$ 195	\$ 199	\$ 204	\$ 209	\$ 215	\$ 220	\$ 225	\$ 231	\$ 236	\$ 242
RES	941	989	1,039	1,064	1,091	1,117	1,145	1,173	1,202	1,231	1,261	1,292
RLO	4,041	4,241	4,449	4,559	4,671	4,785	4,903	5,023	5,146	5,273	5,402	5,535
Inside City - 3/4"												
IR	\$ 3,684	\$ 3,859	\$ 4,041	\$ 4,140	\$ 4,242	\$ 4,346	\$ 4,453	\$ 4,562	\$ 4,674	\$ 4,789	\$ 4,907	\$ 5,027
MF	12,900	13,529	14,185	14,534	14,891	15,256	15,631	16,014	16,408	16,810	17,223	17,646
NC	9,612	10,202	10,821	11,087	11,359	11,638	11,924	12,217	12,517	12,824	13,139	13,461
NM	216	229	243	249	255	262	268	275	281	288	295	303
RAD	542	573	605	620	635	651	667	683	700	717	735	753
RCM	11,164	11,729	12,319	12,622	12,931	13,249	13,574	13,908	14,249	14,599	14,957	15,325
RES	469,474	492,460	516,467	529,148	542,139	555,450	569,087	583,060	597,375	612,042	627,069	642,464
RES	216	229	243	249	255	262	268	275	281	288	295	303
RLO	106	111	117	120	122	125	129	132	135	138	142	145
SC	52	55	57	59	60	62	63	65	66	68	70	71
SC	31,262	32,685	34,169	35,007	35,867	36,748	37,650	38,574	39,521	40,492	41,486	42,504
SCM	975	1,023	1,072	1,098	1,125	1,153	1,181	1,210	1,240	1,270	1,302	1,334
SLI	6,263	6,559	6,868	7,036	7,209	7,386	7,567	7,753	7,944	8,139	8,338	8,543
VL	216	229	243	249	255	262	268	275	281	288	295	303
Inside City - 1"												
IR	\$ 242	\$ 266	\$ 273	\$ 279	\$ 286	\$ 293	\$ 300	\$ 308	\$ 315	\$ 323	\$ 331	\$ 339
IR	19,103	20,017	20,509	21,012	21,528	22,057	22,598	23,153	23,722	24,304	24,901	25,512
LC	583	637	653	669	685	702	719	737	755	773	792	812
MF	6,137	6,639	6,802	6,969	7,140	7,315	7,495	7,679	7,868	8,061	8,259	8,461
NC	579	633	648	664	681	697	714	732	750	768	787	807
RES	794	851	872	893	915	938	961	984	1,008	1,033	1,059	1,085
RES	44,254	47,457	48,622	49,816	51,039	52,292	53,576	54,891	56,239	57,619	59,034	60,484
SC	36,786	38,954	39,911	40,890	41,894	42,923	43,977	45,056	46,163	47,296	48,457	49,647
SCM	313	340	348	357	365	374	383	393	403	412	423	433
SLI	6,710	7,117	7,292	7,471	7,654	7,842	8,034	8,232	8,434	8,641	8,853	9,070
Inside City - 1-1/2"												
CTY	\$ 44	\$ 47	\$ 50	\$ 51	\$ 52	\$ 53	\$ 55	\$ 56	\$ 57	\$ 59	\$ 60	\$ 62
IR	12,806	13,257	13,725	14,062	14,407	14,761	15,123	15,495	15,875	16,265	16,664	17,073
MF	9,867	10,421	11,002	11,272	11,548	11,832	12,122	12,420	12,725	13,037	13,358	13,685
NC	1,094	1,130	1,167	1,196	1,225	1,255	1,286	1,318	1,350	1,383	1,417	1,452
SC	10,610	11,001	11,407	11,687	11,974	12,268	12,569	12,878	13,194	13,518	13,850	14,190
SLI	2,404	2,472	2,542	2,604	2,668	2,734	2,801	2,870	2,940	3,012	3,086	3,162
Inside City - 2" Low Income												
ENT	\$ 1,542	\$ 1,588	\$ 1,634	\$ 1,675	\$ 1,716	\$ 1,758	\$ 1,801	\$ 1,845	\$ 1,890	\$ 1,937	\$ 1,984	\$ 2,033
Inside City - 2"												
IR	\$ 17,266	\$ 17,731	\$ 18,209	\$ 18,656	\$ 19,114	\$ 19,583	\$ 20,064	\$ 20,557	\$ 21,061	\$ 21,578	\$ 22,108	\$ 22,651
LC	33,860	34,932	36,042	36,927	37,834	38,762	39,714	40,689	41,688	42,712	43,760	44,835
LLI	1,458	1,525	1,594	1,633	1,673	1,714	1,756	1,800	1,844	1,889	1,935	1,983
MF	53,929	56,891	60,006	61,479	62,988	64,535	66,119	67,743	69,406	71,110	72,856	74,645
SC	3,137	3,234	3,335	3,417	3,501	3,587	3,675	3,765	3,858	3,952	4,049	4,149
Inside City - 3"												
IR	\$ 1,604	\$ 1,743	\$ 1,786	\$ 1,830	\$ 1,875	\$ 1,921	\$ 1,968	\$ 2,016	\$ 2,066	\$ 2,117	\$ 2,169	\$ 2,222
LC	8,806	9,273	9,501	9,734	9,973	10,218	10,469	10,726	10,989	11,259	11,535	11,819
MF	58,595	64,244	65,821	67,437	69,093	70,789	72,527	74,308	76,132	78,002	79,917	81,879
Outside City - 3/4"												
RES	\$ 3,594	\$ 3,719	\$ 3,849	\$ 3,944	\$ 4,041	\$ 4,140	\$ 4,241	\$ 4,346	\$ 4,452	\$ 4,562	\$ 4,674	\$ 4,788
Outside City - 1"												
RES	\$ 485	\$ 511	\$ 538	\$ 551	\$ 564	\$ 578	\$ 593	\$ 607	\$ 622	\$ 637	\$ 653	\$ 669
Outside City - 3"												
RES	\$ 1,482	\$ 1,556	\$ 1,633	\$ 1,673	\$ 1,714	\$ 1,756	\$ 1,799	\$ 1,843	\$ 1,889	\$ 1,935	\$ 1,982	\$ 2,031
Total	\$ 889,921	\$ 937,070	\$ 976,904	\$ 1,000,889	\$ 1,025,462	\$ 1,050,640	\$ 1,076,435	\$ 1,102,864	\$ 1,129,941	\$ 1,157,684	\$ 1,186,107	\$ 1,215,228

City of Sisters
Utility Rate Study: Water Model
Customer Forecast

Total Revenue Summary	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
City Accounts - 3/4"	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
City Accounts - 1"	-	-	-	-	-	-	-	-	-	-	-	-
City Accounts - 2"	-	-	-	-	-	-	-	-	-	-	-	-
Inside City - 3/4" Low Income	5,157	5,414	5,683	5,823	5,965	6,112	6,262	6,416	6,573	6,735	6,900	7,069
Inside City - 3/4"	546,680	573,470	601,452	616,218	631,348	646,849	662,730	679,002	695,672	712,753	730,252	748,181
Inside City - 1"	115,501	122,910	125,928	129,020	132,188	135,433	138,758	142,165	145,656	149,232	152,896	156,649
Inside City - 1-1/2"	36,824	38,328	39,893	40,872	41,876	42,904	43,957	45,036	46,142	47,275	48,436	49,625
Inside City - 2" Low Income	1,542	1,588	1,634	1,675	1,716	1,758	1,801	1,845	1,890	1,937	1,984	2,033
Inside City - 2"	109,650	114,312	119,186	122,112	125,110	128,182	131,329	134,553	137,857	141,242	144,709	148,262
Inside City - 3"	69,005	75,260	77,108	79,001	80,941	82,928	84,964	87,050	89,188	91,377	93,621	95,919
Outside City - 3/4"	3,594	3,719	3,849	3,944	4,041	4,140	4,241	4,346	4,452	4,562	4,674	4,788
Outside City - 1"	485	511	538	551	564	578	593	607	622	637	653	669
Outside City - 3"	1,482	1,556	1,633	1,673	1,714	1,756	1,799	1,843	1,889	1,935	1,982	2,031
Total	\$ 889,921	\$ 937,070	\$ 976,904	\$ 1,000,889	\$ 1,025,462	\$ 1,050,640	\$ 1,076,435	\$ 1,102,864	\$ 1,129,941	\$ 1,157,684	\$ 1,186,107	\$ 1,215,228

Fixed / Volume Share	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Fixed	\$ 543,736	\$ 582,385	\$ 613,511	\$ 628,574	\$ 644,007	\$ 659,818	\$ 676,018	\$ 692,616	\$ 709,621	\$ 727,044	\$ 744,894	\$ 763,183
Volume	346,185	354,684	363,393	372,315	381,456	390,821	400,417	410,248	420,320	430,640	441,213	452,046
Total	\$ 889,921	\$ 937,070	\$ 976,904	\$ 1,000,889	\$ 1,025,462	\$ 1,050,640	\$ 1,076,435	\$ 1,102,864	\$ 1,129,941	\$ 1,157,684	\$ 1,186,107	\$ 1,215,228
Fixed %	61.10%	62.15%	62.80%	62.80%	62.80%	62.80%	62.80%	62.80%	62.80%	62.80%	62.80%	62.80%
Volume %	38.90%	37.85%	37.20%	37.20%	37.20%	37.20%	37.20%	37.20%	37.20%	37.20%	37.20%	37.20%

City of Sisters
Utility Rate Study: Water Model
Rate Structure Analysis

2025

Revenue Requirement	
Operating Expenses	
Admin/Overhead	\$ 515,303
Direct O&M/Capital	373,517
Debt Service	-
Reserve Contributions	149,313
Additional Taxes	8,407
Total Expenses	\$1,046,540
Less: Other Revenues	(107,463)
Net Cash Flow	181,918
Net Rate Revenue Requirement	\$1,120,995

\$ 1,120,995 Check: 2025 Rate Revenue After Increases

Alternative Water Rate Structure	
Share Recovered Through Volume Charges	37.2%
Volume Charge Revenue Requirement	\$416,992
Projected Weighted Water Usage (2025)	372,315 ccf
Inside City	1.00 365,527 ccf
Low-Income	0.75 3,293 ccf
Outside City	1.50 3,494 ccf
Volume Charge per ccf	\$1.12
Base Rate Revenue Requirement	\$704,003
Percent Recovered Through Account Charges (Admin/Overhead)	50.0%
Amount Recovered Through Account Charge	\$352,298
Projected Weighted Accounts/Units (2025)	2,411
Monthly Charge per Account	\$12.17
Amount Recovered Through ERU Charge	\$351,705
Projected Weighted ERUs (2025)	2,897
Monthly Charge per ERU	\$10.12

Resulting Schedule of Base Charges		2025
Meter Size	Conversion Factor	
3/4"	1.00	\$22.29
1"	1.67	\$29.03
1-1/2"	3.33	\$45.89
2"	5.33	\$66.13
3"	10.67	\$120.08
4"	16.67	\$180.77
6"	33.33	\$349.37
8"	53.33	\$551.69

City of Sisters
Utility Rate Study: Water Model
 Rate Forecast

Current Rate Structure

Water Rate Forecast											
Fiscal Year Ending 6/30:	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Annual System-Wide Rate Increases	0.00%	0.00%	12.00%	12.00%	12.00%	12.00%	12.00%	4.00%	4.00%	4.00%	4.00%
Fixed Charges											
5/8" and 3/4" Meters	\$18.69	\$19.37	\$21.69	\$24.29	\$27.20	\$30.46	\$34.12	\$35.48	\$36.90	\$38.38	\$39.92
1" and 1 1/2" Meters	\$20.96	\$21.72	\$24.33	\$27.25	\$30.52	\$34.18	\$38.28	\$39.81	\$41.40	\$43.06	\$44.78
2" Meter	\$23.22	\$24.07	\$26.96	\$30.20	\$33.82	\$37.88	\$42.43	\$44.13	\$45.90	\$47.74	\$49.65
3", 4", 6", and 8" Meters	\$56.64	\$58.70	\$65.74	\$73.63	\$82.47	\$92.37	\$103.45	\$107.59	\$111.89	\$116.37	\$121.02
Volume Charges											
Per CCF	\$1.00	\$1.00	\$1.12	\$1.25	\$1.40	\$1.57	\$1.76	\$1.83	\$1.90	\$1.98	\$2.06

Rate Structure Alternative A: Secure Financing

Water Rate Forecast											
Fiscal Year Ending 6/30:	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Annual System-Wide Rate Increases	0.00%	0.00%	0.00%	12.00%	12.00%	12.00%	12.00%	4.00%	4.00%	4.00%	4.00%
Monthly Base Rate											
3/4" Meter or Multi-Family Dwelling Unit	\$18.69	\$19.37	\$22.29	\$24.96	\$27.96	\$31.32	\$35.07	\$36.48	\$37.94	\$39.45	\$41.03
1" Meter	\$20.96	\$21.72	\$29.03	\$32.52	\$36.42	\$40.79	\$45.69	\$47.51	\$49.41	\$51.39	\$53.45
1 1/2" Meter	\$20.96	\$21.72	\$45.89	\$51.40	\$57.57	\$64.48	\$72.21	\$75.10	\$78.11	\$81.23	\$84.48
2" Meter	\$23.22	\$24.07	\$66.13	\$74.06	\$82.95	\$92.90	\$104.05	\$108.21	\$112.54	\$117.04	\$121.72
3" Meter	\$56.64	\$58.70	\$120.08	\$134.49	\$150.62	\$168.70	\$188.94	\$196.50	\$204.36	\$212.54	\$221.04
4" Meter	\$56.64	\$58.70	\$180.77	\$202.46	\$226.76	\$253.97	\$284.45	\$295.83	\$307.66	\$319.97	\$332.76
6" Meter	\$56.64	\$58.70	\$349.37	\$391.29	\$438.25	\$490.84	\$549.74	\$571.73	\$594.60	\$618.38	\$643.12
8" Meter	\$56.64	\$58.70	\$551.69	\$617.89	\$692.04	\$775.08	\$868.09	\$902.81	\$938.93	\$976.48	\$1,015.54
Volume Charges											
Per CCF	\$1.00	\$1.00	\$1.12	\$1.25	\$1.40	\$1.57	\$1.76	\$1.83	\$1.91	\$1.98	\$2.06

Revenue Reconciliation - Alternative A

Base Charges	\$	704,003	\$	807,842	\$	926,997	\$	1,063,728	\$	1,220,626	\$	1,300,619	\$	1,385,854	\$	1,476,674	\$	1,573,447
Volume Charges		416,992		478,498		549,076		630,063		722,997		770,378		820,864		874,658		931,978
Total	\$	1,120,995	\$	1,286,340	\$	1,476,073	\$	1,693,791	\$	1,943,623	\$	2,070,996	\$	2,206,717	\$	2,351,332	\$	2,505,425
Check	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
% Recovered Through Volume Charges				37.2%		37.2%		37.2%		37.2%		37.2%		37.2%		37.2%		37.2%

Rate Structure Alternative B: Enhanced Conservation

Water Rate Forecast											
Fiscal Year Ending 6/30:	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Annual System-Wide Rate Increases	0.00%	0.00%	0.00%	12.00%	12.00%	12.00%	12.00%	4.00%	4.00%	4.00%	4.00%
Annual Base Rate Increases			7.59%	7.59%	7.59%	7.59%	7.59%	4.00%	4.00%	4.00%	4.00%
Monthly Base Rate											
3/4" Meter or Multi-Family Dwelling Unit	\$18.69	\$19.37	\$20.84	\$22.42	\$24.12	\$25.95	\$27.92	\$29.04	\$30.20	\$31.41	\$32.67
1" Meter	\$20.96	\$21.72	\$27.15	\$29.21	\$31.42	\$33.81	\$36.37	\$37.83	\$39.34	\$40.91	\$42.55
1 1/2" Meter	\$20.96	\$21.72	\$42.91	\$46.17	\$49.67	\$53.44	\$57.49	\$59.79	\$62.19	\$64.67	\$67.26
2" Meter	\$23.22	\$24.07	\$61.82	\$66.52	\$71.56	\$77.00	\$82.84	\$86.15	\$89.60	\$93.18	\$96.91
3" Meter	\$56.64	\$58.70	\$112.27	\$120.79	\$129.95	\$139.82	\$150.43	\$156.45	\$162.70	\$169.21	\$175.98
4" Meter	\$56.64	\$58.70	\$169.01	\$181.84	\$195.64	\$210.49	\$226.47	\$235.52	\$244.95	\$254.74	\$264.93
6" Meter	\$56.64	\$58.70	\$326.64	\$351.43	\$378.11	\$406.81	\$437.68	\$455.19	\$473.40	\$492.33	\$512.02
8" Meter	\$56.64	\$58.70	\$515.80	\$554.95	\$597.07	\$642.38	\$691.14	\$718.78	\$747.53	\$777.44	\$808.53
Volume Charges											
Per CCF	\$1.00	\$1.00	\$1.24	\$1.47	\$1.73	\$2.03	\$2.37	\$2.46	\$2.56	\$2.66	\$2.77

Revenue Reconciliation - Alternative B

Base Charges	\$	658,208	\$	725,551	\$	799,784	\$	881,612	\$	971,813	\$	1,035,500	\$	1,103,360	\$	1,175,668	\$	1,252,714
Volume Charges		462,787		560,789		676,289		812,179		971,810		1,035,497		1,103,357		1,175,664		1,252,711
Total	\$	1,120,995	\$	1,286,340	\$	1,476,073	\$	1,693,791	\$	1,943,623	\$	2,070,996	\$	2,206,717	\$	2,351,332	\$	2,505,425
Check	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
% Recovered Through Volume Charges				41.3%		43.6%		45.8%		48.0%		50.0%		50.0%		50.0%		50.0%

Appendix B: Sewer Rate Model

City of Sisters
Utility Rate Study: Wastewater Model
Summary

Fiscal Year Ending 6/30:

High Level Summary	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Annual Rate Increases	0.00%	0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Operating Reserve - Part of Sewer Fund											
Beginning Balance	\$ 1,299,460	\$ 120,024	\$ 142,673	\$ 154,349	\$ 161,615	\$ 169,338	\$ 177,624	\$ 186,107	\$ 193,226	\$ 202,933	\$ 213,230
Total Operating Revenues	1,458,027	1,491,850	1,587,101	1,688,470	1,798,637	1,913,672	2,036,246	2,166,849	2,305,992	2,454,275	2,612,275
Total Operating Expenditures & System Reinvestment	(1,098,310)	(1,233,983)	(1,308,679)	(1,576,694)	(1,629,809)	(1,683,393)	(1,740,301)	(1,726,433)	(1,789,632)	(1,861,632)	(1,932,727)
Operating Surplus: Transfers to Capital Fund	(1,539,153)	(235,219)	(266,746)	(104,510)	(161,104)	(221,993)	(287,462)	(433,298)	(506,652)	(582,347)	(668,621)
Cash Surplus / (Deficiency)	(1,179,436)	22,649	11,676	7,266	7,723	8,286	8,483	7,118	9,708	10,297	10,928
Ending Fund Balance	120,024	142,673	154,349	161,615	169,338	177,624	186,107	193,226	202,933	213,230	224,158
Capital Improvement Reserve - Part of Sewer Fund											
Beginning Balance	\$ 15,600	\$ 1,554,909	\$ 1,805,677	\$ 1,381,481	\$ 4,555,357	\$ 2,552,386	\$ 2,660	\$ 93,121	\$ 320,473	\$ 830,330	\$ 1,420,980
Total Capital Inflows	1,539,309	250,768	284,803	3,918,324	206,658	247,517	287,488	434,229	509,857	590,650	682,831
Total Capital Expenditures	-	-	(708,999)	(744,449)	(2,209,628)	(2,797,243)	(197,027)	(206,878)	-	-	(98,412)
Cash Surplus / (Deficiency)	1,539,309	250,768	(424,196)	3,173,876	(2,002,971)	(2,549,726)	90,462	227,352	509,857	590,650	584,419
Ending Fund Balance	1,554,909	1,805,677	1,381,481	4,555,357	2,552,386	2,660	93,121	320,473	830,330	1,420,980	2,005,399
Capital Replacement Reserve - Part of Sewer Fund											
Beginning Balance	\$ 761,663	\$ 815,305	\$ 869,484	\$ 924,205	\$ 979,473	\$ 1,035,293	\$ 1,091,672	\$ 1,148,614	\$ 1,206,126	\$ 1,264,213	\$ 1,322,881
Total Capital Inflows	53,642	54,179	54,721	55,268	55,820	56,379	56,942	57,512	58,087	58,668	59,255
Total Capital Expenditures	-	-	-	-	-	-	-	-	-	-	-
Cash Surplus / (Deficiency)	53,642	54,179	54,721	55,268	55,820	56,379	56,942	57,512	58,087	58,668	59,255
Ending Fund Balance	815,305	869,484	924,205	979,473	1,035,293	1,091,672	1,148,614	1,206,126	1,264,213	1,322,881	1,382,136
SDC Fund											
Beginning Balance	\$ 2,752,928	\$ 2,780,457	\$ 3,172,347	\$ 1,722,727	\$ 190,569	\$ -	\$ -	\$ 401,136	\$ 834,109	\$ 1,410,223	\$ 2,029,306
Total Capital Inflows	27,529	391,890	419,669	430,596	442,364	469,323	500,080	536,864	576,114	619,083	664,921
Total Capital Expenditures	-	-	(1,869,289)	(1,962,753)	(632,934)	(469,323)	(98,944)	(103,891)	-	-	(100,991)
Cash Surplus / (Deficiency)	27,529	391,890	(1,449,620)	(1,532,157)	(190,569)	-	401,136	432,973	576,114	619,083	563,929
Ending Fund Balance	2,780,457	3,172,347	1,722,727	190,569	-	-	401,136	834,109	1,410,223	2,029,306	2,593,236

Capital Fund Summary	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Beginning Capital Balance	\$ 777,263	\$ 2,370,214	\$ 2,675,161	\$ 2,305,686	\$ 5,534,829	\$ 3,587,679	\$ 1,094,331	\$ 1,241,736	\$ 1,526,599	\$ 2,094,543	\$ 2,743,861
Capital Revenues:											
Rate Funded System Reinvestment											
Minimum Policy	\$ 46,026	\$ 46,026	\$ 46,026	\$ 46,026	\$ 46,026	\$ 46,026	\$ 46,026	\$ 46,026	\$ 46,026	\$ 46,026	\$ 46,026
Operating Surplus	1,539,153	235,219	266,746	104,510	161,104	221,993	287,462	433,298	506,652	582,347	668,621
Total	\$ 1,585,179	\$ 281,244	\$ 312,772	\$ 150,535	\$ 207,130	\$ 268,019	\$ 333,487	\$ 479,324	\$ 552,678	\$ 628,372	\$ 714,647
Grants / Outside Sources	-	-	-	-	-	-	-	-	-	-	-
Net Debt Proceeds Available for Projects	-	-	-	3,800,000	-	-	-	-	-	-	-
Interest Earnings	7,773	23,702	26,752	23,057	55,348	35,877	10,943	12,417	15,266	20,945	27,439
Total Capital Revenues and Beginning Fund Balance	\$ 2,370,214	\$ 2,675,161	\$ 3,014,684	\$ 6,279,278	\$ 5,797,307	\$ 3,891,574	\$ 1,438,762	\$ 1,733,477	\$ 2,094,543	\$ 2,743,861	\$ 3,485,946
Capital Project Expenditures	\$ -	\$ -	\$ (708,999)	\$ (744,449)	\$ (2,209,628)	\$ (2,797,243)	\$ (197,027)	\$ (206,878)	\$ -	\$ -	\$ (98,412)
Ending Capital Balance	\$ 2,370,214	\$ 2,675,161	\$ 2,305,686	\$ 5,534,829	\$ 3,587,679	\$ 1,094,331	\$ 1,241,736	\$ 1,526,599	\$ 2,094,543	\$ 2,743,861	\$ 3,387,534
<i>Minimum Target</i>	<i>\$ 807,689</i>	<i>\$ 853,715</i>	<i>\$ 899,740</i>	<i>\$ 945,766</i>	<i>\$ 991,792</i>	<i>\$ 1,037,818</i>	<i>\$ 1,083,843</i>	<i>\$ 1,129,869</i>	<i>\$ 1,175,895</i>	<i>\$ 1,221,921</i>	<i>\$ 1,267,946</i>

Notes:	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Debt-to-Net Assets Ratio	0.38	0.36	0.28	0.40	0.37	0.34	0.32	0.30	0.28	0.27	0.25
Debt Service as a Portion of Rates	23.9%	22.9%	21.5%	33.5%	31.6%	29.6%	27.8%	23.1%	21.6%	20.4%	19.0%

City of Sisters
Utility Rate Study: Wastewater Model
 Summary

Fiscal Year Ending 6/30:

Operating Fund Summary	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Summary of Existing Operations Before Rate Increases											
Rate Revenues Under Existing Rates	\$ 1,392,436	\$ 1,450,000	\$ 1,485,600	\$ 1,522,075	\$ 1,559,445	\$ 1,597,733	\$ 1,636,960	\$ 1,677,151	\$ 1,718,328	\$ 1,760,517	\$ 1,803,741
SDC Revenue Towards Debt Service	-	-	-	-	-	-	-	-	-	-	-
Non-Rate Revenues	65,591	41,850	42,077	42,193	44,473	44,550	44,633	44,718	44,789	44,886	44,989
Total Revenues	1,458,027	1,491,850	1,527,677	1,564,268	1,603,918	1,642,283	1,681,593	1,721,869	1,763,118	1,805,403	1,848,730
Total Expenditures	(1,098,310)	(1,233,983)	(1,304,519)	(1,568,000)	(1,616,179)	(1,664,395)	(1,715,475)	(1,695,284)	(1,751,631)	(1,816,211)	(1,879,278)
Transfers to Capital	(1,539,153)	(235,219)	(266,746)	(104,510)	(161,104)	(221,993)	(287,462)	(433,298)	(506,652)	(582,347)	(668,621)
Total Expenditures & Transfers	(2,637,463)	(1,469,201)	(1,571,265)	(1,672,510)	(1,777,283)	(1,886,388)	(2,002,937)	(2,128,582)	(2,258,283)	(2,398,557)	(2,547,899)
Cash Surplus / (Deficiency)	\$ (1,179,436)	\$ 22,649	\$ (43,588)	\$ (108,241)	\$ (173,365)	\$ (244,105)	\$ (321,343)	\$ (406,713)	\$ (495,166)	\$ (593,154)	\$ (699,169)
Annual Rate Increase	0.00%	0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Cumulative Rate Increase	0.00%	0.00%	4.00%	8.16%	12.49%	16.99%	21.67%	26.53%	31.59%	36.86%	42.33%
Revenues After Rate Increases											
Rate Revenues (Before Rate Increases)	\$ 1,392,436	\$ 1,450,000	\$ 1,485,600	\$ 1,522,075	\$ 1,559,445	\$ 1,597,733	\$ 1,636,960	\$ 1,677,151	\$ 1,718,328	\$ 1,760,517	\$ 1,803,741
Additional Revenue from Rate Increases	-	-	59,424	124,201	194,719	271,389	354,652	444,980	542,875	648,872	763,545
SDC Revenue Towards Debt Service	-	-	-	-	-	-	-	-	-	-	-
Other Revenues & Interest	65,591	41,850	42,077	42,193	44,473	44,550	44,633	44,718	44,789	44,886	44,989
Total Revenues With Rate Increases	\$ 1,458,027	\$ 1,491,850	\$ 1,587,101	\$ 1,688,470	\$ 1,798,637	\$ 1,913,672	\$ 2,036,246	\$ 2,166,849	\$ 2,305,992	\$ 2,454,275	\$ 2,612,275
Expenses & Transfers											
Cash Operating Expenses	\$ 720,144	\$ 856,037	\$ 926,093	\$ 969,689	\$ 1,016,029	\$ 1,065,745	\$ 1,116,644	\$ 1,159,353	\$ 1,217,600	\$ 1,279,380	\$ 1,344,948
Existing Debt Service	332,140	331,920	332,400	331,580	333,420	331,920	332,100	269,200	267,300	270,100	267,600
New Debt Service	-	-	-	220,705	220,705	220,705	220,705	220,705	220,705	220,705	220,705
Capital Improvement Reserve Contribution	-	-	-	-	-	-	-	-	-	-	-
Capital Replacement Reserve Contribution	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026
Additional Taxes After Rate Increase	-	-	4,160	8,694	13,630	18,997	24,826	31,149	38,001	45,421	53,448
Transfer of Surplus to Capital	1,539,153	235,219	266,746	104,510	161,104	221,993	287,462	433,298	506,652	582,347	668,621
Total Expenses	\$ 2,637,463	\$ 1,469,201	\$ 1,575,425	\$ 1,681,204	\$ 1,790,914	\$ 1,905,385	\$ 2,027,762	\$ 2,159,731	\$ 2,296,284	\$ 2,443,978	\$ 2,601,347
Additions / (Subtractions) to Operating Fund Balance	(1,179,436)	22,649	11,676	7,266	7,723	8,286	8,483	7,118	9,708	10,297	10,928
Impacts to Operating Fund Balance											
Beginning Operating Balance	\$ 1,299,460	\$ 120,024	\$ 142,673	\$ 154,349	\$ 161,615	\$ 169,338	\$ 177,624	\$ 186,107	\$ 193,226	\$ 202,933	\$ 213,230
Net Cash Flow After Transfers to Capital	(1,179,436)	22,649	11,676	7,266	7,723	8,286	8,483	7,118	9,708	10,297	10,928
Ending Operating Balance	\$ 120,024	\$ 142,673	\$ 154,349	\$ 161,615	\$ 169,338	\$ 177,624	\$ 186,107	\$ 193,226	\$ 202,933	\$ 213,230	\$ 224,158
<i>Minimum Operating Balance Target</i>	\$ 120,024	\$ 142,673	\$ 154,349	\$ 161,615	\$ 169,338	\$ 177,624	\$ 186,107	\$ 193,226	\$ 202,933	\$ 213,230	\$ 224,158
Net Cash Flow After Rate Increase	359,717	257,867	278,422	111,776	168,827	230,279	295,945	440,416	516,360	592,643	679,549
Coverage After Rate Increase: w/ SDCs	2.22	3.06	3.20	2.06	2.26	2.40	2.52	3.08	3.32	3.55	3.84
Sample Residential Monthly Bill	\$ 40.78	\$ 41.60	\$ 43.26	\$ 44.99	\$ 46.79	\$ 48.66	\$ 50.61	\$ 52.63	\$ 54.74	\$ 56.93	\$ 59.21

City of Sisters
Utility Rate Study: Wastewater Model
Assumptions

Fiscal Year Ending 6/30:

Economic & Financial Factors	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Escalation Rates											
General Cost Inflation	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Construction Cost Inflation	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
Labor Cost Inflation	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Account Growth	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%
General Inflation Plus Growth	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%
No Escalation	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
PERS Inflation	0.00%	25.00%	0.00%	25.00%	0.00%	25.00%	0.00%	25.00%	0.00%	25.00%	0.00%
PERS + Labor Inflation	4.00%	30.00%	4.00%	30.00%	4.00%	30.00%	4.00%	30.00%	4.00%	30.00%	4.00%
Medical Inflation	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
Medical + Labor Inflation	9.20%	9.20%	9.20%	9.20%	9.20%	9.20%	9.20%	9.20%	9.20%	9.20%	9.20%
Credit Card Fee Inflation	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
[Extra]	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Investment Interest	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Tax Rates											
Franchise Fee	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%

Accounting & Financial Policy Assumptions	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Beginning Fund Balances											
Operating Reserve	\$ 1,299,460										
Capital Improvement Reserve	15,600										
Capital Replacement Reserve	761,663										
SDC Fund	2,752,928										
Debt Reserve Fund	-										
	\$ 4,829,651										
Total Operating and Capital Cash Test: Days of O&M	180 days	180 days	180 days	180 days	180 days	180 days	180 days	180 days	180 days	180 days	180 days
(Informational only--does not drive rate increases)											
Fund Balance Target: Minimum & Maximum Operating Balances											
Min. Fund Balance Target (Months of O&M expense)	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months
Max. Fund Balance (Months of O&M expense)	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months
Fund Balance Target: Capital											
Capital Improvement Reserve	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Replacement Reserve	\$ 807,689	\$ 853,715	\$ 899,740	\$ 945,766	\$ 991,792	\$ 1,037,818	\$ 1,083,843	\$ 1,129,869	\$ 1,175,895	\$ 1,221,921	\$ 1,267,946
Rate Funded System Reinvestment											
Capital Improvement Reserve	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Replacement Reserve	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026
Total	\$ 46,026	\$ 46,026	\$ 46,026	\$ 46,026	\$ 46,026	\$ 46,026	\$ 46,026	\$ 46,026	\$ 46,026	\$ 46,026	\$ 46,026
<i>Actual Result With Transfers (compared to Annual Depreciation)</i>	534%	82%	93%	30%	38%	45%	50%	75%	86%	99%	114%

City of Sisters
Utility Rate Study: Wastewater Model
 Assumptions

Fiscal Year Ending 6/30:

Capital Financing Assumptions		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
System Development Charges												
Annual Inflationary Increase			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Existing System Development Charge												
Reimbursement Fee	\$	2,816	\$ 3,131	\$ 3,256	\$ 3,386	\$ 3,522	\$ 3,663	\$ 3,809	\$ 3,962	\$ 4,120	\$ 4,285	\$ 4,456
Improvement Fee		2,104	2,080	2,163	2,250	2,340	2,433	2,531	2,632	2,737	2,847	2,960
Administration Fee @ 5%		246	261	271	282	294	305	318	330	343	357	371
Total	\$	-	\$ 5,472	\$ 5,691	\$ 5,919	\$ 6,155	\$ 6,401	\$ 6,658	\$ 6,924	\$ 7,201	\$ 7,489	\$ 7,788
Citywide												
Total Meter Equivalents		2,710	2,777	2,845	2,915	2,986	3,059	3,135	3,211	3,290	3,371	3,454
Additional Meter Equivalents per Year		65	67	68	70	72	73	75	77	79	81	83
Reimbursement Fee Revenue	\$	182,875	\$ 208,324	\$ 221,977	\$ 236,524	\$ 252,024	\$ 268,540	\$ 286,139	\$ 304,891	\$ 324,871	\$ 346,161	\$ 368,847
Improvement Fee Revenue		136,637	138,395	147,464	157,128	167,426	178,398	190,089	202,546	215,820	229,964	245,034
Total SDC Revenue to Use in Model	\$	-	\$ 364,085	\$ 387,945	\$ 413,369	\$ 440,458	\$ 469,323	\$ 500,080	\$ 532,853	\$ 567,773	\$ 604,981	\$ 644,628
Budgeted SDC Revenue	\$	350,000	\$ 358,593	\$ 367,397	\$ 376,418	\$ 385,660	\$ 395,128	\$ 404,830	\$ 414,769	\$ 424,952	\$ 435,386	\$ 446,075
System Development Charges Towards Debt Service												
Total Annual Debt Service	\$	332,140	\$ 331,920	\$ 332,400	\$ 552,285	\$ 554,125	\$ 552,625	\$ 552,805	\$ 489,905	\$ 488,005	\$ 490,805	\$ 488,305
Total Annual SDCs	\$	-	\$ 364,085	\$ 387,945	\$ 413,369	\$ 440,458	\$ 469,323	\$ 500,080	\$ 532,853	\$ 567,773	\$ 604,981	\$ 644,628
Total SDCs for Debt Service		-										
Total Improvement Fee SDCs for Capital	\$	-	\$ 364,085	\$ 387,945	\$ 413,369	\$ 440,458	\$ 469,323	\$ 500,080	\$ 532,853	\$ 567,773	\$ 604,981	\$ 644,628
Actual % SDCs to Pay for Debt Service			0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Outside Funding Sources (Uses)												
Capital Grants / Contributions	Function											
[Extra]		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
[Extra]		-	-	-	-	-	-	-	-	-	-	-
[Extra]		-	-	-	-	-	-	-	-	-	-	-
[Extra]		-	-	-	-	-	-	-	-	-	-	-
Total: Capital Grants / Contributions		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Revenue Bonds												
Term (Years)		40 Years	40 Years	40 Years	40 Years	40 Years	40 Years	40 Years	40 Years	40 Years	40 Years	40 Years
Interest Only Payments (Years)		0 Years	0 Years	0 Years	0 Years	0 Years	0 Years	0 Years	0 Years	0 Years	0 Years	0 Years
Interest Cost		4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%
Issuance Cost		1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Coverage Requirement (w/o SDCs)		1.50										
Use Reserves to Pay for Last Payment?		Yes										

City of Sisters
Utility Rate Study: Wastewater Model
 Operating Revenue and Expenditure Forecast

		Forecast Basis	Projected													
			Actuals	Budget	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Operating Revenues			Fiscal Year Ending 6/30:													
Rate Revenues																
05-4-00-327	SEWER RECEIPTS	Account Growth	\$1,392,436	\$1,450,000	\$1,485,600	\$1,522,075	\$1,559,445	\$1,597,733	\$1,636,960	\$1,677,151	\$1,718,328	\$1,760,517	\$1,803,741			
Total Rate Revenue			\$1,392,436	\$1,450,000	\$1,485,600	\$1,522,075	\$1,559,445	\$1,597,733	\$1,636,960	\$1,677,151	\$1,718,328	\$1,760,517	\$1,803,741			
Non-Rate Revenues																
05-4-00-314	PUBLIC WORKS FEES	No Escalation	\$ 8,370	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000			
05-4-00-337	OVERNIGHT PARK SEWER RECEIPTS	No Escalation	22,740	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000				
05-4-00-354	PROPERTY RENTAL	No Escalation	-	-	-	-	-	-	-	-	-	-				
05-4-00-342	SALE OF ASSETS	No Escalation	-	-	-	-	-	-	-	-	-	-				
05-4-00-360	MISCELLANEOUS	No Escalation	19,586	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000				
05-4-00-362	REFUNDS/REIMBURSMENTS	No Escalation	800	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000				
05-4-00-381	SEWER TAP FEE	No Escalation	1,100	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650				
05-4-00-389	PLAN CHECK FEES	No Escalation	-	-	-	-	-	-	-	-	-	-				
Total Non-Rate Revenues			\$ 52,596	\$ 40,650	\$ 40,650	\$ 40,650	\$ 40,650	\$ 40,650	\$ 40,650	\$ 40,650	\$ 40,650	\$ 40,650				
TOTAL OPERATING REVENUES			\$1,445,032	\$1,490,650	\$1,526,250	\$1,562,725	\$1,600,095	\$1,638,383	\$1,677,610	\$1,717,801	\$1,758,978	\$1,801,167	\$1,844,391			
Operating Expenses																
TRANSFERS																
05-5-00-602	TRANSFER TO CITY HALL FUND	No Escalation	\$ 12,200	\$ 12,100	\$ 12,634	\$ 12,446	\$ 12,485	\$ 13,210	\$ 12,240	\$ -	\$ -	\$ -	\$ -			
SUBTOTAL TRANSFERS			\$ 12,200	\$ 12,100	\$ 12,634	\$ 12,446	\$ 12,485	\$ 13,210	\$ 12,240	\$ -	\$ -	\$ -	\$ -			
PERSONNEL SERVICES																
SALARIES AND WAGES			\$ 203,908	\$ 252,383	\$ 298,978	\$ 310,937	\$ 323,375	\$ 336,310	\$ 349,762	\$ 363,753	\$ 378,303	\$ 393,435	\$ 409,172			
PAYROLL TAXES, INSURANCE, AND BENEFITS			118,669	152,179	166,179	181,468	198,163	216,394	236,302	258,042	281,782	307,706	336,015			
05-5-00-500	CITY MANAGER	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-				
05 5 00 501	FINANCE ACCOUNTING ANALYST	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-				
05-5-00-502	ADMIN ASST	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-				
05-5-00-503	PUBLIC WORKS DIRECTOR	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-				
05-5-00-504	UTILITY TECHNICIAN II	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-				
05-5-00-505	UTILITY TECHNICIAN I	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-				
05 5 00 511	UTILITY ASSISTANT	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-				
05-5-00-513	OVERTIME	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-				
05-5-00-515	PLANNING TECHICIAN	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-				
05-5-00-516	ASSOCIATE PLANNER	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-				
05-5-00-518	ACCOUNTING TECHNICIAN	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-				
05-5-00-519	DATA ANALYST	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-				
05-5-00-521	FINANCE OFFICER	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-				
05-5-00-522	PUBLIC WORKS OPS COORDINATOR	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-				
05-5-00-523	ENGINEERING TECHNICIAN	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-				
05-5-00-524	MAINTENANCE LEAD	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-				
05-5-00-525	PROJECT COORDINATOR	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-				
05-5-00-527	CITY RECORDER	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-				
05-5-00-529	FINANCE & ADMIN DIRECTOR	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-				
05-5-00-533	MAINTENANCE SUPERVISOR	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-				
05-5-00-534	CODE COMPLIANCE OFFICER	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-				
05-5-00-552	CELL PHONE ALLOWANCE	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-				
05-5-00-573	ON CALL COMPENSATION	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-				
05-5-00-580	BONUS	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-				
05-5-00-581	SOCIAL SECURITY	PERS Inflation	-	-	-	-	-	-	-	-	-	-				
05-5-00-582	WORKER'S COMP	PERS Inflation	-	-	-	-	-	-	-	-	-	-				
05-5-00-583	PERS/OSPRS	PERS Inflation	-	-	-	-	-	-	-	-	-	-				
05-5-00-584	MED/DENT/VISION INSURANCE	PERS Inflation	-	-	-	-	-	-	-	-	-	-				
05-5-00-586	LTD	PERS Inflation	-	-	-	-	-	-	-	-	-	-				
05-5-00-587	LIFE INSURANCE	PERS Inflation	-	-	-	-	-	-	-	-	-	-				
05-5-00-588	UNEMPLOYMENT INS.	PERS Inflation	-	-	-	-	-	-	-	-	-	-				
05-5-00-589	MEDICARE	PERS Inflation	-	-	-	-	-	-	-	-	-	-				
SUBTOTAL PERSONNEL SERVICES			\$ 322,577	\$ 404,562	\$ 465,158	\$ 492,405	\$ 521,538	\$ 552,704	\$ 586,065	\$ 621,795	\$ 660,085	\$ 701,141	\$ 745,187			

City of Sisters
Utility Rate Study: Wastewater Model
Operating Revenue and Expenditure Forecast

		Fiscal Year Ending 6/30:		Projected										
		Actuals		Budget										
Operating Expenses (Continued)		Forecast Basis		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
MATERIALS & SERVICES														
05-5-00-704	RECRUITMENT	General Cost Inflation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
05-5-00-705	ADVERTISING	General Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
05-5-00-706	AUDIT FEES	General Cost Inflation	6,160	9,100	9,464	9,843	10,236	10,646	11,072	11,514	11,975	12,454	12,952	
05-5-00-710	COMPUTER SOFTWARE MAINT.	General Cost Inflation	6,132	11,500	11,960	12,438	12,936	13,453	13,992	14,551	15,133	15,739	16,368	
05-5-00-712	CHEMICALS	General Cost Inflation	4,661	5,000	5,200	5,408	5,624	5,849	6,083	6,327	6,580	6,843	7,117	
05-5-00-713	DEVELOPMENT REVIEW	General Cost Inflation	1,822	5,000	5,200	5,408	5,624	5,849	6,083	6,327	6,580	6,843	7,117	
05-5-00-714	OFFICE SUPPLIES	General Cost Inflation	708	1,200	1,248	1,298	1,350	1,404	1,460	1,518	1,579	1,642	1,708	
05-5-00-715	POSTAGE	General Cost Inflation	2,556	19,000	19,760	20,550	21,372	22,227	23,116	24,041	25,003	26,003	27,043	
05-5-00-717	OFFICE EQUIPMENT	General Cost Inflation	1,349	500	520	541	562	585	608	633	658	684	712	
05-5-00-718	LEASES	General Cost Inflation	1,300	500	520	541	562	585	608	633	658	684	712	
05-5-00-721	COPIER/PRINTER	General Cost Inflation	778	800	832	865	900	936	973	1,012	1,053	1,095	1,139	
05-5-00-726	CONTRACTED SERVICES	General Cost Inflation	56,341	67,500	70,200	73,008	75,928	78,965	82,124	85,409	88,825	92,378	96,074	
05-5-00-727	PERMITS & FEES	General Cost Inflation	9,272	8,500	8,840	9,194	9,561	9,944	10,342	10,755	11,185	11,633	12,098	
05-5-00-733	DUES & SUBSCRIPTIONS	General Cost Inflation	1,104	400	416	433	450	468	487	506	526	547	569	
05-5-00-735	TELEPHONE	General Cost Inflation	2,718	3,100	3,224	3,353	3,487	3,627	3,772	3,922	4,079	4,243	4,412	
05-5-00-736	CELLULAR PHONES	General Cost Inflation	1,071	1,300	1,352	1,406	1,462	1,521	1,582	1,645	1,711	1,779	1,850	
05-5-00-740	EDUCATION	General Cost Inflation	932	1,500	1,560	1,622	1,687	1,755	1,825	1,898	1,974	2,053	2,135	
05-5-00-743	ELECTRICITY	General Cost Inflation	66,936	60,000	62,400	64,896	67,492	70,192	72,999	75,919	78,956	82,114	85,399	
05-5-00-746	SMALL TOOLS & EQUIPMENT	General Cost Inflation	2,157	5,000	5,200	5,408	5,624	5,849	6,083	6,327	6,580	6,843	7,117	
05-5-00-755	GAS/OIL	General Cost Inflation	8,352	8,400	8,736	9,085	9,449	9,827	10,220	10,629	11,054	11,496	11,956	
05-5-00-765	SEWER SYSTEM IMPROVEMENTS	General Cost Inflation	13,502	15,000	15,600	16,224	16,873	17,548	18,250	18,980	19,739	20,529	21,350	
05-5-00-766	INS: COM/PLIA/UMB	General Cost Inflation	20,853	25,000	26,000	27,040	28,122	29,246	30,416	31,633	32,898	34,214	35,583	
05-5-00-768	INTERNAL GEN FUND SERVICES	General Cost Inflation	10,919	11,725	12,194	12,682	13,189	13,717	14,265	14,836	15,429	16,046	16,688	
05-5-00-770	SEWER LOCATE SERVICE	General Cost Inflation	254	250	260	270	281	292	304	316	329	342	356	
05-5-00-771	MEDICAL TESTING & SERVICES	General Cost Inflation	193	200	208	216	225	234	243	253	263	274	285	
05-5-00-772	ROW FRANCHISE FEE	[Calculated]	95,801	101,500	103,992	106,545	109,161	111,841	114,587	117,401	120,283	123,236	126,262	
05-5-00-775	LABORATORY FEES	General Cost Inflation	2,141	2,500	2,600	2,704	2,812	2,925	3,042	3,163	3,290	3,421	3,558	
05-5-00-777	LEGAL FEES	General Cost Inflation	-	3,500	3,640	3,786	3,937	4,095	4,258	4,429	4,606	4,790	4,982	
05-5-00-780	CREDIT CARD FEE	Credit Card Fee Inflation	18,583	20,000	21,000	22,050	23,153	24,310	25,526	26,802	28,142	29,549	31,027	
05-5-00-782	UNIFORMS	General Cost Inflation	680	1,500	1,560	1,622	1,687	1,755	1,825	1,898	1,974	2,053	2,135	
05-5-00-787	SEWER SYSTEM REPAIRS	General Cost Inflation	26,466	27,500	28,600	29,744	30,934	32,171	33,458	34,796	36,188	37,636	39,141	
05-5-00-789	MILEAGE/TRAVEL REIMBURSEMT	General Cost Inflation	-	200	208	216	225	234	243	253	263	274	285	
05-5-00-790	MISCELLANEOUS	General Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	
05-5-00-793	MEETINGS/WORKSHOPS	General Cost Inflation	35	200	208	216	225	234	243	253	263	274	285	
05-5-00-795	SUPPLIES	General Cost Inflation	6,994	7,000	-	-	-	-	-	-	-	-	-	
05-5-00-796	VEHICLE MAINTENANCE	General Cost Inflation	14,597	15,000	15,600	16,224	16,873	17,548	18,250	18,980	19,739	20,529	21,350	
05-5-00-799	BAD DEBT EXPENSE	General Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	
SUBTOTAL MATERIALS & SERVICES				\$ 385,367	\$ 439,375	\$ 448,302	\$ 464,838	\$ 482,006	\$ 499,831	\$ 518,340	\$ 537,559	\$ 557,515	\$ 578,239	\$ 599,760
DEBT SERVICE														
05-5-00-817	REFUNDING BONDS PRINCIPAL	No Escalation	\$ -	\$ -	-	-	-	-	-	-	-	-	-	-
05-5-00-818	REFUNDING BONDS INTEREST	No Escalation	-	-	-	-	-	-	-	-	-	-	-	-
05-5-00-820	IFA LOAN PAYMENT - INTEREST	No Escalation	-	-	-	-	-	-	-	-	-	-	-	-
05-5-00-821	IFA LOAN PAYMENT - PRINCIPAL	No Escalation	-	-	-	-	-	-	-	-	-	-	-	-
05-5-00-822	LOAN PAYMENT/REFUND	No Escalation	-	-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL DEBT SERVICE				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CAPITAL OUTLAY														
05-5-00-906	CAPITAL OUTLAY	No Escalation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
05-5-00-926	LOCUST ST SEWER LINE RELOCATIO	No Escalation	-	-	-	-	-	-	-	-	-	-	-	-
05-5-00-992	SYSTEM RESERVES	No Escalation	-	-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL CAPITAL OUTLAY				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
[Extra]														
[Extra]	[Extra]	No Escalation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
[Extra]	[Extra]	No Escalation	-	-	-	-	-	-	-	-	-	-	-	-
[Extra]	[Extra]	No Escalation	-	-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL [Extra]				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL CASH OPERATING EXPENSES				\$ 720,144	\$ 856,037	\$ 926,093	\$ 969,689	\$ 1,016,029	\$ 1,065,745	\$ 1,116,644	\$ 1,159,353	\$ 1,217,600	\$ 1,279,380	\$ 1,344,948

City of Sisters
Utility Rate Study: Wastewater Model
Existing Debt

Fiscal Year Ending 6/30:

Existing Debt Service - Summary	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Annual Debt Payments											
Revenue Bonds	\$ 332,140	\$ 331,920	\$ 332,400	\$ 331,580	\$ 333,420	\$ 331,920	\$ 332,100	\$ 269,200	\$ 267,300	\$ 270,100	\$ 267,600
Other Bonds	-	-	-	-	-	-	-	-	-	-	-
Other Loans	-	-	-	-	-	-	-	-	-	-	-
Total Debt Payments	332,140	331,920	332,400	331,580	333,420	331,920	332,100	269,200	267,300	270,100	267,600

Existing Debt Service - Revenue Bonds	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
TOTAL REVENUE BONDS											
Annual Interest Payment	\$ 155,140	\$ 147,920	\$ 140,400	\$ 132,580	\$ 124,420	\$ 115,920	\$ 107,100	\$ 99,200	\$ 92,300	\$ 85,100	\$ 77,600
Annual Principal Payment	177,000	184,000	192,000	199,000	209,000	216,000	225,000	170,000	175,000	185,000	190,000
Total Annual Payment	\$ 332,140	\$ 331,920	\$ 332,400	\$ 331,580	\$ 333,420	\$ 331,920	\$ 332,100	\$ 269,200	\$ 267,300	\$ 270,100	\$ 267,600
Use of Debt Reserve for Debt Service	-	-	-	-	-	-	-	-	-	-	-
Annual Debt Reserve Target on Existing Reven	333,420	333,420	333,420	333,420	333,420	332,100	332,100	270,700	270,700	270,700	270,700

Existing Debt Service - Other Bonds	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
[Extra]											
Annual Interest Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment	-	-	-	-	-	-	-	-	-	-	-
Total Annual Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OTHER BONDS											
Annual Interest Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment	-	-	-	-	-	-	-	-	-	-	-
Total Annual Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Existing Debt Service - Other Loans	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
TOTAL OTHER LOANS											
Annual Interest Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment	-	-	-	-	-	-	-	-	-	-	-
Total Annual Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

City of Sisters
Utility Rate Study: Wastewater Model
 Capital Improvement Program

Project Costs in Year:

2023

Fiscal Year Ending 6/30:

ID	Description	Expenditure by Fund Type				Unescalated Total	UNESCALATED COSTS											
		% SDC Improvement Fee Funded	% Improvement Reserve Funded	% Replacement Reserve Funded	Total		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
	5-Year Forecast Wastewater Projects																	
	Lazy Z Ranch Phase 1	87%	13%	100%	-	\$ 5,286,155	-	-	1,321,539	1,321,539	1,321,539	1,321,539	-	-	-	-	-	-
	Rope Street Lift Station Improvements	0%	100%	100%	-	642,994	-	-	160,749	160,749	160,749	160,749	-	-	-	-	-	-
	Westside Lift Station	97%	3%	100%	-	2,230,902	-	-	557,725	557,725	557,725	557,725	-	-	-	-	-	-
	Creekside Court Lift Station	0%	100%	100%	-	1,194,280	-	-	298,570	298,570	298,570	298,570	-	-	-	-	-	-
	5-to-10-Year Forecast Wastewater Projects																	
	Biosolids Removal	0%	100%	100%	-	206,088	-	-	-	-	-	68,696	68,696	68,696	-	-	-	-
	Lagoons No. 2 and 3 Aerator Replacement	49%	51%	100%	-	456,485	-	-	-	-	-	152,162	152,162	152,162	-	-	-	-
	>10-Year Forecast Wastewater Projects																	
	Lazy Z Ranch Phase 2	97%	3%	100%	-	638,873	-	-	-	-	-	-	-	-	-	-	-	63,887
	Chlorine Contact System Improvements	0%	100%	100%	-	99,953	-	-	-	-	-	-	-	-	-	-	-	9,995
	Headworks Improvements	0%	100%	100%	-	485,337	-	-	-	-	-	-	-	-	-	-	-	48,534
	TOTAL CAPITAL PROJECTS					11,241,066	\$ -	\$ -	\$ 2,338,583	\$ 2,338,583	\$ 2,338,583	\$ 2,559,440	\$ 220,858	\$ 220,858	\$ -	\$ -	\$ -	\$ 122,416
	Total SDC Projects	SDC Fund				7,623,500	\$ -	\$ -	\$ 1,695,500	\$ 1,695,500	\$ 1,695,500	\$ 1,769,333	\$ 73,833	\$ 73,833	\$ -	\$ -	\$ -	\$ 62,000
	Total Improvement Reserve Projects	Improvement Reserve				3,617,566	\$ -	\$ -	\$ 643,083	\$ 643,083	\$ 643,083	\$ 790,107	\$ 147,024	\$ 147,024	\$ -	\$ -	\$ -	\$ 60,416
	Total Replacement Reserve Projects	Replacement Reserve				0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Projects by CIAC						\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Projects by Enterprise Fund						\$ -	\$ -	\$ 2,338,583	\$ 2,338,583	\$ 2,338,583	\$ 2,559,440	\$ 220,858	\$ 220,858	\$ -	\$ -	\$ -	\$ 122,416

City of Sisters
Utility Rate Study: Wastewater Model
 Capital Improvement Program

Project Costs in Year:

Annual Escalation:	0.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
Cumulative Escalation - 2016:	0.00%	5.00%	10.25%	15.76%	21.55%	27.63%	34.01%	40.71%	47.75%	55.13%	

		ESCALATED COSTS										
ID	Description	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	ESCALATED TOTAL
	5-Year Forecast Wastewater Projects	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Lazy Z Ranch Phase 1	-	-	1,456,997	1,529,846	1,606,339	1,686,656	-	-	-	-	6,279,837
	Rope Street Lift Station Improvements	-	-	177,225	186,087	195,391	205,160	-	-	-	-	763,863
	Westside Lift Station	-	-	614,892	645,637	677,919	711,815	-	-	-	-	2,650,263
	Creekside Court Lift Station	-	-	329,173	345,632	362,914	381,059	-	-	-	-	1,418,778
	5-to-10-Year Forecast Wastewater Projects	-	-	-	-	-	-	-	-	-	-	-
	Biosolids Removal	-	-	-	-	-	87,675	92,059	96,662	-	-	276,397
	Lagoons No. 2 and 3 Aerator Replacement	-	-	-	-	-	194,201	203,911	214,107	-	-	612,219
	>10-Year Forecast Wastewater Projects	-	-	-	-	-	-	-	-	-	-	-
	Lazy Z Ranch Phase 2	-	-	-	-	-	-	-	-	-	-	1,308,926
	Chlorine Contact System Improvements	-	-	-	-	-	-	-	-	-	-	204,784
	Headworks Improvements	-	-	-	-	-	-	-	-	-	-	994,362
	TOTAL CAPITAL PROJECTS	\$ -	\$ -	\$ 2,578,288	\$ 2,707,202	\$ 2,842,562	\$ 3,266,567	\$ 295,970	\$ 310,769	\$ -	\$ -	\$ 14,509,428
	Total SDC Projects	\$ -	\$ -	\$ 1,869,289	\$ 1,962,753	\$ 2,060,891	\$ 2,258,168	\$ 98,944	\$ 103,891	\$ -	\$ -	\$ 9,624,195
	Total Improvement Reserve Projects	-	-	708,999	744,449	781,671	1,008,399	197,027	206,878	-	-	4,885,234
	Total Replacement Reserve Projects	-	-	-	-	-	-	-	-	-	-	-
	Projects by CIAC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Projects by Enterprise Fund	\$ -	\$ -	\$ 2,578,288	\$ 2,707,202	\$ 2,842,562	\$ 3,266,567	\$ 295,970	\$ 310,769	\$ -	\$ -	\$ 14,509,428

City of Sisters
Utility Rate Study: Wastewater Model
 Capital Funding

Fiscal Year Ending 6/30:

Capital Project Summary	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
TOTAL CAPITAL EXPENDITURES	\$ -	\$ -	\$ 2,578,288	\$ 2,707,202	\$ 2,842,562	\$ 3,266,567	\$ 295,970	\$ 310,769	\$ -	\$ -	\$ 199,403

Manual Input Debt Assumptions	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Proceeds - Revenue Bonds	\$ -	\$ -	\$ -	\$ 3,800,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

*Model will automatically calculate revenue bond debt if 'Revenue Bond Proceeds' is blank.

Capital Financing Plan	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Outside Funding Sources: Grants/CIAC	-	-	-	-	-	-	-	-	-	-	-
Balance/Remained to be Funded	\$ -	\$ -	\$ 2,578,288	\$ 2,707,202	\$ 2,842,562	\$ 3,266,567	\$ 295,970	\$ 310,769	\$ -	\$ -	\$ 199,403
OTHER FUNDING SOURCES	Available Same Year? (Note: Operating transfers in year N are always assumed to be available in year N + 1.)										
Beginning Fund Balances	\$ 777,263	\$ 2,370,214	\$ 2,675,161	\$ 2,305,686	\$ 5,534,829	\$ 3,587,679	\$ 1,094,331	\$ 1,241,736	\$ 1,526,599	\$ 2,094,543	\$ 2,743,861
Capital Improvement Reserve Contribution	Yes	-	-	-	-	-	-	-	-	-	-
Capital Replacement Reserve Contribution	Yes	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026
Use of SDC Revenue	Yes	-	364,085	387,945	413,369	440,458	469,323	500,080	532,853	567,773	604,981
Use of SDC Fund Balance	Yes	2,752,928	2,780,457	3,172,347	1,722,727	190,569	-	401,136	834,109	1,410,223	2,029,306
Interest Earnings	No	-	-	-	-	-	-	-	-	-	-
Minimum Capital Balance?	Yes	-	-	-	-	-	-	-	-	-	-
Revenue Bond Proceeds	-	-	-	3,800,000	-	-	-	-	-	-	-
TOTAL CAPITAL RESOURCES	\$ 3,576,217	\$ 5,560,782	\$ 6,281,478	\$ 8,287,807	\$ 6,211,883	\$ 4,103,028	\$ 1,640,437	\$ 2,221,750	\$ 2,974,507	\$ 4,155,773	\$ 5,463,821

Info: Working Capital Contingency Deficit

New Debt Computations	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
REVENUE BONDS											
Amount to Fund	\$ -	\$ -	\$ -	\$ 3,800,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Issuance Costs	-	-	-	40,613	-	-	-	-	-	-	-
Reserve Required	-	-	-	220,705	-	-	-	-	-	-	-
Amount of Debt Issue	\$ -	\$ -	\$ -	\$ 4,061,318	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Debt Service Summary	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
EXISTING DEBT SERVICE											
Annual Interest Payments	\$ 155,140	\$ 147,920	\$ 140,400	\$ 132,580	\$ 124,420	\$ 115,920	\$ 107,100	\$ 99,200	\$ 92,300	\$ 85,100	\$ 77,600
Annual Principal Payments	177,000	184,000	192,000	199,000	209,000	216,000	225,000	170,000	175,000	185,000	190,000
Total Debt Service Payments	\$ 332,140	\$ 331,920	\$ 332,400	\$ 331,580	\$ 333,420	\$ 331,920	\$ 332,100	\$ 269,200	\$ 267,300	\$ 270,100	\$ 267,600
Revenue Bond Payments Only	\$ 332,140	\$ 331,920	\$ 332,400	\$ 331,580	\$ 333,420	\$ 331,920	\$ 332,100	\$ 269,200	\$ 267,300	\$ 270,100	\$ 267,600
NEW DEBT SERVICE											
Annual Interest Payments	\$ -	\$ -	\$ -	\$ 182,759	\$ 181,052	\$ 179,267	\$ 177,403	\$ 175,454	\$ 173,418	\$ 171,290	\$ 169,066
Annual Principal Payments	-	-	-	37,945	39,653	41,437	43,302	45,251	47,287	49,415	51,639
Total Debt Service Payments	\$ -	\$ -	\$ -	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705
Revenue Bond Payments Only	\$ -	\$ -	\$ -	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705
TOTAL DEBT SERVICE PAYMENTS	\$ 332,140	\$ 331,920	\$ 332,400	\$ 552,285	\$ 554,125	\$ 552,625	\$ 552,805	\$ 489,905	\$ 488,005	\$ 490,805	\$ 488,305
Total Interest Payments	\$ 155,140	\$ 147,920	\$ 140,400	\$ 315,339	\$ 305,472	\$ 295,187	\$ 284,503	\$ 274,654	\$ 265,718	\$ 256,390	\$ 246,666
Total Principal Payments	177,000	184,000	192,000	236,945	248,653	257,437	268,302	215,251	222,287	234,415	241,639
Total Revenue Bond Payments Only	\$ 332,140	\$ 331,920	\$ 332,400	\$ 552,285	\$ 554,125	\$ 552,625	\$ 552,805	\$ 489,905	\$ 488,005	\$ 490,805	\$ 488,305
Use of Debt Reserve for Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

City of Sisters
Utility Rate Study: Wastewater Model
 Revenue Requirement Tests

Fiscal Year Ending 6/30:

Cash Flow Test	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
REVENUES											
Rate Revenue	\$ 1,392,436	\$ 1,450,000	\$ 1,485,600	\$ 1,522,075	\$ 1,559,445	\$ 1,597,733	\$ 1,636,960	\$ 1,677,151	\$ 1,718,328	\$ 1,760,517	\$ 1,803,741
SDC Revenue Towards Debt Service	-	-	-	-	-	-	-	-	-	-	-
Other Non-Rate Revenue	52,596	40,650	40,650	40,650	40,650	40,650	40,650	40,650	40,650	40,650	40,650
Interest Earnings: Operating & Debt Reserve Funds	12,995	1,200	1,427	1,543	3,823	3,900	3,983	4,068	4,139	4,236	4,339
Total Revenue	\$ 1,458,027	\$ 1,491,850	\$ 1,527,677	\$ 1,564,268	\$ 1,603,918	\$ 1,642,283	\$ 1,681,593	\$ 1,721,869	\$ 1,763,118	\$ 1,805,403	\$ 1,848,730
EXPENSES											
Cash Operating Expenses	\$ 720,144	\$ 856,037	\$ 926,093	\$ 969,689	\$ 1,016,029	\$ 1,065,745	\$ 1,116,644	\$ 1,159,353	\$ 1,217,600	\$ 1,279,380	\$ 1,344,948
Existing Debt Service	332,140	331,920	332,400	331,580	333,420	331,920	332,100	269,200	267,300	270,100	267,600
New Debt Service	-	-	-	220,705	220,705	220,705	220,705	220,705	220,705	220,705	220,705
Capital Improvement Reserve Contribution	-	-	-	-	-	-	-	-	-	-	-
Capital Replacement Reserve Contribution	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026
Additions Required to Meet Min. Op. Fund Balance	-	-	-	-	-	-	-	-	-	-	-
Total Expenses	\$ 1,098,310	\$ 1,233,983	\$ 1,304,519	\$ 1,568,000	\$ 1,616,179	\$ 1,664,395	\$ 1,715,475	\$ 1,695,284	\$ 1,751,631	\$ 1,816,211	\$ 1,879,278
NET CASH FLOW (DEFICIENCY)	\$ 359,717	\$ 257,867	\$ 223,158	\$ (3,732)	\$ (12,261)	\$ (22,112)	\$ (33,882)	\$ 26,585	\$ 11,487	\$ (10,808)	\$ (30,548)

Coverage Test - w/o SDCs	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
ALLOWABLE REVENUES											
Rate Revenue	\$ 1,392,436	\$ 1,450,000	\$ 1,485,600	\$ 1,522,075	\$ 1,559,445	\$ 1,597,733	\$ 1,636,960	\$ 1,677,151	\$ 1,718,328	\$ 1,760,517	\$ 1,803,741
Other Revenue	52,596	40,650	40,650	40,650	40,650	40,650	40,650	40,650	40,650	40,650	40,650
SDC Revenue	-	-	-	-	-	-	-	-	-	-	-
Interest Earnings - All Funds	13,151	16,749	19,483	15,358	49,377	29,424	4,010	4,999	7,344	12,540	18,549
Total Revenue	\$ 1,458,183	\$ 1,507,399	\$ 1,545,734	\$ 1,578,083	\$ 1,649,472	\$ 1,667,807	\$ 1,681,620	\$ 1,722,800	\$ 1,766,322	\$ 1,813,706	\$ 1,862,940
Coverage w/o SDCs	2.22	1.96	1.86	1.10	1.14	1.09	1.02	1.15	1.12	1.09	1.06
EXPENSES											
Cash Operating Expenses	\$ 720,144	\$ 856,037	\$ 926,093	\$ 969,689	\$ 1,016,029	\$ 1,065,745	\$ 1,116,644	\$ 1,159,353	\$ 1,217,600	\$ 1,279,380	\$ 1,344,948
Revenue Bond Debt Service	332,140	331,920	332,400	552,285	554,125	552,625	552,805	489,905	488,005	490,805	488,305
Revenue Bond Coverage Requirement at 1.5	166,070	165,960	166,200	276,142	277,062	276,312	276,402	244,952	244,002	245,402	244,152
Total Expenses	\$ 1,218,354	\$ 1,353,917	\$ 1,424,693	\$ 1,798,117	\$ 1,847,216	\$ 1,894,682	\$ 1,945,852	\$ 1,894,211	\$ 1,949,607	\$ 2,015,587	\$ 2,077,405
COVERAGE SURPLUS (DEFICIENCY)	\$ 239,829	\$ 153,482	\$ 121,041	\$ (220,033)	\$ (197,744)	\$ (226,875)	\$ (264,232)	\$ (171,410)	\$ (183,285)	\$ (201,881)	\$ (214,465)

Maximum Revenue Deficiency	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Sufficiency Test Driving the Deficiency	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2
Maximum Revenue Deficiency (Surplus)	\$ (239,829)	\$ (153,482)	\$ (121,041)	\$ 220,033	\$ 197,744	\$ 226,875	\$ 264,232	\$ 171,410	\$ 183,285	\$ 201,881	\$ 214,465
plus: Additional Tax Expense	(18,052)	(11,552)	(9,111)	16,562	14,884	17,077	19,888	12,902	13,796	15,195	16,143
less: Incremental Revenue From Prior Rate Increases	-	-	-	(60,883)	(127,251)	(199,499)	(278,052)	(363,360)	(455,905)	(556,203)	(664,803)
Net Revenue Deficiency (Surplus)	\$ (257,880)	\$ (165,035)	\$ (130,151)	\$ 175,712	\$ 85,377	\$ 44,452	\$ 6,068	\$ (179,047)	\$ (258,824)	\$ (339,127)	\$ (434,196)

City of Sisters
Utility Rate Study: Wastewater Model
 Revenue Requirement Tests

Fiscal Year Ending 6/30:

Rate Increases	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Rate Revenue @ Existing Rates	\$ 1,392,436	\$ 1,450,000	\$ 1,485,600	\$ 1,522,075	\$ 1,559,445	\$ 1,597,733	\$ 1,636,960	\$ 1,677,151	\$ 1,718,328	\$ 1,760,517	\$ 1,803,741
Revenues from Prior Rate Increases	-	-	-	60,883	127,251	199,499	278,052	363,360	455,905	556,203	664,803
Rate Revenue Before Rate Increase (incl. previous increases)	\$ 1,392,436	\$ 1,450,000	\$ 1,485,600	\$ 1,582,958	\$ 1,686,696	\$ 1,797,232	\$ 1,915,012	\$ 2,040,510	\$ 2,174,233	\$ 2,316,720	\$ 2,468,544
Required Annual Rate Increase	-18.52%	-11.38%	-8.76%	11.10%	5.06%	2.47%	0.32%	-8.77%	-11.90%	-14.64%	-17.59%
Number of Months New Rates Will Be In Effect	12 Months	12 Months	12 Months	12 Months	12 Months	12 Months	12 Months	12 Months	12 Months	12 Months	12 Months
Info: % Increase to Generate Required Revenue	0.00%	0.00%	0.00%	11.10%	5.06%	2.47%	0.32%	0.00%	0.00%	0.00%	0.00%
Policy Induced Rate Increases	0.00%	0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
ANNUAL RATE INCREASE	0.00%	0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
CUMULATIVE RATE INCREASE	0.00%	0.00%	4.00%	8.16%	12.49%	16.99%	21.67%	26.53%	31.59%	36.86%	42.33%

Impacts of Rate Increases	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Sufficiency Test Driving the Deficiency	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2
Rate Revenues After Rate Increase	\$ 1,392,436	\$ 1,450,000	\$ 1,545,024	\$ 1,646,276	\$ 1,754,164	\$ 1,869,121	\$ 1,991,612	\$ 2,122,131	\$ 2,261,203	\$ 2,409,389	\$ 2,567,286
Full Year Rate Revenues After Rate Increase	\$ 1,392,436	\$ 1,450,000	\$ 1,545,024	\$ 1,646,276	\$ 1,754,164	\$ 1,869,121	\$ 1,991,612	\$ 2,122,131	\$ 2,261,203	\$ 2,409,389	\$ 2,567,286
Partial Year Adjustment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Additional Taxes Due to Rate Increases	-	-	4,160	8,694	13,630	18,997	24,826	31,149	38,001	45,421	53,448
Net Cash Flow After Rate Increase	\$ 359,717	\$ 257,867	\$ 278,422	\$ 111,776	\$ 168,827	\$ 230,279	\$ 295,945	\$ 440,416	\$ 516,360	\$ 592,643	\$ 679,549
Coverage After Rate Increase: w/ SDCs	2.22	3.06	3.20	2.06	2.26	2.40	2.52	3.08	3.32	3.55	3.84

Fund Balance Impacts	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Ending Fund Balance: Operating Reserve - Part Of Sewer Fund	\$ 120,024	\$ 142,673	\$ 154,349	\$ 161,615	\$ 169,338	\$ 177,624	\$ 186,107	\$ 193,226	\$ 202,933	\$ 213,230	\$ 224,158
Minimum Target: Operating Reserve - Part Of Sewer Fund	\$ 120,024	\$ 142,673	\$ 154,349	\$ 161,615	\$ 169,338	\$ 177,624	\$ 186,107	\$ 193,226	\$ 202,933	\$ 213,230	\$ 224,158
Ending Fund Balance: Capital Improvement Reserve - Part Of Sewer Fund	\$ 1,554,909	\$ 1,805,677	\$ 1,381,481	\$ 4,555,357	\$ 2,552,386	\$ 2,660	\$ 93,121	\$ 320,473	\$ 830,330	\$ 1,420,980	\$ 2,005,399
Minimum Target: Capital Improvement Reserve - Part Of Sewer Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Ending Fund Balance: Capital Replacement Reserve - Part Of Sewer Fund	\$ 815,305	\$ 869,484	\$ 924,205	\$ 979,473	\$ 1,035,293	\$ 1,091,672	\$ 1,148,614	\$ 1,206,126	\$ 1,264,213	\$ 1,322,881	\$ 1,382,136
Minimum Target: Capital Replacement Reserve - Part Of Sewer Fund	\$ 807,689	\$ 853,715	\$ 899,740	\$ 945,766	\$ 991,792	\$ 1,037,818	\$ 1,083,843	\$ 1,129,869	\$ 1,175,895	\$ 1,221,921	\$ 1,267,946
Ending Fund Balance: SDC Fund	\$ 2,780,457	\$ 3,172,347	\$ 1,722,727	\$ 190,569	\$ -	\$ -	\$ 401,136	\$ 834,109	\$ 1,410,223	\$ 2,029,306	\$ 2,593,236
Minimum Target: SDC Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

City of Sisters
Utility Rate Study: Wastewater Model
Fund Activity

Fiscal Year Ending 6/30:

Funds	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Operating Reserve - Part of Sewer Fund											
Beginning Balance	\$ 1,299,460	\$ 120,024	\$ 142,673	\$ 154,349	\$ 161,615	\$ 169,338	\$ 177,624	\$ 186,107	\$ 193,226	\$ 202,933	\$ 213,230
plus: Net Cash Flow after Rate Increase	359,717	257,867	278,422	111,776	168,827	230,279	295,945	440,416	516,360	592,643	679,549
less: Transfer to Capital Replacement Reserve	-	-	-	-	-	-	-	-	-	-	-
less: Transfer of Surplus to Capital Improvement Reserve	(1,539,153)	(235,219)	(266,746)	(104,510)	(161,104)	(221,993)	(287,462)	(433,298)	(506,652)	(582,347)	(668,621)
Ending Balance	\$ 120,024	\$ 142,673	\$ 154,349	\$ 161,615	\$ 169,338	\$ 177,624	\$ 186,107	\$ 193,226	\$ 202,933	\$ 213,230	\$ 224,158
<i>Minimum Target Balance</i>	\$ 120,024	\$ 142,673	\$ 154,349	\$ 161,615	\$ 169,338	\$ 177,624	\$ 186,107	\$ 193,226	\$ 202,933	\$ 213,230	\$ 224,158
<i>Maximum Funds to be Kept as Operating Reserves</i>	\$ 120,024	\$ 142,673	\$ 154,349	\$ 161,615	\$ 169,338	\$ 177,624	\$ 186,107	\$ 193,226	\$ 202,933	\$ 213,230	\$ 224,158
<i>Info: # of Months of Cash Operating Expenses</i>	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months
Capital Improvement Reserve - Part of Sewer Fund											
Beginning Balance	\$ 15,600	\$ 1,554,909	\$ 1,805,677	\$ 1,381,481	\$ 4,555,357	\$ 2,552,386	\$ 2,660	\$ 93,121	\$ 320,473	\$ 830,330	\$ 1,420,980
plus: Capital Improvement Reserve Contribution	-	-	-	-	-	-	-	-	-	-	-
plus: Transfers from Operating Fund	1,539,153	235,219	266,746	104,510	161,104	221,993	287,462	433,298	506,652	582,347	668,621
plus: Capital Grants / Contributions	-	-	-	-	-	-	-	-	-	-	-
plus: Revenue Bond Proceeds	-	-	-	3,800,000	-	-	-	-	-	-	-
plus: Interest Earnings	156	15,549	18,057	13,815	45,554	25,524	27	931	3,205	8,303	14,210
Total Funding Sources	\$ 1,554,909	\$ 1,805,677	\$ 2,090,480	\$ 5,299,805	\$ 4,762,014	\$ 2,799,903	\$ 290,148	\$ 527,351	\$ 830,330	\$ 1,420,980	\$ 2,103,811
less: Improvement Eligible Capital Expenditures	-	-	(708,999)	(744,449)	(2,209,628)	(2,797,243)	(197,027)	(206,878)	-	-	(98,412)
Ending Capital Improvement Reserve Balance	\$ 1,554,909	\$ 1,805,677	\$ 1,381,481	\$ 4,555,357	\$ 2,552,386	\$ 2,660	\$ 93,121	\$ 320,473	\$ 830,330	\$ 1,420,980	\$ 2,005,399
Capital Replacement Reserve - Part of Sewer Fund											
Beginning Balance	\$ 761,663	\$ 815,305	\$ 869,484	\$ 924,205	\$ 979,473	\$ 1,035,293	\$ 1,091,672	\$ 1,148,614	\$ 1,206,126	\$ 1,264,213	\$ 1,322,881
plus: Transfers from Operating Fund	-	-	-	-	-	-	-	-	-	-	-
plus: Capital Replacement Reserve Contribution	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026
plus: Interest Earnings	7,617	8,153	8,695	9,242	9,795	10,353	10,917	11,486	12,061	12,642	13,229
Total Funding Sources	\$ 815,305	\$ 869,484	\$ 924,205	\$ 979,473	\$ 1,035,293	\$ 1,091,672	\$ 1,148,614	\$ 1,206,126	\$ 1,264,213	\$ 1,322,881	\$ 1,382,136
less: Replacement Eligible Capital Expenditures	-	-	-	-	-	-	-	-	-	-	-
Ending Capital Replacement Reserve Balance	\$ 815,305	\$ 869,484	\$ 924,205	\$ 979,473	\$ 1,035,293	\$ 1,091,672	\$ 1,148,614	\$ 1,206,126	\$ 1,264,213	\$ 1,322,881	\$ 1,382,136
<i>Minimum Target Balance</i>	\$ 807,689	\$ 853,715	\$ 899,740	\$ 945,766	\$ 991,792	\$ 1,037,818	\$ 1,083,843	\$ 1,129,869	\$ 1,175,895	\$ 1,221,921	\$ 1,267,946
SDC Fund											
Beginning Balance	\$ 2,752,928	\$ 2,780,457	\$ 3,172,347	\$ 1,722,727	\$ 190,569	\$ -	\$ -	\$ 401,136	\$ 834,109	\$ 1,410,223	\$ 2,029,306
plus: SDC Revenue Toward Capital	-	364,085	387,945	413,369	440,458	469,323	500,080	532,853	567,773	604,981	644,628
plus: Interest Earnings	27,529	27,805	31,723	17,227	1,906	-	-	4,011	8,341	14,102	20,293
Total Funding Sources	\$ 2,780,457	\$ 3,172,347	\$ 3,592,015	\$ 2,153,323	\$ 632,934	\$ 469,323	\$ 500,080	\$ 938,000	\$ 1,410,223	\$ 2,029,306	\$ 2,694,227
less: SDC Eligible Capital Expenditures	-	-	(1,869,289)	(1,962,753)	(632,934)	(469,323)	(98,944)	(103,891)	-	-	(100,991)
Ending SDC Fund Balance	\$ 2,780,457	\$ 3,172,347	\$ 1,722,727	\$ 190,569	\$ -	\$ -	\$ 401,136	\$ 834,109	\$ 1,410,223	\$ 2,029,306	\$ 2,593,236
Debt Reserve Fund											
Beginning Balance	\$ -	\$ -	\$ -	\$ -	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705
plus: Reserve Funding from New Debt	-	-	-	220,705	-	-	-	-	-	-	-
less: Use of Reserves for Debt Service	-	-	-	-	-	-	-	-	-	-	-
Ending Balance	\$ -	\$ -	\$ -	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705
SUMMARY											
Combined Beginning Balance	\$ 4,829,651	\$ 5,270,696	\$ 5,990,181	\$ 4,182,761	\$ 6,107,718	\$ 3,977,722	\$ 1,492,660	\$ 2,049,684	\$ 2,774,639	\$ 3,928,404	\$ 5,207,102
Plus: Inflows	1,980,197	954,704	1,037,615	4,736,669	873,670	1,003,498	1,140,456	1,469,022	1,660,418	1,861,044	2,086,555
Less: Outflows	(1,539,153)	(235,219)	(2,845,034)	(2,811,712)	(3,003,666)	(3,488,560)	(583,432)	(744,067)	(506,652)	(582,347)	(868,024)
Combined Ending Balance	\$ 5,270,696	\$ 5,990,181	\$ 4,182,761	\$ 6,107,718	\$ 3,977,722	\$ 1,492,660	\$ 2,049,684	\$ 2,774,639	\$ 3,928,404	\$ 5,207,102	\$ 6,425,633
Net Change in Reserves	\$ 441,045	\$ 719,485	\$(1,807,419)	\$ 1,924,957	\$(2,129,996)	\$(2,485,062)	\$ 557,024	\$ 724,955	\$ 1,153,766	\$ 1,278,698	\$ 1,218,531
TOTAL AVAILABLE CASH TEST: DAYS OF O&M											
Operating & Capital Ending Balance	\$ 5,270,696	\$ 5,990,181	\$ 4,182,761	\$ 5,887,013	\$ 3,757,017	\$ 1,271,955	\$ 1,828,979	\$ 2,553,934	\$ 3,707,699	\$ 4,986,397	\$ 6,204,928
Ending Total Days of O&M	2,671 days	2,554 days	1,641 days	2,196 days	1,332 days	428 days	585 days	783 days	1,078 days	1,374 days	1,620 days
<i>Target: 180 Days of O&M</i>	\$ 355,140	\$ 422,155	\$ 458,755	\$ 482,491	\$ 507,777	\$ 534,941	\$ 562,917	\$ 587,097	\$ 619,201	\$ 653,327	\$ 689,620



2024 Water and Wastewater Rates

Major improvements to the City’s water and wastewater infrastructure are needed over the next 5 years to ensure safe and reliable services and meet projected growth.

Recently completed master plans for water and wastewater outline cost-effective improvements for increasing water storage and supply, replacing aging infrastructure, and increasing capacity. These improvements will allow the city to continue to provide drinking water and meet projected peak demands until a new water source is acquired.

A \$5.53 increase in the average residential monthly utility bill is being proposed to help fund these critical projects with future increases based on updated project cost estimates and the availability of alternative funding sources. Rates will remain affordable compared to other cities in Central Oregon.

Water Rates	Existing	Proposed				Wastewater Rates	Existing	Proposed			
	2024	2025	2026	2027	2024		2025	2026	2027		
Monthly Base Charge						Monthly Base Charge	\$41.60	\$43.26	\$44.99	\$46.79	
3/4" Meter	\$19.37	\$20.84	\$22.42	\$24.12							
1" Meter	\$21.72	\$27.15	\$29.21	\$31.42							
1-1/2" Meter	\$21.72	\$42.91	\$46.17	\$49.67							
2" Meter	\$24.07	\$61.82	\$66.52	\$71.56							
3" Meter	\$58.70	\$112.27	\$120.79	\$129.95							
4" Meter	\$58.70	\$169.01	\$181.84	\$195.64							
6" Meter	\$58.70	\$326.64	\$351.43	\$378.11							
8" Meter	\$58.70	\$515.80	\$554.95	\$597.07							
Volume Charge per ccf	\$1.00	\$1.24	\$1.47	\$1.73							
% of Revenue from Volume Charges	37%	41%	44%	46%							

As a customer that receives water and wastewater services from the City of Sisters you will see an increase in your monthly utility bill beginning with your July 2024 statement.

Average Summer Residential Bill (Assuming 7,500 gallons of Water Usage)	Existing	Proposed			
	2024	2025	2026	2027	
Alternative B – Enhanced Conservation					
Total Water/Wastewater Bill	\$70.97	\$76.50	\$82.11	\$88.21	
Change from Prior Year		+\$5.53	+\$5.61	+\$6.10	
Percent Change from Prior Year		+7.8%	+7.3%	+7.4%	

Did you know?

The City draws groundwater from the aquifer of the Upper Deschutes Basin. Highly permeable bedrock allows for precipitation in the Cascade Range to recharge the aquifer at over 4,000 cubic feet per second annually, resulting in about 1000 feet of saturation within a single geologic formation. Little change is predicted in the aquifer’s water table level in the future even when considering projected climatic changes.



Projects listed on this page will be funded by increases in utility rates and System Development Charges (SDCs). SDCs are fees paid by developers and ensure that growth is contributing to the ongoing capacity and reliability of our public infrastructure.

Water

- Well 1 Improvements (\$808,000)
 - Originally constructed in 1975, the declining structure lacks space for safety improvements which involves removing chlorine gas disinfection in favor of on-site generation and the associated electrical equipment and ventilation.
- New 2.2 MG Water Reservoir (\$6.3 million)
 - Existing reservoir storage capacity of 1.6 MG is 40,000 gallons less than what is currently needed. A new second reservoir will add capacity and redundancy.
- New 16" Edgington Road Transmission Main (\$3.6 million)
 - The existing water distribution system is not adequate for projected fire protection flows. A new second transmission main will provide increased flow capacity and redundancy.
- New 16" Ductile Iron Transmission Main (\$1.5 million)
 - Replacement of the aging transmission main from the existing reservoir to Whychus Creek junction.

Wastewater

- Westside Pumpstation (\$2.2 million)
 - System growth on the west side of the city requires a second pumpstation to reduce operations and maintenance costs, avoid up-sizing existing pumpstation, and improve reliability.
- Lazy Ranch Phase I Reuse Improvements (\$5.2 million)
 - Provide a larger, immediate increase in storage and irrigation capacity while adding recreational benefits.
- Rope Street Pumpstation Improvements (\$624,000)
 - Aging equipment requires replacement of pumps, electrical and controls, and relocation of back-up generator outside of the structure.

For questions regarding Utility Billing, contact utilities@ci.sisters.or.us or call (541) 323-5209.

If you have an after-hours water or sewer emergency,
please call the Public Works emergency phone number: (541) 480-7634.

To pay your bill please visit: <https://www.ci.sisters.or.us/finance/page/utilities>

Did you know?

The City's water rate includes a fixed portion and a volume charge.

By using less water, you can reduce the volume charge on your utility bill.



Meeting Date: May 22, 2024
Type: Regular Meeting
Subject: Wastewater Utility Rate Update

Staff: Bertagna
Dept: Public Works

Action Requested: Discussion and Consideration to Approve Resolution No. 2024- 12: A RESOLUTION ESTABLISHING RATES FOR CITY WASTEWATER SERVICE

Summary Points:

- The City's Wastewater Master Plan was recently adopted in the spring of 2023 which included updating the Capital Improvement Plan (CIP). The Council's FY 23/24 goals included updating the wastewater utility rates based on the new Capital Improvement Plan.
- The current wastewater utility rates were last updated in 2017 and 2% inflationary adjustments have been made each year through FY 23/24.
- The City contracted with the FCS Group to consult on the project and work with staff to update financial plans, rate structures, financing options, and policy objectives.
- With several large capital projects necessary to meet current operational requirements and accommodate future growth, the City will need to debt serve a portion of those capital project costs. In order to issue debt, the City will be required to ensure that the utility rates can pay for the debt service. This requires the City to raise wastewater rates to not only make the required debt payments, but to also keep the utility reserves and operating/capital balances equal to at least 180 days of operating expenses.
- The Wastewater Utility has \$12.0 million in capital projects with cash resources covering 68% of the planned project costs. \$3.8 million will need to be debt served either by state/federal loan programs or revenue bonds. The utility will need to raise rates to cover the debt service and support the utilities reserves/operations.
- Staff is recommending staying with the existing rate methodology with a base rate per Equivalent Dwelling Unit (EDU) for both residential and commercial customers. The proposed increase is 4%/year for the next six years.
- Section 13.15.080 of the Sisters Municipal Code states that the City Council shall establish by resolution the rates to be paid for water service.
- A typical residential water/sewer bill during the irrigation season (7500 gals) will see an approximately \$5-7 dollar or 7.5% increase per year for the next six years. With the rate increase Sisters' rates will still be below the majority of the municipalities in Central Oregon.
- The implementation strategy includes preparing a two-page educational flyer to be mailed to every utility account with additional information available on the City



website. A public hearing will then be held at the May 22nd City Council meeting, adopt the new rates by resolution, incorporate the new rates into the FY2024/25 budget and implement the new rate fees on July 1, 2024.

Financial Impact: \$12,500 consulting fee budgeted in the Water and Sewer funds for FY 23/24.

Attachments:

1. ATTACHMENT 1: Resolution 2024-12
2. ATTACHMENT 2: Water and Sewer Utility Rate Study Final Report

RESOLUTION NO. 2024-12

A RESOLUTION ESTABLISHING RATES FOR CITY SEWER SERVICE.

WHEREAS, the City of Sisters (“City”) is a provider of sanitary sewer service; and

WHEREAS, Section 13.45.020(3) of the Sisters Municipal Code (“SMC”) provides that the Sisters City Council (the “City Council”) shall establish by resolution the sewer rate to be paid per equivalent dwelling unit (“EDU”); and

WHEREAS, the City engaged FCS GROUP to complete a utility rate study for the City and recommend sewer service rates that recover the cost of capital investment, debt service, and ongoing operations adequately and equitably; and

WHEREAS, FCS GROUP recommended that the City monitor the financial status of the sewer utility regularly and adjust its sewer service rates as needed; and

WHEREAS, the City Council desires to adopt the sewer service rates recommended by FCS GROUP.

NOW, THEREFORE, BE IT RESOLVED that the City of Sisters resolves as follows:

1. Findings. The above-stated findings contained in this Resolution No. 2024-11 (this “Resolution”) and those contained in the utility rate study prepared by FCS Group are hereby adopted.
2. Fees. Pursuant to SMC Section 13.45.020(3), the City Council establishes the following rates for sewer service from the City to be effective beginning July 1, 2024:

Sewer Rates Effective	July 1, 2023	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028	July 1, 2029
Monthly Rate per EDU	\$41.60	\$43.26	\$44.99	\$46.79	\$48.66	\$50.61	\$52.63

3. Miscellaneous. This Resolution supersedes and replaces any prior resolutions or enactments establishing sewer utility rates and may be incorporated into City’s master fee schedule. The provisions of this Resolution are severable. If any section, subsection, sentence, clause, and/or portion of this Resolution is for any reason held invalid, unenforceable, and/or unconstitutional, such invalid, unenforceable, and/or unconstitutional section, subsection, sentence, clause, and/or portion will (a) yield to a construction permitting enforcement to the maximum extent permitted by applicable law, and (b) not affect the validity, enforceability, and/or constitutionality of the remaining portion of this Resolution. All pronouns contained in this Resolution and any variations thereof will be deemed to refer to the masculine, feminine, or neutral, singular or plural, as the identity of the parties may require. The singular includes the plural and the plural includes the singular. The word “or” is not exclusive. The words “include,” “includes,” and “including” are not limiting. This Resolution may be corrected by order of the Council to cure editorial and/or clerical errors.

ADOPTED by the City Council of the City of Sisters and signed by the mayor this 22nd day of May 2024.

Michael Preedin, Mayor

ATTEST:

Rebecca Green, Deputy Recorder



WATER AND SEWER UTILITY RATE STUDY

FINAL REPORT
May 2024

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FCS GROUP
Solutions-Oriented Consulting

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Appendix A. Water Rate Model

Appendix B. Sewer Rate Model

Section I. EXECUTIVE SUMMARY

The City of Sisters (City) contracted with FCS GROUP in 2023 to conduct a rate study for its water and sewer utilities. The project included the following tasks:

Water Rate Study

Exhibit 1 provides the recommended water rate strategy:

Exhibit 1: Summary of Existing & Recommended Water Rates

Water Rates Effective	Current	Proposed					
	July 1, 2023	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028	July 1, 2029
Monthly Base Charge							
3/4" Meter	\$19.37	\$20.84	\$22.42	\$24.12	\$25.95	\$27.92	\$29.04
1" Meter	\$21.72	\$27.15	\$29.21	\$31.42	\$33.81	\$36.37	\$37.83
1-1/2" Meter	\$21.72	\$42.91	\$46.17	\$49.67	\$53.44	\$57.49	\$59.79
2" Meter	\$24.07	\$61.82	\$66.52	\$71.56	\$77.00	\$82.84	\$86.15
3" Meter	\$58.70	\$112.27	\$120.79	\$129.95	\$139.82	\$150.43	\$156.45
4" Meter	\$58.70	\$169.01	\$181.84	\$195.64	\$210.49	\$226.47	\$235.52
6" Meter	\$58.70	\$326.64	\$351.43	\$378.11	\$406.80	\$437.68	\$455.19
8" Meter	\$58.70	\$515.80	\$554.95	\$597.07	\$642.38	\$691.14	\$718.78
Volume Charge per ccf	\$1.00	\$1.24	\$1.47	\$1.73	\$2.03	\$2.37	\$2.46

The rates shown in **Exhibit 1** reflect the following findings and proposed changes:

- 12.0% annual rate revenue increases from July 1, 2024 through July 1, 2028, and an increase of 4.0% effective July 1, 2029. These increases are driven primarily by capital funding requirements related to the planned water capital projects. It is worth noting that these increases are also partially attributable to rising operating costs, as the assumed cost inflation rates are expected to exceed growth in the water utility's revenues.
- Revision to the multi-family base charge structure so that the City charges multi-family accounts the base charge for a 3/4" meter per dwelling unit. This practice is more in line with industry practices that typically charge multi-family accounts based on water meter size *or* dwelling units, but not both.
- Recalibration of the base charge structure to better recognize costs that are attributable to providing, operating, and maintaining a water system designed to meet the capacity needs of its customers. Under standard industry ratemaking practices, these costs are typically recovered

through a charge that increases with meter size as a representation of the customer’s potential capacity needs (as defined by the size of their water meter).

- Disproportionate increases in the volume charge to target an increase in the percentage of costs recovered through volume charges from the existing level of 37% to 50%. Recognizing that some of the longer-term capital needs are being driven by the need to expand capacity, City staff requested this alternative to provide enhanced conservation incentives to customers.

Sewer Rate Study

Exhibit 2 provides the recommended near-term sewer rate strategy:

Exhibit 2: Summary of Existing & Recommended Sewer Rates

Sewer Rates Effective	Current	Proposed					
	July 1, 2023	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028	July 1, 2029
Monthly Rate per EDU	\$41.60	\$43.26	\$44.99	\$46.79	\$48.66	\$50.61	\$52.63

The rates shown in **Exhibit 2** reflect the following findings and proposed changes:

- 4.0% annual rate revenue increases, which the sewer utility needs to keep up with cost inflation and cover capital funding requirements for its planned capital projects.

Exhibit 3 provides a forecast of the combined water/sewer bill that a typical residential customer would pay:

Exhibit 3: Combined Residential Bill Forecast

	Current	Proposed					
	July 1, 2023	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028	July 1, 2029
Monthly Bill @ 10 ccf							
Water	\$29.37	\$33.24	\$37.12	\$41.42	\$46.25	\$ 51.62	\$ 53.64
Sewer	41.60	43.26	44.99	46.79	48.66	50.61	52.63
Total	\$70.97	\$76.50	\$82.11	\$88.21	\$94.91	\$102.23	\$106.27
Change from Prior Year		+\$5.53	+\$5.61	+\$6.10	+\$6.70	+\$7.32	+\$4.04
Percent Change from Prior Year		+7.8%	+7.3%	+7.4%	+7.6%	+7.7%	+4.0%

Exhibit 3 shows a representative residential bill increasing by 7.0% – 8.0% per year for the next five years under the proposed rates. Beginning July 1, 2029, the annual rate increases are expected to remain consistent with inflation.

It is important to note that the findings presented in this report rely on a number of economic, financial, and planning assumptions. While FCS GROUP has used reputable sources of information to formulate these assumptions (and validate them with City staff) where possible, the actual financial performance of the City’s utilities may differ from the projections summarized in this report

due to uncontrollable factors. There are a variety of these factors that could contribute to the need to revisit rate increases before 2030, including:

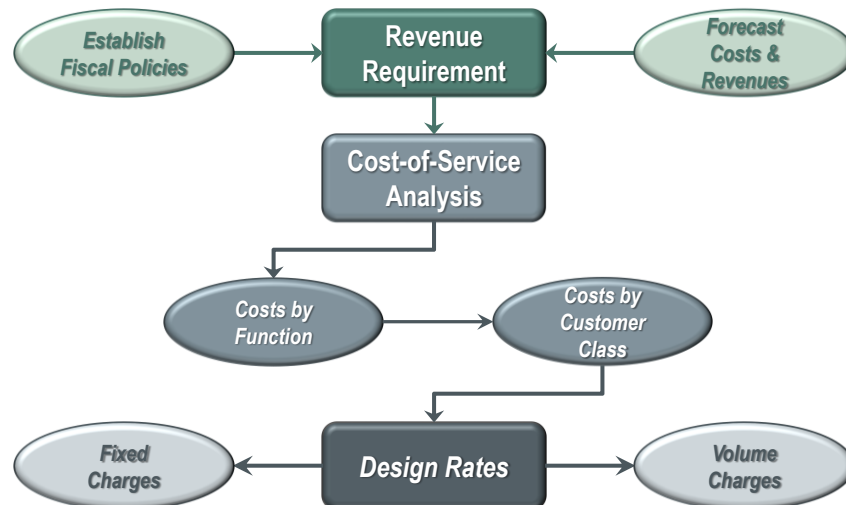
- **Inflation:** The forecasts assume 4.0% annual cost inflation based on historical long-term trends. While this assumption is intended to be conservatively high, there is considerable uncertainty regarding how long the recent inflationary trends will continue.
- **Capital Project Costs & Financing Terms:** The water financial plan in particular is being driven by the need to fund several large capital projects. While the cost estimates for these projects reflect reasonably conservative contingencies, there is a chance that they could cost more than projected. In addition, annual debt service on the anticipated bonds might also deviate from the projections in this study depending on the interest rates, issuance costs, and other financing terms that the City is able to secure.
- **Growth:** The water and sewer financial plans reflect growth estimates based on long-term population projections developed by the Population Research Center at Portland State University. The actual growth that occurs could be lower than these estimates due to economic conditions or a variety of other reasons, in which case the City might collect less in SDC revenue than projected. If growth proves to be materially lower than projected, we recommend that the City re-evaluate the list of capital projects and determine which (if any) could possibly be delayed due to the slower growth.
- **Regulatory Requirements:** The forecasts generally assume status-quo operations. Unanticipated environmental regulations may require the City to make additional investments in infrastructure and/or increase ongoing operating costs.

We recommend that the City monitor the financial position of its utilities regularly and act as needed to address any unanticipated expenses or revenue losses. **Appendix A** and **Appendix B** include printouts of the detailed water rate analysis and sewer rate analysis, respectively.

Section I. INTRODUCTION

The City of Sisters (City) contracted with FCS GROUP in 2023 to conduct a rate study for its water and sewer utilities. **Exhibit 4** shows the ratemaking process commonly used in the utility industry.

Exhibit 4: Ratemaking Methodology



- The first phase defines the amount of revenue that the utility needs to meet its annual financial obligations including operating expenses, capital outlay, debt payments, and other needs attributable to the City's financial policies.
- The second step allocates the revenue requirement to customer classes based on their demands and service characteristics. This phase usually begins with an allocation of the revenue requirement to functions of service, which vary by utility.
- Once the amount of revenue to recover from each customer class is known, the final step involves designing rates that generate the targeted amount of revenue.

A rate study can include any or all of these phases. The study requested by the City included an evaluation of revenue requirements for the City's water and sewer utilities and the development of an alternative water rate structure that would improve equity among the City's customers. It did not include an allocation of costs to customer classes, instead relying on the inter-class cost allocations embedded in the City's existing rates.

Section II. POLICY FRAMEWORK

The financial plan is based on a framework of fiscal policies that promote the financial integrity and stability of the City's utilities. The ensuing discussion briefly summarizes the key policies incorporated into this analysis.

II.A. RESERVES

Like any business, a municipal utility requires certain minimum levels of cash reserves to operate. These reserves address the variability and timing of revenues and expenses as well as occasional disturbances in activities. Given the City's responsibility to provide essential services to its customers at a certain standard, protection against financial disruption is even more important than it would be for private-sector or non-essential counterparts. In addition, a defined reserve structure serves to maintain an appropriate segregation of funds and promote the use of resources for their intended purposes. This analysis assumes the following structure of reserves for the City's utilities:

- **Operating Reserves.** Operating reserves provide an unrestricted fund balance to accommodate the short-term cycles of revenues and expenses, addressing unanticipated expenses or revenue shortfalls. This analysis assumes a minimum balance equal to two months ($\approx 17\%$) of projected operating expenses, which, based on the operating expense projections in the City's 2023-24 Budget, equates to about \$138,000 for the water utility and \$143,000 for the sewer utility.
- **Capital Improvement Reserve.** The City sets aside cash funding for capital improvement projects in a reserve embedded within the Water/Sewer Funds. This reserve does not have an explicit minimum balance, but the City sets annual transfers based on an average of annual capital project expenditures. It periodically reviews the accrued balance, recalibrating the annual transfers as needed to attain the targeted funding levels.
- **Capital Replacement Reserve.** Also part of the Water/Sewer Funds, the City maintains a reserve dedicated to the replacement of equipment and vehicles. This reserve does not have an explicit minimum balance, but the City sets annual transfers based on the replacement cost allocated to each utility (amortized over the expected life of the related assets). It periodically reviews the accrued balance, recalibrating the annual transfers as needed to attain the targeted funding levels.
- **SDC Fund.** Consistent with the requirements established in Section 223.307 of the Oregon Revised Statutes (ORS) regarding the expenditure of system development charges (SDCs), the City maintains a separate SDC Fund to ensure that SDC revenues are spent on eligible projects.

Given the anticipated need for the City's utilities to seek debt financing for their capital programs, this analysis also targets a combined cash balance (excluding restricted bond reserves) of at least 180 days of operating expenses. Though not a formal requirement, this policy is based on recommendations from the bond rating agencies for borrowers seeking to optimize their bond ratings. Based on projected 2024 costs, the combined target balance is roughly \$344,000 for the water utility and \$355,000 for the sewer utility.

II.B. SYSTEM REINVESTMENT

A best-management practice in the utility industry, system reinvestment involves setting aside funds to accumulate cash for immediate and future asset replacements. The policy intent is to promote stable and moderate long-term rates and avoid unduly burdening any single generation of customers with the cost of asset replacement. Absent a formal asset replacement plan, system reinvestment policies most often link the annual funding provision to depreciation as a measure of the annual decline in asset value. The City funds system reinvestment via transfers to the Capital Improvement Reserve and Capital Replacement Reserve. Based on projected capital needs, the City plans to make annual transfers of approximately \$104,000 to the Water Capital Improvement Reserve, about \$45,000 to the Water Capital Replacement Reserve, and around \$46,000 to the Sewer Capital Replacement Reserve.

II.C. FINANCIAL PERFORMANCE STANDARDS

This analysis evaluates the sufficiency of each utility's revenues to meet its financial obligations including operation and maintenance (O&M) expenses, debt repayment, rate-funded capital needs, and any other policy-based needs. It determines the amount of revenue needed in a given year to meet that year's expected financial obligations, in the context of two revenue sufficiency tests:

- **Cash Flow Sufficiency Test.** The cash flow test determines whether each utility's annual revenues are sufficient to cover the known cash requirements for each year of the planning period. These cash requirements typically include O&M expenses, debt service payments, rate-funded capital outlays, and any additions to reserve balances.
- **Coverage Test.** The coverage test evaluates the utilities' ability to meet applicable bond coverage requirements, as specified by the City's bond covenants and internal debt policies. The City does not currently have any water or sewer utility debt that requires coverage, but in general the debt service coverage ratio is calculated by dividing "net revenue available for debt service" (annual revenues net of annual operating expenses) by the annual payment on revenue bonds. This analysis assumes that the City maintains a minimum coverage ratio of 1.25 as a legal minimum requirement, but generally targets a coverage ratio of at least 2.0 based on policy recommendations from the bond rating agencies. This policy aims to ensure that the City is able to meet coverage requirements even when faced with unexpected expenses or revenue losses.

In determining the annual revenue requirement, the test with the greatest deficiency generally drives the rate increase in any given year. It is worth noting that the City can temporarily waive the requirements of the cash flow test as part of a conscious decision to phase in rate increases, as long as its operating reserve balance is sufficient to absorb the resulting cash flow deficit. The coverage test, however, must always be met as failure to do so may result in a downgrading of the City's credit rating. Because the City does not currently have any water or sewer utility debt that requires coverage, the cash flow test defines the utilities' revenue requirements.

Section III. FINANCIAL PLAN

The financial plan determines the annual revenue requirement, or the amount of revenue that each utility needs to meet its various financial obligations. This analysis has two main purposes – it serves as a means of evaluating the utility’s fiscal health and adequacy of current rate levels, and it sets the revenue basis for near-term and long-term rate planning. The rate revenue requirement is defined as the net difference between total revenue needs and the revenue generated through non-rate sources. Hence, the revenue requirement analysis involves defining and forecasting both needs and resources.

III.A. OPERATING FORECAST

Operating costs are initially based on the 2023 – 2024 Budget, with adjustments for inflation and any anticipated future changes such as changes to programs or staffing levels. The key assumptions and inputs used to develop the operating forecast are described in further detail below:

Operating Revenue

- **Annual Customer Growth:** Roughly 2.5% per year, based on estimates of population growth from 2022 – 2040 developed by the Population Research Center at Portland State University.
- **Water Rate Revenue:** To facilitate the development of rate structure alternatives, the forecast of water rate revenue is determined by applying the existing water rates to projected customer counts and water demand (based on detailed utility billing statistics and expected growth).
- **Other Operating Revenue (Including Sewer Rate Revenue):** Based on the 2023 – 2024 Budget. Sewer rate revenue is assumed to increase over time with customer growth, while other operating revenues are held at the 2023 – 2024 Budget estimates for the forecast period.
- **Interest Earnings:** Calculated based on projected reserve balances, assuming an earnings rate of 1.0% per year.

Operating Expenses

- **Operation and Maintenance (O&M) Costs:** Generally based on the 2018 Budget, with adjustments for inflation at the following rates:
 - » **General Cost Inflation:** Most operating expenses are assumed to increase with inflation in the Consumer Price Index at a rate of 4.0% per year. Confirmed with City staff, this assumption intends to balance conservatively high estimates of inflation with longer-term trends.
 - » **Employee Benefits:** Payroll taxes, medical insurance, and other employee benefits are assumed to increase at a rate of 9.2% per year, recognizing that these costs often increase at a rate exceeding general inflation.

» **Credit Card Fees:** Based on the City’s recent experience and expectations for near-term cost increases, credit card processing fees are assumed to increase by 5.0% per year.

- **Franchise Fees:** Set to 7.0% of rate revenue, consistent with the City’s Master Fee Schedule.

Debt Service

- **Existing Debt:** The sewer utility currently has one outstanding debt obligation, the 2016 Full Faith and Credit Refunding Bonds (with an annual payment of approximately \$332,000). Both utilities also make annual transfers to the City Hall Fund to repay a loan; the water utility’s share is around \$9,000 per year, and the sewer utility’s share is on the order of \$12,000 – \$13,000 per year. The water utility does not have any other outstanding debt.

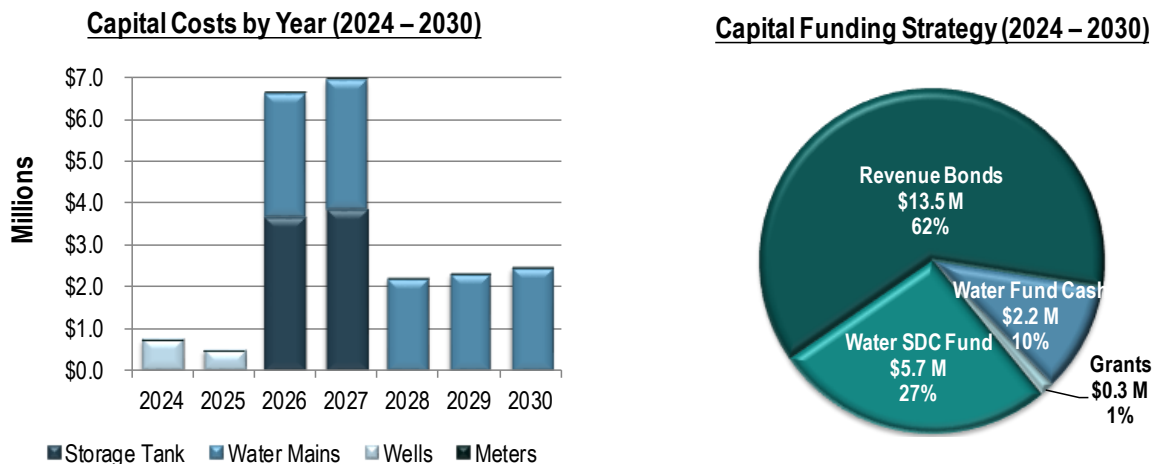
III.B. CAPITAL FORECAST

The capital forecast involves developing a funding strategy for the annual project expenditures contemplated in the utilities’ capital improvement plans (CIPs). Potential funding sources include existing cash balances, incoming rate and SDC revenues, external grants/contributions, and debt (if necessary). Given the magnitude and variability of capital project expenditures, rates most often fund an ongoing contribution for capital projects (system reinvestment) rather than direct expenditures. The ensuing discussion considers each utility’s capital forecast separately.

Water Utility

Exhibit 5 summarizes the water utility CIP and anticipated funding strategy.

Exhibit 5: Summary of Water Capital Costs & Funding Strategy



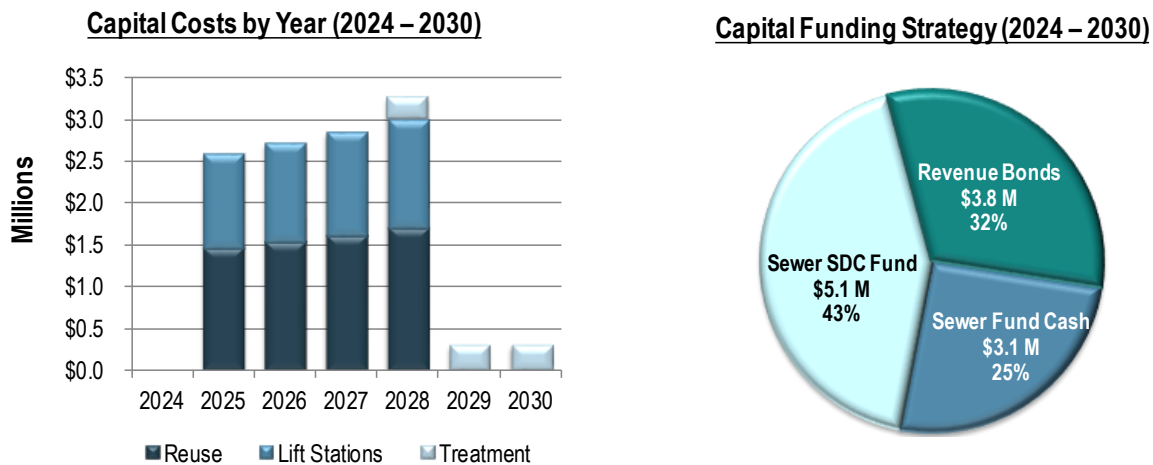
Reflecting assumed construction cost inflation of 5.0% per year, **Exhibit 5** indicates that the water utility will spend \$21.7 million on capital projects that it plans to complete between 2024 and 2030. The full capital program through 2042 includes \$26.5 million of anticipated expenditures, with the remaining \$4.8 million occurring outside of the six-year planning period. The City expects to receive

\$280,000 in grant funding to install a variable-frequency drive and backup power source at Well No. 3. Existing cash balances, funding generated from water rates, and water SDC revenues are expected to be adequate to fund only about \$7.9 million (37%) of the projected 2024 – 2030 expenditures, requiring additional funding to cover the remaining \$13.5 million (62%). Assuming that the City will fund this cost by issuing 40-year revenue bonds with an interest rate of 4.5% and issuance costs equal to 1.0% of the amount issued, this borrowing is estimated to increase the water utility’s annual debt service obligations by \$784,000.

Sewer Utility

Exhibit 6 summarizes the sewer utility CIP and anticipated funding strategy.

Exhibit 6: Summary of Sewer Capital Costs & Funding Strategy

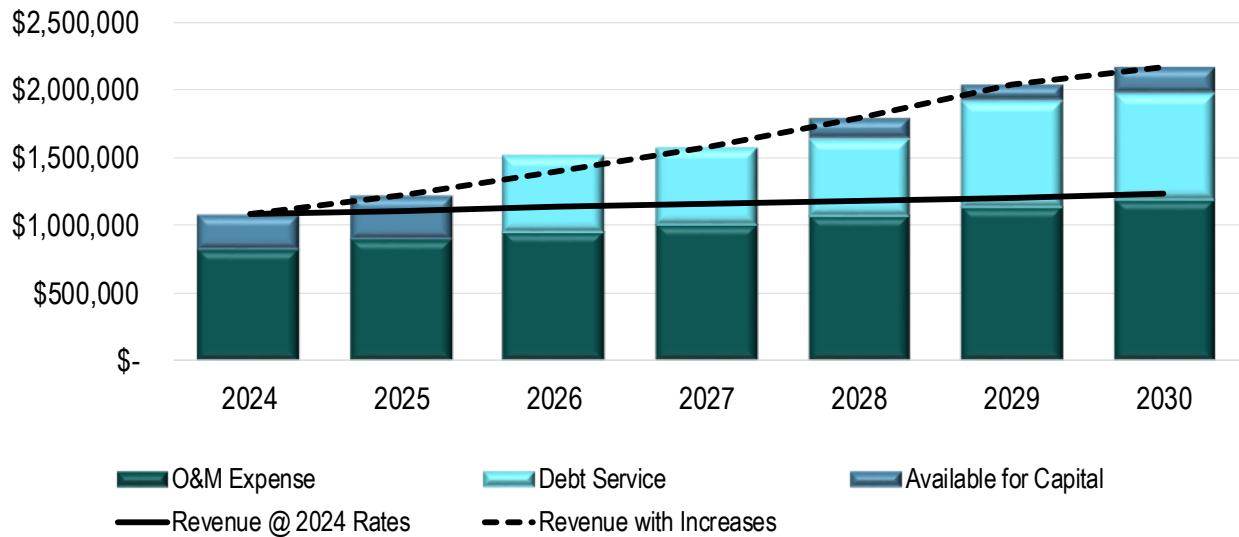


Reflecting assumed construction cost inflation of 5.0% per year, **Exhibit 6** indicates that the sewer utility will spend \$12.0 million on capital projects that it plans to complete between 2024 and 2030. The full capital program through 2042 includes \$14.5 million of anticipated expenditures, with the remaining \$2.5 million occurring outside of the six-year planning period. Existing cash balances, funding generated from sewer rates, and sewer SDC revenues are expected to be adequate to fund only about \$8.2 million (68%) of the projected 2024 – 2030 expenditures, requiring additional funding to cover the remaining \$3.8 million (32%). Assuming that the City will fund this cost by issuing 40-year revenue bonds with an interest rate of 4.5% and issuance costs equal to 1.0% of the amount issued, this borrowing is estimated to increase the sewer utility’s annual debt service obligations by \$221,000.

III.C. EVALUATION OF REVENUE SUFFICIENCY

Exhibit 7 and **Exhibit 8** summarize the annual revenue requirements for the water utility and the sewer utility, respectively, based on the forecast of revenues, expenses, and fund balances.

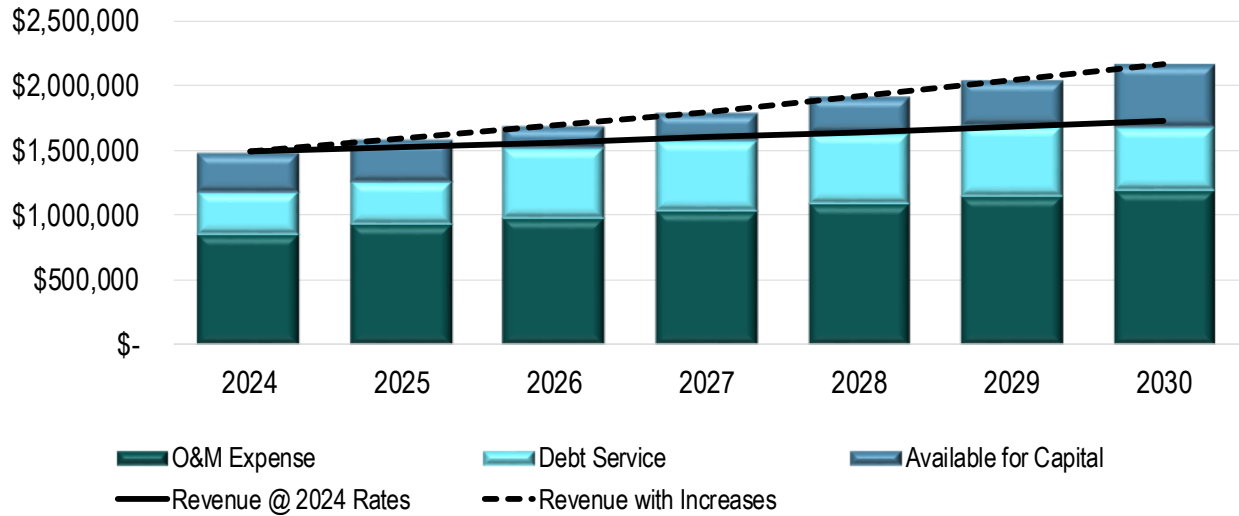
Exhibit 7: Water Utility Revenue Requirement Summary



Water Revenue Requirement (\$000s)	2024	2025	2026	2027	2028	2029	2030
Expenses							
Operating Expenses	\$ 828	\$ 889	\$ 933	\$ 980	\$1,030	\$1,082	\$1,129
Debt Service ¹	-	-	575	575	575	784	784
System Reinvestment	149	149	149	149	149	149	149
Total	\$ 977	\$1,038	\$1,657	\$1,704	\$1,754	\$2,015	\$2,062
Revenues							
Rate Revenue @ Existing Rates	\$ 977	\$1,001	\$1,026	\$1,050	\$1,076	\$1,103	\$1,130
Other Operating Revenue	106	107	108	105	103	103	104
Total	\$1,083	\$1,108	\$1,134	\$1,155	\$1,179	\$1,206	\$1,234
Net Cash Flow @ Existing Rates	\$ 106	\$ 70	(\$ 523)	(\$ 549)	(\$ 575)	(\$ 809)	(\$ 828)
Annual Water Rate Revenue Increase		12.0%	12.0%	12.0%	12.0%	12.0%	4.0%
Cumulative Water Rate Revenue Increase		12.0%	25.4%	40.5%	57.4%	76.2%	83.3%
Rate Revenue After Increases	\$ 977	\$1,121	\$1,286	\$1,476	\$1,694	\$1,944	\$2,071
Net Cash Flow After Increases	\$ 106	\$ 182	(\$ 281)	(\$ 153)	(\$ 1)	(\$ 27)	\$ 47
Debt Service Coverage After Increases	(N/A)	(N/A)	1.74	2.17	2.39	2.02	2.19
Projected Ending Reserve Balances							
Operating Reserve	\$1,241	\$1,323	\$ 392	\$ 239	\$ 239	\$ 180	\$ 188
Capital Improvement Reserve	269	8	7,878	1,712	32	1,876	52
Capital Replacement Reserve	864	918	972	1,027	1,083	1,139	1,195
SDC Fund	2,686	3,237	-	-	220	463	731
Total	\$5,060	\$5,486	\$9,242	\$2,978	\$1,574	\$3,658	\$2,166
Total as Days of Operating Expenses	2,230	2,232	3,546	1,077	535	1,170	662

¹The forecast assumes that the water utility issues revenue bonds for \$10.6 million (to provide \$9.9 million in net proceeds for the capital plan) in 2026 and \$3.8 million (to provide \$3.6 million in net proceeds) in 2029, but in practice the City will work with its financial advisor to determine the most cost-effective way to structure the bonds.

Exhibit 8: Sewer Utility Revenue Requirement Summary



Sewer Revenue Requirement (\$000s)	2024	2025	2026	2027	2028	2029	2030
Expenses							
Operating Expenses	\$ 856	\$ 926	\$ 970	\$1,016	\$1,066	\$1,117	\$1,159
Debt Service	332	332	552	554	553	553	490
System Reinvestment	46	46	46	46	46	46	46
Total	\$1,234	\$1,304	\$1,568	\$1,616	\$1,665	\$1,716	\$1,695
Revenues							
Rate Revenue @ Existing Rates	\$1,450	\$1,485	\$1,522	\$1,560	\$1,598	\$1,637	\$1,677
Other Operating Revenue	42	42	42	44	45	45	45
Total	\$1,492	\$1,528	\$1,564	\$1,603	\$1,643	\$1,682	\$1,722
Net Cash Flow @ Existing Rates	\$ 258	\$ 223	(\$ 4)	(\$ 12)	(\$ 22)	(\$ 33)	\$ 27
Annual Sewer Rate Revenue Increase		4.0%	4.0%	4.0%	4.0%	4.0%	4.0%
Cumulative Sewer Rate Revenue Increase		4.0%	8.2%	12.5%	17.0%	21.7%	26.5%
Rate Revenue After Increases	\$1,450	\$1,545	\$1,646	\$1,754	\$1,869	\$1,992	\$2,122
Net Cash Flow After Increases	\$ 258	\$ 278	\$ 112	\$ 169	\$ 230	\$ 296	\$ 440
Debt Service Coverage After Increases	3.06	3.20	2.06	2.26	2.40	2.52	3.08
Projected Ending Reserve Balances							
Operating Reserve	\$ 143	\$ 154	\$ 162	\$ 169	\$ 178	\$ 186	\$ 193
Capital Improvement Reserve	1,806	1,381	4,555	2,553	3	93	321
Capital Replacement Reserve	869	925	979	1,035	1,091	1,149	1,206
SDC Fund	3,172	1,723	191	-	-	401	834
Total	\$5,990	\$4,183	\$5,887	\$3,757	\$1,272	\$1,829	\$2,554
Total as Days of Operating Expenses	2,554	1,641	2,196	1,332	428	585	783

Exhibit 7 shows that at the City's current water rates, the water utility is expected to collect enough revenue to cover its operating costs and the planned transfers to the Capital Improvement Reserve and Capital Replacement Reserve. The addition of debt service beginning in 2026 drives the water utility into a cash-flow deficit. The projected annual debt service payment of \$784,000 is expected to require a water rate increase of approximately 80%, which **Exhibit 7** shows being spread over the 2025 – 2030 planning period. The need to maintain an Operating Reserve balance of at least two months of operating expenses (which by 2029 is projected to be about \$180,000) limits the City's ability to spread the rate increase into 2030. Given the compounding effects of multi-year rate increases, the strategy of rate revenue increases shown in **Exhibit 7** results in a cumulative rate revenue increase of about 83% by 2030. Though the majority of this increase is attributable to the projected debt service, inflation also puts some upward pressure on rates.

Exhibit 8 shows that at the City's current sewer rates, the sewer utility is expected to collect enough revenue to cover its operating expenses, debt service, and capital transfers. The addition of about \$221,000 in annual debt service (along with rising operating costs) puts upward pressure on sewer rates – however, it appears that inflationary increases of 4.0% per year will be enough to cover the sewer utility's costs and meet its applicable reserve balance targets.

Exhibit 7 and **Exhibit 8** show the City completely spending the balances in the Water SDC Fund and the Sewer SDC Fund, respectively, by 2026. Future SDC revenues begin to replenish the balance beginning in 2028 for the water utility and in 2029 for the sewer utility. If growth occurs more slowly than expected and the City experiences a shortfall in SDC revenues, the City may have to consider borrowing more and/or delaying some growth-related capital projects.

Section IV. WATER RATE DESIGN

Exhibit 9 presents the City’s existing water rate structure:

Exhibit 9: Existing Water Rate Structure

Water Rates as of July 1, 2023	
Monthly Base Charge	
3/4" Meter	\$19.37
1" or 1-1/2" Meter	\$21.72
2" Meter	\$24.07
3" or Larger Meter	\$58.70
Volume Charge per ccf	\$1.00

The revenue requirement analysis establishes the amount of rate revenue that the City must collect from each utility through rates, informing across-the-board adjustments to the existing rate structure. Absent any other analysis, the default or “status-quo” option would be to apply the rate revenue increases shown in **Exhibit 7** (12.0% per year through 2029, 4.0% in 2030) to the rates shown in **Exhibit 9**. The advantages to this approach are its simplicity and proportionality in terms of rate impacts (all customers would see the same percent increase in their water bill).

However, the City requested the development of an alternative water rate structure that could recover costs from customers more equitably than the existing structure. Our review of the City’s water rate structure identified several potential refinements, each of which are discussed further below.

Multi-Family Base Charges

Under the existing structure, multi-family accounts pay the base charge corresponding to the size of their water meter for each dwelling unit connected to the meter. For example, a 10-unit apartment building connected to a 2” water meter would pay a monthly base charge of $\$24.07 \times 10 = \240.70 . In the utility industry, there are typically two approaches to setting base charges for multi-family accounts:

- **“Potential Demand” Approach:** Under this approach, a multi-family account would pay a base charge based on the size of their water meter as a representation of how much water they *could* use (as defined by the physical flow capacity of the meter).
- **“Expected Demand” Approach:** This approach equates a multi-family account to an equivalent number of single-family homes based on the number of dwelling units being (or that could be) served. Though some utilities charge each dwelling unit as if it were a detached single-family home, many utilities assign a reduced number of equivalent dwelling units (EDUs) to multi-family accounts based on the average water consumption per dwelling unit (as a percentage of the average water consumption of a single-family home).

The City’s current practice effectively charges multi-family accounts based on both of these methods, which is uncommon in our experience and likely results in them overpaying relative to the cost that the City incurs to serve them. We recommend that the City revise its billing practice to reflect only one of the approaches listed above (charging based on meter size or the number of dwelling units, but not both).

Considering the estimated revenue impacts to the water utility, City staff expressed a preference for the “expected demand” approach and opted to charge multi-family accounts the base charge for a 3/4” meter for each dwelling unit. The water financial plan presented in **Exhibit 4** reflects this change.

Recalibration of Base Charge Structure

The existing base charge structure increases with meter size at a relatively modest rate, grouping customers with different meter sizes together in some cases. The costs that are recovered through the base charge can be separated into two categories:

- Fixed costs that do not vary with meter size, capacity needs, or water usage are most equitably spread equally across all customers and built into a charge per account.
- Fixed costs that are associable with direct operations and scale with the system’s size (capacity) are most equitably spread across customers based on their water meter size as a representation of their capacity needs. These costs are built into a charge per meter equivalent; as shown below in **Exhibit 10**, meter equivalents are assigned to meters based on their maximum continuous flow capacity in gallons per minute (gpm):

Exhibit 10: Summary of Meter Equivalency Ratios

Meter Size	Maximum Continuous Flow Capacity ¹	Number of Meter Equivalents
3/4” x 3/4” Meter	30 gpm	1.00
1” Meter	50 gpm	1.67
1-1/2” Meter	100 gpm	3.33
2” Meter	160 gpm	5.33
3” Meter	320 gpm	10.67
4” Meter	500 gpm	16.67
6” Meter	1,000 gpm	33.33
8” Meter	1,600 gpm	53.33

¹Per American Water Works Association’s Manual M1: Principles of Water Rates, Fees, and Charges.

Exhibit 10 shows significant increases in the potential capacity needs of a connection as the size of the meter increases. For example, a customer with a 3” meter can use more than ten times the amount of water that a customer with a 3/4” meter can use – recognizing this difference in potential demand, the meter-equivalent component of the base charge should scale up accordingly for the customer with the 3” meter.

We assigned the water utility's fixed costs between the charge per account and the charge per meter equivalent based on the descriptions outlined above, arriving at an approximately even split between the two charge components.

Cost Recovery Through Base Versus Volume Charges

2022 customer billing data provided by the City suggests that the existing volume charge of \$1.00 per ccf generates approximately 37% of the City's water rate revenue. While this falls within the general range of cost recovery through volume charges that can be observed among water utilities in the Pacific Northwest, City staff requested an alternative water rate structure targeting 50% of revenue generation through volume charges to provide stronger incentives for customers to conserve water. By encouraging conservation, the City may be able to delay or avoid drilling a new well and constructing a transmission line in the late 2030s.

Exhibit 11 summarizes the proposed water rate structure:

Exhibit 11: Proposed Water Rate Structure

Water Rates Effective	Current	Proposed					
	July 1, 2023	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028	July 1, 2029
Monthly Base Charge							
3/4" Meter	\$19.37	\$20.84	\$22.42	\$24.12	\$25.95	\$27.92	\$29.04
1" Meter	\$21.72	\$27.15	\$29.21	\$31.42	\$33.81	\$36.37	\$37.83
1-1/2" Meter	\$21.72	\$42.91	\$46.17	\$49.67	\$53.44	\$57.49	\$59.79
2" Meter	\$24.07	\$61.82	\$66.52	\$71.56	\$77.00	\$82.84	\$86.15
3" Meter	\$58.70	\$112.27	\$120.79	\$129.95	\$139.82	\$150.43	\$156.45
4" Meter	\$58.70	\$169.01	\$181.84	\$195.64	\$210.49	\$226.47	\$235.52
6" Meter	\$58.70	\$326.64	\$351.43	\$378.11	\$406.80	\$437.68	\$455.19
8" Meter	\$58.70	\$515.80	\$554.95	\$597.07	\$642.38	\$691.14	\$718.78
Volume Charge per ccf	\$1.00	\$1.24	\$1.47	\$1.73	\$2.03	\$2.37	\$2.46

We also developed a water rate structure alternative that recalibrated the base charge structure but kept the share of costs recovered through volume charges at the existing level of 37%. After considering both options, the City Council selected the rate structure shown in **Exhibit 11**.

It is important to note that the rate structure shown in **Exhibit 11** reflects a number of economic, financial, and planning assumptions. While FCS GROUP has used reputable sources of information to formulate these assumptions (and validate them with City staff) where possible, the actual financial performance of the City's utilities may differ from the projections summarized in this report due to uncontrollable factors. There are a variety of these factors that could contribute to the need to revisit rate increases before 2030, including:

- **Inflation:** The forecasts assume 4.0% annual cost inflation based on historical long-term trends. While this assumption is intended to be conservatively high, there is considerable uncertainty regarding how long the recent inflationary trends will continue.

- **Capital Project Costs & Financing Terms:** The water financial plan in particular is being driven by the need to fund several large capital projects. While the cost estimates for these projects reflect reasonably conservative contingencies, there is a chance that they could cost more than projected. In addition, annual debt service on the anticipated bonds might also deviate from the projections in this study depending on the interest rates, issuance costs, and other financing terms that the City is able to secure.
- **Growth:** The water and sewer financial plans reflect growth estimates based on long-term population projections developed by the Population Research Center at Portland State University. The actual growth that occurs could be lower than these estimates due to economic conditions or a variety of other reasons, in which case the City might collect less in SDC revenue than projected. If growth proves to be materially lower than projected, we recommend that the City re-evaluate the list of capital projects and determine which (if any) could possibly be delayed due to the slower growth.
- **Regulatory Requirements:** The forecasts generally assume status-quo operations. Unanticipated environmental regulations may require the City to make additional investments in infrastructure and/or increase ongoing operating costs.

We recommend that the City monitor the financial position of its utilities regularly and take action as needed to address any unanticipated expenses or revenue losses.

Appendix A: Water Rate Model

City of Sisters
Utility Rate Study: Water Model
 Summary

Fiscal Year Ending 6/30:

High Level Summary	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Annual Rate Increases											
Fixed Rates	0.00%	0.00%	12.00%	12.00%	12.00%	12.00%	12.00%	4.00%	4.00%	4.00%	4.00%
Volume Rates	0.00%	0.00%	12.00%	12.00%	12.00%	12.00%	12.00%	4.00%	4.00%	4.00%	4.00%
Operating Reserve - Part of Water Fund											
Beginning Balance	\$ 932,868	\$ 1,135,278	\$ 1,241,289	\$ 1,323,208	\$ 392,337	\$ 239,225	\$ 238,664	\$ 180,340	\$ 188,217	\$ 198,116	\$ 208,634
Total Operating Revenues	1,049,308	1,083,306	1,228,458	1,394,622	1,580,796	1,796,984	2,046,809	2,175,690	2,311,490	2,456,204	2,610,402
Total Operating Expenditures & System Reinvestment	(846,898)	(977,295)	(1,046,540)	(1,675,492)	(1,733,909)	(1,797,544)	(2,074,288)	(2,128,572)	(2,195,525)	(2,266,765)	(2,342,601)
Operating Surplus: Transfers to Capital Fund	-	-	(100,000)	(650,000)	-	-	(30,846)	(39,241)	(106,065)	(178,921)	(256,620)
Cash Surplus / (Deficiency)	202,410	106,011	81,918	(930,870)	(153,112)	(561)	(58,324)	7,877	9,899	10,518	11,181
Ending Fund Balance	1,135,278	1,241,289	1,323,208	392,337	239,225	238,664	180,340	188,217	198,116	208,634	219,815
Capital Improvement Reserve - Part of Water Fund											
Beginning Balance	\$ 528,480	\$ 617,859	\$ 268,931	\$ 8,255	\$ 7,877,511	\$ 1,712,413	\$ 32,373	\$ 1,876,315	\$ 52,525	\$ 233,661	\$ 487,987
Total Capital Inflows	109,379	390,273	206,783	10,654,177	182,869	121,218	3,735,264	162,098	210,685	285,352	365,594
Total Capital Expenditures	(20,000)	(739,200)	(467,460)	(2,784,921)	(6,347,966)	(1,801,259)	(1,891,322)	(1,985,888)	(29,549)	(31,027)	(32,578)
Cash Surplus / (Deficiency)	89,379	(348,927)	(260,677)	7,869,256	(6,165,097)	(1,680,041)	1,843,942	(1,823,789)	181,136	254,325	333,016
Ending Fund Balance	617,859	268,931	8,255	7,877,511	1,712,413	32,373	1,876,315	52,525	233,661	487,987	821,003
Capital Replacement Reserve - Part of Water Fund											
Beginning Balance	\$ 757,784	\$ 810,581	\$ 863,906	\$ 917,764	\$ 972,160	\$ 1,027,101	\$ 1,082,591	\$ 1,138,636	\$ 1,195,241	\$ 1,252,413	\$ 1,310,156
Total Capital Inflows	7,578	8,106	8,639	9,178	9,722	10,271	10,826	11,386	11,952	12,524	13,102
Total Capital Expenditures	-	-	-	-	-	-	-	-	-	-	-
Cash Surplus / (Deficiency)	7,578	8,106	8,639	9,178	9,722	10,271	10,826	11,386	11,952	12,524	13,102
Ending Fund Balance	765,362	818,687	872,545	926,941	981,882	1,037,372	1,093,417	1,150,022	1,207,194	1,264,937	1,323,257
SDC Fund											
Beginning Balance	\$ 1,796,710	\$ 2,172,177	\$ 2,685,733	\$ 3,236,657	\$ -	\$ -	\$ 220,058	\$ 463,168	\$ 731,248	\$ 1,505,551	\$ 2,337,862
Total Capital Inflows	375,467	513,556	550,923	590,777	595,005	633,998	677,748	724,450	774,303	832,311	894,192
Total Capital Expenditures	-	-	-	(3,827,433)	(595,005)	(413,941)	(434,638)	(456,370)	-	-	-
Cash Surplus / (Deficiency)	375,467	513,556	550,923	(3,236,657)	-	220,058	243,110	268,080	774,303	832,311	894,192
Ending Fund Balance	2,172,177	2,685,733	3,236,657	-	-	220,058	463,168	731,248	1,505,551	2,337,862	3,232,054

City of Sisters
Utility Rate Study: Water Model
 Summary

Fiscal Year Ending 6/30:

Capital Fund Summary	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Beginning Capital Balance	\$ 1,286,264	\$ 1,428,440	\$ 1,132,837	\$ 926,018	\$ 8,849,671	\$ 2,739,514	\$ 1,114,964	\$ 3,014,951	\$ 1,247,767	\$ 1,486,074	\$ 1,798,142
Capital Revenues:											
Rate Funded System Reinvestment											
Minimum Policy	\$ 149,313	\$ 149,313	\$ 149,313	\$ 149,313	\$ 149,313	\$ 149,313	\$ 149,313	\$ 149,313	\$ 149,313	\$ 149,313	\$ 149,313
Operating Surplus	-	-	100,000	650,000	-	-	30,846	39,241	106,065	178,921	256,620
Total	\$ 149,313	\$ 149,313	\$ 249,313	\$ 799,313	\$ 149,313	\$ 149,313	\$ 180,159	\$ 188,554	\$ 255,378	\$ 328,234	\$ 405,933
Grants / Outside Sources	-	280,000	-	-	-	-	-	-	-	-	-
Net Debt Proceeds Available for Projects	-	-	-	9,900,000	-	-	3,600,000	-	-	-	-
Interest Earnings	12,863	14,284	11,328	9,260	88,497	27,395	11,150	30,150	12,478	14,861	17,981
Total Capital Revenues and Beginning Fund Balance	\$ 1,448,440	\$ 1,872,037	\$ 1,393,478	\$ 11,634,592	\$ 9,087,481	\$ 2,916,222	\$ 4,906,272	\$ 3,233,654	\$ 1,515,623	\$ 1,829,169	\$ 2,222,057
Capital Project Expenditures	\$ (20,000)	\$ (739,200)	\$ (467,460)	\$ (2,784,921)	\$ (6,347,966)	\$ (1,801,259)	\$ (1,891,322)	\$ (1,985,888)	\$ (29,549)	\$ (31,027)	\$ (32,578)
Ending Capital Balance	\$ 1,428,440	\$ 1,132,837	\$ 926,018	\$ 8,849,671	\$ 2,739,514	\$ 1,114,964	\$ 3,014,951	\$ 1,247,767	\$ 1,486,074	\$ 1,798,142	\$ 2,189,479
<i>Minimum Target</i>	\$ 803,003	\$ 848,222	\$ 893,441	\$ 938,660	\$ 983,879	\$ 1,029,098	\$ 1,074,317	\$ 1,119,536	\$ 1,164,755	\$ 1,209,974	\$ 1,255,193
Notes:	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Debt-to-Net Assets Ratio	0.00	0.00	0.00	0.47	0.46	0.44	0.51	0.49	0.48	0.47	0.46
Debt Service as a Portion of Rates	0.0%	0.0%	0.0%	44.7%	39.0%	33.9%	40.3%	37.9%	35.5%	33.3%	31.3%

City of Sisters
Utility Rate Study: Water Model
 Summary

Fiscal Year Ending 6/30:

Operating Fund Summary	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Summary of Existing Operations Before Rate Increases											
Rate Revenues Under Existing Rates	\$ 937,070	\$ 976,904	\$ 1,000,889	\$ 1,025,462	\$ 1,050,640	\$ 1,076,435	\$ 1,102,864	\$ 1,129,941	\$ 1,157,684	\$ 1,186,107	\$ 1,215,228
SDC Revenue Towards Debt Service	-	-	-	-	-	-	-	-	-	-	-
Non-Rate Revenues	112,239	106,403	107,463	108,282	104,723	103,192	103,187	104,694	104,773	104,872	104,977
Total Revenues	1,049,308	1,083,306	1,108,352	1,133,745	1,155,363	1,179,627	1,206,050	1,234,635	1,262,457	1,290,979	1,320,206
Total Expenditures	(846,898)	(977,295)	(1,038,133)	(1,657,231)	(1,704,128)	(1,754,329)	(2,015,435)	(2,062,698)	(2,122,093)	(2,185,199)	(2,252,287)
Transfers to Capital	-	-	(100,000)	(650,000)	-	-	(30,846)	(39,241)	(106,065)	(178,921)	(256,620)
Total Expenditures & Transfers	(846,898)	(977,295)	(1,138,133)	(2,307,231)	(1,704,128)	(1,754,329)	(2,046,281)	(2,101,939)	(2,228,159)	(2,364,121)	(2,508,907)
Cash Surplus / (Deficiency)	\$ 202,410	\$ 106,011	\$ (29,781)	\$ (1,173,486)	\$ (548,765)	\$ (574,702)	\$ (840,230)	\$ (867,304)	\$ (965,702)	\$ (1,073,142)	\$ (1,188,701)
Annual Rate Increase	0.00%	0.00%	12.00%	12.00%	12.00%	12.00%	12.00%	4.00%	4.00%	4.00%	4.00%
Cumulative Rate Increase	0.00%	0.00%	12.00%	25.44%	40.49%	57.35%	76.23%	83.28%	90.61%	98.24%	106.17%
Revenues After Rate Increases											
Rate Revenues (Before Rate Increases)	\$ 937,070	\$ 976,904	\$ 1,000,889	\$ 1,025,462	\$ 1,050,640	\$ 1,076,435	\$ 1,102,864	\$ 1,129,941	\$ 1,157,684	\$ 1,186,107	\$ 1,215,228
Additional Revenue from Rate Increases	-	-	120,107	260,878	425,433	617,356	840,759	941,055	1,049,034	1,165,225	1,290,196
SDC Revenue Towards Debt Service	-	-	-	-	-	-	-	-	-	-	-
Other Revenues & Interest	112,239	106,403	107,463	108,282	104,723	103,192	103,187	104,694	104,773	104,872	104,977
Total Revenues With Rate Increases	\$ 1,049,308	\$ 1,083,306	\$ 1,228,458	\$ 1,394,622	\$ 1,580,796	\$ 1,796,984	\$ 2,046,809	\$ 2,175,690	\$ 2,311,490	\$ 2,456,204	\$ 2,610,402
Expenses & Transfers											
Cash Operating Expenses	\$ 697,585	\$ 827,982	\$ 888,820	\$ 932,924	\$ 979,821	\$ 1,030,022	\$ 1,082,039	\$ 1,129,302	\$ 1,188,697	\$ 1,251,804	\$ 1,318,891
Existing Debt Service	-	-	-	-	-	-	-	-	-	-	-
New Debt Service	-	-	-	574,994	574,994	574,994	784,083	784,083	784,083	784,083	784,083
Capital Improvement Reserve Contribution	104,094	104,094	104,094	104,094	104,094	104,094	104,094	104,094	104,094	104,094	104,094
Capital Replacement Reserve Contribution	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219
Additional Taxes After Rate Increase	-	-	8,407	18,261	29,780	43,215	58,853	65,874	73,432	81,566	90,314
Transfer of Surplus to Capital	-	-	100,000	650,000	-	-	30,846	39,241	106,065	178,921	256,620
Total Expenses	\$ 846,898	\$ 977,295	\$ 1,146,540	\$ 2,325,492	\$ 1,733,909	\$ 1,797,544	\$ 2,105,134	\$ 2,167,813	\$ 2,301,591	\$ 2,445,687	\$ 2,599,221
Additions / (Subtractions) to Operating Fund Balance	202,410	106,011	81,918	(930,870)	(153,112)	(561)	(58,324)	7,877	9,899	10,518	11,181
Impacts to Operating Fund Balance											
Beginning Operating Balance	\$ 932,868	\$ 1,135,278	\$ 1,241,289	\$ 1,323,208	\$ 392,337	\$ 239,225	\$ 238,664	\$ 180,340	\$ 188,217	\$ 198,116	\$ 208,634
Net Cash Flow After Transfers to Capital	202,410	106,011	81,918	(930,870)	(153,112)	(561)	(58,324)	7,877	9,899	10,518	11,181
Ending Operating Balance	\$ 1,135,278	\$ 1,241,289	\$ 1,323,208	\$ 392,337	\$ 239,225	\$ 238,664	\$ 180,340	\$ 188,217	\$ 198,116	\$ 208,634	\$ 219,815
<i>Minimum Operating Balance Target</i>	\$ 116,264	\$ 137,997	\$ 148,137	\$ 155,487	\$ 163,304	\$ 171,670	\$ 180,340	\$ 188,217	\$ 198,116	\$ 208,634	\$ 219,815
Net Cash Flow After Rate Increase	202,410	106,011	181,918	(280,870)	(153,112)	(561)	(27,479)	47,118	115,965	189,439	267,801
Coverage After Rate Increase: w/ SDCs	n/a	n/a	n/a	1.74	2.17	2.39	2.02	2.19	2.32	2.48	2.65
Sample Residential Monthly Bill [a]	\$ 25.69	\$ 26.37	\$ 29.53	\$ 33.04	\$ 37.00	\$ 41.45	\$ 46.44	\$ 48.29	\$ 50.20	\$ 52.24	\$ 54.34
[a] Average 3/4" Residential Monthly Bill; In-City; 7 CCF consumption											

City of Sisters
Utility Rate Study: Water Model
Assumptions

Fiscal Year Ending 6/30:

Economic & Financial Factors	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Escalation Rates											
General Cost Inflation	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Construction Cost Inflation	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
Labor Cost Inflation	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Account Growth	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%
General Inflation Plus Growth	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%
No Escalation	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
PERS Inflation	0.00%	25.00%	0.00%	25.00%	0.00%	25.00%	0.00%	25.00%	0.00%	25.00%	0.00%
PERS + Labor Inflation	4.00%	30.00%	4.00%	30.00%	4.00%	30.00%	4.00%	30.00%	4.00%	30.00%	4.00%
Medical Inflation	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
Medical + Labor Inflation	9.20%	9.20%	9.20%	9.20%	9.20%	9.20%	9.20%	9.20%	9.20%	9.20%	9.20%
Credit Card Fee Inflation	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
[Extra]	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Investment Interest	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Tax Rates											
Franchise Fee	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%

Accounting & Financial Policy Assumptions	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Beginning Fund Balances											
Operating Reserve	\$ 932,868										
Capital Improvement Reserve	528,480										
Capital Replacement Reserve	757,784										
SDC Fund	1,796,710										
Debt Reserve Fund	-										
	\$ 4,015,842										
Total Operating and Capital Cash Test: Days of O&M	180 days	180 days	180 days	180 days	180 days	180 days	180 days	180 days	180 days	180 days	180 days
<i>(Informational only--does not drive rate increases)</i>											
Fund Balance Target: Minimum & Maximum Operating Balances											
Min. Fund Balance Target (Months of O&M expense)	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months
Max. Fund Balance (Months of O&M expense)	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months
Fund Balance Target: Capital											
Capital Improvement Reserve	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Replacement Reserve	\$ 803,003	\$ 848,222	\$ 893,441	\$ 938,660	\$ 983,879	\$ 1,029,098	\$ 1,074,317	\$ 1,119,536	\$ 1,164,755	\$ 1,209,974	\$ 1,255,193
Rate Funded System Reinvestment											
Capital Improvement Reserve	\$ 104,094	\$ 104,094	\$ 104,094	\$ 104,094	\$ 104,094	\$ 104,094	\$ 104,094	\$ 104,094	\$ 104,094	\$ 104,094	\$ 104,094
Capital Replacement Reserve	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219
Total	\$ 149,313	\$ 149,313	\$ 149,313	\$ 149,313	\$ 149,313	\$ 149,313	\$ 149,313	\$ 149,313	\$ 149,313	\$ 149,313	\$ 149,313
<i>Actual Result With Transfers (compared to Annual Depreciation)</i>	57%	57%	102%	356%	28%	19%	22%	22%	29%	39%	50%

City of Sisters
Utility Rate Study: Water Model
Assumptions

Fiscal Year Ending 6/30:

Capital Financing Assumptions	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
System Development Charges											
Annual Inflationary Increase			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Existing System Development Charge											
Reimbursement Fee	\$ 1,845	\$ 1,886	\$ 1,961	\$ 2,040	\$ 2,121	\$ 2,206	\$ 2,295	\$ 2,386	\$ 2,482	\$ 2,581	\$ 2,684
Improvement Fee	1,918	5,154	5,360	5,575	5,798	6,029	6,271	6,521	6,782	7,054	7,336
Administration Fee @ 5%	188	352	366	381	396	412	428	445	463	482	501
Total	\$ 3,951	\$ 7,392	\$ 7,688	\$ 7,995	\$ 8,315	\$ 8,648	\$ 8,993	\$ 9,353	\$ 9,727	\$ 10,116	\$ 10,521
Citywide											
Total Meter Equivalents	2,710	2,777	2,845	2,915	2,986	3,059	3,135	3,211	3,290	3,371	3,454
Additional Meter Equivalent per Year	65	67	68	70	72	73	75	77	79	81	83
Reimbursement Fee Revenue	\$ 119,817	\$ 125,487	\$ 133,711	\$ 142,473	\$ 151,810	\$ 161,759	\$ 172,360	\$ 183,655	\$ 195,691	\$ 208,515	\$ 222,180
Improvement Fee Revenue	124,558	342,927	365,400	389,346	414,862	442,049	471,019	501,886	534,777	569,823	607,166
Total SDC Revenue to Use in Model	\$ 357,500	\$ 491,834	\$ 524,066	\$ 558,410	\$ 595,005	\$ 633,998	\$ 675,547	\$ 719,818	\$ 766,991	\$ 817,255	\$ 870,813
System Development Charges Towards Debt Service											
Total Annual Debt Service	\$ -	\$ -	\$ -	\$ 574,994	\$ 574,994	\$ 574,994	\$ 784,083	\$ 784,083	\$ 784,083	\$ 784,083	\$ 784,083
Total Annual SDCs	\$ 357,500	\$ 491,834	\$ 524,066	\$ 558,410	\$ 595,005	\$ 633,998	\$ 675,547	\$ 719,818	\$ 766,991	\$ 817,255	\$ 870,813
Total SDCs for Debt Service	-	-	-	-	-	-	-	-	-	-	-
Total Improvement Fee SDCs for Capital	\$ 357,500	\$ 491,834	\$ 524,066	\$ 558,410	\$ 595,005	\$ 633,998	\$ 675,547	\$ 719,818	\$ 766,991	\$ 817,255	\$ 870,813
Actual % SDCs to Pay for Debt Service	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Outside Funding Sources (Uses)											
Capital Grants / Contributions											
Function											
ARPA Funding for VFD at Well No. 3 [Extra]	\$ -	\$ 280,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total: Capital Grants / Contributions	\$ -	\$ 280,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Revenue Bonds											
Term (Years)	40 Years	40 Years	40 Years	40 Years	40 Years	40 Years	40 Years	40 Years	40 Years	40 Years	40 Years
Interest Only Payments (Years)	0 Years	0 Years	0 Years	0 Years	0 Years	0 Years	0 Years	0 Years	0 Years	0 Years	0 Years
Interest Cost	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%
Issuance Cost	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Coverage Requirement (w/o SDCs)	1.50										
Use Reserves to Pay for Last Payment?	Yes										

City of Sisters
 Utility Rate Study: Water Model
 Operating Revenue and Expenditure Forecast

			Projected											
			Actuals	Budget										
			Fiscal Year Ending 6/30:											
Operating Revenues			Forecast Basis	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Rate Revenues														
02-4-00-371	Water Receipts	Account Growth	\$ 937,070	\$ 976,904	\$ 1,000,889	\$ 1,025,462	\$ 1,050,640	\$ 1,076,435	\$ 1,102,864	\$ 1,129,941	\$ 1,157,684	\$ 1,186,107	\$ 1,215,228	
Total Rate Revenue			\$ 937,070	\$ 976,904	\$ 1,000,889	\$ 1,025,462	\$ 1,050,640	\$ 1,076,435	\$ 1,102,864	\$ 1,129,941	\$ 1,157,684	\$ 1,186,107	\$ 1,215,228	
Non-Rate Revenues														
02-4-00-314	PUBLIC WORKS FEES	No Escalation	\$ 8,359	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	
02-4-00-323	TSID IRRIGATION	No Escalation	-	-	-	-	-	-	-	-	-	-	-	
02-4-00-324	WATER PROCESSING/TRANS FEE	No Escalation	7,580	4,500	4,500	4,500	4,500	4,500	4,500	4,500	4,500	4,500	4,500	
02-4-00-325	WATER PENALTIES	No Escalation	9,365	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	
02-4-00-341	BACKFLOW TESTING FEES	No Escalation	14,856	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	
02-4-00-342	SALE OF ASSETS	No Escalation	-	-	-	-	-	-	-	-	-	-	-	
02-4-00-359	WATER MITIGATION FEES	No Escalation	11,939	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	
02-4-00-360	MISCELLANEOUS	No Escalation	50	150	150	150	150	150	150	150	150	150	150	
02-4-00-362	REFUNDS/REIMBURSEMENTS	No Escalation	-	-	-	-	-	-	-	-	-	-	-	
02-4-00-372	SERVICE RECONNECT FEE	No Escalation	1,620	400	400	400	400	400	400	400	400	400	400	
02-4-00-373	METER INSTALL	No Escalation	30,545	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	
02-4-00-377	BULK WATER	No Escalation	16,096	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	
02-4-00-388	WATER TAP FEE	No Escalation	2,500	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	
02-4-00-650	STATE GRANTS	No Escalation	-	-	-	-	-	-	-	-	-	-	-	
02-4-00-509	TRANSFERS FROM OTHER FUNDS	No Escalation	-	-	-	-	-	-	-	-	-	-	-	
Total Non-Rate Revenues			\$ 102,910	\$ 95,050	\$ 95,050	\$ 95,050	\$ 95,050	\$ 95,050	\$ 95,050	\$ 95,050	\$ 95,050	\$ 95,050	\$ 95,050	
TOTAL OPERATING REVENUES			\$ 1,039,980	\$ 1,071,954	\$ 1,095,939	\$ 1,120,512	\$ 1,145,690	\$ 1,171,485	\$ 1,197,914	\$ 1,224,991	\$ 1,252,734	\$ 1,281,157	\$ 1,310,278	

Operating Expenses			Charge Type	Forecast Basis	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
TRANSFERS															
02-5-00-602	TRANSFER TO CITY HALL FUND	Admin/Overhead	No Escalation	\$ 8,700	\$ 8,600	\$ 8,949	\$ 8,816	\$ 8,843	\$ 9,357	\$ 8,670	\$ -	\$ -	\$ -	\$ -	\$ -
SUBTOTAL TRANSFERS				\$ 8,700	\$ 8,600	\$ 8,949	\$ 8,816	\$ 8,843	\$ 9,357	\$ 8,670	\$ -	\$ -	\$ -	\$ -	\$ -
PERSONNEL SERVICES															
SALARIES AND WAGES			[Calculated]	Labor Cost Inflation	\$ 203,657	\$ 259,088	\$ 305,952	\$ 318,190	\$ 330,917	\$ 344,154	\$ 357,920	\$ 372,237	\$ 387,126	\$ 402,611	\$ 418,716
PAYROLL TAXES, INSURANCE, AND BENEFITS			[Calculated]	Medical + Labor Inflation	121,484	153,886	168,044	183,504	200,386	218,821	238,953	260,937	284,943	311,157	339,784
02-5-00-500	CITY MANAGER	Admin/Overhead	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-502	ADMIN ASST	Admin/Overhead	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-503	PUBLIC WORKS DIRECTOR	Admin/Overhead	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-504	UTILITY TECHNICIAN II	Direct O&M/Capital	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-505	UTILITY TECHNICIAN I	Direct O&M/Capital	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-511	UTILITY ASST	Direct O&M/Capital	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-513	OVERTIME	Direct O&M/Capital	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-515	PLANNING TECHNICIAN	Direct O&M/Capital	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-518	ACCOUNTING TECHNICIAN	Admin/Overhead	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-519	DATA ANALYST	Admin/Overhead	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-521	FINANCE OFFICER	Admin/Overhead	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-522	PUBLIC WORKS OPS COORDINATOR	Direct O&M/Capital	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-524	MAINTENANCE LEAD	Direct O&M/Capital	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-525	PROJECT COORDINATOR	Direct O&M/Capital	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-527	CITY RECORDER	Admin/Overhead	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-529	FINANCE & ADMIN DIRECTOR	Admin/Overhead	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-533	MAINTENANCE SUPERVISOR	Direct O&M/Capital	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-573	ON CALL COMPENSATION	Direct O&M/Capital	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-580	BONUS	Admin/Overhead	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-581	SOCIAL SECURITY	Admin/Overhead	Medical + Labor Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-582	WORKER'S COMP	Admin/Overhead	Medical + Labor Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-583	PERS/OSPRS	Admin/Overhead	PERS + Labor Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-584	MED/DENT/VISION INSURANCE	Admin/Overhead	Medical + Labor Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-586	LTD	Admin/Overhead	Medical + Labor Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-587	LIFE INSURANCE	Admin/Overhead	Medical + Labor Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-588	UNEMPLOYMENT INS.	Admin/Overhead	Medical + Labor Inflation	-	-	-	-	-	-	-	-	-	-	-	-
02-5-00-589	MEDICARE	Admin/Overhead	Medical + Labor Inflation	-	-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL PERSONNEL SERVICES				\$ 325,141	\$ 412,974	\$ 473,995	\$ 501,693	\$ 531,303	\$ 562,975	\$ 596,873	\$ 633,173	\$ 672,069	\$ 713,769	\$ 758,500	

City of Sisters
Utility Rate Study: Water Model
 Operating Revenue and Expenditure Forecast

			Fiscal Year Ending 6/30:											
			Projected											
			Actuals	Budget										
Operating Expenses (Continued)	Charge Type	Forecast Basis	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
MATERIALS & SERVICES														
02-5-00-704	RECRUITMENT	Admin/Overhead	General Cost Inflation	\$ 365	\$ 400	\$ 416	\$ 433	\$ 450	\$ 468	\$ 487	\$ 506	\$ 526	\$ 547	\$ 569
02-5-00-705	ADVERTISING	Admin/Overhead	General Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
02-5-00-706	AUDIT FEES	Admin/Overhead	General Cost Inflation	3,620	5,800	6,032	6,273	6,524	6,785	7,057	7,339	7,632	7,938	8,255
02-5-00-710	COMPUTER SOFTWARE MAINT.	Admin/Overhead	General Cost Inflation	7,863	12,500	13,000	13,520	14,061	14,623	15,208	15,816	16,449	17,107	17,791
02-5-00-712	CHEMICALS	Direct O&M/Capital	General Cost Inflation	1,500	2,200	2,288	2,380	2,475	2,574	2,677	2,784	2,895	3,011	3,131
02-5-00-713	DEVELOPMENT REVIEW	Admin/Overhead	General Cost Inflation	1,822	5,000	5,200	5,408	5,624	5,849	6,083	6,327	6,580	6,843	7,117
02-5-00-714	OFFICE SUPPLIES	Admin/Overhead	General Cost Inflation	911	1,300	1,352	1,406	1,462	1,521	1,582	1,645	1,711	1,779	1,850
02-5-00-715	POSTAGE	Admin/Overhead	General Cost Inflation	2,368	18,400	19,136	19,901	20,697	21,525	22,386	23,282	24,213	25,182	26,189
02-5-00-717	OFFICE EQUIPMENT	Admin/Overhead	General Cost Inflation	1,911	500	520	541	562	585	608	633	658	684	712
02-5-00-721	COPIER/PRINTER	Admin/Overhead	General Cost Inflation	527	750	780	811	844	877	912	949	987	1,026	1,067
02-5-00-722	CHLORINATOR REPAIRS	Direct O&M/Capital	General Cost Inflation	-	2,000	2,080	2,163	2,250	2,340	2,433	2,531	2,632	2,737	2,847
02-5-00-726	CONTRACTED SERVICES	Direct O&M/Capital	General Cost Inflation	26,118	42,500	27,163	28,249	29,379	30,554	31,777	33,048	34,370	35,744	37,174
02-5-00-727	PERMITS & FEES	Admin/Overhead	General Cost Inflation	4,549	2,500	2,600	2,704	2,812	2,925	3,042	3,163	3,290	3,421	3,558
02-5-00-733	DUES & SUBSCRIPTIONS	Admin/Overhead	General Cost Inflation	3,469	3,500	3,640	3,786	3,937	4,095	4,258	4,429	4,606	4,790	4,982
02-5-00-735	TELEPHONE	Admin/Overhead	General Cost Inflation	1,176	1,500	1,560	1,622	1,687	1,755	1,825	1,898	1,974	2,053	2,135
02-5-00-736	CELLULAR PHONES	Admin/Overhead	General Cost Inflation	1,195	1,500	1,560	1,622	1,687	1,755	1,825	1,898	1,974	2,053	2,135
02-5-00-740	EDUCATION	Admin/Overhead	General Cost Inflation	2,450	2,500	2,600	2,704	2,812	2,925	3,042	3,163	3,290	3,421	3,558
02-5-00-743	ELECTRICITY	Direct O&M/Capital	General Inflation Plus Growth	44,511	45,000	47,905	50,997	54,289	57,794	61,524	65,496	69,724	74,225	79,016
02-5-00-746	SMALL TOOLS & EQUIPMENT	Direct O&M/Capital	General Cost Inflation	2,566	4,500	4,680	4,867	5,062	5,264	5,475	5,694	5,922	6,159	6,405
02-5-00-748	BACKFLOW TESTING SERVICE	Direct O&M/Capital	General Cost Inflation	17,400	20,000	20,800	21,632	22,497	23,397	24,333	25,306	26,319	27,371	28,466
02-5-00-755	GAS/OIL	Direct O&M/Capital	General Cost Inflation	7,141	7,500	7,800	8,112	8,436	8,774	9,125	9,490	9,869	10,264	10,675
02-5-00-765	IMPROVEMENTS & REPAIRS	Direct O&M/Capital	General Cost Inflation	7,093	12,000	12,480	12,979	13,498	14,038	14,600	15,184	15,791	16,423	17,080
02-5-00-766	INS. COMP/LIA/UMB	Admin/Overhead	General Cost Inflation	17,561	22,000	22,880	23,795	24,747	25,737	26,766	27,837	28,950	30,109	31,313
02-5-00-768	INTERNAL GENERAL FUND SERVICES	Admin/Overhead	General Cost Inflation	10,958	11,725	12,194	12,682	13,189	13,717	14,265	14,836	15,429	16,046	16,688
02-5-00-769	ENGINEERING	Direct O&M/Capital	General Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
02-5-00-770	WATER LOCATE SERVICE	Direct O&M/Capital	General Cost Inflation	254	200	208	216	225	234	243	253	263	274	285
02-5-00-771	MEDICAL TESTING & SERVICES	Admin/Overhead	General Cost Inflation	249	200	208	216	225	234	243	253	263	274	285
02-5-00-772	ROW FRANCHISE FEE	Admin/Overhead	[Calculated]	65,935	68,383	70,062	71,782	73,545	75,350	77,200	79,096	81,038	83,027	85,066
02-5-00-775	LABORATORY FEES	Direct O&M/Capital	General Cost Inflation	13,109	5,000	5,200	5,408	5,624	5,849	6,083	6,327	6,580	6,843	7,117
02-5-00-777	LEGAL FEES	Admin/Overhead	General Cost Inflation	323	4,250	4,420	4,597	4,781	4,972	5,171	5,378	5,593	5,816	6,049
02-5-00-779	WATER SYSTEM REPAIRS	Direct O&M/Capital	General Cost Inflation	12,586	10,000	10,400	10,816	11,249	11,699	12,167	12,653	13,159	13,686	14,233
02-5-00-780	CREDIT CARD FEE	Admin/Overhead	Credit Card Fee Inflation	16,422	20,000	21,000	22,050	23,153	24,310	25,526	26,802	28,142	29,549	31,027
02-5-00-782	UNIFORMS	Direct O&M/Capital	General Cost Inflation	569	1,000	1,040	1,082	1,125	1,170	1,217	1,265	1,316	1,369	1,423
02-5-00-788	METERS & PARTS	Direct O&M/Capital	General Cost Inflation	75,882	60,000	62,400	64,896	67,492	70,192	72,999	75,919	78,956	82,114	85,399
02-5-00-789	MILEAGE/TRAVEL REIMBURSEMT	Admin/Overhead	General Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
02-5-00-790	MISCELLANEOUS	Admin/Overhead	General Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
02-5-00-793	MEETINGS/WORKSHOPS	Admin/Overhead	General Cost Inflation	39	200	208	216	225	234	243	253	263	274	285
02-5-00-795	SUPPLIES	Direct O&M/Capital	General Cost Inflation	3,632	4,000	4,160	4,326	4,499	4,679	4,867	5,061	5,264	5,474	5,693
02-5-00-796	VEHICLE MAINTENANCE	Direct O&M/Capital	General Cost Inflation	7,670	7,500	7,800	8,112	8,436	8,774	9,125	9,490	9,869	10,264	10,675
02-5-00-799	BAD DEBT EXPENSE	Admin/Overhead	General Cost Inflation	-	100	104	108	112	117	122	127	132	137	142
SUBTOTAL MATERIALS & SERVICES				\$ 363,744	\$ 406,408	\$ 405,876	\$ 422,415	\$ 439,675	\$ 457,690	\$ 476,496	\$ 496,129	\$ 516,628	\$ 538,035	\$ 560,391
DEBT SERVICE														
02-5-00-820	IFA LOAN PAYMENT - INTEREST	Admin/Overhead	General Cost Inflation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
02-5-00-821	IFA LOAN PAYMENT - PRINCIPAL	Admin/Overhead	General Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL DEBT SERVICE				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CAPITAL OUTLAY														
02-5-00-906	CAPITAL OUTLAY	Direct O&M/Capital	General Cost Inflation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUBTOTAL CAPITAL OUTLAY				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
[Extra]														
[Extra]			No Escalation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
[Extra]			No Escalation	-	-	-	-	-	-	-	-	-	-	-
[Extra]			No Escalation	-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL [Extra]				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL CASH OPERATING EXPENSES				\$ 697,585	\$ 827,982	\$ 888,820	\$ 932,924	\$ 979,821	\$ 1,030,022	\$ 1,082,039	\$ 1,129,302	\$ 1,188,697	\$ 1,251,804	\$ 1,318,891
SHARE ALLOCATED TO Admin/Overhead				\$ 369,781	\$ 467,696	\$ 515,303	\$ 540,394	\$ 567,175	\$ 596,084	\$ 625,552	\$ 648,927	\$ 683,001	\$ 719,256	\$ 757,857
SHARE ALLOCATED TO Direct O&M/Capital				\$ 327,804	\$ 360,287	\$ 373,517	\$ 392,530	\$ 412,646	\$ 433,939	\$ 456,487	\$ 480,375	\$ 505,696	\$ 532,547	\$ 561,035

City of Sisters
Utility Rate Study: Water Model
Existing Debt

Fiscal Year Ending 6/30:

Existing Debt Service - Summary	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Annual Debt Payments											
Revenue Bonds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Bonds	-	-	-	-	-	-	-	-	-	-	-
Other Loans	-	-	-	-	-	-	-	-	-	-	-
Total Debt Payments	-	-	-	-	-	-	-	-	-	-	-

Existing Debt Service - Revenue Bonds	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
TOTAL REVENUE BONDS											
Annual Interest Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment	-	-	-	-	-	-	-	-	-	-	-
Total Annual Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Use of Debt Reserve for Debt Service	-	-	-	-	-	-	-	-	-	-	-
Annual Debt Reserve Target on Existing Revenue	-	-	-	-	-	-	-	-	-	-	-

Existing Debt Service - Other Bonds	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
TOTAL OTHER BONDS											
Annual Interest Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment	-	-	-	-	-	-	-	-	-	-	-
Total Annual Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Existing Debt Service - Other Loans	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
TOTAL OTHER LOANS											
Annual Interest Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment	-	-	-	-	-	-	-	-	-	-	-
Total Annual Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

City of Sisters
 Utility Rate Study: Water Model
 Capital Improvement Program

Project Costs in Year:

2023

Fiscal Year Ending 6/30:

ID	Description	Expenditure by Fund Type				Unescalated Total	UNESCALATED COSTS										
		% SDC Funded	% Improvement Reserve Funded	% Replacement Reserve Funded	Total		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
5-Year Forecast Water Projects																	
	Install VFD and backup power at Well No. 3	0%	100%	0%	100%	280,000		\$ 280,000									
	Rebuild the Well No. 1 pump station building and install a new on-site generator	0%	100%	0%	100%	808,000		404,000	404,000								
	Construct new 2.2 MG water storage tank and rehabilitate the existing 1.6 MG tank	100%	0%	0%	100%	6,283,000				3,141,500	3,141,500						
	Install a new 16-inch PVC transmission line on Edgington Road from the existing 12-inch DI	100%	0%	0%	100%	3,635,000				1,817,500	1,817,500						
	Install a new 16-inch DI transmission line from the existing reservoir to Whychee	TBD				1,466,000				733,000	733,000						
5-to-10-Year Forecast Water Projects																	
	Replace existing AC distribution mains in the Edge O The Pines subdivision	TBD				1,567,000						522,333	522,333	522,333			
	Install new 12-inch PVC water main on Camp Polk Road Extension from East	100%	0%	0%	100%	319,000						106,333	106,333	106,333			
	Install a new 12-inch DI transmission line from the Whychus Creek junction to	TBD				2,504,000						834,667	834,667	834,667			
	Install new 12-inch PVC main from East Desperado Trail to Creekside Drive	100%	0%	0%	100%	654,000						218,000	218,000	218,000			
	Reconnect existing Hood Avenue South Alley water services with new taps, lin	0%	100%	0%	100%	103,000						34,333	34,333	34,333			
>10 Year Forecast Water Projects																	
	Construct new Well No. 5 and transmission line.	100%	0%	0%	100%	2,102,000											
Ongoing Projects																	
	Ongoing water service meter replacement.	0%	100%	0%	100%	400,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
TOTAL CAPITAL PROJECTS						20,121,000	\$ 20,000	\$ 704,000	\$ 424,000	\$5,712,000	\$5,712,000	\$1,735,667	\$1,735,667	\$1,735,667	\$ 20,000	\$ 20,000	\$ 20,000
	Total SDC Projects	SDC Fund				10,891,000	\$ -	\$ -	\$ -	\$4,959,000	\$4,959,000	\$ 324,333	\$ 324,333	\$ 324,333	\$ -	\$ -	\$ -
	Total Improvement Reserve Projects	Improvement Reserve				1,391,000	\$ 20,000	\$ 704,000	\$ 424,000	\$ 20,000	\$ 20,000	\$ 54,333	\$ 54,333	\$ 54,333	\$ 20,000	\$ 20,000	\$ 20,000
	Total Replacement Reserve Projects	Replacement Reserve				0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Projects by CIAC						\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Projects by Enterprise Fund						\$ 20,000	\$ 704,000	\$ 424,000	\$5,712,000	\$5,712,000	\$1,735,667	\$1,735,667	\$1,735,667	\$ 20,000	\$ 20,000	\$ 20,000

City of Sisters
Utility Rate Study: Water Model
Capital Improvement Program

Project Costs in Year:		Annual Escalation:	0.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
		Cumulative Escalation - 2016:	0.00%	5.00%	10.25%	15.76%	21.55%	27.63%	34.01%	40.71%	47.75%	55.13%	62.89%		
ID	Description	ESCALATED COSTS											ESCALATED TOTAL		
		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033			
	5-Year Forecast Water Projects	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Install VFD and backup power at Well No. 3	-	294,000	-	-	-	-	-	-	-	-	-	-	294,000	
	Rebuild the Well No. 1 pump station building and install a new on-site generator	-	424,200	445,410	-	-	-	-	-	-	-	-	-	869,610	
	Construct new 2.2 MG water storage tank and rehabilitate the existing 1.6 MG	-	-	-	3,636,679	3,818,513	-	-	-	-	-	-	-	7,455,192	
	Install a new 16-inch PVC transmission line on Edgington Road from the existing	-	-	-	2,103,983	2,209,183	-	-	-	-	-	-	-	4,313,166	
	Install a new 16-inch DI transmission line from the existing reservoir to Whyche	-	-	-	848,539	890,966	-	-	-	-	-	-	-	1,739,505	
	5-to-10-Year Forecast Water Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Replace existing AC distribution mains in the Edge O The Pines subdivision	-	-	-	-	-	666,644	699,977	734,975	-	-	-	-	2,101,596	
	Install new 12-inch PVC water main on Camp Polk Road Extension from East	-	-	-	-	-	135,711	142,497	149,622	-	-	-	-	427,830	
	Install a new 12-inch DI transmission line from the Whychus Creek junction to	-	-	-	-	-	1,065,270	1,118,533	1,174,460	-	-	-	-	3,358,263	
	Install new 12-inch PVC main from East Desperado Trail to Creekside Drive	-	-	-	-	-	278,229	292,141	306,748	-	-	-	-	877,118	
	Reconnect existing Hood Avenue South Alley water services with new taps, lin	-	-	-	-	-	43,819	46,010	48,310	-	-	-	-	138,139	
	>10 Year Forecast Water Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Construct new Well No. 5 and transmission line.	-	-	-	-	-	-	-	-	-	-	-	-	4,369,907	
	Ongoing Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Ongoing water service meter replacement.	20,000	21,000	22,050	23,153	24,310	25,526	26,802	28,142	29,549	31,027	32,578	661,319		
	TOTAL CAPITAL PROJECTS	\$ 20,000	\$ 739,200	\$ 467,460	\$ 6,612,354	\$ 6,942,972	\$ 2,215,199	\$ 2,325,959	\$ 2,442,257	\$ 29,549	\$ 31,027	\$ 32,578	\$ 26,605,646		
	Total SDC Projects	\$ -	\$ -	\$ -	\$ 5,740,662	\$ 6,027,695	\$ 413,941	\$ 434,638	\$ 456,370	\$ -	\$ -	\$ -	\$ 17,443,213		
	Total Improvement Reserve Projects	20,000	739,200	467,460	23,153	24,310	69,345	72,812	76,452	29,549	31,027	32,578	1,963,068		
	Total Replacement Reserve Projects	-	-	-	-	-	-	-	-	-	-	-	-		
	Projects by CIAC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Projects by Enterprise Fund	\$ 20,000	\$ 739,200	\$ 467,460	\$ 6,612,354	\$ 6,942,972	\$ 2,215,199	\$ 2,325,959	\$ 2,442,257	\$ 29,549	\$ 31,027	\$ 32,578	\$ 26,605,646		

City of Sisters
Utility Rate Study: Water Model
 Capital Funding

Fiscal Year Ending 6/30:

Capital Project Summary	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
TOTAL CAPITAL EXPENDITURES	\$ 20,000	\$ 739,200	\$ 467,460	\$ 6,612,354	\$ 6,942,972	\$ 2,215,199	\$ 2,325,959	\$ 2,442,257	\$ 29,549	\$ 31,027	\$ 32,578

Manual Input Debt Assumptions	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Proceeds - Revenue Bonds	\$ -	\$ -	\$ -	\$ 9,900,000	\$ -	\$ -	\$ 3,600,000	\$ -	\$ -	\$ -	\$ -

*Model will automatically calculate revenue bond debt if 'Revenue Bond Proceeds' is blank.

Capital Financing Plan	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Outside Funding Sources: Grants/CIAC	-	280,000	-	-	-	-	-	-	-	-	-
Balance/Remained to be Funded	\$ 20,000	\$ 459,200	\$ 467,460	\$ 6,612,354	\$ 6,942,972	\$ 2,215,199	\$ 2,325,959	\$ 2,442,257	\$ 29,549	\$ 31,027	\$ 32,578
OTHER FUNDING SOURCES	Available Same Year? (Note: Operating transfers in year N are always assumed to be available in year N + 1.)										
Beginning Fund Balances	\$ 1,286,264	\$ 1,428,440	\$ 1,132,837	\$ 926,018	\$ 8,849,671	\$ 2,739,514	\$ 1,114,964	\$ 3,014,951	\$ 1,247,767	\$ 1,486,074	\$ 1,798,142
Capital Improvement Reserve Contribution	Yes 104,094	104,094	104,094	104,094	104,094	104,094	104,094	104,094	104,094	104,094	104,094
Capital Replacement Reserve Contribution	Yes 45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219
Use of SDC Revenue	Yes 357,500	491,834	524,066	558,410	595,005	633,998	675,547	719,818	766,991	817,255	870,813
Use of SDC Fund Balance	Yes 1,796,710	2,172,177	2,685,733	3,236,657	-	-	220,058	463,168	731,248	1,505,551	2,337,862
Interest Earnings	No -	-	-	-	-	-	-	-	-	-	-
Minimum Capital Balance?	Yes -	-	-	-	-	-	-	-	-	-	-
Revenue Bond Proceeds	-	-	-	9,900,000	-	-	3,600,000	-	-	-	-
TOTAL CAPITAL RESOURCES	\$ 3,589,787	\$ 4,241,764	\$ 4,491,949	\$ 14,770,398	\$ 9,593,989	\$ 3,522,826	\$ 5,759,881	\$ 4,347,250	\$ 2,895,319	\$ 3,958,193	\$ 5,156,130

Info: Working Capital Contingency Deficit

New Debt Computations	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
REVENUE BONDS											
Amount to Fund	\$ -	\$ -	\$ -	\$ 9,900,000	\$ -	\$ -	\$ 3,600,000	\$ -	\$ -	\$ -	\$ -
Issuance Costs	-	-	-	105,808	-	-	38,476	-	-	-	-
Reserve Required	-	-	-	574,994	-	-	209,089	-	-	-	-
Amount of Debt Issue	\$ -	\$ -	\$ -	\$ 10,580,802	\$ -	\$ -	\$ 3,847,564	\$ -	\$ -	\$ -	\$ -

Debt Service Summary	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
EXISTING DEBT SERVICE											
Annual Interest Payments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payments	-	-	-	-	-	-	-	-	-	-	-
Total Debt Service Payments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Revenue Bond Payments Only	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NEW DEBT SERVICE											
Annual Interest Payments	\$ -	\$ -	\$ -	\$ 476,136	\$ 471,687	\$ 467,039	\$ 635,321	\$ 628,627	\$ 621,631	\$ 614,321	\$ 606,682
Annual Principal Payments	-	-	-	98,858	103,307	107,955	148,762	155,456	162,452	169,762	177,401
Total Debt Service Payments	\$ -	\$ -	\$ -	\$ 574,994	\$ 574,994	\$ 574,994	\$ 784,083	\$ 784,083	\$ 784,083	\$ 784,083	\$ 784,083
Revenue Bond Payments Only	\$ -	\$ -	\$ -	\$ 574,994	\$ 574,994	\$ 574,994	\$ 784,083	\$ 784,083	\$ 784,083	\$ 784,083	\$ 784,083
TOTAL DEBT SERVICE PAYMENTS	\$ -	\$ -	\$ -	\$ 574,994	\$ 574,994	\$ 574,994	\$ 784,083	\$ 784,083	\$ 784,083	\$ 784,083	\$ 784,083
Total Interest Payments	\$ -	\$ -	\$ -	\$ 476,136	\$ 471,687	\$ 467,039	\$ 635,321	\$ 628,627	\$ 621,631	\$ 614,321	\$ 606,682
Total Principal Payments	-	-	-	98,858	103,307	107,955	148,762	155,456	162,452	169,762	177,401
Total Revenue Bond Payments Only	\$ -	\$ -	\$ -	\$ 574,994	\$ 574,994	\$ 574,994	\$ 784,083	\$ 784,083	\$ 784,083	\$ 784,083	\$ 784,083
Use of Debt Reserve for Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

City of Sisters
Utility Rate Study: Water Model
 Revenue Requirement Tests

Fiscal Year Ending 6/30:

Cash Flow Test	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
REVENUES											
Rate Revenue	\$ 937,070	\$ 976,904	\$ 1,000,889	\$ 1,025,462	\$ 1,050,640	\$ 1,076,435	\$ 1,102,864	\$ 1,129,941	\$ 1,157,684	\$ 1,186,107	\$ 1,215,228
SDC Revenue Towards Debt Service	-	-	-	-	-	-	-	-	-	-	-
Other Non-Rate Revenue	102,910	95,050	95,050	95,050	95,050	95,050	95,050	95,050	95,050	95,050	95,050
Interest Earnings: Operating & Debt Reserve Funds	9,329	11,353	12,413	13,232	9,673	8,142	8,137	9,644	9,723	9,822	9,927
Total Revenue	\$ 1,049,308	\$ 1,083,306	\$ 1,108,352	\$ 1,133,745	\$ 1,155,363	\$ 1,179,627	\$ 1,206,050	\$ 1,234,635	\$ 1,262,457	\$ 1,290,979	\$ 1,320,206
EXPENSES											
Cash Operating Expenses	\$ 697,585	\$ 827,982	\$ 888,820	\$ 932,924	\$ 979,821	\$ 1,030,022	\$ 1,082,039	\$ 1,129,302	\$ 1,188,697	\$ 1,251,804	\$ 1,318,891
Existing Debt Service	-	-	-	-	-	-	-	-	-	-	-
New Debt Service	-	-	-	574,994	574,994	574,994	784,083	784,083	784,083	784,083	784,083
Capital Improvement Reserve Contribution	104,094	104,094	104,094	104,094	104,094	104,094	104,094	104,094	104,094	104,094	104,094
Capital Replacement Reserve Contribution	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219
Additions Required to Meet Min. Op. Fund Balance	-	-	-	-	-	-	-	-	-	-	-
Total Expenses	\$ 846,898	\$ 977,295	\$ 1,038,133	\$ 1,657,231	\$ 1,704,128	\$ 1,754,329	\$ 2,015,435	\$ 2,062,698	\$ 2,122,093	\$ 2,185,199	\$ 2,252,287
NET CASH FLOW (DEFICIENCY)	\$ 202,410	\$ 106,011	\$ 70,219	\$ (523,486)	\$ (548,765)	\$ (574,702)	\$ (809,384)	\$ (828,063)	\$ (859,637)	\$ (894,220)	\$ (932,081)
Coverage Test - w/o SDCs											
ALLOWABLE REVENUES											
Rate Revenue	\$ 937,070	\$ 976,904	\$ 1,000,889	\$ 1,025,462	\$ 1,050,640	\$ 1,076,435	\$ 1,102,864	\$ 1,129,941	\$ 1,157,684	\$ 1,186,107	\$ 1,215,228
Other Revenue	102,910	95,050	95,050	95,050	95,050	95,050	95,050	95,050	95,050	95,050	95,050
SDC Revenue	-	-	-	-	-	-	-	-	-	-	-
Interest Earnings - All Funds	14,613	17,531	15,102	13,315	88,448	25,266	8,460	28,407	10,248	12,159	14,807
Total Revenue	\$ 1,054,593	\$ 1,089,485	\$ 1,111,041	\$ 1,133,827	\$ 1,234,138	\$ 1,196,751	\$ 1,206,374	\$ 1,253,399	\$ 1,262,982	\$ 1,293,316	\$ 1,325,085
EXPENSES											
Cash Operating Expenses	\$ 697,585	\$ 827,982	\$ 888,820	\$ 932,924	\$ 979,821	\$ 1,030,022	\$ 1,082,039	\$ 1,129,302	\$ 1,188,697	\$ 1,251,804	\$ 1,318,891
Revenue Bond Debt Service	-	-	-	574,994	574,994	574,994	784,083	784,083	784,083	784,083	784,083
Revenue Bond Coverage Requirement at 1.5	-	-	-	287,497	287,497	287,497	392,041	392,041	392,041	392,041	392,041
Total Expenses	\$ 697,585	\$ 827,982	\$ 888,820	\$ 1,795,415	\$ 1,842,312	\$ 1,892,513	\$ 2,258,163	\$ 2,305,427	\$ 2,364,822	\$ 2,427,928	\$ 2,495,015
COVERAGE SURPLUS (DEFICIENCY)	\$ 357,008	\$ 261,503	\$ 222,221	\$ (661,588)	\$ (608,174)	\$ (695,762)	\$ (1,051,789)	\$ (1,052,028)	\$ (1,101,840)	\$ (1,134,612)	\$ (1,169,930)
Maximum Revenue Deficiency											
Sufficiency Test Driving the Deficiency	Cash	Cash	Cash	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2
Maximum Revenue Deficiency (Surplus)	\$ (202,410)	\$ (106,011)	\$ (70,219)	\$ 661,588	\$ 608,174	\$ 695,762	\$ 1,051,789	\$ 1,052,028	\$ 1,101,840	\$ 1,134,612	\$ 1,169,930
plus: Additional Tax Expense	(15,235)	(7,979)	(5,285)	49,797	45,777	52,369	79,167	79,185	82,934	85,401	88,059
less: Incremental Revenue From Prior Rate Increases	-	-	-	(123,055)	(267,283)	(435,879)	(632,514)	(861,401)	(964,160)	(1,074,789)	(1,193,834)
Net Revenue Deficiency (Surplus)	\$ (217,645)	\$ (113,991)	\$ (75,504)	\$ 588,329	\$ 386,668	\$ 312,253	\$ 498,442	\$ 269,812	\$ 220,614	\$ 145,224	\$ 64,155

City of Sisters
Utility Rate Study: Water Model
 Revenue Requirement Tests

Fiscal Year Ending 6/30:

Rate Increases	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Rate Revenue @ Existing Rates	\$ 937,070	\$ 976,904	\$ 1,000,889	\$ 1,025,462	\$ 1,050,640	\$ 1,076,435	\$ 1,102,864	\$ 1,129,941	\$ 1,157,684	\$ 1,186,107	\$ 1,215,228
Revenues from Prior Rate Increases	-	-	-	123,055	267,283	435,879	632,514	861,401	964,160	1,074,789	1,193,834
Rate Revenue Before Rate Increase (incl. previous increases)	\$ 937,070	\$ 976,904	\$ 1,000,889	\$ 1,148,518	\$ 1,317,922	\$ 1,512,314	\$ 1,735,377	\$ 1,991,343	\$ 2,121,843	\$ 2,260,897	\$ 2,409,062
Required Annual Rate Increase	-23.23%	-11.67%	-7.54%	51.23%	29.34%	20.65%	28.72%	13.55%	10.40%	6.42%	2.66%
Number of Months New Rates Will Be In Effect	12 Months	12 Months	12 Months	12 Months	12 Months	12 Months	12 Months	12 Months	12 Months	12 Months	12 Months
Info: % Increase to Generate Required Revenue	0.00%	0.00%	0.00%	51.23%	29.34%	20.65%	28.72%	13.55%	10.40%	6.42%	2.66%
Policy Induced Rate Increases	0.00%	0.00%	12.00%	12.00%	12.00%	12.00%	12.00%	4.00%	4.00%	4.00%	4.00%
ANNUAL RATE INCREASE	0.00%	0.00%	12.00%	12.00%	12.00%	12.00%	12.00%	4.00%	4.00%	4.00%	4.00%
CUMULATIVE RATE INCREASE	0.00%	0.00%	12.00%	25.44%	40.49%	57.35%	76.23%	83.28%	90.61%	98.24%	106.17%

Impacts of Rate Increases	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Sufficiency Test Driving the Deficiency	Cash	Cash	Cash	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2
Rate Revenues After Rate Increase	\$ 937,070	\$ 976,904	\$ 1,120,995	\$ 1,286,340	\$ 1,476,073	\$ 1,693,791	\$ 1,943,623	\$ 2,070,996	\$ 2,206,717	\$ 2,351,332	\$ 2,505,425
Full Year Rate Revenues After Rate Increase	\$ 937,070	\$ 976,904	\$ 1,120,995	\$ 1,286,340	\$ 1,476,073	\$ 1,693,791	\$ 1,943,623	\$ 2,070,996	\$ 2,206,717	\$ 2,351,332	\$ 2,505,425
Partial Year Adjustment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Additional Taxes Due to Rate Increases	-	-	8,407	18,261	29,780	43,215	58,853	65,874	73,432	81,566	90,314
Net Cash Flow After Rate Increase	\$ 202,410	\$ 106,011	\$ 181,918	\$ (280,870)	\$ (153,112)	\$ (561)	\$ (27,479)	\$ 47,118	\$ 115,965	\$ 189,439	\$ 267,801
Coverage After Rate Increase: w/ SDCs	n/a	n/a	n/a	1.74	2.17	2.39	2.02	2.19	2.32	2.48	2.65

Fund Balance Impacts	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Ending Fund Balance: Operating Reserve - Part Of Water Fund	\$ 1,135,278	\$ 1,241,289	\$ 1,323,208	\$ 392,337	\$ 239,225	\$ 238,664	\$ 180,340	\$ 188,217	\$ 198,116	\$ 208,634	\$ 219,815
Minimum Target: Operating Reserve - Part Of Water Fund	\$ 116,264	\$ 137,997	\$ 148,137	\$ 155,487	\$ 163,304	\$ 171,670	\$ 180,340	\$ 188,217	\$ 198,116	\$ 208,634	\$ 219,815
Ending Fund Balance: Capital Improvement Reserve - Part Of Water Fund	\$ 617,859	\$ 268,931	\$ 8,255	\$ 7,877,511	\$ 1,712,413	\$ 32,373	\$ 1,876,315	\$ 52,525	\$ 233,661	\$ 487,987	\$ 821,003
Minimum Target: Capital Improvement Reserve - Part Of Water Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Ending Fund Balance: Capital Replacement Reserve - Part Of Water Fund	\$ 810,581	\$ 863,906	\$ 917,764	\$ 972,160	\$ 1,027,101	\$ 1,082,591	\$ 1,138,636	\$ 1,195,241	\$ 1,252,413	\$ 1,310,156	\$ 1,368,476
Minimum Target: Capital Replacement Reserve - Part Of Water Fund	\$ 803,003	\$ 848,222	\$ 893,441	\$ 938,660	\$ 983,879	\$ 1,029,098	\$ 1,074,317	\$ 1,119,536	\$ 1,164,755	\$ 1,209,974	\$ 1,255,193
Ending Fund Balance: SDC Fund	\$ 2,172,177	\$ 2,685,733	\$ 3,236,657	\$ -	\$ -	\$ 220,058	\$ 463,168	\$ 731,248	\$ 1,505,551	\$ 2,337,862	\$ 3,232,054
Minimum Target: SDC Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

City of Sisters
Utility Rate Study: Water Model
Fund Activity

Fiscal Year Ending 6/30:

Funds	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Operating Reserve - Part of Water Fund											
Beginning Balance	\$ 932,868	\$ 1,135,278	\$ 1,241,289	\$ 1,323,208	\$ 392,337	\$ 239,225	\$ 238,664	\$ 180,340	\$ 188,217	\$ 198,116	\$ 208,634
plus: Net Cash Flow after Rate Increase	202,410	106,011	181,918	(280,870)	(153,112)	(561)	(27,479)	47,118	115,965	189,439	267,801
less: Transfer to Capital Replacement Reserve	-	-	-	-	-	-	-	-	-	-	-
less: Transfer of Surplus to Capital Improvement Reserve	-	-	(100,000)	(650,000)	-	-	(30,846)	(39,241)	(106,065)	(178,921)	(256,620)
Ending Balance	\$ 1,135,278	\$ 1,241,289	\$ 1,323,208	\$ 392,337	\$ 239,225	\$ 238,664	\$ 180,340	\$ 188,217	\$ 198,116	\$ 208,634	\$ 219,815
<i>Minimum Target Balance</i>	\$ 116,264	\$ 137,997	\$ 148,137	\$ 155,487	\$ 163,304	\$ 171,670	\$ 180,340	\$ 188,217	\$ 198,116	\$ 208,634	\$ 219,815
<i>Maximum Funds to be Kept as Operating Reserves</i>	\$ 116,264	\$ 137,997	\$ 148,137	\$ 155,487	\$ 163,304	\$ 171,670	\$ 180,340	\$ 188,217	\$ 198,116	\$ 208,634	\$ 219,815
<i>Info: # of Months of Cash Operating Expenses</i>	20 Months	18 Months	18 Months	5 Months	3 Months	3 Months	2 Months	2 Months	2 Months	2 Months	2 Months
Capital Improvement Reserve - Part of Water Fund											
Beginning Balance	\$ 528,480	\$ 617,859	\$ 268,931	\$ 8,255	\$ 7,877,511	\$ 1,712,413	\$ 32,373	\$ 1,876,315	\$ 52,525	\$ 233,661	\$ 487,987
plus: Capital Improvement Reserve Contribution	104,094	104,094	104,094	104,094	104,094	104,094	104,094	104,094	104,094	104,094	104,094
plus: Transfers from Operating Fund	-	-	100,000	650,000	-	-	30,846	39,241	106,065	178,921	256,620
plus: Capital Grants / Contributions	-	280,000	-	-	-	-	-	-	-	-	-
plus: Revenue Bond Proceeds	-	-	-	9,900,000	-	-	3,600,000	-	-	-	-
plus: Interest Earnings	5,285	6,179	2,689	83	78,775	17,124	324	18,763	525	2,337	4,880
Total Funding Sources	\$ 637,859	\$ 1,008,131	\$ 475,715	\$ 10,662,431	\$ 8,060,380	\$ 1,833,631	\$ 3,767,636	\$ 2,038,413	\$ 263,210	\$ 519,013	\$ 853,580
less: Improvement Capital Expenditures	(20,000)	(739,200)	(467,460)	(2,784,921)	(6,347,966)	(1,801,259)	(1,891,322)	(1,985,888)	(29,549)	(31,027)	(32,578)
Ending Capital Improvement Reserve Balance	\$ 617,859	\$ 268,931	\$ 8,255	\$ 7,877,511	\$ 1,712,413	\$ 32,373	\$ 1,876,315	\$ 52,525	\$ 233,661	\$ 487,987	\$ 821,003
Capital Replacement Reserve - Part of Water Fund											
Beginning Balance	\$ 757,784	\$ 810,581	\$ 863,906	\$ 917,764	\$ 972,160	\$ 1,027,101	\$ 1,082,591	\$ 1,138,636	\$ 1,195,241	\$ 1,252,413	\$ 1,310,156
plus: Capital Replacement Reserve Contribution	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219	45,219
plus: Transfers from Operating Fund	-	-	-	-	-	-	-	-	-	-	-
plus: Interest Earnings	7,578	8,106	8,639	9,178	9,722	10,271	10,826	11,386	11,952	12,524	13,102
Total Funding Sources	\$ 810,581	\$ 863,906	\$ 917,764	\$ 972,160	\$ 1,027,101	\$ 1,082,591	\$ 1,138,636	\$ 1,195,241	\$ 1,252,413	\$ 1,310,156	\$ 1,368,476
less: Capital Expenditures Not Funded With SDC Monies	-	-	-	-	-	-	-	-	-	-	-
Ending Capital Replacement Reserve Balance	\$ 810,581	\$ 863,906	\$ 917,764	\$ 972,160	\$ 1,027,101	\$ 1,082,591	\$ 1,138,636	\$ 1,195,241	\$ 1,252,413	\$ 1,310,156	\$ 1,368,476
<i>Minimum Target Balance</i>	\$ 803,003	\$ 848,222	\$ 893,441	\$ 938,660	\$ 983,879	\$ 1,029,098	\$ 1,074,317	\$ 1,119,536	\$ 1,164,755	\$ 1,209,974	\$ 1,255,193
SDC Fund											
Beginning Balance	\$ 1,796,710	\$ 2,172,177	\$ 2,685,733	\$ 3,236,657	\$ -	\$ -	\$ 220,058	\$ 463,168	\$ 731,248	\$ 1,505,551	\$ 2,337,862
plus: SDC Revenue Toward Capital	357,500	491,834	524,066	558,410	595,005	633,998	675,547	719,818	766,991	817,255	870,813
plus: Interest Earnings	17,967	21,722	26,857	32,367	-	-	2,201	4,632	7,312	15,056	23,379
Total Funding Sources	\$ 2,172,177	\$ 2,685,733	\$ 3,236,657	\$ 3,827,433	\$ 595,005	\$ 633,998	\$ 897,805	\$ 1,187,618	\$ 1,505,551	\$ 2,337,862	\$ 3,232,054
less: SDC Eligible Capital Expenditures	-	-	-	(3,827,433)	(595,005)	(413,941)	(434,638)	(456,370)	-	-	-
Ending SDC Fund Balance	\$ 2,172,177	\$ 2,685,733	\$ 3,236,657	\$ -	\$ -	\$ 220,058	\$ 463,168	\$ 731,248	\$ 1,505,551	\$ 2,337,862	\$ 3,232,054
Debt Reserve Fund											
Beginning Balance	\$ -	\$ -	\$ -	\$ -	\$ 574,994	\$ 574,994	\$ 574,994	\$ 784,083	\$ 784,083	\$ 784,083	\$ 784,083
plus: Reserve Funding from New Debt	-	-	-	574,994	-	-	209,089	-	-	-	-
less: Use of Reserves for Debt Service	-	-	-	-	-	-	-	-	-	-	-
Ending Balance	\$ -	\$ -	\$ -	\$ 574,994	\$ 574,994	\$ 574,994	\$ 784,083	\$ 784,083	\$ 784,083	\$ 784,083	\$ 784,083
SUMMARY											
Combined Beginning Balance	\$ 4,015,842	\$ 4,735,895	\$ 5,059,860	\$ 5,485,882	\$ 9,817,002	\$ 3,553,733	\$ 2,148,680	\$ 4,442,541	\$ 2,951,315	\$ 3,973,824	\$ 5,128,721
Plus: Inflows	694,834	1,017,946	948,264	11,548,255	634,484	764,927	4,605,447	945,053	1,112,905	1,319,626	1,540,688
Less: Outflows	(20,000)	(739,200)	(567,460)	(7,262,354)	(6,942,972)	(2,215,199)	(2,356,805)	(2,481,499)	(135,615)	(209,948)	(289,198)
Combined Ending Balance	\$ 4,690,676	\$ 5,014,641	\$ 5,440,663	\$ 9,771,783	\$ 3,508,514	\$ 2,103,461	\$ 4,397,322	\$ 2,906,096	\$ 3,928,605	\$ 5,083,502	\$ 6,380,212
Net Change in Reserves	\$ 674,834	\$ 278,746	\$ 380,804	\$ 4,285,901	\$ (6,308,488)	\$ (1,450,273)	\$ 2,248,642	\$ (1,536,445)	\$ 977,291	\$ 1,109,678	\$ 1,251,491
TOTAL AVAILABLE CASH TEST: DAYS OF O&M											
Operating & Capital Ending Balance	\$ 4,735,895	\$ 5,059,860	\$ 5,485,882	\$ 9,242,008	\$ 2,978,739	\$ 1,573,686	\$ 3,658,458	\$ 2,167,232	\$ 3,189,741	\$ 4,344,638	\$ 5,641,348
Ending Total Days of O&M	2,478 days	2,231 days	2,232 days	3,546 days	1,077 days	535 days	1,170 days	662 days	922 days	1,189 days	1,461 days
<i>Target: 180 Days of O&M</i>	\$ 344,015	\$ 408,320	\$ 442,468	\$ 469,078	\$ 497,886	\$ 529,268	\$ 562,632	\$ 589,402	\$ 622,420	\$ 657,552	\$ 694,950

City of Sisters
Utility Rate Study: Water Model
FY 2022 Price Out

Rates	Bill Code	FY22		Revenue		
		Fixed	Volume	Fixed	Volume	Total
City Accounts - 3/4"						
CTY	100-CTY	\$ -	\$ -	\$ -	\$ -	\$ -
SLI	100-CTY	\$ -	\$ -	\$ -	\$ -	\$ -
City Accounts - 1"						
BW	100-CTY	\$ -	\$ -	\$ -	\$ -	\$ -
City Accounts - 2"						
PU	100-CTY	\$ -	\$ -	\$ -	\$ -	\$ -
Inside City - 3/4" Low Income						
RCM	100-CLO	\$ 13.52	\$ 0.75	\$ 149	\$ 26	\$ 175
RES	100-CLO	\$ 13.52	\$ 0.75	\$ 649	\$ 296	\$ 944
RLO	100-CLO	\$ 13.52	\$ 0.75	\$ 2,650	\$ 1,405	\$ 4,055
Inside City - 3/4"						
IR	100-CFR	\$ 18.02	\$ 1.00	\$ 2,216	\$ 1,480	\$ 3,696
MF	100-CFR	\$ 18.02	\$ 1.00	\$ 8,217	\$ 4,725	\$ 12,942
NC	100-CFR	\$ 18.02	\$ 1.00	\$ 9,334	\$ 309	\$ 9,643
NM	100-CFR	\$ 18.02	\$ 1.00	\$ 216	\$ -	\$ 216
RAD	100-CFR	\$ 18.02	\$ 1.00	\$ 469	\$ 75	\$ 544
RCM	100-CFR	\$ 18.02	\$ 1.00	\$ 7,659	\$ 3,542	\$ 11,201
RES	100-CFR	\$ 18.02	\$ 1.00	\$ 301,817	\$ 169,195	\$ 471,012
RES	100-CFS	\$ 18.02	\$ 1.00	\$ 216	\$ -	\$ 216
RLO	100-CFR	\$ 18.02	\$ 1.00	\$ 72	\$ 34	\$ 106
SC	100-CFC	\$ 18.02	\$ 1.00	\$ 36	\$ 16	\$ 52
SC	100-CFR	\$ 18.02	\$ 1.00	\$ 17,263	\$ 14,101	\$ 31,364
SCM	100-CFR	\$ 18.02	\$ 1.00	\$ 613	\$ 366	\$ 979
SLI	100-CFR	\$ 18.02	\$ 1.00	\$ 3,748	\$ 2,535	\$ 6,283
VL	100-CFR	\$ 18.02	\$ 1.00	\$ 216	\$ -	\$ 216
Inside City - 1"						
IR	100-1CC	\$ 20.21	\$ 1.00	\$ 243	\$ -	\$ 243
IR	100-1CR	\$ 20.21	\$ 1.00	\$ 5,841	\$ 13,325	\$ 19,165
LC	100-1CR	\$ 20.21	\$ 1.00	\$ 525	\$ 59	\$ 584
MF	100-1CR	\$ 20.21	\$ 1.00	\$ 4,608	\$ 1,549	\$ 6,157
NC	100-1CR	\$ 20.21	\$ 1.00	\$ 525	\$ 55	\$ 580
RES	100-1CC	\$ 20.21	\$ 1.00	\$ 485	\$ 312	\$ 797
RES	100-1CR	\$ 20.21	\$ 1.00	\$ 27,728	\$ 16,671	\$ 44,400
SC	100-1CR	\$ 20.21	\$ 1.00	\$ 16,572	\$ 20,335	\$ 36,907
SCM	100-1CR	\$ 20.21	\$ 1.00	\$ 243	\$ 72	\$ 315
SLI	100-1CR	\$ 20.21	\$ 1.00	\$ 3,173	\$ 3,559	\$ 6,732
Inside City - 1-1/2"						
CTY	100-15	\$ 20.21	\$ 1.00	\$ 40	\$ 4	\$ 44
IR	100-15	\$ 20.21	\$ 1.00	\$ 3,618	\$ 9,230	\$ 12,848
MF	100-15	\$ 20.21	\$ 1.00	\$ 8,246	\$ 1,653	\$ 9,899
NC	100-15	\$ 20.21	\$ 1.00	\$ 243	\$ 855	\$ 1,098
SC	100-15	\$ 20.21	\$ 1.00	\$ 3,456	\$ 7,189	\$ 10,644
SLI	100-15	\$ 20.21	\$ 1.00	\$ 243	\$ 2,169	\$ 2,412
Inside City - 2" Low Income						
ENT	100-2LO	\$ 16.79	\$ 0.75	\$ 201	\$ 1,346	\$ 1,547
Inside City - 2"						
IR	100-2CR	\$ 22.39	\$ 1.00	\$ 1,075	\$ 16,248	\$ 17,323
LC	100-2CR	\$ 22.39	\$ 1.00	\$ 6,359	\$ 27,612	\$ 33,971
LLI	100-2CR	\$ 22.39	\$ 1.00	\$ 806	\$ 657	\$ 1,463
MF	100-2CR	\$ 22.39	\$ 1.00	\$ 43,257	\$ 10,848	\$ 54,106
SC	100-2CR	\$ 22.39	\$ 1.00	\$ 537	\$ 2,610	\$ 3,147
Inside City - 3"						
IR	100-3CR	\$ 54.61	\$ 1.00	\$ 1,311	\$ 298	\$ 1,609
LC	100-3CR	\$ 54.61	\$ 1.00	\$ 3,277	\$ 5,559	\$ 8,835
MF	100-3CR	\$ 54.61	\$ 1.00	\$ 55,047	\$ 3,740	\$ 58,787
Outside City - 3/4"						
RES	100-FRO	\$ 27.03	\$ 1.50	\$ 973	\$ 2,633	\$ 3,606
Outside City - 1"						
RES	100-1FR	\$ 30.32	\$ 1.50	\$ 364	\$ 123	\$ 487
Outside City - 3"						
RES	100-3FR	\$ 81.92	\$ 1.50	\$ 983	\$ 504	\$ 1,487
				\$ 545,518	\$ 347,319	\$ 892,837
						\$ 889,921
						-0.33%

Revenue Splits: Fixed 61.10% Volume 38.90%

City of Sisters
Utility Rate Study: Water Model
 Customer Forecast

Account Growth											
Usage Growth	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Customer Growth	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%

Accounts	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
City Accounts - 3/4"												
3/4" CI CTY	34	35	35	36	37	38	39	40	41	42	43	44
3/4" CI SLI	0	0	0	0	0	0	0	0	0	0	0	0
City Accounts - 1"												
1" CI BW	4	4	4	4	4	4	4	4	5	5	5	5
City Accounts - 2"												
2" CI PU	12	12	12	13	13	13	14	14	14	15	15	16
Inside City - 3/4" Low Income												
3/4" LO RCM	1	1	1	1	1	1	1	1	1	1	1	1
3/4" LO RES	4	4	4	4	4	5	5	5	5	5	5	5
3/4" LO RLO	16	17	17	18	18	18	19	19	20	20	21	21
Inside City - 3/4"												
3/4" REG IR	10	10	11	11	11	12	12	12	12	13	13	13
3/4" REG MF	7	7	7	8	8	8	8	8	8	9	9	9
3/4" REG NC	43	44	45	46	47	49	50	51	52	54	55	56
3/4" REG NM	1	1	1	1	1	1	1	1	1	1	1	1
3/4" REG RAD	2	2	2	2	2	2	2	3	3	3	3	3
3/4" REG RCM	35	36	37	38	39	40	41	42	43	44	45	46
3/4" REG RES	1,391	1,425	1,460	1,496	1,533	1,571	1,609	1,649	1,689	1,731	1,773	1,817
3/4" REG RES	1	1	1	1	1	1	1	1	1	1	1	1
3/4" REG RLO	0	0	0	0	0	0	0	0	0	0	0	0
3/4" REG SC	0	0	0	0	0	0	0	0	0	0	0	0
3/4" REG SC	80	82	84	86	88	90	92	94	97	99	101	104
3/4" REG SCM	3	3	3	3	3	3	3	3	3	4	4	4
3/4" REG SLI	17	18	18	19	19	20	20	20	21	21	22	23
3/4" REG VL	1	1	1	1	1	1	1	1	1	1	1	1
Inside City - 1"												
1" REG IR	1	1	1	1	1	1	1	1	1	1	1	1
1" REG IR	24	25	25	26	26	27	28	28	29	30	31	31
1" REG LC	2	2	2	2	2	2	2	3	3	3	3	3
1" REG MF	10	10	11	11	11	11	12	12	12	13	13	13
1" REG NC	2	2	2	2	2	2	2	3	3	3	3	3
1" REG RES	2	2	2	2	2	2	2	2	2	2	3	3
1" REG RES	114	117	120	123	126	129	132	135	138	142	145	149
1" REG SC	68	70	71	73	75	77	79	81	83	85	87	89
1" REG SCM	1	1	1	1	1	1	1	1	1	1	1	1
1" REG SLI	13	13	14	14	14	15	15	15	16	16	17	17
Inside City - 1-1/2"												
1-1/2" REG CTY	0	0	0	0	0	0	0	0	0	0	0	0
1-1/2" REG IR	15	15	16	16	16	17	17	18	18	18	19	19
1-1/2" REG MF	5	5	5	6	6	6	6	6	6	7	7	7
1-1/2" REG NC	1	1	1	1	1	1	1	1	1	1	1	1
1-1/2" REG SC	14	15	15	15	16	16	16	17	17	18	18	19
1-1/2" REG SLI	1	1	1	1	1	1	1	1	1	1	1	1
Inside City - 2" Low Income												
2" LO ENT	1	1	1	1	1	1	1	1	1	1	1	1
Inside City - 2"												
2" REG IR	4	4	4	4	4	5	5	5	5	5	5	5
2" REG LC	24	24	25	25	26	27	27	28	29	29	30	31
2" REG LLI	3	3	3	3	3	3	3	4	4	4	4	4
2" REG MF	11	11	11	12	12	12	12	13	13	13	14	14
2" REG SC	2	2	2	2	2	2	2	2	2	2	3	3
Inside City - 3"												
3" REG IR	2	2	2	2	2	2	2	2	2	2	3	3
3" REG LC	5	5	5	5	5	6	6	6	6	6	6	7
3" REG MF	3	3	3	3	3	3	3	3	3	3	3	4
Outside City - 3/4"												
3/4" O RES	3	3	3	3	3	3	3	4	4	4	4	4
Outside City - 1"												
1" O RES	1	1	1	1	1	1	1	1	1	1	1	1
Outside City - 3"												
3" O RES	1	1	1	1	1	1	1	1	1	1	1	1
Total	1,996	2,045	2,095	2,146	2,199	2,253	2,308	2,365	2,423	2,482	2,543	2,606
Inside City	1,919	1,966	2,014	2,064	2,114	2,166	2,220	2,274	2,330	2,387	2,446	2,506
Low-Income	22	23	23	24	24	25	26	26	27	28	28	29
Outside City	5	5	5	5	5	6	6	6	6	6	6	7
City Accounts	49	51	52	53	54	56	57	59	60	61	63	65

City of Sisters
Utility Rate Study: Water Model
 Customer Forecast

Units		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
City Accounts - 3/4"													
3/4" CI	CTY	34	35	35	36	37	38	39	40	41	42	43	44
3/4" CI	SLI	0	0	0	0	0	0	0	0	0	0	0	0
City Accounts - 1"													
1" CI	BW	4	4	4	4	4	4	4	4	5	5	5	5
City Accounts - 2"													
2" CI	PU	12	12	12	13	13	13	14	14	14	15	15	16
Inside City - 3/4" Low Income													
3/4" LO	RCM	1	1	1	1	1	1	1	1	1	1	1	1
3/4" LO	RES	4	4	4	4	4	5	5	5	5	5	5	5
3/4" LO	RLO	16	17	17	18	18	18	19	19	20	20	21	21
Inside City - 3/4"													
3/4" REG	IR	10	10	11	11	11	12	12	12	12	13	13	13
3/4" REG	MF	38	39	40	41	42	43	44	45	46	47	48	49
3/4" REG	NC	43	44	45	46	47	49	50	51	52	54	55	56
3/4" REG	NM	1	1	1	1	1	1	1	1	1	1	1	1
3/4" REG	RAD	2	2	2	2	2	2	2	3	3	3	3	3
3/4" REG	RCM	35	36	37	38	39	40	41	42	43	44	45	46
3/4" REG	RES	1,391	1,425	1,460	1,496	1,533	1,571	1,609	1,649	1,689	1,731	1,773	1,817
3/4" REG	RES	1	1	1	1	1	1	1	1	1	1	1	1
3/4" REG	RLO	0	0	0	0	0	0	0	0	0	0	0	0
3/4" REG	SC	0	0	0	0	0	0	0	0	0	0	0	0
3/4" REG	SC	80	82	84	86	88	90	92	94	97	99	101	104
3/4" REG	SCM	3	3	3	3	3	3	3	3	3	4	4	4
3/4" REG	SLI	17	18	18	19	19	20	20	20	21	21	22	23
3/4" REG	VL	1	1	1	1	1	1	1	1	1	1	1	1
Inside City - 1"													
1" REG	IR	1	1	1	1	1	1	1	1	1	1	1	1
1" REG	IR	24	25	25	26	26	27	28	28	29	30	31	31
1" REG	LC	2	2	2	2	2	2	2	3	3	3	3	3
1" REG	MF	19	19	20	20	21	21	22	22	23	24	24	25
1" REG	NC	2	2	2	2	2	2	2	3	3	3	3	3
1" REG	RES	2	2	2	2	2	2	2	2	2	2	3	3
1" REG	RES	114	117	120	123	126	129	132	135	138	142	145	149
1" REG	SC	68	70	71	73	75	77	79	81	83	85	87	89
1" REG	SCM	1	1	1	1	1	1	1	1	1	1	1	1
1" REG	SLI	13	13	14	14	14	15	15	15	16	16	17	17
Inside City - 1-1/2"													
1-1/2" REG	CTY	0	0	0	0	0	0	0	0	0	0	0	0
1-1/2" REG	IR	15	15	16	16	16	17	17	18	18	18	19	19
1-1/2" REG	MF	34	35	36	36	37	38	39	40	41	42	43	44
1-1/2" REG	NC	1	1	1	1	1	1	1	1	1	1	1	1
1-1/2" REG	SC	14	15	15	15	16	16	16	17	17	18	18	19
1-1/2" REG	SLI	1	1	1	1	1	1	1	1	1	1	1	1
Inside City - 2" Low Income													
2" LO	ENT	1	1	1	1	1	1	1	1	1	1	1	1
Inside City - 2"													
2" REG	IR	4	4	4	4	4	5	5	5	5	5	5	5
2" REG	LC	24	24	25	25	26	27	28	29	29	30	30	31
2" REG	LLI	3	3	3	3	3	3	3	4	4	4	4	4
2" REG	MF	160	164	168	173	177	181	186	190	195	200	205	210
2" REG	SC	2	2	2	2	2	2	2	2	2	2	3	3
Inside City - 3"													
3" REG	IR	2	2	2	2	2	2	2	2	2	2	3	3
3" REG	LC	5	5	5	5	5	6	6	6	6	6	6	7
3" REG	MF	84	86	88	90	92	95	97	99	102	104	107	109
Outside City - 3/4"													
3/4" O	RES	3	3	3	3	3	3	3	4	4	4	4	4
Outside City - 1"													
1" O	RES	1	1	1	1	1	1	1	1	1	1	1	1
Outside City - 3"													
3" O	RES	1	1	1	1	1	1	1	1	1	1	1	1
Total		2,295	2,351	2,409	2,468	2,529	2,591	2,654	2,719	2,786	2,855	2,925	2,996
Inside City		2,218	2,273	2,328	2,386	2,444	2,504	2,566	2,629	2,693	2,759	2,827	2,896
Low-Income		22	23	23	24	24	25	26	26	27	28	28	29
Outside City		5	5	5	5	5	6	6	6	6	6	6	7
City Accounts		49	51	52	53	54	56	57	59	60	61	63	65

City of Sisters
Utility Rate Study: Water Model
Customer Forecast

Equivalent Residential Units (ERUs)		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
City Accounts - 3/4"														
3/4"	CI	CTY	34	35	35	36	37	38	39	40	41	42	43	44
3/4"	CI	SLI	0	0	0	0	0	0	0	0	0	0	0	
City Accounts - 1"														
1"	CI	BW	6	6	7	7	7	7	7	8	8	8	8	
City Accounts - 2"														
2"	CI	PU	63	65	66	68	70	72	73	75	77	79	81	83
Inside City - 3/4" Low Income														
3/4"	LO	RCM	1	1	1	1	1	1	1	1	1	1	1	
3/4"	LO	RES	4	4	4	4	4	5	5	5	5	5	5	
3/4"	LO	RLO	16	17	17	18	18	18	19	19	20	21	21	
Inside City - 3/4"														
3/4"	REG	IR	10	10	11	11	11	12	12	12	12	13	13	13
3/4"	REG	MF	38	39	40	41	42	43	44	45	46	47	48	49
3/4"	REG	NC	43	44	45	46	47	49	50	51	52	54	55	56
3/4"	REG	NM	1	1	1	1	1	1	1	1	1	1	1	
3/4"	REG	RAD	2	2	2	2	2	2	3	3	3	3	3	
3/4"	REG	RCM	35	36	37	38	39	40	41	42	43	44	45	46
3/4"	REG	RES	1,391	1,425	1,460	1,496	1,533	1,571	1,609	1,649	1,689	1,731	1,773	1,817
3/4"	REG	RES	1	1	1	1	1	1	1	1	1	1	1	
3/4"	REG	RLO	0	0	0	0	0	0	0	0	0	0	0	
3/4"	REG	SC	0	0	0	0	0	0	0	0	0	0	0	
3/4"	REG	SC	80	82	84	86	88	90	92	94	97	99	101	104
3/4"	REG	SCM	3	3	3	3	3	3	3	3	4	4	4	
3/4"	REG	SLI	17	18	18	19	19	20	20	21	21	22	23	
3/4"	REG	VL	1	1	1	1	1	1	1	1	1	1	1	
Inside City - 1"														
1"	REG	IR	2	2	2	2	2	2	2	2	2	2	2	
1"	REG	IR	40	41	42	43	44	45	46	47	49	50	51	52
1"	REG	LC	4	4	4	4	4	4	4	4	4	4	5	5
1"	REG	MF	19	19	20	20	21	21	22	22	23	24	24	25
1"	REG	NC	4	4	4	4	4	4	4	4	4	4	5	5
1"	REG	RES	3	3	3	4	4	4	4	4	4	4	4	
1"	REG	RES	190	195	199	204	209	214	220	225	231	236	242	248
1"	REG	SC	114	116	119	122	125	128	131	135	138	141	145	148
1"	REG	SCM	2	2	2	2	2	2	2	2	2	2	2	
1"	REG	SLI	22	22	23	23	24	25	25	26	26	27	28	28
Inside City - 1-1/2"														
1-1/2"	REG	CTY	1	1	1	1	1	1	1	1	1	1	1	
1-1/2"	REG	IR	50	51	52	53	55	56	57	59	60	62	63	65
1-1/2"	REG	MF	34	35	36	36	37	38	39	40	41	42	43	44
1-1/2"	REG	NC	3	3	3	4	4	4	4	4	4	4	4	
1-1/2"	REG	SC	47	49	50	51	52	53	55	56	57	59	60	62
1-1/2"	REG	SLI	3	3	3	4	4	4	4	4	4	4	4	
Inside City - 2" Low Income														
2"	LO	ENT	5	5	6	6	6	6	6	6	6	7	7	7
Inside City - 2"														
2"	REG	IR	21	22	22	23	23	24	25	25	26	26	27	28
2"	REG	LC	126	129	132	135	139	142	146	149	153	157	160	164
2"	REG	LLI	16	16	17	17	18	18	19	19	20	20	21	
2"	REG	MF	160	164	168	173	177	181	186	190	195	200	205	210
2"	REG	SC	11	11	11	11	12	12	12	13	13	13	14	14
Inside City - 3"														
3"	REG	IR	21	22	22	23	23	24	25	25	26	26	27	28
3"	REG	LC	53	54	56	57	59	60	61	63	65	66	68	69
3"	REG	MF	84	86	88	90	92	95	97	99	102	104	107	109
Outside City - 3/4"														
3/4"	O	RES	3	3	3	3	3	3	4	4	4	4	4	
Outside City - 1"														
1"	O	RES	2	2	2	2	2	2	2	2	2	2	2	
Outside City - 3"														
3"	O	RES	11	11	11	11	12	12	12	13	13	13	14	14
Total			2,796	2,865	2,935	3,007	3,081	3,157	3,234	3,314	3,395	3,479	3,564	3,651
Inside City			2,651	2,716	2,783	2,851	2,921	2,993	3,066	3,142	3,219	3,298	3,379	3,462
Low-Income			26	27	28	28	29	30	31	31	32	33	34	35
Outside City			15	16	16	16	17	17	18	18	19	19	20	
City Accounts			103	106	109	111	114	117	120	123	126	129	132	135

City of Sisters
Utility Rate Study: Water Model
 Customer Forecast

	Billed Volume (ccf)	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
	City Accounts - 3/4"												
CI	CTY	5,603 ccf	5,740 ccf	5,881 ccf	6,026 ccf	6,174 ccf	6,325 ccf	6,480 ccf	6,639 ccf	6,802 ccf	6,970 ccf	7,141 ccf	7,316 ccf
CI	SLI	85 ccf	87 ccf	89 ccf	91 ccf	93 ccf	96 ccf	98 ccf	100 ccf	103 ccf	105 ccf	108 ccf	111 ccf
	City Accounts - 1"												
CI	BW	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf
	City Accounts - 2"												
CI	PU	4,347 ccf	4,453 ccf	4,563 ccf	4,675 ccf	4,790 ccf	4,907 ccf	5,028 ccf	5,151 ccf	5,278 ccf	5,407 ccf	5,540 ccf	5,676 ccf
	Inside City - 3/4" Low Income												
LO	RCM	35 ccf	36 ccf	37 ccf	38 ccf	38 ccf	39 ccf	40 ccf	41 ccf	42 ccf	43 ccf	44 ccf	46 ccf
LO	RES	393 ccf	402 ccf	412 ccf	422 ccf	433 ccf	443 ccf	454 ccf	465 ccf	477 ccf	489 ccf	501 ccf	513 ccf
LO	RLO	1,867 ccf	1,913 ccf	1,960 ccf	2,008 ccf	2,057 ccf	2,108 ccf	2,159 ccf	2,212 ccf	2,267 ccf	2,322 ccf	2,379 ccf	2,438 ccf
	Inside City - 3/4"												
REG	IR	1,475 ccf	1,511 ccf	1,548 ccf	1,587 ccf	1,625 ccf	1,665 ccf	1,706 ccf	1,748 ccf	1,791 ccf	1,835 ccf	1,880 ccf	1,926 ccf
REG	MF	4,710 ccf	4,825 ccf	4,944 ccf	5,065 ccf	5,190 ccf	5,317 ccf	5,448 ccf	5,581 ccf	5,718 ccf	5,859 ccf	6,003 ccf	6,150 ccf
REG	NC	308 ccf	316 ccf	323 ccf	331 ccf	339 ccf	348 ccf	356 ccf	365 ccf	374 ccf	383 ccf	393 ccf	402 ccf
REG	NM	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf
REG	RAD	75 ccf	77 ccf	78 ccf	80 ccf	82 ccf	84 ccf	86 ccf	89 ccf	91 ccf	93 ccf	95 ccf	98 ccf
REG	RCM	3,530 ccf	3,617 ccf	3,706 ccf	3,797 ccf	3,890 ccf	3,986 ccf	4,083 ccf	4,184 ccf	4,286 ccf	4,392 ccf	4,500 ccf	4,610 ccf
REG	RES	168,643 ccf	172,783 ccf	177,025 ccf	181,372 ccf	185,825 ccf	190,387 ccf	195,062 ccf	199,851 ccf	204,757 ccf	209,785 ccf	214,935 ccf	220,212 ccf
REG	RES	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf
REG	RLO	34 ccf	35 ccf	36 ccf	36 ccf	37 ccf	38 ccf	39 ccf	40 ccf	41 ccf	42 ccf	43 ccf	44 ccf
REG	SC	16 ccf	16 ccf	17 ccf	17 ccf	18 ccf	18 ccf	19 ccf	19 ccf	20 ccf	20 ccf	21 ccf	21 ccf
REG	SC	14,055 ccf	14,400 ccf	14,753 ccf	15,116 ccf	15,487 ccf	15,867 ccf	16,256 ccf	16,656 ccf	17,065 ccf	17,484 ccf	17,913 ccf	18,353 ccf
REG	SCM	365 ccf	374 ccf	383 ccf	392 ccf	402 ccf	412 ccf	422 ccf	432 ccf	443 ccf	454 ccf	465 ccf	476 ccf
REG	SLI	2,527 ccf	2,589 ccf	2,652 ccf	2,717 ccf	2,784 ccf	2,853 ccf	2,923 ccf	2,994 ccf	3,068 ccf	3,143 ccf	3,220 ccf	3,299 ccf
REG	VL	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf
	Inside City - 1"												
REG	IR	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf
REG	IR	13,281 ccf	13,607 ccf	13,941 ccf	14,283 ccf	14,634 ccf	14,993 ccf	15,362 ccf	15,739 ccf	16,125 ccf	16,521 ccf	16,927 ccf	17,342 ccf
REG	LC	59 ccf	60 ccf	62 ccf	63 ccf	65 ccf	66 ccf	68 ccf	70 ccf	71 ccf	73 ccf	75 ccf	77 ccf
REG	MF	1,544 ccf	1,582 ccf	1,621 ccf	1,660 ccf	1,701 ccf	1,743 ccf	1,786 ccf	1,830 ccf	1,875 ccf	1,921 ccf	1,968 ccf	2,016 ccf
REG	NC	55 ccf	56 ccf	58 ccf	59 ccf	60 ccf	62 ccf	63 ccf	65 ccf	67 ccf	68 ccf	70 ccf	72 ccf
REG	RES	311 ccf	319 ccf	326 ccf	334 ccf	343 ccf	351 ccf	360 ccf	369 ccf	378 ccf	387 ccf	396 ccf	406 ccf
REG	RES	16,617 ccf	17,025 ccf	17,443 ccf	17,871 ccf	18,310 ccf	18,759 ccf	19,220 ccf	19,692 ccf	20,175 ccf	20,671 ccf	21,178 ccf	21,698 ccf
REG	SC	20,268 ccf	20,766 ccf	21,276 ccf	21,798 ccf	22,333 ccf	22,882 ccf	23,444 ccf	24,019 ccf	24,609 ccf	25,213 ccf	25,832 ccf	26,466 ccf
REG	SCM	72 ccf	74 ccf	75 ccf	77 ccf	79 ccf	81 ccf	83 ccf	85 ccf	87 ccf	89 ccf	91 ccf	94 ccf
REG	SLI	3,547 ccf	3,634 ccf	3,724 ccf	3,815 ccf	3,909 ccf	4,005 ccf	4,103 ccf	4,204 ccf	4,307 ccf	4,413 ccf	4,521 ccf	4,632 ccf
	Inside City - 1-1/2"												
REG	CTY	4 ccf	4 ccf	4 ccf	4 ccf	4 ccf	5 ccf	5 ccf	5 ccf	5 ccf	5 ccf	5 ccf	5 ccf
REG	IR	9,200 ccf	9,426 ccf	9,657 ccf	9,894 ccf	10,137 ccf	10,386 ccf	10,641 ccf	10,902 ccf	11,170 ccf	11,444 ccf	11,725 ccf	12,013 ccf
REG	MF	1,648 ccf	1,688 ccf	1,730 ccf	1,772 ccf	1,816 ccf	1,860 ccf	1,906 ccf	1,953 ccf	2,001 ccf	2,050 ccf	2,100 ccf	2,152 ccf
REG	NC	852 ccf	873 ccf	895 ccf	917 ccf	939 ccf	962 ccf	986 ccf	1,010 ccf	1,035 ccf	1,060 ccf	1,086 ccf	1,113 ccf
REG	RES	7,165 ccf	7,341 ccf	7,521 ccf	7,706 ccf	7,895 ccf	8,089 ccf	8,287 ccf	8,491 ccf	8,699 ccf	8,913 ccf	9,132 ccf	9,356 ccf
REG	SLI	2,162 ccf	2,215 ccf	2,269 ccf	2,325 ccf	2,382 ccf	2,441 ccf	2,501 ccf	2,562 ccf	2,625 ccf	2,689 ccf	2,755 ccf	2,823 ccf
	Inside City - 2" Low Income												
LO	ENT	1,788 ccf	1,832 ccf	1,877 ccf	1,923 ccf	1,970 ccf	2,019 ccf	2,068 ccf	2,119 ccf	2,171 ccf	2,224 ccf	2,279 ccf	2,335 ccf
	Inside City - 2"												
REG	IR	16,195 ccf	16,593 ccf	17,000 ccf	17,417 ccf	17,845 ccf	18,283 ccf	18,732 ccf	19,192 ccf	19,663 ccf	20,146 ccf	20,640 ccf	21,147 ccf
REG	LC	27,522 ccf	28,198 ccf	28,890 ccf	29,599 ccf	30,326 ccf	31,070 ccf	31,833 ccf	32,615 ccf	33,416 ccf	34,236 ccf	35,077 ccf	35,938 ccf
REG	LLI	655 ccf	671 ccf	687 ccf	704 ccf	722 ccf	739 ccf	757 ccf	776 ccf	795 ccf	815 ccf	835 ccf	855 ccf
REG	MF	10,813 ccf	11,078 ccf	11,350 ccf	11,629 ccf	11,915 ccf	12,207 ccf	12,507 ccf	12,814 ccf	13,129 ccf	13,451 ccf	13,781 ccf	14,120 ccf
REG	SC	2,601 ccf	2,665 ccf	2,731 ccf	2,798 ccf	2,867 ccf	2,937 ccf	3,009 ccf	3,083 ccf	3,159 ccf	3,236 ccf	3,316 ccf	3,397 ccf
	Inside City - 3"												
REG	IR	297 ccf	305 ccf	312 ccf	320 ccf	328 ccf	336 ccf	344 ccf	352 ccf	361 ccf	370 ccf	379 ccf	388 ccf
REG	LC	5,540 ccf	5,676 ccf	5,816 ccf	5,959 ccf	6,105 ccf	6,255 ccf	6,408 ccf	6,566 ccf	6,727 ccf	6,892 ccf	7,061 ccf	7,235 ccf
REG	MF	3,728 ccf	3,820 ccf	3,913 ccf	4,009 ccf	4,108 ccf	4,209 ccf	4,312 ccf	4,418 ccf	4,526 ccf	4,638 ccf	4,751 ccf	4,868 ccf
	Outside City - 3/4"												
O	RES	1,749 ccf	1,792 ccf	1,836 ccf	1,882 ccf	1,928 ccf	1,975 ccf	2,024 ccf	2,073 ccf	2,124 ccf	2,176 ccf	2,230 ccf	2,284 ccf
	Outside City - 1"												
O	RES	82 ccf	84 ccf	86 ccf	88 ccf	90 ccf	92 ccf	95 ccf	97 ccf	99 ccf	102 ccf	104 ccf	107 ccf
	Outside City - 3"												
O	RES	335 ccf	343 ccf	352 ccf	360 ccf	369 ccf	378 ccf	387 ccf	397 ccf	407 ccf	417 ccf	427 ccf	437 ccf
	Total	356,157 ccf	364,901 ccf	373,860 ccf	383,039 ccf	392,443 ccf	402,079 ccf	411,951 ccf	422,065 ccf	432,427 ccf	443,044 ccf	453,922 ccf	465,067 ccf
	Inside City	339,874 ccf	348,218 ccf	356,768 ccf	365,527 ccf	374,502 ccf	383,696 ccf	393,117 ccf	402,769 ccf	412,657 ccf	422,789 ccf	433,169 ccf	443,805 ccf
	Low-Income	4,083 ccf	4,183 ccf	4,286 ccf	4,391 ccf	4,499 ccf	4,609 ccf	4,722 ccf	4,838 ccf	4,957 ccf	5,079 ccf	5,203 ccf	5,331 ccf
	Outside City	2,166 ccf	2,219 ccf	2,274 ccf	2,330 ccf	2,387 ccf	2,445 ccf	2,505 ccf	2,567 ccf	2,630 ccf	2,695 ccf	2,761 ccf	2,828 ccf
	City Accounts	10,034 ccf	10,281 ccf	10,533 ccf	10,792 ccf	11,056 ccf	11,328 ccf	11,606 ccf	11,891 ccf	12,183 ccf	12,482 ccf	12,789 ccf	13,103 ccf

City of Sisters
Utility Rate Study: Water Model
 Customer Forecast

Base Rates	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
		4.47%	2.91%									
City Accounts - 3/4"												
CTY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SLI	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
City Accounts - 1"												
BW	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
City Accounts - 2"												
PU	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Inside City - 3/4" Low Income												
RCM	\$13.52	\$14.02	\$14.53	\$14.53	\$14.53	\$14.53	\$14.53	\$14.53	\$14.53	\$14.53	\$14.53	\$14.53
RES	\$13.52	\$14.02	\$14.53	\$14.53	\$14.53	\$14.53	\$14.53	\$14.53	\$14.53	\$14.53	\$14.53	\$14.53
RLO	\$13.52	\$14.02	\$14.53	\$14.53	\$14.53	\$14.53	\$14.53	\$14.53	\$14.53	\$14.53	\$14.53	\$14.53
Inside City - 3/4"												
IR	\$18.02	\$18.69	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37
MF	\$18.02	\$18.69	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37
NC	\$18.02	\$18.69	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37
NM	\$18.02	\$18.69	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37
RAD	\$18.02	\$18.69	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37
RCM	\$18.02	\$18.69	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37
RES	\$18.02	\$18.69	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37
RES	\$18.02	\$18.69	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37
RLO	\$18.02	\$18.69	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37
SC	\$18.02	\$18.69	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37
SC	\$18.02	\$18.69	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37
SCM	\$18.02	\$18.69	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37
SLI	\$18.02	\$18.69	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37
VL	\$18.02	\$18.69	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37	\$19.37
Inside City - 1"												
IR	\$20.21	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72
IR	\$20.21	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72
LC	\$20.21	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72
MF	\$20.21	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72
NC	\$20.21	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72
RES	\$20.21	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72
RES	\$20.21	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72
SC	\$20.21	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72
SCM	\$20.21	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72
SLI	\$20.21	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72
Inside City - 1-1/2"												
CTY	\$20.21	\$20.96	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72
IR	\$20.21	\$20.96	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72
MF	\$20.21	\$20.96	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72
NC	\$20.21	\$20.96	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72
SC	\$20.21	\$20.96	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72
SLI	\$20.21	\$20.96	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72	\$21.72
Inside City - 2" Low Income												
ENT	\$16.79	\$17.42	\$18.05	\$18.05	\$18.05	\$18.05	\$18.05	\$18.05	\$18.05	\$18.05	\$18.05	\$18.05
Inside City - 2"												
IR	\$22.39	\$23.22	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07
LC	\$22.39	\$23.22	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07
LLI	\$22.39	\$23.22	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07
MF	\$22.39	\$23.22	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07
SC	\$22.39	\$23.22	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07	\$24.07
Inside City - 3"												
IR	\$54.61	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70
LC	\$54.61	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70
MF	\$54.61	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70	\$58.70
Outside City - 3/4"												
RES	\$27.03	\$28.04	\$29.06	\$29.06	\$29.06	\$29.06	\$29.06	\$29.06	\$29.06	\$29.06	\$29.06	\$29.06
Outside City - 1"												
RES	\$30.32	\$31.44	\$32.58	\$32.58	\$32.58	\$32.58	\$32.58	\$32.58	\$32.58	\$32.58	\$32.58	\$32.58
Outside City - 3"												
RES	\$81.92	\$84.96	\$88.05	\$88.05	\$88.05	\$88.05	\$88.05	\$88.05	\$88.05	\$88.05	\$88.05	\$88.05

City of Sisters
Utility Rate Study: Water Model
 Customer Forecast

Base Revenue	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
City Accounts - 3/4"												
CTY	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SLI	-	-	-	-	-	-	-	-	-	-	-	-
City Accounts - 1"												
BW	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
City Accounts - 2"												
PU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Inside City - 3/4" Low Income												
RCM	\$ 148	\$ 157	\$ 167	\$ 171	\$ 176	\$ 180	\$ 184	\$ 189	\$ 193	\$ 198	\$ 203	\$ 208
RES	647	687	730	748	766	785	804	824	844	865	886	908
RLO	2,641	2,806	2,980	3,053	3,128	3,205	3,283	3,364	3,446	3,531	3,618	3,707
Inside City - 3/4"												
IR	\$ 2,209	\$ 2,348	\$ 2,493	\$ 2,554	\$ 2,617	\$ 2,681	\$ 2,747	\$ 2,814	\$ 2,883	\$ 2,954	\$ 3,027	\$ 3,101
MF	8,190	8,703	9,241	9,468	9,701	9,939	10,183	10,433	10,689	10,952	11,221	11,496
NC	9,304	9,887	10,498	10,756	11,020	11,290	11,568	11,852	12,143	12,441	12,746	13,059
NM	216	229	243	249	255	262	268	275	281	288	295	303
RAD	467	496	527	540	553	567	581	595	609	624	640	655
RCM	7,633	8,112	8,613	8,825	9,041	9,263	9,491	9,724	9,963	10,207	10,458	10,714
RES	300,831	319,677	339,442	347,776	356,315	365,063	374,026	383,209	392,617	402,257	412,133	422,252
RES	216	229	243	249	255	262	268	275	281	288	295	303
RLO	72	76	81	83	85	87	89	92	94	96	98	101
SC	36	38	41	42	43	44	45	46	47	48	49	50
SC	17,207	18,285	19,415	19,892	20,380	20,881	21,393	21,919	22,457	23,008	23,573	24,152
SCM	611	649	689	706	723	741	759	778	797	817	837	857
SLI	3,736	3,970	4,215	4,319	4,425	4,534	4,645	4,759	4,876	4,995	5,118	5,244
VL	216	229	243	249	255	262	268	275	281	288	295	303
Inside City - 1"												
IR	\$ 242	\$ 266	\$ 273	\$ 279	\$ 286	\$ 293	\$ 300	\$ 308	\$ 315	\$ 323	\$ 331	\$ 339
IR	5,822	6,410	6,568	6,729	6,894	7,063	7,237	7,414	7,596	7,783	7,974	8,170
LC	524	577	591	605	620	635	651	667	683	700	717	735
MF	4,593	5,057	5,181	5,309	5,439	5,572	5,709	5,849	5,993	6,140	6,291	6,445
NC	524	577	591	605	620	635	651	667	683	700	717	735
RES	483	532	545	559	573	587	601	616	631	646	662	678
RES	27,638	30,432	31,179	31,944	32,729	33,532	34,356	35,199	36,063	36,949	37,856	38,785
SC	16,518	18,188	18,635	19,092	19,561	20,041	20,533	21,037	21,554	22,083	22,625	23,181
SCM	242	266	273	279	286	293	300	308	315	323	331	339
SLI	3,163	3,482	3,568	3,655	3,745	3,837	3,931	4,028	4,127	4,228	4,332	4,438
Inside City - 1-1/2"												
CTY	\$ 40	\$ 43	\$ 45	\$ 47	\$ 48	\$ 49	\$ 50	\$ 51	\$ 53	\$ 54	\$ 55	\$ 57
IR	3,606	3,831	4,068	4,168	4,270	4,375	4,482	4,592	4,705	4,821	4,939	5,060
MF	8,219	8,733	9,272	9,500	9,733	9,972	10,217	10,467	10,724	10,988	11,257	11,534
NC	242	257	273	279	286	293	300	308	315	323	331	339
SC	3,445	3,660	3,886	3,981	4,079	4,179	4,282	4,387	4,495	4,605	4,718	4,834
SLI	242	257	273	279	286	293	300	308	315	323	331	339
Inside City - 2" Low Income												
ENT	\$ 201	\$ 213	\$ 227	\$ 232	\$ 238	\$ 244	\$ 250	\$ 256	\$ 262	\$ 269	\$ 275	\$ 282
Inside City - 2"												
IR	\$ 1,071	\$ 1,138	\$ 1,209	\$ 1,239	\$ 1,269	\$ 1,300	\$ 1,332	\$ 1,365	\$ 1,398	\$ 1,433	\$ 1,468	\$ 1,504
LC	6,338	6,734	7,152	7,328	7,508	7,692	7,881	8,074	8,273	8,476	8,684	8,897
LLI	803	854	907	929	952	975	999	1,024	1,049	1,074	1,101	1,128
MF	43,116	45,812	48,655	49,850	51,074	52,328	53,613	54,929	56,277	57,659	59,075	60,525
SC	536	569	604	619	634	650	666	682	699	716	734	752
Inside City - 3"												
IR	\$ 1,306	\$ 1,439	\$ 1,474	\$ 1,510	\$ 1,547	\$ 1,585	\$ 1,624	\$ 1,664	\$ 1,705	\$ 1,747	\$ 1,790	\$ 1,834
LC	3,266	3,597	3,685	3,775	3,868	3,963	4,060	4,160	4,262	4,367	4,474	4,584
MF	54,867	60,424	61,908	63,428	64,985	66,581	68,215	69,890	71,606	73,364	75,165	77,011
Outside City - 3/4"												
RES	\$ 970	\$ 1,031	\$ 1,095	\$ 1,121	\$ 1,149	\$ 1,177	\$ 1,206	\$ 1,236	\$ 1,266	\$ 1,297	\$ 1,329	\$ 1,362
Outside City - 1"												
RES	\$ 363	\$ 385	\$ 409	\$ 419	\$ 429	\$ 440	\$ 451	\$ 462	\$ 473	\$ 485	\$ 497	\$ 509
Outside City - 3"												
RES	\$ 980	\$ 1,041	\$ 1,105	\$ 1,133	\$ 1,160	\$ 1,189	\$ 1,218	\$ 1,248	\$ 1,279	\$ 1,310	\$ 1,342	\$ 1,375
Total	\$ 543,736	\$ 582,385	\$ 613,511	\$ 628,574	\$ 644,007	\$ 659,818	\$ 676,018	\$ 692,616	\$ 709,621	\$ 727,044	\$ 744,894	\$ 763,183

City of Sisters
 Utility Rate Study: Water Model
 Customer Forecast

Volume Rates	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
City Accounts - 3/4"												
CTY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SLI	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
City Accounts - 1"												
BW	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
City Accounts - 2"												
PU	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Inside City - 3/4" Low Income												
RCM	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75
RES	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75
RLO	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75
Inside City - 3/4"												
IR	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
MF	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
NC	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
NM	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
RAD	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
RCM	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
RES	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
RES	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
RLO	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
SC	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
SC	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
SCM	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
SLI	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
VL	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
Inside City - 1"												
IR	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
IR	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
LC	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
MF	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
NC	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
RES	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
RES	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
SC	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
SCM	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
SLI	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
Inside City - 1-1/2"												
CTY	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
IR	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
MF	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
NC	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
SC	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
SLI	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
Inside City - 2" Low Income												
ENT	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75
Inside City - 2"												
IR	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
LC	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
LLI	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
MF	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
SC	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
Inside City - 3"												
IR	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
LC	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
MF	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
Outside City - 3/4"												
RES	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50
Outside City - 1"												
RES	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50
Outside City - 3"												
RES	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50	\$1.50

City of Sisters
Utility Rate Study: Water Model
Customer Forecast

Volume Revenue	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
City Accounts - 3/4"												
CTY	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SLI	-	-	-	-	-	-	-	-	-	-	-	-
City Accounts - 1"												
BW	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
City Accounts - 2"												
PU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Inside City - 3/4" Low Income												
RCM	\$ 26	\$ 27	\$ 27	\$ 28	\$ 29	\$ 30	\$ 30	\$ 31	\$ 32	\$ 33	\$ 33	\$ 34
RES	295	302	309	317	325	333	341	349	358	366	375	385
RLO	1,400	1,435	1,470	1,506	1,543	1,581	1,620	1,659	1,700	1,742	1,785	1,828
Inside City - 3/4"												
IR	\$ 1,475	\$ 1,511	\$ 1,548	\$ 1,587	\$ 1,625	\$ 1,665	\$ 1,706	\$ 1,748	\$ 1,791	\$ 1,835	\$ 1,880	\$ 1,926
MF	4,710	4,825	4,944	5,065	5,190	5,317	5,448	5,581	5,718	5,859	6,003	6,150
NC	308	316	323	331	339	348	356	365	374	383	393	402
NM	-	-	-	-	-	-	-	-	-	-	-	-
RAD	75	77	78	80	82	84	86	89	91	93	95	98
RCM	3,530	3,617	3,706	3,797	3,890	3,986	4,083	4,184	4,286	4,392	4,500	4,610
RES	168,643	172,783	177,025	181,372	185,825	190,387	195,062	199,851	204,757	209,785	214,935	220,212
RES	-	-	-	-	-	-	-	-	-	-	-	-
RLO	34	35	36	36	37	38	39	40	41	42	43	44
SC	16	16	17	17	18	18	18	19	19	20	20	21
SC	14,055	14,400	14,753	15,116	15,487	15,867	16,256	16,656	17,065	17,484	17,913	18,353
SCM	365	374	383	392	402	412	422	432	443	454	465	476
SLI	2,527	2,589	2,652	2,717	2,784	2,853	2,923	2,994	3,068	3,143	3,220	3,299
VL	-	-	-	-	-	-	-	-	-	-	-	-
Inside City - 1"												
IR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
IR	13,281	13,607	13,941	14,283	14,634	14,993	15,362	15,739	16,125	16,521	16,927	17,342
LC	59	60	62	63	65	66	68	70	71	73	75	77
MF	1,544	1,582	1,621	1,660	1,701	1,743	1,786	1,830	1,875	1,921	1,968	2,016
NC	55	56	58	59	60	62	63	65	67	68	70	72
RES	311	319	326	334	343	351	360	369	378	387	396	406
RES	16,617	17,025	17,443	17,871	18,310	18,759	19,220	19,692	20,175	20,671	21,178	21,698
SC	20,268	20,766	21,276	21,798	22,333	22,882	23,444	24,019	24,609	25,213	25,832	26,466
SCM	72	74	75	77	79	81	83	85	87	89	91	94
SLI	3,547	3,634	3,724	3,815	3,909	4,005	4,103	4,204	4,307	4,413	4,521	4,632
Inside City - 1-1/2"												
CTY	\$ 4	\$ 4	\$ 4	\$ 4	\$ 4	\$ 5	\$ 5	\$ 5	\$ 5	\$ 5	\$ 5	\$ 5
IR	9,200	9,426	9,657	9,894	10,137	10,386	10,641	10,902	11,170	11,444	11,725	12,013
MF	1,648	1,688	1,730	1,772	1,816	1,860	1,906	1,953	2,001	2,050	2,100	2,152
NC	852	873	895	917	939	962	986	1,010	1,035	1,060	1,086	1,113
SC	7,165	7,341	7,521	7,706	7,895	8,089	8,287	8,491	8,699	8,913	9,132	9,356
SLI	2,162	2,215	2,269	2,325	2,382	2,441	2,501	2,562	2,625	2,689	2,755	2,823
Inside City - 2" Low Income												
ENT	\$ 1,341	\$ 1,374	\$ 1,408	\$ 1,442	\$ 1,478	\$ 1,514	\$ 1,551	\$ 1,589	\$ 1,628	\$ 1,668	\$ 1,709	\$ 1,751
Inside City - 2"												
IR	\$ 16,195	\$ 16,593	\$ 17,000	\$ 17,417	\$ 17,845	\$ 18,283	\$ 18,732	\$ 19,192	\$ 19,663	\$ 20,146	\$ 20,640	\$ 21,147
LC	27,522	28,198	28,890	29,599	30,326	31,070	31,833	32,615	33,416	34,236	35,077	35,938
LLI	655	671	687	704	722	739	757	776	795	815	835	855
MF	10,813	11,078	11,350	11,629	11,915	12,207	12,507	12,814	13,129	13,451	13,781	14,120
SC	2,601	2,665	2,731	2,798	2,867	2,937	3,009	3,083	3,159	3,236	3,316	3,397
Inside City - 3"												
IR	\$ 297	\$ 305	\$ 312	\$ 320	\$ 328	\$ 336	\$ 344	\$ 352	\$ 361	\$ 370	\$ 379	\$ 388
LC	5,540	5,676	5,816	5,959	6,105	6,255	6,408	6,566	6,727	6,892	7,061	7,235
MF	3,728	3,820	3,913	4,009	4,108	4,209	4,312	4,418	4,526	4,638	4,751	4,868
Outside City - 3/4"												
RES	\$ 2,624	\$ 2,689	\$ 2,755	\$ 2,822	\$ 2,892	\$ 2,963	\$ 3,035	\$ 3,110	\$ 3,186	\$ 3,264	\$ 3,345	\$ 3,427
Outside City - 1"												
RES	\$ 123	\$ 126	\$ 129	\$ 132	\$ 135	\$ 138	\$ 142	\$ 145	\$ 149	\$ 153	\$ 156	\$ 160
Outside City - 3"												
RES	\$ 502	\$ 515	\$ 527	\$ 540	\$ 554	\$ 567	\$ 581	\$ 595	\$ 610	\$ 625	\$ 640	\$ 656
Total	\$ 346,185	\$ 354,684	\$ 363,393	\$ 372,315	\$ 381,456	\$ 390,821	\$ 400,417	\$ 410,248	\$ 420,320	\$ 430,640	\$ 441,213	\$ 452,046

City of Sisters
Utility Rate Study: Water Model
 Customer Forecast

Total Revenue Summary	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
City Accounts - 3/4"												
CTY	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SLI	-	-	-	-	-	-	-	-	-	-	-	-
City Accounts - 1"												
BW	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
City Accounts - 2"												
PU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Inside City - 3/4" Low Income												
RCM	\$ 174	\$ 184	\$ 195	\$ 199	\$ 204	\$ 209	\$ 215	\$ 220	\$ 225	\$ 231	\$ 236	\$ 242
RES	941	989	1,039	1,064	1,091	1,117	1,145	1,173	1,202	1,231	1,261	1,292
RLO	4,041	4,241	4,449	4,559	4,671	4,785	4,903	5,023	5,146	5,273	5,402	5,535
Inside City - 3/4"												
IR	\$ 3,684	\$ 3,859	\$ 4,041	\$ 4,140	\$ 4,242	\$ 4,346	\$ 4,453	\$ 4,562	\$ 4,674	\$ 4,789	\$ 4,907	\$ 5,027
MF	12,900	13,529	14,185	14,534	14,891	15,256	15,631	16,014	16,408	16,810	17,223	17,646
NC	9,612	10,202	10,821	11,087	11,359	11,638	11,924	12,217	12,517	12,824	13,139	13,461
NM	216	229	243	249	255	262	268	275	281	288	295	303
RAD	542	573	605	620	635	651	667	683	700	717	735	753
RCM	11,164	11,729	12,319	12,622	12,931	13,249	13,574	13,908	14,249	14,599	14,957	15,325
RES	469,474	492,460	516,467	529,148	542,139	555,450	569,087	583,060	597,375	612,042	627,069	642,464
RES	216	229	243	249	255	262	268	275	281	288	295	303
RLO	106	111	117	120	122	125	129	132	135	138	142	145
SC	52	55	57	59	60	62	63	65	66	68	70	71
SC	31,262	32,685	34,169	35,007	35,867	36,748	37,650	38,574	39,521	40,492	41,486	42,504
SCM	975	1,023	1,072	1,098	1,125	1,153	1,181	1,210	1,240	1,270	1,302	1,334
SLI	6,263	6,559	6,868	7,036	7,209	7,386	7,567	7,753	7,944	8,139	8,338	8,543
VL	216	229	243	249	255	262	268	275	281	288	295	303
Inside City - 1"												
IR	\$ 242	\$ 266	\$ 273	\$ 279	\$ 286	\$ 293	\$ 300	\$ 308	\$ 315	\$ 323	\$ 331	\$ 339
IR	19,103	20,017	20,509	21,012	21,528	22,057	22,598	23,153	23,722	24,304	24,901	25,512
LC	583	637	653	669	685	702	719	737	755	773	792	812
MF	6,137	6,639	6,802	6,969	7,140	7,315	7,495	7,679	7,868	8,061	8,259	8,461
NC	579	633	648	664	681	697	714	732	750	768	787	807
RES	794	851	872	893	915	938	961	984	1,008	1,033	1,059	1,085
RES	44,254	47,457	48,622	49,816	51,039	52,292	53,576	54,891	56,239	57,619	59,034	60,484
SC	36,786	38,954	39,911	40,890	41,894	42,923	43,977	45,056	46,163	47,296	48,457	49,647
SCM	313	340	348	357	365	374	383	393	403	412	423	433
SLI	6,710	7,117	7,292	7,471	7,654	7,842	8,034	8,232	8,434	8,641	8,853	9,070
Inside City - 1-1/2"												
CTY	\$ 44	\$ 47	\$ 50	\$ 51	\$ 52	\$ 53	\$ 55	\$ 56	\$ 57	\$ 59	\$ 60	\$ 62
IR	12,806	13,257	13,725	14,062	14,407	14,761	15,123	15,495	15,875	16,265	16,664	17,073
MF	9,867	10,421	11,002	11,272	11,548	11,832	12,122	12,420	12,725	13,037	13,358	13,685
NC	1,094	1,130	1,167	1,196	1,225	1,255	1,286	1,318	1,350	1,383	1,417	1,452
SC	10,610	11,001	11,407	11,687	11,974	12,268	12,569	12,878	13,194	13,518	13,850	14,190
SLI	2,404	2,472	2,542	2,604	2,668	2,734	2,801	2,870	2,940	3,012	3,086	3,162
Inside City - 2" Low Income												
ENT	\$ 1,542	\$ 1,588	\$ 1,634	\$ 1,675	\$ 1,716	\$ 1,758	\$ 1,801	\$ 1,845	\$ 1,890	\$ 1,937	\$ 1,984	\$ 2,033
Inside City - 2"												
IR	\$ 17,266	\$ 17,731	\$ 18,209	\$ 18,656	\$ 19,114	\$ 19,583	\$ 20,064	\$ 20,557	\$ 21,061	\$ 21,578	\$ 22,108	\$ 22,651
LC	33,860	34,932	36,042	36,927	37,834	38,762	39,714	40,689	41,688	42,712	43,760	44,835
LLI	1,458	1,525	1,594	1,633	1,673	1,714	1,756	1,800	1,844	1,889	1,935	1,983
MF	53,929	56,891	60,006	61,479	62,988	64,535	66,119	67,743	69,406	71,110	72,856	74,645
SC	3,137	3,234	3,335	3,417	3,501	3,587	3,675	3,765	3,858	3,952	4,049	4,149
Inside City - 3"												
IR	\$ 1,604	\$ 1,743	\$ 1,786	\$ 1,830	\$ 1,875	\$ 1,921	\$ 1,968	\$ 2,016	\$ 2,066	\$ 2,117	\$ 2,169	\$ 2,222
LC	8,806	9,273	9,501	9,734	9,973	10,218	10,469	10,726	10,989	11,259	11,535	11,819
MF	58,595	64,244	65,821	67,437	69,093	70,789	72,527	74,308	76,132	78,002	79,917	81,879
Outside City - 3/4"												
RES	\$ 3,594	\$ 3,719	\$ 3,849	\$ 3,944	\$ 4,041	\$ 4,140	\$ 4,241	\$ 4,346	\$ 4,452	\$ 4,562	\$ 4,674	\$ 4,788
Outside City - 1"												
RES	\$ 485	\$ 511	\$ 538	\$ 551	\$ 564	\$ 578	\$ 593	\$ 607	\$ 622	\$ 637	\$ 653	\$ 669
Outside City - 3"												
RES	\$ 1,482	\$ 1,556	\$ 1,633	\$ 1,673	\$ 1,714	\$ 1,756	\$ 1,799	\$ 1,843	\$ 1,889	\$ 1,935	\$ 1,982	\$ 2,031
Total	\$ 889,921	\$ 937,070	\$ 976,904	\$ 1,000,889	\$ 1,025,462	\$ 1,050,640	\$ 1,076,435	\$ 1,102,864	\$ 1,129,941	\$ 1,157,684	\$ 1,186,107	\$ 1,215,228

City of Sisters
Utility Rate Study: Water Model
Customer Forecast

Total Revenue Summary	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
City Accounts - 3/4"	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
City Accounts - 1"	-	-	-	-	-	-	-	-	-	-	-	-
City Accounts - 2"	-	-	-	-	-	-	-	-	-	-	-	-
Inside City - 3/4" Low Income	5,157	5,414	5,683	5,823	5,965	6,112	6,262	6,416	6,573	6,735	6,900	7,069
Inside City - 3/4"	546,680	573,470	601,452	616,218	631,348	646,849	662,730	679,002	695,672	712,753	730,252	748,181
Inside City - 1"	115,501	122,910	125,928	129,020	132,188	135,433	138,758	142,165	145,656	149,232	152,896	156,649
Inside City - 1-1/2"	36,824	38,328	39,893	40,872	41,876	42,904	43,957	45,036	46,142	47,275	48,436	49,625
Inside City - 2" Low Income	1,542	1,588	1,634	1,675	1,716	1,758	1,801	1,845	1,890	1,937	1,984	2,033
Inside City - 2"	109,650	114,312	119,186	122,112	125,110	128,182	131,329	134,553	137,857	141,242	144,709	148,262
Inside City - 3"	69,005	75,260	77,108	79,001	80,941	82,928	84,964	87,050	89,188	91,377	93,621	95,919
Outside City - 3/4"	3,594	3,719	3,849	3,944	4,041	4,140	4,241	4,346	4,452	4,562	4,674	4,788
Outside City - 1"	485	511	538	551	564	578	593	607	622	637	653	669
Outside City - 3"	1,482	1,556	1,633	1,673	1,714	1,756	1,799	1,843	1,889	1,935	1,982	2,031
Total	\$ 889,921	\$ 937,070	\$ 976,904	\$ 1,000,889	\$ 1,025,462	\$ 1,050,640	\$ 1,076,435	\$ 1,102,864	\$ 1,129,941	\$ 1,157,684	\$ 1,186,107	\$ 1,215,228

Fixed / Volume Share	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Fixed	\$ 543,736	\$ 582,385	\$ 613,511	\$ 628,574	\$ 644,007	\$ 659,818	\$ 676,018	\$ 692,616	\$ 709,621	\$ 727,044	\$ 744,894	\$ 763,183
Volume	346,185	354,684	363,393	372,315	381,456	390,821	400,417	410,248	420,320	430,640	441,213	452,046
Total	\$ 889,921	\$ 937,070	\$ 976,904	\$ 1,000,889	\$ 1,025,462	\$ 1,050,640	\$ 1,076,435	\$ 1,102,864	\$ 1,129,941	\$ 1,157,684	\$ 1,186,107	\$ 1,215,228
Fixed %	61.10%	62.15%	62.80%	62.80%	62.80%	62.80%	62.80%	62.80%	62.80%	62.80%	62.80%	62.80%
Volume %	38.90%	37.85%	37.20%	37.20%	37.20%	37.20%	37.20%	37.20%	37.20%	37.20%	37.20%	37.20%

City of Sisters
Utility Rate Study: Water Model
Rate Structure Analysis

2025

Revenue Requirement	
Operating Expenses	
Admin/Overhead	\$ 515,303
Direct O&M/Capital	373,517
Debt Service	-
Reserve Contributions	149,313
Additional Taxes	8,407
Total Expenses	\$1,046,540
Less: Other Revenues	(107,463)
Net Cash Flow	181,918
Net Rate Revenue Requirement	\$1,120,995

\$ 1,120,995 Check: 2025 Rate Revenue After Increases

Alternative Water Rate Structure	
Share Recovered Through Volume Charges	37.2%
Volume Charge Revenue Requirement	\$416,992
Projected Weighted Water Usage (2025)	372,315 ccf
Inside City	1.00 365,527 ccf
Low-Income	0.75 3,293 ccf
Outside City	1.50 3,494 ccf
Volume Charge per ccf	\$1.12
Base Rate Revenue Requirement	\$704,003
Percent Recovered Through Account Charges (Admin/Overhead)	50.0%
Amount Recovered Through Account Charge	\$352,298
Projected Weighted Accounts/Units (2025)	2,411
Monthly Charge per Account	\$12.17
Amount Recovered Through ERU Charge	\$351,705
Projected Weighted ERUs (2025)	2,897
Monthly Charge per ERU	\$10.12

Resulting Schedule of Base Charges		2025
Meter Size	Conversion Factor	
3/4"	1.00	\$22.29
1"	1.67	\$29.03
1-1/2"	3.33	\$45.89
2"	5.33	\$66.13
3"	10.67	\$120.08
4"	16.67	\$180.77
6"	33.33	\$349.37
8"	53.33	\$551.69

City of Sisters
Utility Rate Study: Water Model
 Rate Forecast

Current Rate Structure

Water Rate Forecast											
Fiscal Year Ending 6/30:	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Annual System-Wide Rate Increases	0.00%	0.00%	12.00%	12.00%	12.00%	12.00%	12.00%	4.00%	4.00%	4.00%	4.00%
Fixed Charges											
5/8" and 3/4" Meters	\$18.69	\$19.37	\$21.69	\$24.29	\$27.20	\$30.46	\$34.12	\$35.48	\$36.90	\$38.38	\$39.92
1" and 1 1/2" Meters	\$20.96	\$21.72	\$24.33	\$27.25	\$30.52	\$34.18	\$38.28	\$39.81	\$41.40	\$43.06	\$44.78
2" Meter	\$23.22	\$24.07	\$26.96	\$30.20	\$33.82	\$37.88	\$42.43	\$44.13	\$45.90	\$47.74	\$49.65
3", 4", 6", and 8" Meters	\$56.64	\$58.70	\$65.74	\$73.63	\$82.47	\$92.37	\$103.45	\$107.59	\$111.89	\$116.37	\$121.02
Volume Charges											
Per CCF	\$1.00	\$1.00	\$1.12	\$1.25	\$1.40	\$1.57	\$1.76	\$1.83	\$1.90	\$1.98	\$2.06

Rate Structure Alternative A: Secure Financing

Water Rate Forecast											
Fiscal Year Ending 6/30:	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Annual System-Wide Rate Increases	0.00%	0.00%	0.00%	12.00%	12.00%	12.00%	12.00%	4.00%	4.00%	4.00%	4.00%
Monthly Base Rate											
3/4" Meter or Multi-Family Dwelling Unit	\$18.69	\$19.37	\$22.29	\$24.96	\$27.96	\$31.32	\$35.07	\$36.48	\$37.94	\$39.45	\$41.03
1" Meter	\$20.96	\$21.72	\$29.03	\$32.52	\$36.42	\$40.79	\$45.69	\$47.51	\$49.41	\$51.39	\$53.45
1 1/2" Meter	\$20.96	\$21.72	\$45.89	\$51.40	\$57.57	\$64.48	\$72.21	\$75.10	\$78.11	\$81.23	\$84.48
2" Meter	\$23.22	\$24.07	\$66.13	\$74.06	\$82.95	\$92.90	\$104.05	\$108.21	\$112.54	\$117.04	\$121.72
3" Meter	\$56.64	\$58.70	\$120.08	\$134.49	\$150.62	\$168.70	\$188.94	\$196.50	\$204.36	\$212.54	\$221.04
4" Meter	\$56.64	\$58.70	\$180.77	\$202.46	\$226.76	\$253.97	\$284.45	\$295.83	\$307.66	\$319.97	\$332.76
6" Meter	\$56.64	\$58.70	\$349.37	\$391.29	\$438.25	\$490.84	\$549.74	\$571.73	\$594.60	\$618.38	\$643.12
8" Meter	\$56.64	\$58.70	\$551.69	\$617.89	\$692.04	\$775.08	\$868.09	\$902.81	\$938.93	\$976.48	\$1,015.54
Volume Charges											
Per CCF	\$1.00	\$1.00	\$1.12	\$1.25	\$1.40	\$1.57	\$1.76	\$1.83	\$1.91	\$1.98	\$2.06

Revenue Reconciliation - Alternative A

Base Charges	\$ 704,003	\$ 807,842	\$ 926,997	\$ 1,063,728	\$ 1,220,626	\$ 1,300,619	\$ 1,385,854	\$ 1,476,674	\$ 1,573,447
Volume Charges	416,992	478,498	549,076	630,063	722,997	770,378	820,864	874,658	931,978
Total	\$ 1,120,995	\$ 1,286,340	\$ 1,476,073	\$ 1,693,791	\$ 1,943,623	\$ 2,070,996	\$ 2,206,717	\$ 2,351,332	\$ 2,505,425
Check	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
% Recovered Through Volume Charges	37.2%	37.2%	37.2%	37.2%	37.2%	37.2%	37.2%	37.2%	37.2%

Rate Structure Alternative B: Enhanced Conservation

Water Rate Forecast											
Fiscal Year Ending 6/30:	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Annual System-Wide Rate Increases	0.00%	0.00%	0.00%	12.00%	12.00%	12.00%	12.00%	4.00%	4.00%	4.00%	4.00%
Annual Base Rate Increases			7.59%	7.59%	7.59%	7.59%	7.59%	4.00%	4.00%	4.00%	4.00%
Monthly Base Rate											
3/4" Meter or Multi-Family Dwelling Unit	\$18.69	\$19.37	\$20.84	\$22.42	\$24.12	\$25.95	\$27.92	\$29.04	\$30.20	\$31.41	\$32.67
1" Meter	\$20.96	\$21.72	\$27.15	\$29.21	\$31.42	\$33.81	\$36.37	\$37.83	\$39.34	\$40.91	\$42.55
1 1/2" Meter	\$20.96	\$21.72	\$42.91	\$46.17	\$49.67	\$53.44	\$57.49	\$59.79	\$62.19	\$64.67	\$67.26
2" Meter	\$23.22	\$24.07	\$61.82	\$66.52	\$71.56	\$77.00	\$82.84	\$86.15	\$89.60	\$93.18	\$96.91
3" Meter	\$56.64	\$58.70	\$112.27	\$120.79	\$129.95	\$139.82	\$150.43	\$156.45	\$162.70	\$169.21	\$175.98
4" Meter	\$56.64	\$58.70	\$169.01	\$181.84	\$195.64	\$210.49	\$226.47	\$235.52	\$244.95	\$254.74	\$264.93
6" Meter	\$56.64	\$58.70	\$326.64	\$351.43	\$378.11	\$406.81	\$437.68	\$455.19	\$473.40	\$492.33	\$512.02
8" Meter	\$56.64	\$58.70	\$515.80	\$554.95	\$597.07	\$642.38	\$691.14	\$718.78	\$747.53	\$777.44	\$808.53
Volume Charges											
Per CCF	\$1.00	\$1.00	\$1.24	\$1.47	\$1.73	\$2.03	\$2.37	\$2.46	\$2.56	\$2.66	\$2.77

Revenue Reconciliation - Alternative B

Base Charges	\$ 658,208	\$ 725,551	\$ 799,784	\$ 881,612	\$ 971,813	\$ 1,035,500	\$ 1,103,360	\$ 1,175,668	\$ 1,252,714
Volume Charges	462,787	560,789	676,289	812,179	971,810	1,035,497	1,103,357	1,175,664	1,252,711
Total	\$ 1,120,995	\$ 1,286,340	\$ 1,476,073	\$ 1,693,791	\$ 1,943,623	\$ 2,070,996	\$ 2,206,717	\$ 2,351,332	\$ 2,505,425
Check	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
% Recovered Through Volume Charges	41.3%	43.6%	45.8%	48.0%	50.0%	50.0%	50.0%	50.0%	50.0%

Appendix B: Sewer Rate Model

City of Sisters
Utility Rate Study: Wastewater Model
Summary

Fiscal Year Ending 6/30:

High Level Summary	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Annual Rate Increases	0.00%	0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Operating Reserve - Part of Sewer Fund											
Beginning Balance	\$ 1,299,460	\$ 120,024	\$ 142,673	\$ 154,349	\$ 161,615	\$ 169,338	\$ 177,624	\$ 186,107	\$ 193,226	\$ 202,933	\$ 213,230
Total Operating Revenues	1,458,027	1,491,850	1,587,101	1,688,470	1,798,637	1,913,672	2,036,246	2,166,849	2,305,992	2,454,275	2,612,275
Total Operating Expenditures & System Reinvestment	(1,098,310)	(1,233,983)	(1,308,679)	(1,576,694)	(1,629,809)	(1,683,393)	(1,740,301)	(1,726,433)	(1,789,632)	(1,861,632)	(1,932,727)
Operating Surplus: Transfers to Capital Fund	(1,539,153)	(235,219)	(266,746)	(104,510)	(161,104)	(221,993)	(287,462)	(433,298)	(506,652)	(582,347)	(668,621)
Cash Surplus / (Deficiency)	(1,179,436)	22,649	11,676	7,266	7,723	8,286	8,483	7,118	9,708	10,297	10,928
Ending Fund Balance	120,024	142,673	154,349	161,615	169,338	177,624	186,107	193,226	202,933	213,230	224,158
Capital Improvement Reserve - Part of Sewer Fund											
Beginning Balance	\$ 15,600	\$ 1,554,909	\$ 1,805,677	\$ 1,381,481	\$ 4,555,357	\$ 2,552,386	\$ 2,660	\$ 93,121	\$ 320,473	\$ 830,330	\$ 1,420,980
Total Capital Inflows	1,539,309	250,768	284,803	3,918,324	206,658	247,517	287,488	434,229	509,857	590,650	682,831
Total Capital Expenditures	-	-	(708,999)	(744,449)	(2,209,628)	(2,797,243)	(197,027)	(206,878)	-	-	(98,412)
Cash Surplus / (Deficiency)	1,539,309	250,768	(424,196)	3,173,876	(2,002,971)	(2,549,726)	90,462	227,352	509,857	590,650	584,419
Ending Fund Balance	1,554,909	1,805,677	1,381,481	4,555,357	2,552,386	2,660	93,121	320,473	830,330	1,420,980	2,005,399
Capital Replacement Reserve - Part of Sewer Fund											
Beginning Balance	\$ 761,663	\$ 815,305	\$ 869,484	\$ 924,205	\$ 979,473	\$ 1,035,293	\$ 1,091,672	\$ 1,148,614	\$ 1,206,126	\$ 1,264,213	\$ 1,322,881
Total Capital Inflows	53,642	54,179	54,721	55,268	55,820	56,379	56,942	57,512	58,087	58,668	59,255
Total Capital Expenditures	-	-	-	-	-	-	-	-	-	-	-
Cash Surplus / (Deficiency)	53,642	54,179	54,721	55,268	55,820	56,379	56,942	57,512	58,087	58,668	59,255
Ending Fund Balance	815,305	869,484	924,205	979,473	1,035,293	1,091,672	1,148,614	1,206,126	1,264,213	1,322,881	1,382,136
SDC Fund											
Beginning Balance	\$ 2,752,928	\$ 2,780,457	\$ 3,172,347	\$ 1,722,727	\$ 190,569	\$ -	\$ -	\$ 401,136	\$ 834,109	\$ 1,410,223	\$ 2,029,306
Total Capital Inflows	27,529	391,890	419,669	430,596	442,364	469,323	500,080	536,864	576,114	619,083	664,921
Total Capital Expenditures	-	-	(1,869,289)	(1,962,753)	(632,934)	(469,323)	(98,944)	(103,891)	-	-	(100,991)
Cash Surplus / (Deficiency)	27,529	391,890	(1,449,620)	(1,532,157)	(190,569)	-	401,136	432,973	576,114	619,083	563,929
Ending Fund Balance	2,780,457	3,172,347	1,722,727	190,569	-	-	401,136	834,109	1,410,223	2,029,306	2,593,236

Capital Fund Summary	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Beginning Capital Balance	\$ 777,263	\$ 2,370,214	\$ 2,675,161	\$ 2,305,686	\$ 5,534,829	\$ 3,587,679	\$ 1,094,331	\$ 1,241,736	\$ 1,526,599	\$ 2,094,543	\$ 2,743,861
Capital Revenues:											
Rate Funded System Reinvestment											
Minimum Policy	\$ 46,026	\$ 46,026	\$ 46,026	\$ 46,026	\$ 46,026	\$ 46,026	\$ 46,026	\$ 46,026	\$ 46,026	\$ 46,026	\$ 46,026
Operating Surplus	1,539,153	235,219	266,746	104,510	161,104	221,993	287,462	433,298	506,652	582,347	668,621
Total	\$ 1,585,179	\$ 281,244	\$ 312,772	\$ 150,535	\$ 207,130	\$ 268,019	\$ 333,487	\$ 479,324	\$ 552,678	\$ 628,372	\$ 714,647
Grants / Outside Sources	-	-	-	-	-	-	-	-	-	-	-
Net Debt Proceeds Available for Projects	-	-	-	3,800,000	-	-	-	-	-	-	-
Interest Earnings	7,773	23,702	26,752	23,057	55,348	35,877	10,943	12,417	15,266	20,945	27,439
Total Capital Revenues and Beginning Fund Balance	\$ 2,370,214	\$ 2,675,161	\$ 3,014,684	\$ 6,279,278	\$ 5,797,307	\$ 3,891,574	\$ 1,438,762	\$ 1,733,477	\$ 2,094,543	\$ 2,743,861	\$ 3,485,946
Capital Project Expenditures	\$ -	\$ -	\$ (708,999)	\$ (744,449)	\$ (2,209,628)	\$ (2,797,243)	\$ (197,027)	\$ (206,878)	\$ -	\$ -	\$ (98,412)
Ending Capital Balance	\$ 2,370,214	\$ 2,675,161	\$ 2,305,686	\$ 5,534,829	\$ 3,587,679	\$ 1,094,331	\$ 1,241,736	\$ 1,526,599	\$ 2,094,543	\$ 2,743,861	\$ 3,387,534
<i>Minimum Target</i>	<i>\$ 807,689</i>	<i>\$ 853,715</i>	<i>\$ 899,740</i>	<i>\$ 945,766</i>	<i>\$ 991,792</i>	<i>\$ 1,037,818</i>	<i>\$ 1,083,843</i>	<i>\$ 1,129,869</i>	<i>\$ 1,175,895</i>	<i>\$ 1,221,921</i>	<i>\$ 1,267,946</i>

Notes:	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Debt-to-Net Assets Ratio	0.38	0.36	0.28	0.40	0.37	0.34	0.32	0.30	0.28	0.27	0.25
Debt Service as a Portion of Rates	23.9%	22.9%	21.5%	33.5%	31.6%	29.6%	27.8%	23.1%	21.6%	20.4%	19.0%

City of Sisters
Utility Rate Study: Wastewater Model
 Summary

Fiscal Year Ending 6/30:

Operating Fund Summary	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Summary of Existing Operations Before Rate Increases											
Rate Revenues Under Existing Rates	\$ 1,392,436	\$ 1,450,000	\$ 1,485,600	\$ 1,522,075	\$ 1,559,445	\$ 1,597,733	\$ 1,636,960	\$ 1,677,151	\$ 1,718,328	\$ 1,760,517	\$ 1,803,741
SDC Revenue Towards Debt Service	-	-	-	-	-	-	-	-	-	-	-
Non-Rate Revenues	65,591	41,850	42,077	42,193	44,473	44,550	44,633	44,718	44,789	44,886	44,989
Total Revenues	1,458,027	1,491,850	1,527,677	1,564,268	1,603,918	1,642,283	1,681,593	1,721,869	1,763,118	1,805,403	1,848,730
Total Expenditures	(1,098,310)	(1,233,983)	(1,304,519)	(1,568,000)	(1,616,179)	(1,664,395)	(1,715,475)	(1,695,284)	(1,751,631)	(1,816,211)	(1,879,278)
Transfers to Capital	(1,539,153)	(235,219)	(266,746)	(104,510)	(161,104)	(221,993)	(287,462)	(433,298)	(506,652)	(582,347)	(668,621)
Total Expenditures & Transfers	(2,637,463)	(1,469,201)	(1,571,265)	(1,672,510)	(1,777,283)	(1,886,388)	(2,002,937)	(2,128,582)	(2,258,283)	(2,398,557)	(2,547,899)
Cash Surplus / (Deficiency)	\$ (1,179,436)	\$ 22,649	\$ (43,588)	\$ (108,241)	\$ (173,365)	\$ (244,105)	\$ (321,343)	\$ (406,713)	\$ (495,166)	\$ (593,154)	\$ (699,169)
Annual Rate Increase	0.00%	0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Cumulative Rate Increase	0.00%	0.00%	4.00%	8.16%	12.49%	16.99%	21.67%	26.53%	31.59%	36.86%	42.33%
Revenues After Rate Increases											
Rate Revenues (Before Rate Increases)	\$ 1,392,436	\$ 1,450,000	\$ 1,485,600	\$ 1,522,075	\$ 1,559,445	\$ 1,597,733	\$ 1,636,960	\$ 1,677,151	\$ 1,718,328	\$ 1,760,517	\$ 1,803,741
Additional Revenue from Rate Increases	-	-	59,424	124,201	194,719	271,389	354,652	444,980	542,875	648,872	763,545
SDC Revenue Towards Debt Service	-	-	-	-	-	-	-	-	-	-	-
Other Revenues & Interest	65,591	41,850	42,077	42,193	44,473	44,550	44,633	44,718	44,789	44,886	44,989
Total Revenues With Rate Increases	\$ 1,458,027	\$ 1,491,850	\$ 1,587,101	\$ 1,688,470	\$ 1,798,637	\$ 1,913,672	\$ 2,036,246	\$ 2,166,849	\$ 2,305,992	\$ 2,454,275	\$ 2,612,275
Expenses & Transfers											
Cash Operating Expenses	\$ 720,144	\$ 856,037	\$ 926,093	\$ 969,689	\$ 1,016,029	\$ 1,065,745	\$ 1,116,644	\$ 1,159,353	\$ 1,217,600	\$ 1,279,380	\$ 1,344,948
Existing Debt Service	332,140	331,920	332,400	331,580	333,420	331,920	332,100	269,200	267,300	270,100	267,600
New Debt Service	-	-	-	220,705	220,705	220,705	220,705	220,705	220,705	220,705	220,705
Capital Improvement Reserve Contribution	-	-	-	-	-	-	-	-	-	-	-
Capital Replacement Reserve Contribution	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026
Additional Taxes After Rate Increase	-	-	4,160	8,694	13,630	18,997	24,826	31,149	38,001	45,421	53,448
Transfer of Surplus to Capital	1,539,153	235,219	266,746	104,510	161,104	221,993	287,462	433,298	506,652	582,347	668,621
Total Expenses	\$ 2,637,463	\$ 1,469,201	\$ 1,575,425	\$ 1,681,204	\$ 1,790,914	\$ 1,905,385	\$ 2,027,762	\$ 2,159,731	\$ 2,296,284	\$ 2,443,978	\$ 2,601,347
Additions / (Subtractions) to Operating Fund Balance	(1,179,436)	22,649	11,676	7,266	7,723	8,286	8,483	7,118	9,708	10,297	10,928
Impacts to Operating Fund Balance											
Beginning Operating Balance	\$ 1,299,460	\$ 120,024	\$ 142,673	\$ 154,349	\$ 161,615	\$ 169,338	\$ 177,624	\$ 186,107	\$ 193,226	\$ 202,933	\$ 213,230
Net Cash Flow After Transfers to Capital	(1,179,436)	22,649	11,676	7,266	7,723	8,286	8,483	7,118	9,708	10,297	10,928
Ending Operating Balance	\$ 120,024	\$ 142,673	\$ 154,349	\$ 161,615	\$ 169,338	\$ 177,624	\$ 186,107	\$ 193,226	\$ 202,933	\$ 213,230	\$ 224,158
<i>Minimum Operating Balance Target</i>	\$ 120,024	\$ 142,673	\$ 154,349	\$ 161,615	\$ 169,338	\$ 177,624	\$ 186,107	\$ 193,226	\$ 202,933	\$ 213,230	\$ 224,158
Net Cash Flow After Rate Increase	359,717	257,867	278,422	111,776	168,827	230,279	295,945	440,416	516,360	592,643	679,549
Coverage After Rate Increase: w/ SDCs	2.22	3.06	3.20	2.06	2.26	2.40	2.52	3.08	3.32	3.55	3.84
Sample Residential Monthly Bill	\$ 40.78	\$ 41.60	\$ 43.26	\$ 44.99	\$ 46.79	\$ 48.66	\$ 50.61	\$ 52.63	\$ 54.74	\$ 56.93	\$ 59.21

City of Sisters
Utility Rate Study: Wastewater Model
Assumptions

Fiscal Year Ending 6/30:

Economic & Financial Factors	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Escalation Rates											
General Cost Inflation	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Construction Cost Inflation	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
Labor Cost Inflation	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Account Growth	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%
General Inflation Plus Growth	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%
No Escalation	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
PERS Inflation	0.00%	25.00%	0.00%	25.00%	0.00%	25.00%	0.00%	25.00%	0.00%	25.00%	0.00%
PERS + Labor Inflation	4.00%	30.00%	4.00%	30.00%	4.00%	30.00%	4.00%	30.00%	4.00%	30.00%	4.00%
Medical Inflation	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
Medical + Labor Inflation	9.20%	9.20%	9.20%	9.20%	9.20%	9.20%	9.20%	9.20%	9.20%	9.20%	9.20%
Credit Card Fee Inflation	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
[Extra]	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Investment Interest	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Tax Rates											
Franchise Fee	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%

Accounting & Financial Policy Assumptions	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Beginning Fund Balances											
Operating Reserve	\$ 1,299,460										
Capital Improvement Reserve	15,600										
Capital Replacement Reserve	761,663										
SDC Fund	2,752,928										
Debt Reserve Fund	-										
	\$ 4,829,651										
Total Operating and Capital Cash Test: Days of O&M	180 days	180 days	180 days	180 days	180 days	180 days	180 days	180 days	180 days	180 days	180 days
<i>(Informational only--does not drive rate increases)</i>											
Fund Balance Target: Minimum & Maximum Operating Balances											
Min. Fund Balance Target (Months of O&M expense)	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months
Max. Fund Balance (Months of O&M expense)	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months
Fund Balance Target: Capital											
Capital Improvement Reserve	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Replacement Reserve	\$ 807,689	\$ 853,715	\$ 899,740	\$ 945,766	\$ 991,792	\$ 1,037,818	\$ 1,083,843	\$ 1,129,869	\$ 1,175,895	\$ 1,221,921	\$ 1,267,946
Rate Funded System Reinvestment											
Capital Improvement Reserve	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Replacement Reserve	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026
Total	\$ 46,026	\$ 46,026	\$ 46,026	\$ 46,026	\$ 46,026	\$ 46,026	\$ 46,026	\$ 46,026	\$ 46,026	\$ 46,026	\$ 46,026
<i>Actual Result With Transfers (compared to Annual Depreciation)</i>	534%	82%	93%	30%	38%	45%	50%	75%	86%	99%	114%

City of Sisters
Utility Rate Study: Wastewater Model
 Assumptions

Fiscal Year Ending 6/30:

Capital Financing Assumptions		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
System Development Charges												
Annual Inflationary Increase			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Existing System Development Charge												
Reimbursement Fee	\$	2,816	\$ 3,131	\$ 3,256	\$ 3,386	\$ 3,522	\$ 3,663	\$ 3,809	\$ 3,962	\$ 4,120	\$ 4,285	\$ 4,456
Improvement Fee		2,104	2,080	2,163	2,250	2,340	2,433	2,531	2,632	2,737	2,847	2,960
Administration Fee @ 5%		246	261	271	282	294	305	318	330	343	357	371
Total	\$	-	\$ 5,472	\$ 5,691	\$ 5,919	\$ 6,155	\$ 6,401	\$ 6,658	\$ 6,924	\$ 7,201	\$ 7,489	\$ 7,788
Citywide												
Total Meter Equivalents		2,710	2,777	2,845	2,915	2,986	3,059	3,135	3,211	3,290	3,371	3,454
Additional Meter Equivalents per Year		65	67	68	70	72	73	75	77	79	81	83
Reimbursement Fee Revenue	\$	182,875	\$ 208,324	\$ 221,977	\$ 236,524	\$ 252,024	\$ 268,540	\$ 286,139	\$ 304,891	\$ 324,871	\$ 346,161	\$ 368,847
Improvement Fee Revenue		136,637	138,395	147,464	157,128	167,426	178,398	190,089	202,546	215,820	229,964	245,034
Total SDC Revenue to Use in Model	\$	-	\$ 364,085	\$ 387,945	\$ 413,369	\$ 440,458	\$ 469,323	\$ 500,080	\$ 532,853	\$ 567,773	\$ 604,981	\$ 644,628
Budgeted SDC Revenue	\$	350,000	\$ 358,593	\$ 367,397	\$ 376,418	\$ 385,660	\$ 395,128	\$ 404,830	\$ 414,769	\$ 424,952	\$ 435,386	\$ 446,075
System Development Charges Towards Debt Service												
Total Annual Debt Service	\$	332,140	\$ 331,920	\$ 332,400	\$ 552,285	\$ 554,125	\$ 552,625	\$ 552,805	\$ 489,905	\$ 488,005	\$ 490,805	\$ 488,305
Total Annual SDCs	\$	-	\$ 364,085	\$ 387,945	\$ 413,369	\$ 440,458	\$ 469,323	\$ 500,080	\$ 532,853	\$ 567,773	\$ 604,981	\$ 644,628
Total SDCs for Debt Service		-										
Total Improvement Fee SDCs for Capital	\$	-	\$ 364,085	\$ 387,945	\$ 413,369	\$ 440,458	\$ 469,323	\$ 500,080	\$ 532,853	\$ 567,773	\$ 604,981	\$ 644,628
Actual % SDCs to Pay for Debt Service			0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Outside Funding Sources (Uses)												
Capital Grants / Contributions	Function											
[Extra]		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
[Extra]		-	-	-	-	-	-	-	-	-	-	-
[Extra]		-	-	-	-	-	-	-	-	-	-	-
[Extra]		-	-	-	-	-	-	-	-	-	-	-
Total: Capital Grants / Contributions		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Revenue Bonds												
Term (Years)		40 Years	40 Years	40 Years	40 Years	40 Years	40 Years	40 Years	40 Years	40 Years	40 Years	40 Years
Interest Only Payments (Years)		0 Years	0 Years	0 Years	0 Years	0 Years	0 Years	0 Years	0 Years	0 Years	0 Years	0 Years
Interest Cost		4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%
Issuance Cost		1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Coverage Requirement (w/o SDCs)		1.50										
Use Reserves to Pay for Last Payment?		Yes										

City of Sisters
Utility Rate Study: Wastewater Model
 Operating Revenue and Expenditure Forecast

		Projected		Fiscal Year Ending 6/30:									
		Actuals	Budget	Forecast Basis									
Operating Revenues		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Rate Revenues													
05-4-00-327	SEWER RECEIPTS	Account Growth	\$1,392,436	\$1,450,000	\$1,485,600	\$1,522,075	\$1,559,445	\$1,597,733	\$1,636,960	\$1,677,151	\$1,718,328	\$1,760,517	\$1,803,741
Total Rate Revenue			\$1,392,436	\$1,450,000	\$1,485,600	\$1,522,075	\$1,559,445	\$1,597,733	\$1,636,960	\$1,677,151	\$1,718,328	\$1,760,517	\$1,803,741
Non-Rate Revenues													
05-4-00-314	PUBLIC WORKS FEES	No Escalation	\$ 8,370	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000
05-4-00-337	OVERNIGHT PARK SEWER RECEIPTS	No Escalation	22,740	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
05-4-00-354	PROPERTY RENTAL	No Escalation	-	-	-	-	-	-	-	-	-	-	-
05-4-00-342	SALE OF ASSETS	No Escalation	-	-	-	-	-	-	-	-	-	-	-
05-4-00-360	MISCELLANEOUS	No Escalation	19,586	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
05-4-00-362	REFUNDS/REIMBURSEMENTS	No Escalation	800	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000
05-4-00-381	SEWER TAP FEE	No Escalation	1,100	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650
05-4-00-389	PLAN CHECK FEES	No Escalation	-	-	-	-	-	-	-	-	-	-	-
Total Non-Rate Revenues			\$ 52,596	\$ 40,650	\$ 40,650	\$ 40,650	\$ 40,650	\$ 40,650	\$ 40,650	\$ 40,650	\$ 40,650	\$ 40,650	\$ 40,650
TOTAL OPERATING REVENUES			\$1,445,032	\$1,490,650	\$1,526,250	\$1,562,725	\$1,600,095	\$1,638,383	\$1,677,610	\$1,717,801	\$1,758,978	\$1,801,167	\$1,844,391
Operating Expenses													
TRANSFERS													
05-5-00-602	TRANSFER TO CITY HALL FUND	No Escalation	\$ 12,200	\$ 12,100	\$ 12,634	\$ 12,446	\$ 12,485	\$ 13,210	\$ 12,240	\$ -	\$ -	\$ -	\$ -
SUBTOTAL TRANSFERS			\$ 12,200	\$ 12,100	\$ 12,634	\$ 12,446	\$ 12,485	\$ 13,210	\$ 12,240	\$ -	\$ -	\$ -	\$ -
PERSONNEL SERVICES													
SALARIES AND WAGES		Labor Cost Inflation	\$ 203,908	\$ 252,383	\$ 298,978	\$ 310,937	\$ 323,375	\$ 336,310	\$ 349,762	\$ 363,753	\$ 378,303	\$ 393,435	\$ 409,172
PAYROLL TAXES, INSURANCE, AND BENEFITS		Medical + Labor Inflation	118,669	152,179	166,179	181,468	198,163	216,394	236,302	258,042	281,782	307,706	336,015
05-5-00-500	CITY MANAGER	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
05 5 00 501	FINANCE ACCOUNTING ANALYST	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
05-5-00-502	ADMIN ASST	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
05-5-00-503	PUBLIC WORKS DIRECTOR	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
05-5-00-504	UTILITY TECHNICIAN II	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
05-5-00-505	UTILITY TECHNICIAN I	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
05 5 00 511	UTILITY ASSISTANT	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
05-5-00-513	OVERTIME	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
05-5-00-515	PLANNING TECHICIAN	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
05-5-00-516	ASSOCIATE PLANNER	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
05-5-00-518	ACCOUNTING TECHNICIAN	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
05-5-00-519	DATA ANALYST	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
05-5-00-521	FINANCE OFFICER	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
05-5-00-522	PUBLIC WORKS OPS COORDINATOR	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
05-5-00-523	ENGINEERING TECHNICIAN	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
05-5-00-524	MAINTENANCE LEAD	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
05-5-00-525	PROJECT COORDINATOR	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
05-5-00-527	CITY RECORDER	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
05-5-00-529	FINANCE & ADMIN DIRECTOR	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
05-5-00-533	MAINTENANCE SUPERVISOR	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
05-5-00-534	CODE COMPLIANCE OFFICER	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
05-5-00-552	CELL PHONE ALLOWANCE	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
05-5-00-573	ON CALL COMPENSATION	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
05-5-00-580	BONUS	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
05-5-00-581	SOCIAL SECURITY	PERS Inflation	-	-	-	-	-	-	-	-	-	-	-
05-5-00-582	WORKER'S COMP	PERS Inflation	-	-	-	-	-	-	-	-	-	-	-
05-5-00-583	PERS/OSPRS	PERS Inflation	-	-	-	-	-	-	-	-	-	-	-
05-5-00-584	MED/DENT/VISION INSURANCE	PERS Inflation	-	-	-	-	-	-	-	-	-	-	-
05-5-00-586	LTD	PERS Inflation	-	-	-	-	-	-	-	-	-	-	-
05-5-00-587	LIFE INSURANCE	PERS Inflation	-	-	-	-	-	-	-	-	-	-	-
05-5-00-588	UNEMPLOYMENT INS.	PERS Inflation	-	-	-	-	-	-	-	-	-	-	-
05-5-00-589	MEDICARE	PERS Inflation	-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL PERSONNEL SERVICES			\$ 322,577	\$ 404,562	\$ 465,158	\$ 492,405	\$ 521,538	\$ 552,704	\$ 586,065	\$ 621,795	\$ 660,085	\$ 701,141	\$ 745,187

City of Sisters
Utility Rate Study: Wastewater Model
 Operating Revenue and Expenditure Forecast

		Fiscal Year Ending 6/30:		Projected									
		Actuals		Budget									
Operating Expenses (Continued)		Forecast Basis	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
MATERIALS & SERVICES													
05-5-00-704	RECRUITMENT	General Cost Inflation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
05-5-00-705	ADVERTISING	General Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
05-5-00-706	AUDIT FEES	General Cost Inflation	6,160	9,100	9,464	9,843	10,236	10,646	11,072	11,514	11,975	12,454	12,952
05-5-00-710	COMPUTER SOFTWARE MAINT.	General Cost Inflation	6,132	11,500	11,960	12,438	12,936	13,453	13,992	14,551	15,133	15,739	16,368
05-5-00-712	CHEMICALS	General Cost Inflation	4,661	5,000	5,200	5,408	5,624	5,849	6,083	6,327	6,580	6,843	7,117
05-5-00-713	DEVELOPMENT REVIEW	General Cost Inflation	1,822	5,000	5,200	5,408	5,624	5,849	6,083	6,327	6,580	6,843	7,117
05-5-00-714	OFFICE SUPPLIES	General Cost Inflation	708	1,200	1,248	1,298	1,350	1,404	1,460	1,518	1,579	1,642	1,708
05-5-00-715	POSTAGE	General Cost Inflation	2,556	19,000	19,760	20,550	21,372	22,227	23,116	24,041	25,003	26,003	27,043
05-5-00-717	OFFICE EQUIPMENT	General Cost Inflation	1,349	500	520	541	562	585	608	633	658	684	712
05-5-00-718	LEASES	General Cost Inflation	1,300	500	520	541	562	585	608	633	658	684	712
05-5-00-721	COPIER/PRINTER	General Cost Inflation	778	800	832	865	900	936	973	1,012	1,053	1,095	1,139
05-5-00-726	CONTRACTED SERVICES	General Cost Inflation	56,341	67,500	70,200	73,008	75,928	78,965	82,124	85,409	88,825	92,378	96,074
05-5-00-727	PERMITS & FEES	General Cost Inflation	9,272	8,500	8,840	9,194	9,561	9,944	10,342	10,755	11,185	11,633	12,098
05-5-00-733	DUES & SUBSCRIPTIONS	General Cost Inflation	1,104	400	416	433	450	468	487	506	526	547	569
05-5-00-735	TELEPHONE	General Cost Inflation	2,718	3,100	3,224	3,353	3,487	3,627	3,772	3,922	4,079	4,243	4,412
05-5-00-736	CELLULAR PHONES	General Cost Inflation	1,071	1,300	1,352	1,406	1,462	1,521	1,582	1,645	1,711	1,779	1,850
05-5-00-740	EDUCATION	General Cost Inflation	932	1,500	1,560	1,622	1,687	1,755	1,825	1,898	1,974	2,053	2,135
05-5-00-743	ELECTRICITY	General Cost Inflation	66,936	60,000	62,400	64,896	67,492	70,192	72,999	75,919	78,956	82,114	85,399
05-5-00-746	SMALL TOOLS & EQUIPMENT	General Cost Inflation	2,157	5,000	5,200	5,408	5,624	5,849	6,083	6,327	6,580	6,843	7,117
05-5-00-755	GAS/OIL	General Cost Inflation	8,352	8,400	8,736	9,085	9,449	9,827	10,220	10,629	11,054	11,496	11,956
05-5-00-765	SEWER SYSTEM IMPROVEMENTS	General Cost Inflation	13,502	15,000	15,600	16,224	16,873	17,548	18,250	18,980	19,739	20,529	21,350
05-5-00-766	INS: COM/PLIA/UMB	General Cost Inflation	20,853	25,000	26,000	27,040	28,122	29,246	30,416	31,633	32,898	34,214	35,583
05-5-00-768	INTERNAL GEN FUND SERVICES	General Cost Inflation	10,919	11,725	12,194	12,682	13,189	13,717	14,265	14,836	15,429	16,046	16,688
05-5-00-770	SEWER LOCATE SERVICE	General Cost Inflation	254	250	260	270	281	292	304	316	329	342	356
05-5-00-771	MEDICAL TESTING & SERVICES	General Cost Inflation	193	200	208	216	225	234	243	253	263	274	285
05-5-00-772	ROW FRANCHISE FEE	[Calculated]	95,801	101,500	103,992	106,545	109,161	111,841	114,587	117,401	120,283	123,236	126,262
05-5-00-775	LABORATORY FEES	General Cost Inflation	2,141	2,500	2,600	2,704	2,812	2,925	3,042	3,163	3,290	3,421	3,558
05-5-00-777	LEGAL FEES	General Cost Inflation	-	3,500	3,640	3,786	3,937	4,095	4,258	4,429	4,606	4,790	4,982
05-5-00-780	CREDIT CARD FEE	Credit Card Fee Inflation	18,583	20,000	21,000	22,050	23,153	24,310	25,526	26,802	28,142	29,549	31,027
05-5-00-782	UNIFORMS	General Cost Inflation	680	1,500	1,560	1,622	1,687	1,755	1,825	1,898	1,974	2,053	2,135
05-5-00-787	SEWER SYSTEM REPAIRS	General Cost Inflation	26,466	27,500	28,600	29,744	30,934	32,171	33,458	34,796	36,188	37,636	39,141
05-5-00-789	MILEAGE/TRAVEL REIMBURSEMENT	General Cost Inflation	-	200	208	216	225	234	243	253	263	274	285
05-5-00-790	MISCELLANEOUS	General Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
05-5-00-793	MEETINGS/WORKSHOPS	General Cost Inflation	35	200	208	216	225	234	243	253	263	274	285
05-5-00-795	SUPPLIES	General Cost Inflation	6,994	7,000	-	-	-	-	-	-	-	-	-
05-5-00-796	VEHICLE MAINTENANCE	General Cost Inflation	14,597	15,000	15,600	16,224	16,873	17,548	18,250	18,980	19,739	20,529	21,350
05-5-00-799	BAD DEBT EXPENSE	General Cost Inflation	-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL MATERIALS & SERVICES			\$ 385,367	\$ 439,375	\$ 448,302	\$ 464,838	\$ 482,006	\$ 499,831	\$ 518,340	\$ 537,559	\$ 557,515	\$ 578,239	\$ 599,760
DEBT SERVICE													
05-5-00-817	REFUNDING BONDS PRINCIPAL	No Escalation	\$ -	\$ -	-	-	-	-	-	-	-	-	-
05-5-00-818	REFUNDING BONDS INTEREST	No Escalation	-	-	-	-	-	-	-	-	-	-	-
05-5-00-820	IFA LOAN PAYMENT - INTEREST	No Escalation	-	-	-	-	-	-	-	-	-	-	-
05-5-00-821	IFA LOAN PAYMENT - PRINCIPAL	No Escalation	-	-	-	-	-	-	-	-	-	-	-
05-5-00-822	LOAN PAYMENT/REFUND	No Escalation	-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL DEBT SERVICE			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CAPITAL OUTLAY													
05-5-00-906	CAPITAL OUTLAY	No Escalation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
05-5-00-926	LOCUST ST SEWER LINE RELOCATIO	No Escalation	-	-	-	-	-	-	-	-	-	-	-
05-5-00-992	SYSTEM RESERVES	No Escalation	-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL CAPITAL OUTLAY			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
[Extra]													
[Extra]	[Extra]	No Escalation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
[Extra]	[Extra]	No Escalation	-	-	-	-	-	-	-	-	-	-	-
[Extra]	[Extra]	No Escalation	-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL [Extra]			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL CASH OPERATING EXPENSES			\$ 720,144	\$ 856,037	\$ 926,093	\$ 969,689	\$ 1,016,029	\$ 1,065,745	\$ 1,116,644	\$ 1,159,353	\$ 1,217,600	\$ 1,279,380	\$ 1,344,948

City of Sisters
Utility Rate Study: Wastewater Model
Existing Debt

Fiscal Year Ending 6/30:

Existing Debt Service - Summary	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Annual Debt Payments											
Revenue Bonds	\$ 332,140	\$ 331,920	\$ 332,400	\$ 331,580	\$ 333,420	\$ 331,920	\$ 332,100	\$ 269,200	\$ 267,300	\$ 270,100	\$ 267,600
Other Bonds	-	-	-	-	-	-	-	-	-	-	-
Other Loans	-	-	-	-	-	-	-	-	-	-	-
Total Debt Payments	332,140	331,920	332,400	331,580	333,420	331,920	332,100	269,200	267,300	270,100	267,600

Existing Debt Service - Revenue Bonds	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
TOTAL REVENUE BONDS											
Annual Interest Payment	\$ 155,140	\$ 147,920	\$ 140,400	\$ 132,580	\$ 124,420	\$ 115,920	\$ 107,100	\$ 99,200	\$ 92,300	\$ 85,100	\$ 77,600
Annual Principal Payment	177,000	184,000	192,000	199,000	209,000	216,000	225,000	170,000	175,000	185,000	190,000
Total Annual Payment	\$ 332,140	\$ 331,920	\$ 332,400	\$ 331,580	\$ 333,420	\$ 331,920	\$ 332,100	\$ 269,200	\$ 267,300	\$ 270,100	\$ 267,600
Use of Debt Reserve for Debt Service	-	-	-	-	-	-	-	-	-	-	-
Annual Debt Reserve Target on Existing Reven	333,420	333,420	333,420	333,420	333,420	332,100	332,100	270,700	270,700	270,700	270,700

Existing Debt Service - Other Bonds	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
[Extra]											
Annual Interest Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment	-	-	-	-	-	-	-	-	-	-	-
Total Annual Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OTHER BONDS											
Annual Interest Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment	-	-	-	-	-	-	-	-	-	-	-
Total Annual Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Existing Debt Service - Other Loans	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
TOTAL OTHER LOANS											
Annual Interest Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment	-	-	-	-	-	-	-	-	-	-	-
Total Annual Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

City of Sisters
Utility Rate Study: Wastewater Model
 Capital Improvement Program

Project Costs in Year:

2023

Fiscal Year Ending 6/30:

ID	Description	Expenditure by Fund Type				Unescalated Total	UNESCALATED COSTS											
		% SDC Improvement Fee Funded	% Improvement Reserve Funded	% Replacement Reserve Funded	Total		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
	5-Year Forecast Wastewater Projects																	
	Lazy Z Ranch Phase 1	87%	13%	100%	-	\$ 5,286,155	-	-	1,321,539	1,321,539	1,321,539	1,321,539	-	-	-	-	-	-
	Rope Street Lift Station Improvements	0%	100%	100%	-	642,994	-	-	160,749	160,749	160,749	160,749	-	-	-	-	-	-
	Westside Lift Station	97%	3%	100%	-	2,230,902	-	-	557,725	557,725	557,725	557,725	-	-	-	-	-	-
	Creekside Court Lift Station	0%	100%	100%	-	1,194,280	-	-	298,570	298,570	298,570	298,570	-	-	-	-	-	-
	5-to-10-Year Forecast Wastewater Projects																	
	Biosolids Removal	0%	100%	100%	-	206,088	-	-	-	-	-	-	68,696	68,696	68,696	-	-	-
	Lagoons No. 2 and 3 Aerator Replacement	49%	51%	100%	-	456,485	-	-	-	-	-	-	152,162	152,162	152,162	-	-	-
	>10-Year Forecast Wastewater Projects																	
	Lazy Z Ranch Phase 2	97%	3%	100%	-	638,873	-	-	-	-	-	-	-	-	-	-	-	63,887
	Chlorine Contact System Improvements	0%	100%	100%	-	99,953	-	-	-	-	-	-	-	-	-	-	-	9,995
	Headworks Improvements	0%	100%	100%	-	485,337	-	-	-	-	-	-	-	-	-	-	-	48,534
	TOTAL CAPITAL PROJECTS					11,241,066	\$ -	\$ -	\$ 2,338,583	\$ 2,338,583	\$ 2,338,583	\$ 2,559,440	\$ 220,858	\$ 220,858	\$ -	\$ -	\$ -	\$ 122,416
	Total SDC Projects	SDC Fund				7,623,500	\$ -	\$ -	\$ 1,695,500	\$ 1,695,500	\$ 1,695,500	\$ 1,769,333	\$ 73,833	\$ 73,833	\$ -	\$ -	\$ -	\$ 62,000
	Total Improvement Reserve Projects	Improvement Reserve				3,617,566	\$ -	\$ -	\$ 643,083	\$ 643,083	\$ 643,083	\$ 790,107	\$ 147,024	\$ 147,024	\$ -	\$ -	\$ -	\$ 60,416
	Total Replacement Reserve Projects	Replacement Reserve				0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Projects by CIAC						\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Projects by Enterprise Fund						\$ -	\$ -	\$ 2,338,583	\$ 2,338,583	\$ 2,338,583	\$ 2,559,440	\$ 220,858	\$ 220,858	\$ -	\$ -	\$ -	\$ 122,416

City of Sisters
Utility Rate Study: Wastewater Model
 Capital Improvement Program

Project Costs in Year:

Annual Escalation:	0.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
Cumulative Escalation - 2016:	0.00%	5.00%	10.25%	15.76%	21.55%	27.63%	34.01%	40.71%	47.75%	55.13%	

		ESCALATED COSTS										
ID	Description	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	ESCALATED TOTAL
	5-Year Forecast Wastewater Projects	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Lazy Z Ranch Phase 1	-	-	1,456,997	1,529,846	1,606,339	1,686,656	-	-	-	-	6,279,837
	Rope Street Lift Station Improvements	-	-	177,225	186,087	195,391	205,160	-	-	-	-	763,863
	Westside Lift Station	-	-	614,892	645,637	677,919	711,815	-	-	-	-	2,650,263
	Creekside Court Lift Station	-	-	329,173	345,632	362,914	381,059	-	-	-	-	1,418,778
	5-to-10-Year Forecast Wastewater Projects	-	-	-	-	-	-	-	-	-	-	-
	Biosolids Removal	-	-	-	-	-	87,675	92,059	96,662	-	-	276,397
	Lagoons No. 2 and 3 Aerator Replacement	-	-	-	-	-	194,201	203,911	214,107	-	-	612,219
	>10-Year Forecast Wastewater Projects	-	-	-	-	-	-	-	-	-	-	-
	Lazy Z Ranch Phase 2	-	-	-	-	-	-	-	-	-	-	1,308,926
	Chlorine Contact System Improvements	-	-	-	-	-	-	-	-	-	-	204,784
	Headworks Improvements	-	-	-	-	-	-	-	-	-	-	994,362
	TOTAL CAPITAL PROJECTS	\$ -	\$ -	\$ 2,578,288	\$ 2,707,202	\$ 2,842,562	\$ 3,266,567	\$ 295,970	\$ 310,769	\$ -	\$ -	\$ 14,509,428
	Total SDC Projects	\$ -	\$ -	\$ 1,869,289	\$ 1,962,753	\$ 2,060,891	\$ 2,258,168	\$ 98,944	\$ 103,891	\$ -	\$ -	\$ 9,624,195
	Total Improvement Reserve Projects	-	-	708,999	744,449	781,671	1,008,399	197,027	206,878	-	-	4,885,234
	Total Replacement Reserve Projects	-	-	-	-	-	-	-	-	-	-	-
	Projects by CIAC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Projects by Enterprise Fund	\$ -	\$ -	\$ 2,578,288	\$ 2,707,202	\$ 2,842,562	\$ 3,266,567	\$ 295,970	\$ 310,769	\$ -	\$ -	\$ 14,509,428

City of Sisters
Utility Rate Study: Wastewater Model
 Capital Funding

Fiscal Year Ending 6/30:

Capital Project Summary	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
TOTAL CAPITAL EXPENDITURES	\$ -	\$ -	\$ 2,578,288	\$ 2,707,202	\$ 2,842,562	\$ 3,266,567	\$ 295,970	\$ 310,769	\$ -	\$ -	\$ 199,403

Manual Input Debt Assumptions	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Proceeds - Revenue Bonds	\$ -	\$ -	\$ -	\$ 3,800,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

*Model will automatically calculate revenue bond debt if 'Revenue Bond Proceeds' is blank.

Capital Financing Plan	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Outside Funding Sources: Grants/CIAC	-	-	-	-	-	-	-	-	-	-	-
Balance/Remained to be Funded	\$ -	\$ -	\$ 2,578,288	\$ 2,707,202	\$ 2,842,562	\$ 3,266,567	\$ 295,970	\$ 310,769	\$ -	\$ -	\$ 199,403
OTHER FUNDING SOURCES	<i>(Note: Operating transfers in year N are always assumed to be available in year N + 1.)</i>										
Beginning Fund Balances	\$ 777,263	\$ 2,370,214	\$ 2,675,161	\$ 2,305,686	\$ 5,534,829	\$ 3,587,679	\$ 1,094,331	\$ 1,241,736	\$ 1,526,599	\$ 2,094,543	\$ 2,743,861
Capital Improvement Reserve Contribution	Yes	-	-	-	-	-	-	-	-	-	-
Capital Replacement Reserve Contribution	Yes	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026
Use of SDC Revenue	Yes	-	364,085	387,945	413,369	440,458	469,323	500,080	532,853	567,773	604,981
Use of SDC Fund Balance	Yes	2,752,928	2,780,457	3,172,347	1,722,727	190,569	-	401,136	834,109	1,410,223	2,029,306
Interest Earnings	No	-	-	-	-	-	-	-	-	-	-
Minimum Capital Balance?	Yes	-	-	-	-	-	-	-	-	-	-
Revenue Bond Proceeds	-	-	-	3,800,000	-	-	-	-	-	-	-
TOTAL CAPITAL RESOURCES	\$ 3,576,217	\$ 5,560,782	\$ 6,281,478	\$ 8,287,807	\$ 6,211,883	\$ 4,103,028	\$ 1,640,437	\$ 2,221,750	\$ 2,974,507	\$ 4,155,773	\$ 5,463,821

Info: Working Capital Contingency Deficit

New Debt Computations	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
REVENUE BONDS											
Amount to Fund	\$ -	\$ -	\$ -	\$ 3,800,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Issuance Costs	-	-	-	40,613	-	-	-	-	-	-	-
Reserve Required	-	-	-	220,705	-	-	-	-	-	-	-
Amount of Debt Issue	\$ -	\$ -	\$ -	\$ 4,061,318	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Debt Service Summary	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
EXISTING DEBT SERVICE											
Annual Interest Payments	\$ 155,140	\$ 147,920	\$ 140,400	\$ 132,580	\$ 124,420	\$ 115,920	\$ 107,100	\$ 99,200	\$ 92,300	\$ 85,100	\$ 77,600
Annual Principal Payments	177,000	184,000	192,000	199,000	209,000	216,000	225,000	170,000	175,000	185,000	190,000
Total Debt Service Payments	\$ 332,140	\$ 331,920	\$ 332,400	\$ 331,580	\$ 333,420	\$ 331,920	\$ 332,100	\$ 269,200	\$ 267,300	\$ 270,100	\$ 267,600
Revenue Bond Payments Only	\$ 332,140	\$ 331,920	\$ 332,400	\$ 331,580	\$ 333,420	\$ 331,920	\$ 332,100	\$ 269,200	\$ 267,300	\$ 270,100	\$ 267,600
NEW DEBT SERVICE											
Annual Interest Payments	\$ -	\$ -	\$ -	\$ 182,759	\$ 181,052	\$ 179,267	\$ 177,403	\$ 175,454	\$ 173,418	\$ 171,290	\$ 169,066
Annual Principal Payments	-	-	-	37,945	39,653	41,437	43,302	45,251	47,287	49,415	51,639
Total Debt Service Payments	\$ -	\$ -	\$ -	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705
Revenue Bond Payments Only	\$ -	\$ -	\$ -	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705
TOTAL DEBT SERVICE PAYMENTS	\$ 332,140	\$ 331,920	\$ 332,400	\$ 552,285	\$ 554,125	\$ 552,625	\$ 552,805	\$ 489,905	\$ 488,005	\$ 490,805	\$ 488,305
Total Interest Payments	\$ 155,140	\$ 147,920	\$ 140,400	\$ 315,339	\$ 305,472	\$ 295,187	\$ 284,503	\$ 274,654	\$ 265,718	\$ 256,390	\$ 246,666
Total Principal Payments	177,000	184,000	192,000	236,945	248,653	257,437	268,302	215,251	222,287	234,415	241,639
Total Revenue Bond Payments Only	\$ 332,140	\$ 331,920	\$ 332,400	\$ 552,285	\$ 554,125	\$ 552,625	\$ 552,805	\$ 489,905	\$ 488,005	\$ 490,805	\$ 488,305
Use of Debt Reserve for Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

City of Sisters
Utility Rate Study: Wastewater Model
 Revenue Requirement Tests

Fiscal Year Ending 6/30:

Cash Flow Test	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
REVENUES											
Rate Revenue	\$ 1,392,436	\$ 1,450,000	\$ 1,485,600	\$ 1,522,075	\$ 1,559,445	\$ 1,597,733	\$ 1,636,960	\$ 1,677,151	\$ 1,718,328	\$ 1,760,517	\$ 1,803,741
SDC Revenue Towards Debt Service	-	-	-	-	-	-	-	-	-	-	-
Other Non-Rate Revenue	52,596	40,650	40,650	40,650	40,650	40,650	40,650	40,650	40,650	40,650	40,650
Interest Earnings: Operating & Debt Reserve Funds	12,995	1,200	1,427	1,543	3,823	3,900	3,983	4,068	4,139	4,236	4,339
Total Revenue	\$ 1,458,027	\$ 1,491,850	\$ 1,527,677	\$ 1,564,268	\$ 1,603,918	\$ 1,642,283	\$ 1,681,593	\$ 1,721,869	\$ 1,763,118	\$ 1,805,403	\$ 1,848,730
EXPENSES											
Cash Operating Expenses	\$ 720,144	\$ 856,037	\$ 926,093	\$ 969,689	\$ 1,016,029	\$ 1,065,745	\$ 1,116,644	\$ 1,159,353	\$ 1,217,600	\$ 1,279,380	\$ 1,344,948
Existing Debt Service	332,140	331,920	332,400	331,580	333,420	331,920	332,100	269,200	267,300	270,100	267,600
New Debt Service	-	-	-	220,705	220,705	220,705	220,705	220,705	220,705	220,705	220,705
Capital Improvement Reserve Contribution	-	-	-	-	-	-	-	-	-	-	-
Capital Replacement Reserve Contribution	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026
Additions Required to Meet Min. Op. Fund Balance	-	-	-	-	-	-	-	-	-	-	-
Total Expenses	\$ 1,098,310	\$ 1,233,983	\$ 1,304,519	\$ 1,568,000	\$ 1,616,179	\$ 1,664,395	\$ 1,715,475	\$ 1,695,284	\$ 1,751,631	\$ 1,816,211	\$ 1,879,278
NET CASH FLOW (DEFICIENCY)	\$ 359,717	\$ 257,867	\$ 223,158	\$ (3,732)	\$ (12,261)	\$ (22,112)	\$ (33,882)	\$ 26,585	\$ 11,487	\$ (10,808)	\$ (30,548)

Coverage Test - w/o SDCs	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
ALLOWABLE REVENUES											
Rate Revenue	\$ 1,392,436	\$ 1,450,000	\$ 1,485,600	\$ 1,522,075	\$ 1,559,445	\$ 1,597,733	\$ 1,636,960	\$ 1,677,151	\$ 1,718,328	\$ 1,760,517	\$ 1,803,741
Other Revenue	52,596	40,650	40,650	40,650	40,650	40,650	40,650	40,650	40,650	40,650	40,650
SDC Revenue	-	-	-	-	-	-	-	-	-	-	-
Interest Earnings - All Funds	13,151	16,749	19,483	15,358	49,377	29,424	4,010	4,999	7,344	12,540	18,549
Total Revenue	\$ 1,458,183	\$ 1,507,399	\$ 1,545,734	\$ 1,578,083	\$ 1,649,472	\$ 1,667,807	\$ 1,681,620	\$ 1,722,800	\$ 1,766,322	\$ 1,813,706	\$ 1,862,940
Coverage w/o SDCs	2.22	1.96	1.86	1.10	1.14	1.09	1.02	1.15	1.12	1.09	1.06
EXPENSES											
Cash Operating Expenses	\$ 720,144	\$ 856,037	\$ 926,093	\$ 969,689	\$ 1,016,029	\$ 1,065,745	\$ 1,116,644	\$ 1,159,353	\$ 1,217,600	\$ 1,279,380	\$ 1,344,948
Revenue Bond Debt Service	332,140	331,920	332,400	552,285	554,125	552,625	552,805	489,905	488,005	490,805	488,305
Revenue Bond Coverage Requirement at 1.5	166,070	165,960	166,200	276,142	277,062	276,312	276,402	244,952	244,002	245,402	244,152
Total Expenses	\$ 1,218,354	\$ 1,353,917	\$ 1,424,693	\$ 1,798,117	\$ 1,847,216	\$ 1,894,682	\$ 1,945,852	\$ 1,894,211	\$ 1,949,607	\$ 2,015,587	\$ 2,077,405
COVERAGE SURPLUS (DEFICIENCY)	\$ 239,829	\$ 153,482	\$ 121,041	\$ (220,033)	\$ (197,744)	\$ (226,875)	\$ (264,232)	\$ (171,410)	\$ (183,285)	\$ (201,881)	\$ (214,465)

Maximum Revenue Deficiency	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Sufficiency Test Driving the Deficiency	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2
Maximum Revenue Deficiency (Surplus)	\$ (239,829)	\$ (153,482)	\$ (121,041)	\$ 220,033	\$ 197,744	\$ 226,875	\$ 264,232	\$ 171,410	\$ 183,285	\$ 201,881	\$ 214,465
plus: Additional Tax Expense	(18,052)	(11,552)	(9,111)	16,562	14,884	17,077	19,888	12,902	13,796	15,195	16,143
less: Incremental Revenue From Prior Rate Increases	-	-	-	(60,883)	(127,251)	(199,499)	(278,052)	(363,360)	(455,905)	(556,203)	(664,803)
Net Revenue Deficiency (Surplus)	\$ (257,880)	\$ (165,035)	\$ (130,151)	\$ 175,712	\$ 85,377	\$ 44,452	\$ 6,068	\$ (179,047)	\$ (258,824)	\$ (339,127)	\$ (434,196)

City of Sisters
Utility Rate Study: Wastewater Model
 Revenue Requirement Tests

Fiscal Year Ending 6/30:

Rate Increases	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Rate Revenue @ Existing Rates	\$ 1,392,436	\$ 1,450,000	\$ 1,485,600	\$ 1,522,075	\$ 1,559,445	\$ 1,597,733	\$ 1,636,960	\$ 1,677,151	\$ 1,718,328	\$ 1,760,517	\$ 1,803,741
Revenues from Prior Rate Increases	-	-	-	60,883	127,251	199,499	278,052	363,360	455,905	556,203	664,803
Rate Revenue Before Rate Increase (incl. previous increases)	\$ 1,392,436	\$ 1,450,000	\$ 1,485,600	\$ 1,582,958	\$ 1,686,696	\$ 1,797,232	\$ 1,915,012	\$ 2,040,510	\$ 2,174,233	\$ 2,316,720	\$ 2,468,544
Required Annual Rate Increase	-18.52%	-11.38%	-8.76%	11.10%	5.06%	2.47%	0.32%	-8.77%	-11.90%	-14.64%	-17.59%
Number of Months New Rates Will Be In Effect	12 Months	12 Months	12 Months	12 Months	12 Months	12 Months	12 Months	12 Months	12 Months	12 Months	12 Months
Info: % Increase to Generate Required Revenue	0.00%	0.00%	0.00%	11.10%	5.06%	2.47%	0.32%	0.00%	0.00%	0.00%	0.00%
Policy Induced Rate Increases	0.00%	0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
ANNUAL RATE INCREASE	0.00%	0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
CUMULATIVE RATE INCREASE	0.00%	0.00%	4.00%	8.16%	12.49%	16.99%	21.67%	26.53%	31.59%	36.86%	42.33%

Impacts of Rate Increases	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Sufficiency Test Driving the Deficiency	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2	Coverage 2
Rate Revenues After Rate Increase	\$ 1,392,436	\$ 1,450,000	\$ 1,545,024	\$ 1,646,276	\$ 1,754,164	\$ 1,869,121	\$ 1,991,612	\$ 2,122,131	\$ 2,261,203	\$ 2,409,389	\$ 2,567,286
Full Year Rate Revenues After Rate Increase	\$ 1,392,436	\$ 1,450,000	\$ 1,545,024	\$ 1,646,276	\$ 1,754,164	\$ 1,869,121	\$ 1,991,612	\$ 2,122,131	\$ 2,261,203	\$ 2,409,389	\$ 2,567,286
Partial Year Adjustment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Additional Taxes Due to Rate Increases	-	-	4,160	8,694	13,630	18,997	24,826	31,149	38,001	45,421	53,448
Net Cash Flow After Rate Increase	\$ 359,717	\$ 257,867	\$ 278,422	\$ 111,776	\$ 168,827	\$ 230,279	\$ 295,945	\$ 440,416	\$ 516,360	\$ 592,643	\$ 679,549
Coverage After Rate Increase: w/ SDCs	2.22	3.06	3.20	2.06	2.26	2.40	2.52	3.08	3.32	3.55	3.84

Fund Balance Impacts	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Ending Fund Balance: Operating Reserve - Part Of Sewer Fund	\$ 120,024	\$ 142,673	\$ 154,349	\$ 161,615	\$ 169,338	\$ 177,624	\$ 186,107	\$ 193,226	\$ 202,933	\$ 213,230	\$ 224,158
Minimum Target: Operating Reserve - Part Of Sewer Fund	\$ 120,024	\$ 142,673	\$ 154,349	\$ 161,615	\$ 169,338	\$ 177,624	\$ 186,107	\$ 193,226	\$ 202,933	\$ 213,230	\$ 224,158
Ending Fund Balance: Capital Improvement Reserve - Part Of Sewer Fund	\$ 1,554,909	\$ 1,805,677	\$ 1,381,481	\$ 4,555,357	\$ 2,552,386	\$ 2,660	\$ 93,121	\$ 320,473	\$ 830,330	\$ 1,420,980	\$ 2,005,399
Minimum Target: Capital Improvement Reserve - Part Of Sewer Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Ending Fund Balance: Capital Replacement Reserve - Part Of Sewer Fund	\$ 815,305	\$ 869,484	\$ 924,205	\$ 979,473	\$ 1,035,293	\$ 1,091,672	\$ 1,148,614	\$ 1,206,126	\$ 1,264,213	\$ 1,322,881	\$ 1,382,136
Minimum Target: Capital Replacement Reserve - Part Of Sewer Fund	\$ 807,689	\$ 853,715	\$ 899,740	\$ 945,766	\$ 991,792	\$ 1,037,818	\$ 1,083,843	\$ 1,129,869	\$ 1,175,895	\$ 1,221,921	\$ 1,267,946
Ending Fund Balance: SDC Fund	\$ 2,780,457	\$ 3,172,347	\$ 1,722,727	\$ 190,569	\$ -	\$ -	\$ 401,136	\$ 834,109	\$ 1,410,223	\$ 2,029,306	\$ 2,593,236
Minimum Target: SDC Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

City of Sisters
Utility Rate Study: Wastewater Model
Fund Activity

Fiscal Year Ending 6/30:

Funds	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Operating Reserve - Part of Sewer Fund											
Beginning Balance	\$ 1,299,460	\$ 120,024	\$ 142,673	\$ 154,349	\$ 161,615	\$ 169,338	\$ 177,624	\$ 186,107	\$ 193,226	\$ 202,933	\$ 213,230
plus: Net Cash Flow after Rate Increase	359,717	257,867	278,422	111,776	168,827	230,279	295,945	440,416	516,360	592,643	679,549
less: Transfer to Capital Replacement Reserve	-	-	-	-	-	-	-	-	-	-	-
less: Transfer of Surplus to Capital Improvement Reserve	(1,539,153)	(235,219)	(266,746)	(104,510)	(161,104)	(221,993)	(287,462)	(433,298)	(506,652)	(582,347)	(668,621)
Ending Balance	\$ 120,024	\$ 142,673	\$ 154,349	\$ 161,615	\$ 169,338	\$ 177,624	\$ 186,107	\$ 193,226	\$ 202,933	\$ 213,230	\$ 224,158
<i>Minimum Target Balance</i>	\$ 120,024	\$ 142,673	\$ 154,349	\$ 161,615	\$ 169,338	\$ 177,624	\$ 186,107	\$ 193,226	\$ 202,933	\$ 213,230	\$ 224,158
<i>Maximum Funds to be Kept as Operating Reserves</i>	\$ 120,024	\$ 142,673	\$ 154,349	\$ 161,615	\$ 169,338	\$ 177,624	\$ 186,107	\$ 193,226	\$ 202,933	\$ 213,230	\$ 224,158
<i>Info: # of Months of Cash Operating Expenses</i>	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months	2 Months
Capital Improvement Reserve - Part of Sewer Fund											
Beginning Balance	\$ 15,600	\$ 1,554,909	\$ 1,805,677	\$ 1,381,481	\$ 4,555,357	\$ 2,552,386	\$ 2,660	\$ 93,121	\$ 320,473	\$ 830,330	\$ 1,420,980
plus: Capital Improvement Reserve Contribution	-	-	-	-	-	-	-	-	-	-	-
plus: Transfers from Operating Fund	1,539,153	235,219	266,746	104,510	161,104	221,993	287,462	433,298	506,652	582,347	668,621
plus: Capital Grants / Contributions	-	-	-	-	-	-	-	-	-	-	-
plus: Revenue Bond Proceeds	-	-	-	3,800,000	-	-	-	-	-	-	-
plus: Interest Earnings	156	15,549	18,057	13,815	45,554	25,524	27	931	3,205	8,303	14,210
Total Funding Sources	\$ 1,554,909	\$ 1,805,677	\$ 2,090,480	\$ 5,299,805	\$ 4,762,014	\$ 2,799,903	\$ 290,148	\$ 527,351	\$ 830,330	\$ 1,420,980	\$ 2,103,811
less: Improvement Eligible Capital Expenditures	-	-	(708,999)	(744,449)	(2,209,628)	(2,797,243)	(197,027)	(206,878)	-	-	(98,412)
Ending Capital Improvement Reserve Balance	\$ 1,554,909	\$ 1,805,677	\$ 1,381,481	\$ 4,555,357	\$ 2,552,386	\$ 2,660	\$ 93,121	\$ 320,473	\$ 830,330	\$ 1,420,980	\$ 2,005,399
Capital Replacement Reserve - Part of Sewer Fund											
Beginning Balance	\$ 761,663	\$ 815,305	\$ 869,484	\$ 924,205	\$ 979,473	\$ 1,035,293	\$ 1,091,672	\$ 1,148,614	\$ 1,206,126	\$ 1,264,213	\$ 1,322,881
plus: Transfers from Operating Fund	-	-	-	-	-	-	-	-	-	-	-
plus: Capital Replacement Reserve Contribution	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026	46,026
plus: Interest Earnings	7,617	8,153	8,695	9,242	9,795	10,353	10,917	11,486	12,061	12,642	13,229
Total Funding Sources	\$ 815,305	\$ 869,484	\$ 924,205	\$ 979,473	\$ 1,035,293	\$ 1,091,672	\$ 1,148,614	\$ 1,206,126	\$ 1,264,213	\$ 1,322,881	\$ 1,382,136
less: Replacement Eligible Capital Expenditures	-	-	-	-	-	-	-	-	-	-	-
Ending Capital Replacement Reserve Balance	\$ 815,305	\$ 869,484	\$ 924,205	\$ 979,473	\$ 1,035,293	\$ 1,091,672	\$ 1,148,614	\$ 1,206,126	\$ 1,264,213	\$ 1,322,881	\$ 1,382,136
<i>Minimum Target Balance</i>	\$ 807,689	\$ 853,715	\$ 899,740	\$ 945,766	\$ 991,792	\$ 1,037,818	\$ 1,083,843	\$ 1,129,869	\$ 1,175,895	\$ 1,221,921	\$ 1,267,946
SDC Fund											
Beginning Balance	\$ 2,752,928	\$ 2,780,457	\$ 3,172,347	\$ 1,722,727	\$ 190,569	\$ -	\$ -	\$ 401,136	\$ 834,109	\$ 1,410,223	\$ 2,029,306
plus: SDC Revenue Toward Capital	-	364,085	387,945	413,369	440,458	469,323	500,080	532,853	567,773	604,981	644,628
plus: Interest Earnings	27,529	27,805	31,723	17,227	1,906	-	-	4,011	8,341	14,102	20,293
Total Funding Sources	\$ 2,780,457	\$ 3,172,347	\$ 3,592,015	\$ 2,153,323	\$ 632,934	\$ 469,323	\$ 500,080	\$ 938,000	\$ 1,410,223	\$ 2,029,306	\$ 2,694,227
less: SDC Eligible Capital Expenditures	-	-	(1,869,289)	(1,962,753)	(632,934)	(469,323)	(98,944)	(103,891)	-	-	(100,991)
Ending SDC Fund Balance	\$ 2,780,457	\$ 3,172,347	\$ 1,722,727	\$ 190,569	\$ -	\$ -	\$ 401,136	\$ 834,109	\$ 1,410,223	\$ 2,029,306	\$ 2,593,236
Debt Reserve Fund											
Beginning Balance	\$ -	\$ -	\$ -	\$ -	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705
plus: Reserve Funding from New Debt	-	-	-	220,705	-	-	-	-	-	-	-
less: Use of Reserves for Debt Service	-	-	-	-	-	-	-	-	-	-	-
Ending Balance	\$ -	\$ -	\$ -	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705	\$ 220,705
SUMMARY											
Combined Beginning Balance	\$ 4,829,651	\$ 5,270,696	\$ 5,990,181	\$ 4,182,761	\$ 6,107,718	\$ 3,977,722	\$ 1,492,660	\$ 2,049,684	\$ 2,774,639	\$ 3,928,404	\$ 5,207,102
Plus: Inflows	1,980,197	954,704	1,037,615	4,736,669	873,670	1,003,498	1,140,456	1,469,022	1,660,418	1,861,044	2,086,555
Less: Outflows	(1,539,153)	(235,219)	(2,845,034)	(2,811,712)	(3,003,666)	(3,488,560)	(583,432)	(744,067)	(506,652)	(582,347)	(868,024)
Combined Ending Balance	\$ 5,270,696	\$ 5,990,181	\$ 4,182,761	\$ 6,107,718	\$ 3,977,722	\$ 1,492,660	\$ 2,049,684	\$ 2,774,639	\$ 3,928,404	\$ 5,207,102	\$ 6,425,633
Net Change in Reserves	\$ 441,045	\$ 719,485	\$(1,807,419)	\$ 1,924,957	\$(2,129,996)	\$(2,485,062)	\$ 557,024	\$ 724,955	\$ 1,153,766	\$ 1,278,698	\$ 1,218,531
TOTAL AVAILABLE CASH TEST: DAYS OF O&M											
Operating & Capital Ending Balance	\$ 5,270,696	\$ 5,990,181	\$ 4,182,761	\$ 5,887,013	\$ 3,757,017	\$ 1,271,955	\$ 1,828,979	\$ 2,553,934	\$ 3,707,699	\$ 4,986,397	\$ 6,204,928
Ending Total Days of O&M	2,671 days	2,554 days	1,641 days	2,196 days	1,332 days	428 days	585 days	783 days	1,078 days	1,374 days	1,620 days
<i>Target: 180 Days of O&M</i>	\$ 355,140	\$ 422,155	\$ 458,755	\$ 482,491	\$ 507,777	\$ 534,941	\$ 562,917	\$ 587,097	\$ 619,201	\$ 653,327	\$ 689,620



Meeting Date: May 22, 2024

Type: Regular Meeting

Subject: Rope Street Pumpstation Design/Engineering Professional Services Agreement

Staff: P. Bertagna

Dept: Public Works

Action Requested: Discussion and consideration of a motion to approve a Professional Services Agreement with Harper Houf Peterson Righellis, Inc (HHPR) for the Rope Street Pumpstation Renovation Design in an amount not to exceed \$98,970 and authorize the City Manager to execute the agreement.

Summary Points:

- Through our 2023 Wastewater Master Plan update it was determined that the Rope Street Pumpstation needs to be renovated to provide system resiliency and code compliance. The project includes replacing the submersible pumps, updating and replacing the electrical and controls, and relocating the standby generator outdoors.
- This is a high priority project that is programmed in the 2023-27 schedule. It is necessary to start the design July 1, 2024 to have it on-line in 2025.
- HHPR was the firm selected from our Qualified Consultant list largely due to their pumpstation design experience. It is also beneficial that they are designing the Westside Pumpstation since both stations will pump into the same force main and need to be hydraulically engineered to work with each other.
- The City can enter into a professional services agreement with firms on the City's Qualified Consultant List for Engineering or Architectural projects under \$100,000 without having to do a formal Request for Proposals.
- The HHPR proposal was evaluated by staff and it was determined that the renovation Scope of Work meets the required improvements and brings the building into compliance with NFPA code.
- Nicolas Speros with HHPR will be the Project Manager and Ken Condit will be the Project Engineer. Ken has extensive experience designing wastewater pumpstations all over the northwest. He is currently working on the Westside Pumpstation and has designed stations for the City of Madras, Redmond and Bend.
- The Scope of work includes Preliminary Analysis and detailed design to 30%, 90% progress level plans and Final bid-ready plans. HHPR will also submit construction documents with plans, specifications, stamped calculations and design report to the City, County and DEQ for building permits and DEQ approval.

Financial Impact: \$644,000 was budgeted in the FY24/25 Sewer fund which includes \$100,000 for the design/permitting/bidding portion of the project.

Attachments:

1. ATTACHMENT 1: Professional Services Agreement

PROFESSIONAL SERVICES AGREEMENT

This Professional Services Agreement (this “Agreement”) is dated this 30th day of April, 2024, but made effective for all purposes as of the Effective Date (as defined below), between City of Sisters (“City”), an Oregon municipal corporation, whose address is 520 E Cascade Avenue, Sisters, Oregon 97759, and Harper Houf Peterson Righellis, Inc. (“Contractor”), an Oregon corporation, whose address is 205 SE Spokane St., Portland, OR 97202.

RECITAL:

City desires to contract with Contractor to perform certain engineering services concerning City’s “Rope Street Wastewater Station Renovation Design” project (the “Project”). Subject to the terms and conditions contained in this Agreement, Contractor will perform the Services (as defined below) for and on behalf of City.

AGREEMENT:

NOW, THEREFORE, in consideration of the parties’ mutual obligations contained in this Agreement, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto hereby agree as follows:

1. Engineer and Survey Services.

1.1 Services; Standards. Subject to the terms and conditions contained in this Agreement, Contractor will perform the following engineering and related services concerning the Project for and on behalf of City (collectively, the “Services”): (a) those design, engineering, survey, and related services described in the schedule of services attached hereto as Schedule 1.1 (the “Scope of Services”); (b) any other necessary or appropriate services customarily provided by Contractor in connection with its performance of those services described in the Scope of Services; and (c) such other engineering, survey, design, and related services requested by City from time to time. Contractor will (w) consult with and advise City on all matters concerning the Services reasonably requested by City, (x) communicate all matters and information concerning the Services to the city manager (or his or her designee) and perform the Services under the general direction of the city manager (or his or her designee), (y) devote such time and attention to the performance of the Services as necessary or appropriate, and (z) perform the Services to the best of Contractor’s ability. Contractor acknowledges and agrees that City may cause or direct other persons or contractors to provide services for and on behalf of City that are the same or similar to the Services provided by Contractor under this Agreement.

1.2 Schedule of Services. The Services will be completed expeditiously and in a timely manner. Notwithstanding anything contained in this Agreement to the contrary, all Services will be completed no later than December 31, 2024 (with all required deliverables delivered to City prior to such date). Contractor and City will routinely consult with each other to ensure effective and efficient provision of the Services and minimize expense.

1.3 Condition Precedent. Notwithstanding anything contained in this Agreement to the contrary, City’s performance of its obligations under this Agreement is conditioned on Contractor’s performance of its obligations under this Agreement, including, without limitation, those Contractor obligations described under Section 4.4.

1.4 Subcontractors. Subject to the terms and conditions contained in this Agreement, Contractor will contract with Sazan Group Inc., a Washington corporation, and Powers of Automation, Inc. ("POA"), an Oregon corporation (individually and collectively, "Subcontractor(s)"), to perform a portion or portions of the Services. Except as expressly provided in the immediately preceding sentence, Contractor is not permitted to subcontract and/or assign all or any part of the Services without City's prior written consent. City's consent to Contractor's subcontract with Subcontractors and all other proposed subcontracts and/or assignment of Services by Contractor is conditioned on (in addition to any other condition that the City may reasonably impose) the following: (a) Contractor demonstrating to City that Subcontractors and any other subcontractor/assignees (if any) are capable of successfully performing the identified Services in accordance with this Agreement; and (b) Subcontractors and/or the subcontractor/assignee agreeing in writing to comply with and be bound by all the terms and conditions contained in this Agreement (including, without limitation, the schedule of rates set forth in Schedule 2.1. Contractor will deliver to City, promptly after execution, an original executed copy of all documentation pertaining to the subcontract(s) or assignment(s) in form reasonably acceptable to City. Contractor's subcontracts with Subcontractors and any other subcontract or assignment concerning the Services is subject to the following: (w) the terms and conditions of this Agreement will in no way be deemed to have been waived or modified; (x) consent will not be deemed consent to any further subcontract or assignment by City; (y) the subcontract or assignment, whether with or without City's consent, will not modify, relieve, and/or eliminate any Contractor liability or obligation under this Agreement (Contractor remains liable for the timely and proper performance of the Services in accordance with this Agreement); and (z) City will pay Contractor for the performance of the subcontracted/assigned Services subject to and in accordance with the terms and conditions contained in this Agreement.

2. Compensation.

2.1 Compensation. Subject to the terms and conditions contained in this Agreement, in consideration of Contractor's timely performance of the Services in accordance with this Agreement, City will pay Contractor at the hourly rates identified in the fee schedule attached hereto as Schedule 2.1. Contractor will submit monthly invoices to City concerning the Services performed by Contractor during the immediately preceding month (each an "Invoice"). Each Invoice will contain the following information: (a) a summary of the Services performed by Contractor (and by whom) during the applicable billing period; (b) the number of hours (or fraction thereof) each person spent to perform the Services; (c) the applicable hourly rate(s) for performing the Services; and (d) all other information reasonably requested by City. City will pay the amount due under each Invoice within thirty (30) days after City has reviewed and approved the applicable Invoice. City's payment will be accepted by Contractor as full compensation for performing the Services to which the Invoice relates. No compensation will be paid by City for any portion of the Services not performed. Notwithstanding anything contained in this Agreement to the contrary, total compensation payable by City under this Agreement for performance of the Services will not exceed \$98,970.

2.2 No Benefits; Reimbursement. City will not provide any benefits to Contractor, and Contractor will be solely responsible for obtaining Contractor's own benefits, including, without limitation, insurance, medical reimbursement, and retirement plans. If Contractor travels to Sisters, Oregon in connection with Contractor's performance of the Services, City will not reimburse Contractor for any expenses incurred by Contractor to perform the Services and/or in connection with this Agreement.

3. Relationship.

3.1 Independent Contractor. Contractor is an independent contractor of City. Contractor is not an employee of City. Contractor will be free from direction and control over the means and manner of performing the Services, subject only to the right of City to specify the desired results. This Agreement does not create an agency relationship between City and Contractor and does not establish a joint venture or partnership between City and Contractor. Contractor does not have the authority to bind City or represent to any person that Contractor is an agent of City.

3.2 Taxes; Licenses. City will not withhold any taxes from any payments made to Contractor, and Contractor will be solely responsible for paying all taxes arising out of or resulting from Contractor's performance of the Services, including, without limitation, income, social security, workers' compensation, and employment insurance taxes. Contractor will be solely responsible for obtaining all licenses, approvals, and certificates necessary or appropriate to perform the Services.

4. Representations; Covenants.

In addition to any other Contractor representation and/or covenant made in this Agreement, Contractor represents and covenants to City as follows:

4.1 Authority; Binding Obligation; Conflicts. Contractor is duly organized, validly existing, and in good standing under applicable Oregon laws. Contractor has full power and authority to sign and deliver this Agreement and to perform all Contractor's obligations under this Agreement. This Agreement is the legal, valid, and binding obligation of Contractor, enforceable against Contractor in accordance with its terms. By signing below, Contractor certifies that Contractor (and Contractor's principals) are not debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in the Services under this Agreement. The signing and delivery of this Agreement by Contractor and the performance by Contractor of all Contractor's obligations under this Agreement will not (a) breach any agreement to which Contractor is a party, or give any person the right to accelerate any obligation of Contractor, (b) violate any law, judgment, or order to which Contractor is subject, or (c) require the consent, authorization, or approval of any person, including, without limitation, any governmental body.

4.2 Standard of Care. Contractor shall perform the Services in accordance with the professional skill and care ordinarily provided by firms performing similar services in the same locality. Contractor shall, without additional compensation, provide revisions to Contractors' documents or perform such other corrective actions to cure Contractor's negligent acts or errors and omissions. The Contractor makes no other warranties, expressed or implied, with respect to the Services rendered hereunder.

4.3 Insurance. During the term of this Agreement, Contractor will obtain and maintain, in addition to any other insurance required under this Agreement, the following minimum levels of insurance: (a) general liability insurance for all losses or claims arising out of or related to Contractor's performance of its obligations under this Agreement (including, without limitation, damages as a result of death or injury to any person or destruction or damage to any property) with limits of not less than \$1,000,000 per occurrence, \$2,000,000 in the aggregate; (b) comprehensive automobile liability insurance for all owned, non-owned, and hired vehicles that are or may be used by Contractor in

connection with Contractor's performance of the Services with limits of not less than \$1,000,000 per occurrence, \$2,000,000 in the aggregate; (c) errors and omissions insurance with limits of not less than \$1,000,000 per occurrence, \$2,000,000 in the aggregate; (d) employer liability insurance with limits of not less than \$500,000 per occurrence and in the aggregate; and (e) workers' compensation insurance in form and amount sufficient to satisfy the requirements of applicable Oregon law. Each liability insurance policy required under this Agreement will be in form and content satisfactory to City, will list City and each City Representatives (as defined below) as an additional insured, and will contain a severability of interest clause; the workers' compensation insurance will contain a waiver of subrogation in favor of City. The insurance Contractor is required to obtain under this Agreement may not be cancelled without ten (10) days' prior written notice to City. Contractor's insurance will be primary and any insurance carried by City will be excess and noncontributing. Contractor will furnish City with appropriate documentation evidencing the insurance coverage (and provisions) and endorsements Contractor is required to obtain under this Agreement upon Contractor's execution of this Agreement and at any other time requested by City. If any of the required policies provide claims-made coverage: (x) the retroactive effective date and must be before the Effective Date; (y) such insurance must be maintained for at least five (5) years after completion of the Services; and (z) if coverage is canceled or non-renewed, and not replaced with another claims-made policy form with a retroactive date prior to the Effective Date, Contractor must purchase "extended reporting" coverage for a minimum of five (5) years after completion of the Services. If Contractor fails to maintain insurance as required under this Agreement, City will have the option, but not the obligation, to obtain such coverage with costs to be reimbursed by Contractor immediately upon City's demand. Notwithstanding anything in this Section 4.3 to the contrary in, POA will be permitted to carry professional liability insurance with limits of not less than \$1,000,000 per occurrence and \$1,000,000 in the aggregate but will carry all other forms of insurance with the coverage limits set forth in this Section 4.3.

4.4 Compliance with Laws. Contractor will comply and perform the Services in accordance with the Laws. Without otherwise limiting the generality of the immediately preceding sentence, Contractor will comply with each obligation applicable to Contractor and/or this Agreement under ORS 279B.220, 279B.225, 279B.230, and 279B.235, which statutes are incorporated herein by reference. Prior to the Effective Date, Contractor obtained all licenses, approvals, and/or certificates necessary or appropriate to perform the Services, including, without limitation, a business license from City and an unexpired certificate issued by the Oregon Department of Administrative Services under ORS 279A.167. For purposes of this Agreement, the term "Law(s)" means all applicable federal, state, and local laws, regulations, restrictions, orders, codes, rules, and/or ordinances related to or concerning, whether directly or indirectly, Contractor, this Agreement, and/or the Services, including, without limitation, all applicable City ordinances, resolutions, policies, regulations, orders, restrictions, and guidelines, all as now in force and/or which may hereafter be amended, modified, enacted, or promulgated.

4.5 Indemnification.

4.5.1 Indemnification for Other Than Professional Liability. Contractor will defend, indemnify, and hold City, and each present and future City employee, officer, agent, and representative (collectively, "City's Representatives"), harmless for, from, and against all claims, actions, proceedings, damages, liabilities, injuries, losses, and expenses of every kind, whether known or unknown, including, without limitation, attorney fees, resulting from or arising out of, whether directly or indirectly, the following: (a) damage, injury, and/or death to person or property caused directly or indirectly by Contractor's acts and/or omissions (and/or the acts and/or omissions of Contractor's shareholders, officers, agents, employees, directors, representatives, and/or contractors (individually and collectively,

“Contractor Representative(s)”; (b) Contractor’s failure to pay any tax arising out of or resulting from the performance of the Services; and/or (c) Contractor’s breach and/or failure to perform any Contractor representation, warranty, covenant, and/or obligation contained in this Agreement. Contractor’s indemnification obligations provided in this Section 4.5.1 will survive the termination of this Agreement.

4.5.1 Indemnification for Professional Liability. Contractor shall indemnify and hold City and City’s Representatives, harmless for, from, and against claims, actions, proceedings, damages, liabilities, injuries, and losses including reasonable attorney’s fees and expenses of every kind, whether known or unknown, including, without limitation, attorney fees, resulting from or arising out of, whether directly or indirectly, the negligent acts or omissions of Contractor and Contractor’s Representatives. Contractor’s indemnification obligations provided in this Section 4.5.1 will survive the termination of this Agreement.

4.6 Assignment of Studies and Reports. Contractor will assign all studies, reports, data, documents, and/or materials of any kind produced under this Agreement (collectively, “Materials”) to City upon the earlier of City’s request or the termination of this Agreement. All Materials provided to City will become the property of City who may use them without Contractor’s permission for any proper purpose relating to the Services, including, without limitation, additions to or completion of the Services. Contractor will not be liable to City for any damages City sustains arising out of or related to City’s modification and use of the Materials for future unrelated uses or purposes (i.e., uses or purposes unrelated to the projects or purposes for which the Services were performed). Contractor will defend all suits or claims for infringement of patent, trademark, and/or copyright for which Contractor is responsible (including, without limitation, any claims which may be brought against City), and Contractor will be liable to City for all losses arising therefrom, including costs, expenses, and attorney fees and costs.

4.7 Records. Contractor will maintain complete and accurate records concerning all Services performed, the number of hours each person spent to perform the Services, and all documents produced under this Agreement for a period of five years after the expiration or earlier termination of this Agreement. Contractor’s records will be maintained in accordance with sound accounting practices. Contractor’s records concerning the Services, including, without limitation, Contractor’s time and billing records, will be made available to City for inspection, copying, and/or audit immediately upon City’s request.

4.8 Confidential Information. During the term of this Agreement, and at all times thereafter, Contractor will maintain all Confidential Information (as defined below) in the strictest confidence and will not directly or indirectly use, communicate, or disclose any Confidential Information to any person, or remove or make reproductions of any Confidential Information, except that Contractor may (a) use Confidential Information to perform the Services to the extent necessary, and (b) communicate or disclose Confidential Information in accordance with a judicial or other governmental order or as required by applicable law, but only if Contractor promptly notifies the city manager of the order and complies with any applicable protective or similar order. Contractor will promptly notify the city manager of any unauthorized use, communication, or disclosure of any Confidential Information and will assist City in every way to retrieve any Confidential Information that was used, communicated, or disclosed by Contractor and will exert Contractor’s best efforts to mitigate the harm caused by the unauthorized use, communication, or disclosure of any Confidential Information. Upon the earlier of City’s request or termination of this Agreement, Contractor will immediately return to City all

documents, instruments, or materials containing any Confidential Information accessed or received by Contractor, together with all copies and summaries of such Confidential Information. If requested by City, Contractor will execute a written certification satisfactory to City pursuant to which Contractor will represent and warrant that Contractor has returned all Confidential Information to City in accordance with the terms of this Agreement. Notwithstanding anything contained in this Agreement to the contrary, the terms of this Agreement do not operate to transfer any ownership or other rights in or to the Confidential Information to Contractor or any other person. For purposes of this Agreement, the term "Confidential Information" means all documentation, information, and/or materials identified by City as confidential and/or any documentation, information, and/or materials relating to or concerning City's future plans, business affairs, employment, legal, and litigation matters that need to be protected from improper disclosure, in whatever form (e.g., hard and electronic copies, etc.), that is received or assessed by Contractor; provided, however, the term "Confidential Information" does not include City's public records which are non-exempt public records under applicable federal, state, and/or local laws.

5. Term; Termination.

5.1 Term of Agreement. Subject to the terms and conditions contained in this Agreement, the term of this Agreement commenced on the Effective Date and will remain in full force and effect until completion of the Services (which in no event will be later than December 31, 2024), unless sooner terminated as provided in this Agreement. This Agreement may be extended by the parties' mutual written agreement.

5.2 Termination by Mutual Agreement or Prior Notice. Notwithstanding anything contained in this Agreement to the contrary, (a) this Agreement may be terminated at any time by the mutual written agreement of City and Contractor, and/or (b) City may terminate this Agreement for convenience and without cause by giving Contractor thirty (30) days' prior written notice of such termination.

5.3 Immediate Termination. Notwithstanding anything contained in this Agreement to the contrary, City may terminate this Agreement immediately upon notice to Contractor upon the happening of any of the following events: (a) Contractor engages in any form of dishonesty or conduct involving moral turpitude related to Contractor's independent contractor relationship with City or that otherwise reflects adversely on the reputation or operations of City; (b) Contractor fails to comply with any applicable law related to Contractor's independent contractor relationship with City; (c) continuous or repeated problems occur in connection with the performance of the Services; and/or (d) Contractor breaches and/or otherwise fails to perform any Contractor representation, warranty, covenant, and/or obligation contained in this Agreement. The determination as to whether any of the aforementioned events have occurred will be made by City in its sole discretion.

5.4 Consequences of Termination. Upon termination of this Agreement, City will not be obligated to reimburse or pay Contractor for any continuing contractual commitments to others or for penalties or damages arising from the cancellation of such contractual commitments. Within a reasonable period of time after termination of this Agreement (but in no event later than five days after termination), Contractor will deliver to City all materials and documentation, including raw or tabulated data and work in progress, related to or concerning the Services. Termination of this Agreement by City will not constitute a waiver or termination of any rights, claims, and/or causes of action City may have against Contractor.

5.5 Remedies. If a party breaches or otherwise fails to perform any of its representations, warranties, covenants, and/or obligations under this Agreement, the non-defaulting party may, in addition to any other remedy provided to the non-defaulting party under this Agreement, pursue all remedies available to the non-defaulting party at law or in equity. All available remedies are cumulative and may be exercised singularly or concurrently.

6. Miscellaneous.

6.1 Severability; Assignment; Binding Effect. Each provision contained in this Agreement will be treated as a separate and independent provision. The unenforceability of any one provision will in no way impair the enforceability of any other provision contained herein. Any reading of a provision causing unenforceability will yield to a construction permitting enforcement to the maximum extent permitted by applicable law. Subject to Section 1.4 and this Section 6.1, Contractor will not assign this Agreement to any person without City's prior written consent. Subject to the immediately preceding sentence, this Agreement will be binding on the parties and their respective heirs, personal representatives, successors, and permitted assigns, and will inure to their benefit. This Agreement may be amended only by a written agreement signed by each party.

6.2 Attorney Fees; Dispute Resolution. If any claim, dispute, or controversy arising out of or related to this Agreement occurs (a "Dispute"), City and Contractor will exert their best efforts to seek a fair and prompt negotiated resolution of the Dispute and will meet at least once within seven (7) days of request from either party to discuss and seek a resolution of the Dispute. If the Dispute is not resolved by negotiated resolution, or a party fails to meet, either party may initiate a suit, action, arbitration, or other proceeding to interpret, enforce, and/or rescind this Agreement. If any arbitration or litigation is instituted to interpret, enforce, and/rescind this Agreement, including, without limitation, any proceeding brought under the United States Bankruptcy Code, the prevailing party on a claim will be entitled to recover with respect to the claim, in addition to any other relief awarded, the prevailing party's reasonable attorney fees and other fees, costs, and expenses of every kind, including, without limitation, costs and disbursements specified in ORCP 68 A(2), incurred in connection with the arbitration, the litigation, any appeal or petition for review, the collection of any award, or the enforcement of any order, as determined by the arbitrator or court. Attorneys' fees and costs referenced in this Article are recoverable only if allowed under applicable law and provided that the party claiming to be the prevailing party recovers above a bona fide written settlement offer or a party successfully defends and prevents recovery above a bona fide written settlement offer. If none of these conditions are met, the parties bear their own respective attorney's fees, expert fees, court costs and expenses.

6.3 Governing Law; Venue. This Agreement is governed by the laws of the State of Oregon, without giving effect to any conflict-of-law principle that would result in the laws of any other jurisdiction governing this Agreement. Any action or proceeding arising out of this Agreement will be litigated in courts located in Deschutes County, Oregon. Each party consents and submits to the jurisdiction of any local, state, or federal court located in Deschutes County, Oregon.

6.4 Attachments; Further Assurances; Notices. Any exhibits, schedules, instruments, documents, and other attachments referenced in this Agreement are part of this Agreement. The parties will sign other documents and take other actions reasonably necessary to further effect and evidence this Agreement. Time is of the essence with respect to Contractor's performance of its obligations under this Agreement. All notices or other communications required or permitted by this

Agreement must be in writing, must be delivered to the parties at the addresses set forth above, or any other address that a party may designate by notice to the other party, and are considered delivered upon actual receipt if delivered personally, by fax or email transmission (with electronic confirmation of delivery), or by a nationally recognized overnight delivery service, or at the end of the third business day after the date of deposit if deposited in the United States mail, postage pre-paid, certified, return receipt requested.

6.5 Waiver; Entire Agreement. No provision of this Agreement may be modified, waived, or discharged unless such waiver, modification, or discharge is agreed to in writing by City and Contractor. No waiver of either party at any time of the breach of, or lack of compliance with, any conditions or provisions of this Agreement will be deemed a waiver of other provisions or conditions hereof. This Agreement contains the entire agreement and understanding between the parties with respect to the subject matter of this Agreement and contains all the terms and conditions of the parties' agreement and supersedes any other oral or written negotiations, discussions, representations, or agreements. Contractor has not relied on any promises, statements, representations, or warranties except as set forth expressly in this Agreement.

6.6 Person; Interpretation; Execution. For purposes of this Agreement, the term "person" means any natural person, corporation, limited liability company, partnership, joint venture, firm, association, trust, unincorporated organization, government or governmental agency or political subdivision, or any other entity. All pronouns contained herein and any variations thereof will be deemed to refer to the masculine, feminine, or neutral, singular or plural, as the identity of the parties may require. The singular includes the plural and the plural includes the singular. The word "or" is not exclusive. The words "include," "includes," and "including" are not limiting. The titles, captions, or headings of the sections herein are inserted for convenience of reference only and are not intended to be a part of or to affect the meaning or interpretation of this Agreement. The parties may execute this Agreement in separate counterparts, each of which when executed and delivered will be an original, but all of which together will constitute one and the same instrument. Facsimile or email transmission of any signed original document will be the same as delivery of an original. At the request of either party, the parties will confirm facsimile or email transmitted signatures by signing and delivering an original document. This Agreement will be deemed binding and effective for all purposes as of the date this Agreement is fully executed by the parties (the "Effective Date").

IN WITNESS WHEREOF, the undersigned have caused this Agreement to be binding and effective for all purposes as of the Effective Date.

CITY:

City of Sisters,
an Oregon municipal corporation

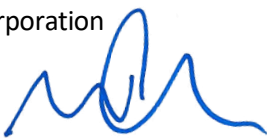
Jordan Wheeler, City Manager

Date: _____

Federal Tax Id. No.: _____

CONTRACTOR:

Harper Houf Peterson Righellis, Inc.,
an Oregon corporation



Nicolas Speros, Associate Principal

Date: 4-30-24

Federal Tax Id. No.: 93-1045332

Schedule 1.1
Scope of Services

In addition to all other Services identified under this Agreement, Contractor will perform the following Services and tasks for and on behalf of City concerning the Project:

[attach Contractor's proposal]

**City of Sisters Collection System
Rope Street Pump Station Renovation
Scope and Fee Estimate for Professional Services**

PROJECT UNDERSTANDING

- A. The Rope Street Wastewater Pump Station (PS) was constructed in 1999 and 2000 to serve as the main PS for the City's collection system. The facility pumps collected wastewater through a 12-inch force main (FM) that extends to the City's wastewater treatment facility (WWTF).
- B. The Rope St. PS has a triplex submersible pumping system. The pumps are installed in a rectangular wet well located underneath a brick building that houses electrical and control equipment, a standby generator, and other PS appurtenances. Access openings with hatches are installed in the building floor to provide wet well access for pump retrieval.
- C. This project involves a PS renovation that will provide a complete new triplex pumping system along with other upgrades. The pumping system will include new pump-retrieval assemblies in the wet well, new pump controls, a level sensor, and accessories. New pump discharge elbows will likely be needed to accommodate stainless steel guide rails for pump retrieval.
- D. The Milltronics Hydroranger transmitter and sensor can remain in service as the primary or backup level sensor. A determination regarding continued use of these devices can be made during design.
- E. The renovation will incorporate a new telemetry system into the PS that will be tied to the WWTF SCADA system. The telemetry system will communicate via the City's radio-frequency SCADA system and will provide alarm, monitoring and control functions according to the City's requirements.
- F. The PS renovation will also include other improvements to bring the building into compliance with current NFPA 820 guidelines for wastewater pumping facilities.
- G. The renovation will not include replacements of valves and piping, or other modifications to the below-grade valve vault outside the building.

KEY DESIGN CONSIDERATIONS

Our proposed scope includes the services required to address the following key aspects of the work:

- A. According to the City's preferences, we plan to specify either Flygt non-clog pumps with integral Concertor pump controls and Nexicon PS controller or Flygt pumps with separate SmartRun drives. The controls will provide variable pump outputs for improved operating efficiency. We plan to specify single-source responsibility for the pumping system package with controls in a cabinet supplied to the pump manufacturer.
- B. The design will specify pump control features that prevent pump clogging, periodically flush out the force main, and reduce grease buildup in the wet well. These features are standard with Flygt controls.
- C. A hydraulic analysis is necessary to establish the required pump duty points for near-term and future flow conditions based on joint operation of the Rope PS and Westside PS. The analysis will address

the modified flow balance in the collection system and the reduced near-term velocity in the upstream segment of the force main, north of the junction point at Locust and Jefferson.

- D. We anticipate the project scope will require the wet well to be removed from service for the renovation. Our proposal includes development of a bypass and construction sequencing plan. We have assumed a temporary connection can be made to discharge piping in the valve vault and sewage can be pumped from the last manhole in the sewer system to this connection.
- E. Our proposal includes designing a partition wall in the existing building to create an electrical room that is physically separated from the wet well access area according to NFPA guidance. We will further evaluate the feasibility of this approach during preliminary design.
- F. We will work with our electrical engineering consultant to determine whether the existing generator can remain inside the new electrical room while also providing code-compliant equipment access. We will also evaluate the feasibility of relocating the existing generator to an acoustic enclosure on a concrete pad outside of the building. Our scope includes design of a concrete pad.
- G. Our proposal is based on maintaining the existing utility transformer and power service to the PS in service, including the meter and main disconnect.

PROPOSED TASKS

TASK 0: Ongoing Project Management

Our project manager will schedule, manage, coordinate, and direct the project team for the duration of the work. Our effort will include managing subconsultants for electrical, mechanical, and instrumentation and control disciplines.

TASK 1: Preliminary Analysis and Detailed Design to 30% Progress Level

This task will identify existing constraints affecting the renovation, establish the basis of design, and address main issues that impact details of the project. Our scope will include the following main efforts:

1. Complete a hydraulic analysis in coordination with the Westside PS design and obtain pump selections from Flygt.
2. Obtain a complete proposal from Flygt for all pumping system components along with a price quote. We will consult with Flygt about the prospect of installing two pumps for the near term and planning to add a third pump later.
3. Identify structural requirements and a location for a partition wall, and locations and requirements for a heater and exhaust fan to be established in each separate room.
4. Develop a layout for the equipment and other components located in the electrical room and evaluate options for the disposition of the standby power generator.
5. Establish the configuration and space requirements for the SCADA terminal cabinet.
6. Prepare an initial estimate of probable cost and a summary technical design memorandum with preliminary drawings.
7. Perform an in-house QA/QC review of the design memo and preliminary drawings, and make changes per the review.

8. Submit the tech memo and drawings to the City and attend a joint review meeting.

Deliverables:

- *Engineering Design Memorandum with project design basis and preliminary drawings.*

City Responsibilities:

- *Review and comment on tech memo and preliminary drawings.*

TASK 2: Detailed Design to 90% Progress Level

This task involves design development and preparation of 90% detailed plans, draft specifications, and a cost estimate for review by the City. Our scope will include the following key activities:

1. Revise the design according to the City's comments on the preliminary engineering effort.
2. Develop detailed structural design of the partition wall and other potential modifications to the building, such as new wall penetrations and removal of the MCC concrete housekeeping pad.
3. Prepare electrical load calculations for the design effort to confirm adequacy of the utility service and prepare mechanical energy calculations for heating and ventilation.
4. Develop a temporary bypass and construction sequencing plan. We will also require the contractor to submit a detailed bypassing and work sequencing plan that identifies any proposed differences with the specified plan.
5. Develop detailed plans to a 90% level by all disciplines for the renovation work.
6. Draft specifications by all disciplines for required materials and draft general notes for detailed plans.
7. Perform an in-house QA/QC review and address the review comments.
8. Submit the 90% drawings, draft specs and cost estimate to the City and attend a joint review meeting.

Deliverables:

- *Detailed plans, specifications, and cost estimate at 90% progress level for City review.*

City Responsibilities:

- *Provide reviews of, and comments on, 90% detailed design plans and specs.*

TASK 3: Detailed Design to Bid-Ready Design Documents

Our scope will include the following key activities:

1. Incorporate all review comments, complete the design effort, draft bidding and contract documents, and prepare a permit set of construction documents. We will also update the engineering design memo for consistency with any updates that occur throughout design and produce a design report for DEQ review.
2. Submit permit set with stamped calculations to Deschutes County and submit the same set of documents, along with the design report, to DEQ for approval.

3. Address any review comments by the permitting authority and DEQ, complete the construction documents for bidding, and update the cost estimate.

Deliverables:

- *Permit set of construction documents with plans, specifications, bidding and construction documents, stamped calculations, and updated design report.*
- *Design Report that updates technical memo for DEQ review.*

City Responsibilities:

- *Provide reviews/input regarding any significant adjustments to 90% design documents.*
- *Pay permitting and DEQ plan review fees.*

TASK 4: Bidding Support

Our scope will include the following bidding support services:

1. Identify any needs for clarifications and corrections, and prepare an addendum to plans, specifications and bidding documents as appropriate.
2. Attend the bid opening, prepare contractor bid tabulations, review and evaluate bid forms for accuracy and responsiveness, and provide the City with a bid award recommendation.
3. Prepare award recommendation and issue a notice of intent to award.
4. Compile contract documents for transmittal with notice of award.

City Responsibilities:

- *Make arrangements with Document Issuing Center to set up and maintain "Virtual Plan Room" for viewing and purchasing documents.*
- *Coordinate with HHPR regarding bidder questions about equipment and materials.*

TASK 5: Construction-Phase Support Services (scope to be added under separate agreement)

FEE ESTIMATE FOR PROPOSED SCOPE (Design & Bidding Support Services)

• HHPR Civil-Process	\$ 44,800
• HHPR Structural	\$ 6,110
• Electrical Subconsultant (Sazan)	\$ 14,180
• Mechanical Subconsultant (Sazan)	\$ 9,980
• SCADA & Telemetry Subconsultant (POA – Design Only)	\$ 23,900
Proposed Not-to-Exceed Fee Amount	\$ 98,970

The above tasks will be billed on a time and materials basis. We will not exceed the maximum amount shown unless an updated amount is agreed upon by both parties.

Schedule 2.1
Fee Schedule

HHPR

LABOR CATEGORY	HOURLY RATE
Project Manager	\$220
Project Engineer	\$220
Civil Engineer	\$165
Sr. Civil Designer	\$175
Structural Engineer	\$175
Structural Designer	\$165
CAD Technician	\$135
Clerical	\$115

SÄZÄN GROUP

LABOR CATEGORY	HOURLY RATE
Principal	\$275
Associate	\$210
Engineer 4	\$200
Designer 2	\$130
Designer 1	\$115
Lighting Designer 2	\$180
AutoCAD/BIM Tech.	\$120
Admin Assistant	\$105

POA

LABOR CATEGORY	HOURLY RATE
Engineer 2 / Project Manager / Programmer	\$170
Automation Specialist	\$104