MEMORANDUM

TO: **Board of Trustees**

THROUGH: Indra Winquest, District General Manager

FROM: Brad Underwood. Director of Public Works

SUBJECT: Review, Discuss and Provide Direction and Comment to Staff on the

Fiscal Year 2023 IVGID Utility Rate Study and Direct Staff to Prepare Documents and Utility Rate Schedules for a Water Utility

Rate Increase and Sewer utility Rate Increase-Including a

Presentation by HDR (Requesting Staff Member: Director of Public

Works Brad Underwood)

RELATED STRATEGIC **PLAN INITIATIVE(S):**

LONG RANGE PRINCIPLE #3 - FINANCE

The District will ensure fiscal responsibility and sustainability of service capacities through prudent fiscal management and maintaining effective financial policies for internal controls, operating budgets, fund balances, capital improvement and debt management.

RELATED DISTRICT **RESOLUTIONS OR ORDINANCES**

POLICIES, PRACTICES. Ordinance No. 2 – Sewer Ordinance Ordinance No. 4 – Water Ordinance

DATE: February 8, 2023

RECOMMENDATION I.

Review, discuss and provide direction and comment to staff on the Fiscal Year 2023 IVGID Utility Rate Study. Direct staff to prepare documents and Utility Rate Schedules for a one-year average Water utility rate increase of eight percent (8%), and a one-year average Sewer utility rate increase of thirteen point two percent (13.2%) for the average residential customer.

11. BACKGROUND

The District provides water and sewer utility services through its Utility Fund (Fund 200). These utility operations are supported through target annual revenues (\$14.9 million for FY 2022/23) each year collected from utility customers based on Board-approved rate schedules for each utility. Last year, on April 27, 2022, the Board approved water and sewer utility rates which increased revenues by 16.0% in water, and by 13.5% in sewer.

On November 22, 2022 staff executed a Professional Services Contract to HDR Engineering, Inc. to conduct the utility rate study for provision of water and sewer services. The study is intended to establish 5-year water and sewer utility rates for all customer types.

The rate study sets forth the appropriate rates for water and sewer service to meet revenue and expense requirements and to achieve the appropriate Fund Balance and Working Capital. The rate increases are necessary to fund the current, and future, operating and capital expenses. The recommended utility rate increases for year one, as proposed, would increase Water Utility revenues by 10% and Sewer Utility revenues by 13.5%. The impact of these increases on the average residential customer are a one-year average Water utility rate increase of eight percent (8%), and a one-year average Sewer utility rate increase of thirteen point two percent (13.2%). The percentage for the average utility rate increase is based upon an average customer using 10,000 gallons per month for water and 3,000 gallons per month for sewer.

There are no recommended changes to the Public Works Fee Schedule.

The rate study informs the District that long-term borrowing is needed to provide the funding necessary for the updated 5-year capital plan. This includes \$3.57 million for water projects and \$52.74 million for sewer projects occurring during FY 2024-2028. As the Trustees are aware the majority of the projected sewer borrowing will be needed for the Effluent Pipeline Project primarily through SRF funding. Other funding sources recognized in the rate study are reserve funding for the Effluent Pipeline project of \$15.4 million. As well as \$4.2 million grant funding from the Army Corp of Engineers for the Effluent Storage Tank project.

The following tables show the current versus proposed FY 2023/24 rate comparisons for water and sewer for this average customer when maintaining the current rate structure and adjusting rates to meet the revenue requirements.

Residential Water Rate Comparison

Rate Component	Current Rate	Proposed Rate	Change
Base Rate	\$15.10	\$17.30	\$2.20
Capital Improvements	\$15.10	\$15.10	\$0.00
Customer Admin Fee	\$4.23	\$4.44	\$0.21
Defensible Space	\$1.05	\$1.05	\$0.00
Total Monthly Base Water Bill	\$35.48	\$37.89	\$2.41
Water Use	\$1.95	\$2.15	\$0.20

1 st Tier	\$1.17	\$1.29	\$0.12
2 nd Tier	\$1.69	\$1.86	\$0.17

Residential Sewer Rate Comparison

Rate Component	Current Rate	Proposed Rate	Change
Base Rate	\$25.10	\$32.25	\$7.15
Capital Improvements	\$31.45	\$31.45	\$0.00
Customer Admin Fee	\$4.23	\$4.44	\$0.21
Total Monthly Base Sewer Bill	\$60.78	\$68.14	\$7.36
Sewer Use	\$4.00	\$4.75	\$0.75

As part of the study the consultant analyzed the cost of service for each rate class to determine if rates were equitable between the various user types. The consultant discovered the following:

- For Water rates the preliminary cost of service results continue to show that the irrigation revenue can be increased greater than the system average. This is due to the significant peak demand that irrigation puts on the capacity needs of the water system and the resulting costs associated with providing this level of service. Similar to the prior study recommendations, and the prior rate transition plan, the irrigation rates would be adjusted at a greater level than other customer rates to reflect the cost of service results. The preliminary rate structure reflects this approach.
- For Sewer rates, the prior cost of service analysis showed that the commercial class revenue could be increased greater than residential. As a result, the rates reflected this approach. The current cost of service study shows that the commercial customers are much more in line with the cost of service results. This is the result of the adjustments made during the prior study. Given this, the proposed rate adjustments are essentially equal for all customers in the preliminary study rates.

It is also important to understand that this is a cost of service study that reflects the current operating and customer characteristics. Over time, these change and the cost of service will show different results from year to year.

Five-Year Utility Revenue Increase Plan

	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Water Revenue Adjustment	10.0%	8.5%	8.0%	3.0%	3.0%
Sewer Revenue Adjustment	13.5%	8.0%	6.0%	3.5%	3.0%

These recommended revenue increases take into account a gradual approach over a five-year period to achieve operating and capital reserve fund targets per Board policy. Doing so gradually lessens the immediate impact to customers, as opposed to an even greater rate increase to meet these policies in the short-term. The following table shows the likely annual reserves each year for the Utility Fund based upon the proposed rate increases.

Utility Reserve Funds

Operating Fund	FY 2024	FY 2025	FY2026	FY 2027	FY 2028
Ending Balance	\$2,181,295	\$2,106,186	\$2,363,465	\$2,458,959	\$2,688,886
Target	\$2,746,544	\$2,892,832	\$3,016,804	\$3,083,748	\$3,228,659
Capital Fund	FY 2024	FY 2025	FY2026	FY 2027	FY 2028
Ending Balance	\$4,698,746	\$5,572,995	\$6,449,750	\$6,780,405	\$7,837,443
Target	\$3,787,968	\$3,896,042	\$4,007,208	\$4,121,554	\$4,239,173

The above table illustrates that the Fund Reserve target for the Operating Funds is not met during the next five fiscal years. The Capital Reserves meet the target in FY 2024.

Schedule

The schedule for the proposed rate adoption is as follows:

Utility Rate Study Schedule	Date
Rate Study Presentation	February 8, 2023
Set Date of Public Hearing to Adopt New Utility Rates	March 8, 2023
Publish Notice of Public Hearing in Newspaper	March 10, 2023
Conduct Public Hearing and Adopt New Utility Rates	April 26, 2023

III. **BID RESULTS**

There are no bid results associated with this Memorandum.

FINANCIAL IMPACT AND BUDGET IV.

The water and sewer utility rates are recommended to increase to provide a combined revenue requirement of approximately \$15.5 million (FY 2023/24) which is collected from the District's water and sewer customer via monthly utility bills.

The update to the District's utility rate model is intended to evaluate the revenue required to support current and future operating and capital expenses, and contemplates increases over the next five years, pending Board direction and final approval of water and sewer rates at a future meeting.

V. **ALTERNATIVES**

Not applicable

VI. COMMENTS

There are no comments associated with this Memorandum.

VII. DISTRICT IMPROVEMENT, COST REDUCTION, RETURN ON INVESTMENT OR PRODUCTIVITY ENHANCEMENT

Increase Water and Sewer utility rates to support the District's utility operating and capital expenses in order to continue providing adequate water and sewer service to its customers.

VIII. BUSINESS IMPACT

This item is not a "rule" within the meaning of Nevada Revised Statutes, Chapter 237, and does not require a Business Impact Statement.

IX. **ATTACHMENTS**

- 1. 2023 Utility Rate Study PowerPoint Presentation
- 2. IVGID - 2023 Rate Study Combined Reserves Draft 01.31.23
- 3. IVGID - 2023 Water Rate Study Draft 01.31.23
- IVGID 2023 Wastewater Rate Study Draft 01.31.23

DECISION POINTS NEEDED FROM THE BOARD OF TRUSTEES

Provide direction and comment to staff on the Fiscal Year 2023 IVGID Utility Rate Study.



A PowerPoint presentation on the 2023 Utility Rate Study Preliminary Results given by Shawn Koorn from HDR Engineering February 8, 2023

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033
Combined Water Sewer											
Beginning Reserve Balance (Not incl Debt + Effluent)	\$3,247,558	\$5,455,639	\$6,880,041	\$7,679,181	\$8,813,215	\$9,239,364	\$10,526,329	\$11,995,651	\$12,057,243	\$12,114,932	\$12,491,901
Operating Fund											
Beginning Balance	\$2,697,558	\$2,542,961	\$2,181,295	\$2,106,186	\$2,363,465	\$2,458,959	\$2,688,886	\$3,436,712	\$3,748,233	\$4,136,389	\$4,798,926
Plus: Additions	0	162,085	37,833	257,280	332,680	318,393	747,826	311,521	388,156	662,537	614,881
Bal. / (Def.) of Funds	0	0	0	(0)	0	0	0	(0)	0	0	624
Less: Uses of Funds	(154,597)	(523,751)	(112,942)	0	(237,187)	(88,466)	0	0	0	0	0
Ending Balance	\$2,542,961	\$2,181,295	\$2,106,186	\$2,363,465	\$2,458,959	\$2,688,886	\$3,436,712	\$3,748,233	\$4,136,389	\$4,798,926	\$5,414,431
Minimum: 25% of O&M	\$2,546,832	\$2,746,544	\$2,892,832	\$3,016,804	\$3,083,748	\$3,228,659	\$3,342,845	\$3,530,135	\$3,693,387	\$3,807,353	\$4,008,967
Capital Fund											
Beginning Balance	\$550,000	\$2,912,678	\$4,698,746	\$5,572,995	\$6,449,750	\$6,780,405	\$7,837,443	\$8,558,939	\$8,309,009	\$7,978,543	\$7,692,975
Plus: Additions	4,846,390	4,851,236	4,856,087	4,860,944	4,865,804	4,870,670	4,875,541	4,880,416	4,885,297	4,890,182	4,895,072
Plus: Connection Fees	55,280	55,335	55,391	55,446	55,501	55,557	55,613	55,668	55,724	55,780	55,835
Less: Transfer to Debt Reserve	(284,000)	(851,000)	(851,000)	(851,000)	0	0	0	0	0	0	0
Less: Uses of Funds	(2,254,992)	(2,269,503)	(3,186,229)	(3,188,635)	(4,590,651)	(3,869,189)	(4,209,658)	(5,186,014)	(5,271,487)	(5,231,530)	(6,083,123)
Ending Balance	\$2,912,678	\$4,698,746	\$5,572,995	\$6,449,750	\$6,780,405	\$7,837,443	\$8,558,939	\$8,309,009	\$7,978,543	\$7,692,975	\$6,560,760
Target Minimum: Dep Exp	\$3,682,900	\$3,787,968	\$3,896,042	\$4,007,208	\$4,121,554	\$4,239,173	\$4,360,157	\$4,484,603	\$4,612,611	\$4,744,284	\$4,879,725
Effluent Reserve Fund											
Beginning Balance	\$15,463,000	\$9,051,150	\$7,115,190	\$6,592,340	\$4,070,898	\$2,413,406	\$1,550,141	\$0	\$0	\$0	\$0
Plus: Additions	0	0	0	0	0	0	0	0	0	0	0
Less: Uses of Funds	(6,411,850)	(1,935,960)	(522,850)	(2,521,442)	(1,657,492)	(863,265)	(1,550,141)	0	0	0	0
Ending Balance	\$9,051,150	\$7,115,190	\$6,592,340	\$4,070,898	\$2,413,406	\$1,550,141	\$0	\$0	\$0	\$0	\$0
Debt Reserve Fund											
Beginning Balance	\$0	\$284,000	\$1,135,000	\$1,986,000	\$2,837,000	\$2,837,000	\$2,837,000	\$2,837,000	\$2,837,000	\$2,837,000	\$2,837,000
Plus: Additions	284,000	851,000	851,000	851,000	0	0	0	0	0	0	0
Less: Uses of Funds	0	0	0	0	0	0	0	0	0	0	0
Ending Balance	\$284,000	\$1,135,000	\$1,986,000	\$2,837,000	\$2,837,000	\$2,837,000	\$2,837,000	\$2,837,000	\$2,837,000	\$2,837,000	\$2,837,000
Total Ending Balance (Not incl Debt + Effluent)	\$5,455,639	\$6,880,041	\$7,679,181	\$8,813,215	\$9,239,364	\$10,526,329	\$11,995,651	\$12,057,243	\$12,114,932	\$12,491,901	\$11,975,190
Minimum	\$6,229,732	\$6,534,512	\$6,788,874	\$7,024,012	\$7,205,302	\$7,467,831	\$7,703,001	\$8,014,738	\$8,305,998	\$8,551,636	\$8,888,692
Bal/(Def)	(\$774,093)	\$345,529	\$890,307	\$1,789,203	\$2,034,061	\$3,058,498	\$4,292,649	\$4,042,505	\$3,808,934	\$3,940,265	\$3,086,498
Total Reserves	\$14,506,789	\$13,995,231	\$14,271,521	\$12,884,113	\$11,652,770	\$12,076,470	\$11,995,651	\$12,057,243	\$12,114,932	\$12,491,901	\$11,975,190

Incline Village General Improvement District Water Rate Study Revenue Requirement Summary Exhibit 1

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	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033
Revenue											
Rate Revenues	\$5,900,172	\$5,903,666	\$5,907,161	\$5,910,663	\$5,914,166	\$5,917,672	\$5,921,182	\$5,924,693	\$5,928,207	\$5,931,726	\$5,935,248
Non-Operating Revenues	509,744	501,295	502,920	504,244	504,041	505,483	513,884	522,853	529,984	537,019	542,368
Total Revenues	\$6,409,916	\$6,404,961	\$6,410,080	\$6,414,908	\$6,418,207	\$6,423,155	\$6,435,066	\$6,447,546	\$6,458,191	\$6,468,744	\$6,477,616
Expenses											
Total Operations & Maintenance	\$4,819,272	\$5,208,075	\$5,538,489	\$5,756,991	\$5,898,117	\$6,154,561	\$6,247,823	\$6,632,318	\$6,925,534	\$7,079,768	\$7,445,013
Net Debt Service	0	0	0	0	0	0	0	0	0	0	0
Reserve Funding	1,590,644	1,787,253	2,014,627	2,365,980	2,457,862	2,443,213	2,606,066	2,485,832	2,462,858	2,586,826	2,505,778
Total Revenue Requirement	\$6,409,916	\$6,995,328	\$7,553,116	\$8,122,971	\$8,355,980	\$8,597,774	\$8,853,889	\$9,118,151	\$9,388,392	\$9,666,594	\$9,950,791
Bal. / Def.) of Funds	\$0	(\$590,367)	(\$1,143,036)	(\$1,708,063)	(\$1,937,773)	(\$2,174,619)	(\$2,418,822)	(\$2,670,605)	(\$2,930,201)	(\$3,197,850)	(\$3,473,175)
Bal. / (Def.) as a % of Rate Rev.	0.0%	10.0%	19.4%	28.9%	32.8%	36.7%	40.9%	45.1%	49.4%	53.9%	58.5%
Proposed Rate Adjustment	0.0%	10.0%	8.5%	8.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Add'l Revenue from Adj.	\$0	\$590,367	\$1,143,036	\$1,708,063	\$1,937,773	\$2,174,619	\$2,418,822	\$2,670,605	\$2,930,201	\$3,197,850	\$3,473,799
Total Bal / (Def.) of Funds	\$0	\$0	\$0	(\$0)	\$0	\$0	\$0	(\$0)	\$0	\$0	\$624
Additional Rate Increase Needed	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Avg Res Mo Bill (Fees + 10,000 gal)	\$54.98	\$59.39	\$64.19	\$69.17	\$73.34	\$73.70	\$75.91	\$78.18	\$80.53	\$82.94	\$85.43

	Budgeted					Proposed					
	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033
evenues											
Customer Growth	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Single Family - Cust Growth	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Multi-Family - Cust Growth	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Commercial - Cust Growth	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Irrigation - Cust Growth	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
IVGID - Cust Growth	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Consump Growth											
Single Family - Cons Growth	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Multi-Family - Cons Growth	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Commercial - Cons Growth	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Irrigation - Cons Growth	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
IVGID - Cons Growth	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc Revenues	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
rpenses .											
Labor	Budgeted	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Benefits - Medical	Budgeted	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%
Benefits - Other	Budgeted	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%
Professional / Special Srvcs	Budgeted	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Materials & Supplies	Budgeted	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Equipment	Budgeted	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%
Miscellaneous	Budgeted	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Utilities	Budgeted	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%
Water and Sewer	Budgeted	17.5%	12.3%	8.8%	8.5%	3.3%	3.3%	3.3%	3.3%	3.3%	3.3%
Insurance	Budgeted	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Flat	Budgeted	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CIP	Budgeted	4.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Rate Revenue Adj	0.0%	10.0%	8.5%	8.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
terest	0.7%	0.8%	0.9%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%

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	Budgeted	Proposed											
	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	Notes	
Revenues													
Rate Revenues													
Residential	\$2,691,418	\$2,692,993	\$2,694,569	\$2,696,148	\$2,697,728	\$2,699,307	\$2,700,891	\$2,702,475	\$2,704,059	\$2,705,647	\$2,707,235		
Multi Family	2,013,224	2,014,771	2,016,317	2,017,868	2,019,419	2,020,973	2,022,528	2,024,082	2,025,640	2,027,199	2,028,761		
Commercial	442,201	442,412	442,622	442,833	443,044	443,255	443,465	443,676	443,887	444,098	444,308		
Irrigation	201,612	201,666	201,720	201,773	201,827	201,881	201,935	201,989	202,042	202,096	202,150		
Commercial - IVGID	46,642	46,681	46,720	46,760	46,799	46,838	46,878	46,917	46,956	46,996	47,035		
Irrigation - IVGID	401,913	401,981	402,050	402,118	402,186	402,255	402,323	402,391	402,460	402,528	402,597		
Snowmaking - IVGID	103,163	103,163	103,163	103,163	103,163	103,163	103,163	103,163	103,163	103,163	103,163		
Total Rate Revenues	\$5,900,172	\$5,903,666	\$5,907,161	\$5,910,663	\$5,914,166	\$5,917,672	\$5,921,182	\$5,924,693	\$5,928,207	\$5,931,726	\$5,935,248		
Non-Operating Revenues													
Interest	\$20,844	\$11,906	\$13,041	\$13,876	\$13,182	\$14,133	\$22,043	\$30,520	\$37,159	\$43,701	\$48,557	Calculated	
Snow Removal Fees	80,000	80,080	80,160	80,240	80,320	80,401	80,481	80,562	80,642	80,723	80,804	As Misc Revenues	
Work Order Charges Labor	120,000	120,120	120,240	120,360	120,481	120,601	120,722	120,843	120,963	121,084	121,205	As Misc Revenues	
Work Order Chgs Eq & Materials	36,500	36,537	36,573	36,610	36,646	36,683	36,720	36,756	36,793	36,830	36,867	As Misc Revenues	
Back Flows Tests	134,400	134,534	134,669	134,804	134,938	135,073	135,208	135,344	135,479	135,614	135,750	As Misc Revenues	
Fines & Penalties	25,200	25,225	25,250	25,276	25,301	25,326	25,352	25,377	25,402	25,428	25,453	As Misc Revenues	
Fire Protection	17,760	17,778	17,796	17,813	17,831	17,849	17,867	17,885	17,903	17,920	17,938	As Misc Revenues	
Inspection/Plan Fees	44,800	44,845	44,890	44,935	44,979	45,024	45,069	45,115	45,160	45,205	45,250	As Misc Revenues	
Other Water	30,240	30,270	30,301	30,331	30,361	30,392	30,422	30,452	30,483	30,513	30,544	As Misc Revenues	
Interfund Revenue Transfers	0	0	0	0	0	0	0	0	0	0	0	As Misc Revenues	
Total Non-Operating Revenues	\$509,744	\$501,295	\$502,920	\$504,244	\$504,041	\$505,483	\$513,884	\$522,853	\$529,984	\$537,019	\$542,368		
Total Revenues	\$6,409,916	\$6,404,961	\$6,410,080	\$6,414,908	\$6,418,207	\$6,423,155	\$6,435,066	\$6,447,546	\$6,458,191	\$6,468,744	\$6,477,616		
Total Revenues	\$6,409,916	\$6,404,961	\$6,410,080	\$6,414,908	\$6,418,207	\$6,423,155	\$6,435,066	\$6,447,546	\$6,458,191	\$6,468,744	\$6,477,616		
Expenses Wages													
Other Earnings	\$53,111	\$55,767	\$58,555	\$61,483	\$64,557	\$67,785	\$71,174	\$74,733	\$78,469	\$82,393	\$86,512	As Labor	
Regular Earnings	1,591,099	1,670,654	1,754,187	1,841,896	1,933,991	2,030,690	2,132,225	2,238,836	2,350,778	2,468,317	2,591,733	As Labor	
Salary Savings from Vacant Positions	(28,554)	0	0	0	0	0	0	0	0	0	0	As Labor	
Total Wages	\$1,615,656	\$1,726,421	\$1,812,742	\$1,903,379	\$1,998,548	\$2,098,475	\$2,203,399	\$2,313,569	\$2,429,247	\$2,550,709	\$2,678,245		

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	Budgeted					Prop	osed					
	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	Notes
Benefits												
Dental Fringe Ben	\$21,726	\$23,899	\$26,288	\$28,917	\$31,809	\$34,990	\$38,489	\$42,338	\$46,572	\$51,229	\$56,352	As Benefits - Medical
Disability Fringe Ben	8,165	8,655	9,174	9,725	10,308	10,927	11,582	12,277	13,014	13,795	14,622	As Benefits - Other
Life Ins Fringe Ben	3,127	3,440	3,784	4,162	4,578	5,036	5,540	6,094	6,703	7,373	8,111	As Benefits - Medical
Medical Fringe Ben	302,051	332,256	365,482	402,030	442,233	486,456	535,102	588,612	647,473	712,220	783,443	As Benefits - Medical
Retirement Fringe Ben	292,767	310,333	328,953	348,690	369,612	391,788	415,296	440,213	466,626	494,624	524,301	As Benefits - Other
Taxes	131,510	139,401	147,765	156,631	166,028	175,990	186,549	197,742	209,607	222,183	235,514	As Benefits - Other
Unemployment Fringe Ben	25,833	27,383	29,026	30,768	32,614	34,570	36,645	38,843	41,174	43,644	46,263	As Benefits - Other
Vision Fringe Ben	2,433	2,579	2,734	2,898	3,072	3,256	3,451	3,658	3,878	4,111	4,357	As Benefits - Other
Work Comp Fringe Ben	41,153	43,622	46,240	49,014	51,955	55,072	58,376	61,879	65,592	69,527	73,699	As Benefits - Other
												As belieffes Other
Total Benefits	\$828,765	\$891,567	\$959,445	\$1,032,834	\$1,112,208	\$1,198,085	\$1,291,030	\$1,391,657	\$1,500,638	\$1,618,706	\$1,746,661	
ervices & Supplies												
Advertising - Paid	\$1,000	\$1,030	\$1,061	\$1,093	\$1,126	\$1,159	\$1,194	\$1,230	\$1,267	\$1,305	\$1,344	As Materials & Supplies
BLDGS Maintenance Services	75,760	78,033	80,374	82,785	85,269	87,827	90,461	93,175	95,971	98,850	101,815	As Materials & Supplies
Chemical	212,500	218,875	225,441	232,204	239,171	246,346	253,736	261,348	269,189	277,264	285,582	As Materials & Supplies
Computer & IT Small Equip	8,200	8,446	8,699	8,960	9,229	9,506	9,791	10,085	10,388	10,699	11,020	As Materials & Supplies
Computer License & Fees	78,859	81,225	83,662	86,171	88,756	91,419	94,162	96,987	99,896	102,893	105,980	As Materials & Supplies
Contractual Services	12,960	13,349	13,749	14,162	14,587	15,024	15,475	15,939	16,417	16,910	17,417	As Materials & Supplies
Dues & Subscriptions	9,338	9,618	9,907	10,204	10,510	10,825	11,150	11,485	11,829	12,184	12,549	As Materials & Supplies
Employee Recruit & Retain	14,950	15,399	15,860	16,336	16,826	17,331	17,851	18,387	18,938	19,506	20,092	As Materials & Supplies
Fleet Maintenance Services	206,318	212,508	218,883	225,449	232,213	239,179	246,354	253,745	261,357	269,198	277,274	As Materials & Supplies
Fuel	38,880	40,435	42,053	43,735	45,484	47,303	49,196	51,163	53,210	55,338	57,552	As Utilities
Janitorial	1,500	1,545	1,591	1,639	1,688	1,739	1,791	1,845	1,900	1,957	2,016	As Materials & Supplies
Lab	28,000	28,840	29,705	30,596	31,514	32,460	33,433	34,436	35,470	36,534	37,630	As Materials & Supplies
Office Supplies	12,050	12,412	12,784	13,167	13,562	13,969	14,388	14,820	15,265	15,723	16,194	As Materials & Supplies
Operating	65,630	67,599	69,627	71,716	73,867	76,083	78,366	80,717	83,138	85,632	88,201	As Materials & Supplies
Permits & Fees	38,572	39,729	40,921	42,149	43,413	44,716	46,057	47,439	48,862	50,328	51,838	As Materials & Supplies
Postage	17,000	17,510	18,035	18,576	19,134	19,708	20,299	20,908	21,535	22,181	22,847	As Materials & Supplies
R&M General	44,975	46,324	47,714	49,145	50,620	52,138	53,703	55,314	56,973	58,682	60,443	As Materials & Supplies
R&M Corrective	175,385	180,647	186,066	191,648	197,397	203,319	209,419	215,701	222,172	228,838	235,703	As Materials & Supplies
R&M Preventative	81,695	84,146	86,670	89,270	91,948	94,707	97,548	100,475	103,489	106,593	109,791	As Materials & Supplies
Rental & Lease	960	989	1,018	1,049	1,080	1,113	1,146	1,181	1,216	1,253	1,290	As Materials & Supplies
Repairs & Maintenance	0	0	0	0	0	0	0	0	0	0	0	See Shared and Capital Exp
Safety	8,400	8,652	8,912	9,179	9,454	9,738	10,030	10,331	10,641	10,960	11,289	As Materials & Supplies
Security	2,980	3,069	3,161	3,256	3,354	3,455	3,558	3,665	3,775	3,888	4,005	As Materials & Supplies
Small Equipment	9,800	10,094	10,397	10,709	11,030	11,361	11,702	12,053	12,414	12,787	13,170	As Materials & Supplies
Tools	9,300	9,579	9,866	10,162	10,467	10,781	11,105	11,438	11,781	12,134	12,498	As Materials & Supplies
Training & Education	26,100	26,883	27,689	28,520	29,376	30,257	31,165	32,100	33,063	34,055	35,076	As Materials & Supplies
Travel & Conferences	17,200	17,716	18,247	18,795	19,359	19,940	20,538	21,154	21,788	22,442	23,115	As Materials & Supplies
Uniforms	15,700	16,171	16,656	17,156	17,670	18,201	18,747	19,309	19,888	20,485	21,099	As Materials & Supplies
Engineering Services	97,976	102,875	108,019	113,419	119,090	125,045	131,297	137,862	144,755	151,993	159,593	As Professional / Special Srvo
												, . , . ,
Total Services & Supplies	\$1,311,988	\$1,353,696	\$1,396,769	\$1,441,253	\$1,487,196	\$1,534,648	\$1,583,662	\$1,634,290	\$1,686,587	\$1,740,612	\$1,796,424	

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	Budgeted					Prop	osed					
_	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	Notes
Other												
Central Services Allocation Cs	\$0	\$288,129	\$296,773	\$305,676	\$314,846	\$324,292	\$334,020	\$344,041	\$354,362	\$364,993	\$375,943	As Materials & Supplies
Defensible Space Costs	50,000	51,500	53,045	54,636	56,275	57,964	59,703	61,494	63,339	65,239	67,196	As Materials & Supplies
General Liability - Insurance	121,900	125,557	129,324	133,203	137,200	141,316	145,555	149,922	154,419	159,052	163,823	As Insurance
Audit	5,850	6,026	6,206	6,392	6,584	6,782	6,985	7,195	7,411	7,633	7,862	As Materials & Supplies
Legal	12,000	12,360	12,731	13,113	13,506	13,911	14,329	14,758	15,201	15,657	16,127	As Materials & Supplies
Professional Consultants	62,500	65,625	68,906	72,352	75,969	79,768	83,756	87,944	92,341	96,958	101,806	As Professional / Special Srvc
Interfund Expense Transfers	(614,135)	(460,564)	(464,512)	(476,551)	(422,043)	(451,925)	(503,326)	(542,316)	(556,470)	(490,626)	(526,016)	As Materials & Supplies
Capital Expenses	100,000	250,000	375,000	355,000	425,000	370,000	80,000	100,000	80,000	120,000	80,000	As Materials & Supplies
Shared Capital Expenses	850,000	348,500	320,000	320,000	72,500	135,500	276,500	370,000	370,000	72,500	147,500	As Materials & Supplies
Total Other	\$588,115	\$687,132	\$797,473	\$783,822	\$679,838	\$677,607	\$497,522	\$593,037	\$580,603	\$411,406	\$434,241	
Utilities												
Cable TV	\$1,943	\$2,021	\$2,102	\$2,186	\$2,273	\$2,364	\$2,459	\$2,557	\$2,659	\$2,765	\$2,876	As Utilities
Electricity	409,100	425,464	442,483	460,182	478,589	497,733	517,642	538,348	559,882	582,277	605,568	As Utilities
Heating	11,200	11,648	12,114	12,598	13,102	13,627	14,172	14,738	15,328	15,941	16,579	As Utilities
Internet	11,600	12,064	12,547	13,048	13,570	14,113	14,678	15,265	15,875	16,510	17,171	As Utilities
Telephone	30,905	32,141	33,427	34,764	36,154	37,601	39,105	40,669	42,296	43,987	45,747	As Utilities
Trash	7,100	7,384	7,679	7,987	8,306	8,638	8,984	9,343	9,717	10,106	10,510	As Utilities
Water & Sewer	2,900	3,408	3,825	4,160	4,513	4,660	4,811	4,968	5,129	5,296	5,468	As Water and Sewer
Total Utilities	\$474,748	\$494,129	\$514,176	\$534,924	\$556,509	\$578,735	\$601,850	\$625,887	\$650,886	\$676,883	\$703,918	
Future O&M												
Additional Staffing Needs	\$0	\$55,130	\$57,886	\$60,780	\$63,819	\$67,010	\$70,361	\$73,879	\$77,573	\$81,451	\$85,524	As Labor
One-Time Inflation Contingency	0	0	0	0	0	0	0	0	0	0	0	As Labor
Budget Savings	0	0	0	0	0	0	0	0	0	0	0	
Total Future O&M	\$0	\$55,130	\$57,886	\$60,780	\$63,819	\$67,010	\$70,361	\$73,879	\$77,573	\$81,451	\$85,524	
Total Operations & Maintenance	\$4,819,272	\$5,208,075	\$5,538,489	\$5,756,991	\$5,898,117	\$6,154,561	\$6,247,823	\$6,632,318	\$6,925,534	\$7,079,768	\$7,445,013	
Debt Service	6102.272	¢102.272	6102.272	6102.272	¢102.272	6102.272	6102.272	¢102.272	6102.272	6102.272	6102.272	Eviating Daht
NV DWSRF 2012 NV Drk Wtr Loan 2005	\$193,372	\$193,372	\$193,372	\$193,372	\$193,372	\$193,372 0	\$193,372 0	\$193,372 0	\$193,372 0	\$193,372 0	\$193,372 0	Existing Debt
NV Drk Wtr Loan 2005 New SRF Loans	113,648	113,648 0	113,648	113,648	56,824 0	0	0	0	0	0	0	Existing Debt
New Skr Loans New Revenue Bonds	0	110,467	110,467	257,630	257,630	257,630	257,630	257,630	257,630	257,630	257,630	Calc @ 2.4% for 20 Yrs Calc @ 4.6% for 20 Yrs
			/									Calc @ 4.0% 101 20 115
Total Debt Service	\$307,020	\$417,487	\$417,487	\$564,650	\$507,826	\$451,002	\$451,002	\$451,002	\$451,002	\$451,002	\$451,002	
Less Capital Reserve Funding	\$307,020	\$417,487	\$417,487	\$564,650	\$507,826	\$451,002	\$451,002	\$451,002	\$451,002	\$451,002	\$451,002	
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	

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	Budgeted					Prop	osed					
	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	Notes
Reserve Funding												
Operating Fund Transfer	(\$32,901)	\$162,085	\$37,833	\$97,560	(\$237,187)	(\$88,466)	\$472,755	\$75,889	\$176,280	\$403,611	\$440,924	
Capital Fund Transfer	1,623,545	1,625,168	1,626,793	1,628,420	1,630,049	1,631,679	1,633,310	1,634,944	1,636,579	1,638,215	1,639,853	As Customer Growth
Additional Capital Funding	0	0	350,000	640,000	1,065,000	900,000	500,000	775,000	650,000	545,000	425,000	
Debt Reserve Fund	0	0	0	0	0	0	0	0	0	0	0	
Total Reserve Funding	\$1,590,644	\$1,787,253	\$2,014,627	\$2,365,980	\$2,457,862	\$2,443,213	\$2,606,066	\$2,485,832	\$2,462,858	\$2,586,826	\$2,505,778	
Total Revenue Requirement	\$6,409,916	\$6,995,328	\$7,553,116	\$8,122,971	\$8,355,980	\$8,597,774	\$8,853,889	\$9,118,151	\$9,388,392	\$9,666,594	\$9,950,791	
Bal/(Def.) of Funds	\$0	(\$590,367)	(\$1,143,036)	(\$1,708,063)	(\$1,937,773)	(\$2,174,619)	(\$2,418,822)	(\$2,670,605)	(\$2,930,201)	(\$3,197,850)	(\$3,473,175)	
Rate Adj. as a % of Rate Rev.	0.0%	10.0%	19.4%	28.9%	32.8%	36.7%	40.9%	45.1%	49.4%	53.9%	58.5%	
Proposed Rate Adjustment	0.0%	10.0%	8.5%	8.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	
Effective Months	12	12	12	12	12	12	12	12	12	12	12	
Add'l Revenue from Adj.	\$0	\$590,367	\$1,143,036	\$1,708,063	\$1,937,773	\$2,174,619	\$2,418,822	\$2,670,605	\$2,930,201	\$3,197,850	\$3,473,799	
Total Bal / (Def.) of Funds	\$0	\$0	\$0	(\$0)	\$0	\$0	\$0	(\$0)	\$0	\$0	\$624	
Additional Rate Increase Needed	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
DSC Ratio												
Before Rate Adjustment	5.18	2.87	2.09	1.17	1.02	0.60	0.42	0.00	0.00	0.00	0.00	
After Rate Adjustment	5.18	4.28	4.83	4.19	4.84	5.42	5.78	5.51	5.46	5.74	5.56	
Avg Res Mo Bill (Fees + 10,000 gal)	\$54.98											
After Proposed Rate Adjustment	\$54.98	\$59.39	\$64.19	\$69.17	\$73.34	\$73.70	\$75.91	\$78.18	\$80.53	\$82.94	\$85.43	
Annual \$ Change		4.41	4.80	4.97	4.18	0.35	2.21	2.28	2.35	2.42	2.49	
Annual & Change		4.41	4.00	4.57	4.10	0.55	2.21	2.20	2.55	2.72	2.43	

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	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	Total
Capital Improvements - Water												
SCADA Management Servers/Network - BCDP	\$0	\$0	\$74,984	\$0	\$0	\$0	\$0	\$99,345	\$0	\$0	\$0	\$174,329
Water Pumping Station Improvements	50,000	104,000	107,120	110,334	113,644	117,053	120,565	124,181	127,907	131,744	135,696	1,242,243
Burnt Cedar Water Disinfection Plant Improvements	25,000	26,000	160,680	1,655,004	0	0	0	0	0	0	0	1,866,684
Removal of Washoe 1 Water Intake Line	0	0	0	0	0	0	0	0	0	0	0	0
Water Pump Station 2-1 Improvements	0	416,000	0	0	0	117,053	0	0	0	0	0	533,053
2013 Mid Size Truck #630 Compliance	0	0	0	0	0	0	0	0	0	46,110	0	46,110
Watermain Replacement - Crystal Peak Road	1,500,000	0	0	0	0	0	0	0	0	0	0	1,500,000
Watermain Replacement - Slott Pk Ct	0	0	0	0	0	0	0	0	0	0	0	0
Watermain Replacement - Alder Avenue Ponderosa Ranch/Tunnel Creek	65,000	1,300,000	0	0	0	0	0	0	0	0	0	1,365,000
Watermain Replacement - Future	0	52,000	856,960	882,669	909,149	936,423	964,516	993,452	1,023,255	1,053,953	1,085,571	8,757,948
R6-1 Tank Road Construction	0	0	133,900	0	0	0	0	0	0	0	0	133,900
R2-1 Reservoir Roof Replacement	0	0	0	0	340,931	0	0	0	0	0	0	340,931
R-2 Interior Tank Rehabilitation	0	0	0	132,400	0	0	0	0	0	0	0	132,400
Fire Hydrant Replacement Program	0	260,000	267,800	275,834	284,109	292,632	0	0	0	0	0	1,380,375
BCWDP Emergency Generator Fuel Tank	0	260,000	0	0	0	0	0	0	0	0	0	260,000
LIMSs Software	55,000	0	0	0	0	0	0	0	0	0	0	55,000
Total Capital Improvements - Water	\$1,695,000	\$2,418,000	\$1,601,444	\$3,056,241	\$1,647,832	\$1,463,161	\$1,085,081	\$1,216,978	\$1,151,162	\$1,231,807	\$1,221,268	\$17,787,974

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	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	Total
Capital Improvements - Shared (50% Water)												
Replace Public Works Front Security Gate	\$0	\$0	\$0	\$0	\$45,457	\$0	\$0	\$0	\$0	\$0	\$59,109	\$104,567
Replace Roof Public Works #B	0	0	0	0	56,822	0	0	0	0	0	0	56,822
Building B Replacement	0	0	0	0	0	0	0	62,091	0	0	0	62,091
Loader Tire Chains - 2 Sets	0	0	0	11,420	0	0	0	13,412	0	0	0	24,831
2002 Caterpillar 950G Loader #523	0	0	0	0	0	0	0	0	0	187,735	0	187,735
2002 Caterpillar 950G Loader #525	0	0	0	0	0	0	0	0	0	0	193,367	193,367
2018 MultiHog MX120 Snowblower #783	0	0	0	97,094	0	0	0	0	0	0	0	97,094
1997 Forklift #315	0	0	0	0	20,456	0	0	0	0	0	0	20,456
2013 Trackless Snowblower #687	0	0	0	0	102,279	0	0	0	118,314	0	0	220,593
2001 105KW Mobile Generator #313	0	0	0	0	0	0	39,183	0	. 0	0	0	39,183
2020 Vac-Con Truck #807	0	0	0	0	269,904	0	0	0	0	0	0	269,904
2004 Freightliner Vactor Truck #534	0	0	0	209,634	0	0	0	0	0	0	0	209,634
2020 Chevy Dump Truck #829	0	0	0	0	0	0	0	49,673	0	0	119,413	169,085
2001 Peterbilt Bin Truck #468	0	0	101,764	0	0	0	0	0	0	0	0	101,764
Snowplow #300A	0	0	0	0	0	0	0	0	0	13,833	0	13,833
Slurry Liquidator #326	0	0	0	0	0	0	0	0	26,221	0	0	26,221
2004 9' Western Snow Plow #542A	0	0	0	0	0	0	0	0	0	0	0	0
2019 Sander/Spreader #808	0	0	5,356	0	0	0	0	7,451	0	0	0	12,807
2012 Snowplow #669B	0	0	6,427	0	0	0	0	0	0	5,270	0	11,697
2017 Caterpillar 420F2 Backhoe #755	0	0	0	0	0	0	0	0	0	92,221	0	92,221
2013 Chevy Equinox #691	0	19,240	0	0	0	0	0	0	0	0	0	19,240
2009 Chevrolet 1/2 ton Pick-up #826 Compliance Dept.	0	0	0	0	0	18,143	0	0	0	0	0	18,143
2013 1/2 Ton Pick-Up #677 Treatment	0	19,240	0	0	0	0	0	0	0	0	0	19,240
2003 GMC 3/4-Ton Pick-up #702	0	0	21,424	0	0	0	0	0	0	0	0	21,424
2005 Chevy 1/2-Ton Pick-up #553	0	0	20,353	0	0	0	0	0	0	0	24,425	44,778
2009 Chevrolet 1/2 Ton Pick-up Truck #631	0	0	20,353	0	0	0	0	0	0	0	23,068	43,421
2009 Chevrolet 1/2 Ton Pick-up Truck #632 Engineering Dept.	0	0	0	17,653	0	0	0	0	0	0	23,068	40,722
2012 Extend-A-Cab Pick-up #678 Pipeline Dept.	0	0	0	20,412	0	0	0	0	21,744	0	0	42,156
2004 3/4-Ton Service Truck w/liftgate & crane #703	0	0	31,065	0	0	0	0	0	0	0	0	31,065
2013 1-Ton Flatbed #679 Pipeline Dept.	0	0	0	0	26,138	0	0	0	0	0	0	26,138
2012 1-Ton Service Truck w/ Liftgate #668 Treatment	0	0	0	25,928	0	0	0	0	0	0	31,210	57,139
2013 1-Ton Service Truck #680 Utilities Electrician	0	22,880	0	0	0	0	0	0	0	0	0	22,880
2004 GMC 1-Ton Flatbed #825 Pipeline Dept.	0	0	0	0	0	0	0	39,738	0	0	0	39,738
2008 Chevrolet Service Truck #810	0	0	0	0	0	0	0	21,111	0	0	0	21,111
2008 Chevrolet Service Truck #680	0	0	0	27,032	0	0	0	0	0	0	33,924	60,956
2011 Chevrolet Service Truck #647 Treatment	0	0	0	0	0	0	0	0	31,337	0	0	31,337
Public Works Billing Software Replacement	0	104,000	0	0	0	0	0	0	0	0	0	104,000
Large Format Printer Replacement	0	0	0	15,998	0	0	0	0	0	0	0	15,998
Pavement Maintenance, Reservoir 3-1 WPS 4-2/5-1	45,000	130,000	0	0	0	0	0	0	0	0	0	175,000
Medium Duty Truck Plow	8,250	0	0	0	0	0	0	0	0	0	0	8,250
Chevy 1/2 Ton Pick-up Truck	18,600	0	0	0	0	0	0	0	0	0	0	18,600
Utilities System and Plant Controls Upgrade	0	0	133,900	137,917	142,055	0	0	0	0	0	0	413,872
Total Capital Improvements - Shared (50% Water)	\$71,850	\$295,360	\$340,642	\$563,088	\$663,110	\$18,143	\$39,183	\$193,475	\$197,616	\$299,059	\$507,586	\$3,189,112

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	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	Total
Less R&M Funded Items (O&M)	0	0	0	0	0	0	0	0	0	0	0	\$0
Future Unidentified Projects	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
To Capital Reserves	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Capital Improvement Projects	\$1,766,850	\$2,713,360	\$1,942,086	\$3,619,328	\$2,310,943	\$1,481,305	\$1,124,264	\$1,410,453	\$1,348,778	\$1,530,866	\$1,728,854	\$20,977,086
Less: Outside Funding Sources												
Operating Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Capital Fund	1,562,322	1,143,360	1,592,086	979,328	1,245,943	581,305	624,264	635,453	698,778	985,866	1,303,854	11,352,559
Grant Funding	204,528	0	0	0	0	0	0	0	0	0	0	204,528
Debt Reserve Fund	0	0	0	0	0	0	0	0	0	0	0	0
New SRF Loans	0	0	0	0	0	0	0	0	0	0	0	0
New Revenue Bonds	0	1,570,000	0	2,000,000	0	0	0	0	0	0	0	3,570,000
Total Outside Funding Sources	\$1,766,850	\$2,713,360	\$1,592,086	\$2,979,328	\$1,245,943	\$581,305	\$624,264	\$635,453	\$698,778	\$985,866	\$1,303,854	\$15,127,087
Rate Funded Capital	\$0	\$0	\$350,000	\$640,000	\$1,065,000	\$900,000	\$500,000	\$775,000	\$650,000	\$545,000	\$425,000	\$5,850,000

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Incline Village General Improvement District
Water Rate Study
Exhibit 5
Existing Debt Service

Year	NV DWSRF 2012	NV Drk Wtr Loan 2005	Total
FY 2023	\$193,372	\$113,648	\$307,020
FY 2024	193,372	113,648	307,020
FY 2025	193,372	113,648	307,020
FY 2026	193,372	113,648	307,020
FY 2027	193,372	56,824	250,196
FY 2028	193,372	0	193,372
FY 2029	193,372	0	193,372
FY 2030	193,372	0	193,372
FY 2031	193,372	0	193,372
FY 2032	193,372	0	193,372
FY 2033	193,372	0	193,372
FY 2034	0	0	0
FY 2035	0	0	0
FY 2036	0	0	0
FY 2037	0	0	0
FY 2038	0	0	0
FY 2039	0	0	0
FY 2040	0	0	0
FY 2041	0	0	0
	\$2,127,090	\$511, 41 6	\$2,638,506

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		July	August	September	October	November	December	January	February	March	April	May	June	Total
Residential														
Meter Fee	\$ / Acct.	Capital Improv												
3/4"	\$15.10	\$15.10 3,698	3,698	3,698	3,698	3,698	3,698	3,698	3,698	3,698	3,698	3,698	3,698	3,698
		3,698	3,698	3,698	3,698	3,698	3,698	3,698	3,698	3,698	3,698	3,698	3,698	3,698
Tota	al Meter Fee Revenue	\$111,680	\$111,680	\$111,680	\$111,680	\$111,680	\$111,680	\$111,680	\$111,680	\$111,680	\$111,680	\$111,680	\$111,680	\$1,340,155
Admin Fee	\$4.23	3,698	3,698	3,698	3,698	3,698	3,698	3,698	3,698	3,698	3,698	3,698	3,698	
Defensible Space	\$1.05	3,698	•	3,698	3,698	3,698	3,698	3,698	3,698	3,698	3,698	3,698	3,698	
		\$19,525	\$19,525	\$19,525	\$19,525	\$19,525	\$19,525	\$19,525	\$19,525	\$19,525	\$19,525	\$19,525	\$19,525	\$234,305
Water Use	\$ / 1,000 ga	I												
All Use	\$1.95	73,397	77,093	61,932	62,827	18,773	12,528	11,081	9,330	10,029	11,311	40,008	67,200	455,509
20,000 - 60,000	1.17	25,163	26,197	19,764	20,082	694	551	716	383	297	795	9,770	22,218	126,631
60,000+	1.69	9,003	11,280	6,464	6,737	837	973	935	133	374	660	2,872	7,400	47,667
Tota	al Water Use Revenue	\$187,779	\$200,045	\$154,814	\$157,395	\$38,833	\$26,718	\$24,027	\$18,866	\$20,535	\$24,103	\$94,300	\$169,541	\$1,116,958
Total Residential		\$318,985	\$331,250	\$286,020	\$288,600	\$170,038	\$157,924	\$155,232	\$150,071	\$151,740	\$155,308	\$225,505	\$300,746	\$2,691,418
Multi Family														
Meter Fee	\$ / Acct.													
3/4"	\$15.10	\$15.10 4,090	4,090	4,090	4,090	4,090	4,090	4,090	4,090	4,090	4,090	4,090	4,090	4,090
		4,090	4,090	4,090	4,090	4,090	4,090	4,090	4,090	4,090	4,090	4,090	4,090	4,090
Tota	al Meter Fee Revenue	\$123,518	\$123,518	\$123,518	\$123,518	\$123,518	\$123,518	\$123,518	\$123,518	\$123,518	\$123,518	\$123,518	\$123,518	\$1,482,216
Admin Fee	\$4.23	259	259	259	259	259	259	259	259	259	259	259	259	259
Defensible Space	1.05	4,090	4,090	4,090	4,090	4,090	4,090	4,090	4,090	4,090	4,090	4,090	4,090	4,090
		\$5,390	\$5,390	\$5,390	\$5,390	\$5,390	\$5,390	\$5,390	\$5,390	\$5,390	\$5,390	\$5,390	\$5,390	\$64,681
Water Use	\$ / 1,000 ga	ı												
All Use	\$1.95	30,346	31,009	24,541	24,563	19,259	11,656	10,831	10,553	10,527	9,970	17,344	27,821	228,421
Tier 1	1.17	1,869	1,652	848	848	333	25	14	5	0	104	574	1,389	7,661
Tier 2	1.69	1,438	1,940	929	929	173	0	0	0	0	3	588	1,068	7,067
Tota	al Water Use Revenue	\$63,793	\$65,680	\$50,417	\$50,460	\$38,236	\$22,758	\$21,138	\$20,585	\$20,528	\$19,568	\$35,485	\$57,680	\$466,327
Total Multi Family		\$192,701	\$194,588	\$179,325	\$179,368	\$167,144	\$151,666	\$150,046	\$149,493	\$149,436	\$148,476	\$164,393	\$186,588	\$2,013,224

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		_	July	August	September	October	November	December	January	February	March	April	May	June	Total
Commercial															
Meter Fee	\$ / Acct.														
3/4"	\$15.10	\$15.10	72	72	72	72	72	72	72	72	72	72	72	72	72
1"	25.22	25.22	53	53	53	53	53	53	53	53	53	53	53	53	53
1 1/2"	50.28	50.28	41	41	41	41	41	41	41	41	41	41	41	41	41
2"	80.48	80.48	26	26	26	26	26	26	26	26	26	26	26	26	26
3"	151.00	151.00	6	6	6	6	6	6	6	6	6	6	6	6	6
4"	251.72	251.72	3	3	3	3	3	3	3	3	3	3	3	3	3
6"	503.28	503.28	2	2	2	2	2	2	2	2	2	2	2	2	2
8"	805.28	805.28	1	1	1	1	1	1	1	1	1	1	1	1	1
10"	1,157.72	1,157.42	0	0	0	0	0	0	0	0	0	0	0	0	0
			204	204	204	204	204	204	204	204	204	204	204	204	204
Total	Meter Fee Revenue		\$20,102	\$20,102	\$20,102	\$20,102	\$20,102	\$20,102	\$20,102	\$20,102	\$20,102	\$20,102	\$20,102	\$20,102	\$241,221
Admin Fee	\$4.23		204	204	204	204	204	204	204	204	204	204	204	204	
Defensible Space	1.05		204	204	204	204	204	204	204	204	204	204	204	204	
			\$1,077	\$1,077	\$1,077	\$1,077	\$1,077	\$1,077	\$1,077	\$1,077	\$1,077	\$1,077	\$1,077	\$1,077	\$12,925
Water Use	\$ / 1,000 ga	I													
All Use	\$1.95		9,149	8,574	7,119	7,212	8,110	5,908	5,179	4,374	5,206	4,813	5,959	7,740	79,343
Tier 1	1.17		2,029	1,712	1,576	1,589	1,796	1,224	1,161	991	1,323	1,167	1,388	1,568	17,523
Tier 2	1.69		1,509	1,171	515	515	29	1,642	582	105	209	163	263	890	7,594
Total	Water Use Revenue		\$22,764	\$20,701	\$16,596	\$16,793	\$17,965	\$15,728	\$12,442	\$9,867	\$12,054	\$11,025	\$13,688	\$18,432	\$188,055
Total Commercial			\$43,943	\$41,880	\$37,775	\$37,972	\$39,144	\$36,906	\$33,620	\$31,046	\$33,233	\$32,204	\$34,867	\$39,611	\$442,201

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		_	July	August	September	October	November	December	January	February	March	April	May	June	Total
Irrigation															
Meter Fee	\$ / Acct.														
3/4"	\$15.10	\$15.10	16	16	16	16	16	16	16	16	16	16	16	16	16
1"	25.22	25.22	20	20	20	20	20	20	20	20	20	20	20	20	20
1 1/2"	50.28	50.28	9	9	9	9	9	9	9	9	9	9	9	9	9
2"	80.48	80.48	12	12	12	12	12	12	12	12	12	12	12	12	12
3"	151.00	151.00	2	2	2	2	2	2	2	2	2	2	2	2	2
4"	251.72	251.72	2	2	2	2	2	2	2	2	2	2	2	2	2
6"	503.28	503.28	0	0	0	0	0	0	0	0	0	0	0	0	0
8"	805.28	805.28	0	0	0	0	0	0	0	0	0	0	0	0	0
10"	1,157.72	1,157.42	0	0	0	0	0	0	0	0	0	0	0	0	0
			61	61	61	61	61	61	61	61	61	61	61	61	61
Tota	l Meter Fee Revenue		\$5,939	\$5,939	\$5,939	\$5,939	\$5,939	\$5,939	\$5,939	\$5,939	\$5,939	\$5,939	\$5,939	\$5,939	\$71,273
Admin Fee	\$4.23		61	61	61	61	61	61	61	61	61	61	61	61	
Defensible Space	0.00		61	61	61	61	61	61	61	61	61	61	61	61	
			\$258	\$258	\$258	\$258	\$258	\$258	\$258	\$258	\$258	\$258	\$258	\$258	\$3,096
Water Use	\$ / 1,000 ga	ı													
All Use	\$2.00		9,286	9,341	7,237	7,237	266	107	54	52	88	994	4,241	8,434	47,336
Tier 1	1.20		3,200	3,075	2,253	2,253	0	0	0	0	0	114	1,187	2,981	15,064
Tier 2	1.73		1,989	2,006	1,240	1,240	0	0	0	0	0	0	356	1,546	8,378
Total	Water Use Revenue		\$25,852	\$25,843	\$19,323	\$19,323	\$531	\$214	\$108	\$104	\$175	\$2,125	\$10,523	\$23,121	\$127,243
Total Irrigation			\$32,050	\$32,041	\$25,520	\$25,520	\$6,729	\$6,411	\$6,305	\$6,302	\$6,373	\$8,323	\$16,721	\$29,318	\$201,612

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			July	August	September	October	November	December	January	February	March	April	May	June	Total
Commercial - IVGID															
Meter Fee	\$ / Acct.														
3/4"	\$15.10	\$15.10	4	4	4	4	4	4	4	4	4	4	4	4	4
1"	25.22	25.22	7	7	7	7	7	7	7	7	7	7	7	7	7
1 1/2"	50.28	50.28	5	5	5	5	5	5	5	5	5	5	5	5	5
2"	80.48	80.48	9	9	9	9	9	9	9	9	9	9	9	9	9
3"	151.00	151.00	1	1	1	1	1	1	1	1	1	1	1	1	1
4"	251.72	251.72	0	0	0	0	0	0	0	0	0	0	0	0	0
6"	503.28	503.28	0	0	0	0	0	0	0	0	0	0	0	0	0
8"	805.28	805.28	0	0	0	0	0	0	0	0	0	0	0	0	0
10"	1,157.72	1,157.42	0	0	0	0	0	0	0	0	0	0	0	0	0
			26	26	26	26	26	26	26	26	26	26	26	26	26
Total I	Meter Fee Revenue		\$2,727	\$2,727	\$2,727	\$2,727	\$2,727	\$2,727	\$2,727	\$2,727	\$2,727	\$2,727	\$2,727	\$2,727	\$32,728
Admin Fee	\$4.23		26	26	26	26	26	26	26	26	26	26	26	26	26
Defensible Space	1.05		26	26	26	26	26	26	26	26	26	26	26	26	26
			\$137	\$137	\$137	\$137	\$137	\$137	\$137	\$137	\$137	\$137	\$137	\$137	\$1,647
Water Use	\$ / 1,000 gal														
All Use	\$1.95		657	587	462	460	421	319	331	342	536	590	515	393	5,612
Tier 1	1.17		152	70	75	75	0	0	0	0	150	213	196	17	947
Tier 2	1.69		0	0	0	0	0	0	0	0	0	128	0	0	128
Total V	Vater Use Revenue		\$1,458	\$1,225	\$988	\$984	\$821	\$622	\$645	\$667	\$1,221	\$1,615	\$1,233	\$786	\$12,266
Total Commercial - IVGID			\$4,323	\$4,090	\$3,852	\$3,848	\$3,686	\$3,486	\$3,509	\$3,532	\$4,086	\$4,480	\$4,098	\$3,651	\$46,642

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		_	July	August	September	October	November	December	January	February	March	April	May	June	Total
Irrigation - IVGID															
Meter Fee	\$ / Acct.														
3/4"	\$15.10	\$15.10	3	3	3	3	3	3	3	3	3	3	3	3	3
1"	25.22	25.22	5	5	5	5	5	5	5	5	5	5	5	5	5
1 1/2"	50.28	50.28	2	2	2	2	2	2	2	2	2	2	2	2	2
2"	80.48	80.48	4	4	4	4	4	4	4	4	4	4	4	4	4
3"	151.00	151.00	3	3	3	3	3	3	3	3	3	3	3	3	3
4"	251.72	251.72	9	9	9	9	9	9	9	9	9	9	9	9	9
6"	503.28	503.28	0	0	0	0	0	0	0	0	0	0	0	0	0
8"	805.28	805.28	0	0	0	0	0	0	0	0	0	0	0	0	0
10"	1,157.72	1,157.42	0	0	0	0	0	0	0	0	0	0	0	0	0
			26	26	26	26	26	26	26	26	26	26	26	26	26
Total I	Meter Fee Revenue		\$6,625	\$6,625	\$6,625	\$6,625	\$6,625	\$6,625	\$6,625	\$6,625	\$6,625	\$6,625	\$6,625	\$6,625	\$79,496
Admin Fee	\$4.23		26	26	26	26	26	26	26	26	26	26	26	26	26
Defensible Space	1.05		26	26	26	26	26	26	26	26	26	26	26	26	26
			\$137	\$137	\$137	\$137	\$137	\$137	\$137	\$137	\$137	\$137	\$137	\$137	\$1,647
Water Use	\$ / 1,000 gal														
All Use	\$2.00		23,359	20,325	10,573	10,573	10	2	21	14	524	3,177	12,406	22,745	103,730
Tier 1	1.20		6,845	6,730	4,617	4,617	0	0	0	0	0	559	4,841	6,216	34,427
Tier 2	1.73		12,322	9,444	1,926	1,926	0	0	0	0	0	0	3,598	12,400	41,617
Total V	Nater Use Revenue		\$76,250	\$65,066	\$30,018	\$30,018	\$21	\$4	\$42	\$29	\$1,048	\$7,024	\$36,846	\$74,403	\$320,769
Total Irrigation - IVGID			\$83,012	\$71,828	\$36,780	\$36,780	\$6,783	\$6,766	\$6,804	\$6,791	\$7,810	\$13,786	\$43,608	\$81,165	\$401,913

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		_	July	August	September	October	November	December	January	February	March	April	May	June	Total
Snowmaking - IVGID															
Meter Fee	\$ / Acct.														
3/4"	\$15.10	\$15.10	0	0	0	0	0	0	0	0	0	0	0	0	0
1"	25.22	25.22	0	0	0	0	0	0	0	0	0	0	0	0	0
1 1/2"	50.28	50.28	0	0	0	0	0	0	0	0	0	0	0	0	0
2"	80.48	80.48	0	0	0	0	0	0	0	0	0	0	0	0	0
3"	151.00	151.00	0	0	0	0	0	0	0	0	0	0	0	0	0
4"	251.72	251.72	0	0	0	0	0	0	0	0	0	0	0	0	0
6"	503.28	503.28	0	0	0	0	0	0	0	0	0	0	0	0	0
8"	805.28	805.28	0	0	0	0	0	0	0	0	0	0	0	0	0
10"	1,157.72	1,157.42	1	1	1	1	1	1	1	1	1	1	1	1	1
			1	1	1	1	1	1	1	1	1	1	1	1	1
τ	otal Meter Fee Revenue		\$2,315	\$2,315	\$2,315	\$2,315	\$2,315	\$2,315	\$2,315	\$2,315	\$2,315	\$2,315	\$2,315	\$2,315	\$27,782
Admin Fee	\$4.23		1	1	1	1	1	1	1	1	1	1	1	1	1
Defensible Space			1	1	1	1	1	1	1	1	1	1	1	1	1
			\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$51
Water Use	\$ / 1,000 ga	ı													
All Use	\$2.00		21	0	0	30	17,482	20,044	9	0	0	0	49	30	37,665
Tier 1	1.20														0
Tier 2	1.73														0
To	tal Water Use Revenue		\$42	\$0	\$0	\$60	\$34,965	\$40,088	\$18	\$0	\$0	\$0	\$98	\$59	\$75,330
Total Snowmaking - I	VGID		\$2,361	\$2,319	\$2,319	\$2,379	\$37,284	\$42,407	\$2,338	\$2,319	\$2,319	\$2,319	\$2,418	\$2,378	\$103,163

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	July	August	September	October	November	December	January	February	March	April	May	June	Total
	July	August	эсристыст	October	November	December	January	Tebruary	Widicii	Aprill	iviay	June	Total
Summary													
Customer													
Residential	3,698	3,698	3,698	3,698	3,698	3,698	3,698	3,698	3,698	3,698	3,698	3,698	3,698
Multi Family	259	259	259	259	259	259	259	259	259	259	259	259	259
Commercial	204	204	204	204	204	204	204	204	204	204	204	204	204
Irrigation	61	61	61	61	61	61	61	61	61	61	61	61	61
Commercial - IVGID	26	26	26	26	26	26	26	26	26	26	26	26	26
Irrigation - IVGID	26	26	26	26	26	26	26	26	26	26	26	26	26
Snowmaking - IVGID	1	1	1	1	1	1	1	1	1	1	1	1	1
	4,275	4,275	4,275	4,275	4,275	4,275	4,275	4,275	4,275	4,275	4,275	4,275	4,275
Consumption (1,000 gal)													
Residential	73,397	77,093	61,932	62,827	18,773	12,528	11,081	9,330	10,029	11,311	40,008	67,200	455,509
Multi Family	30,346	31,009	24,541	24,563	19,259	11,656	10,831	10,553	10,527	9,970	17,344	27,821	228,421
Commercial	9,149	8,574	7,119	7,212	8,110	5,908	5,179	4,374	5,206	4,813	5,959	7,740	79,343
Irrigation	9,286	9,341	7,237	7,237	266	107	54	52	88	994	4,241	8,434	47,336
Commercial - IVGID	657	587	462	460	421	319	331	342	536	590	515	393	5,612
Irrigation - IVGID	23,359	20,325	10,573	10,573	10	2	21	14	524	3,177	12,406	22,745	103,730
Snowmaking - IVGID	21	0	0	30	17,482	20,044	9	0	0	0	49	30	37,665
	146,216	146,929	111,862	112,901	64,321	50,564	27,506	24,666	26,910	30,855	80,522	134,363	957,616
Total Revenue	-,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,			,	,	,		,	,-	,	
Residential	\$318,985	\$331,250	\$286,020	\$288,600	\$170,038	\$157,924	\$155,232	\$150,071	\$151,740	\$155,308	\$225,505	\$300,746	\$2,691,418
Multi Family	192,701	194,588	179,325	179,368	167,144	151,666	150,046	149,493	149,436	148,476	164,393	186,588	2,013,224
Commercial	43,943	41,880	37,775	37,972	39,144	36,906	33,620	31,046	33,233	32,204	34,867	39,611	442,201
Irrigation	32,050	32,041	25,520	25,520	6,729	6,411	6,305	6,302	6,373	8,323	16,721	29,318	201,612
Commercial - IVGID	4,323	4,090	3,852	3,848	3,686	3,486	3,509	3,532	4,086	4,480	4,098	3,651	46,642
Irrigation - IVGID	83,012	71,828	36,780	36,780	6,783	6,766	6,804	6,791	7,810	13,786	43,608	81,165	401,913
Snowmaking - IVGID	2,361	2,319	2,319	2,379	37,284	42,407	2,338	2,319	2,319	2,319	2,418	2,378	103,163
	\$677,375	\$677,996	\$571,591	\$574,468	\$430,808	\$405,568	\$357,854	\$349,553	\$354,997	\$364,896	\$491,609	\$643,457	\$5,900,172
				~							FY	' 2021 Actual	
												Difference	\$5,900,172
												Percent	#DIV/0!
													•
											FY	2023 Budget	\$5,877,887
												Difference	\$22,285
												Percent	0.4%
		-										,	

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Incline Village General Improvement District Water Rate Study Exhibit 7 Customer Data Projection

		Exhibit 6 - RPR					Proje	cted					
		FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	Notes
Residential													
Meter Fee	\$ / Acct.												
3/4"	\$30.20	3,698	3,702	3,705	3,709	3,713	3,717	3,720	3,724	3,728	3,731	3,735	As Single Family - Cust Growth
		3,698	3,702	3,705	3,709	3,713	3,717	3,720	3,724	3,728	3,731	3,735	
Revenue		\$1,340,155	\$1,341,496	\$1,342,837	\$1,344,181	\$1,345,526	\$1,346,870	\$1,348,219	\$1,349,567	\$1,350,915	\$1,352,267	\$1,353,618	
Admin Fee	\$4.23	3,698	3,702	3,705	3,709	3,713	3,717	3,720	3,724	3,728	3,731	3,735	
Defensible Space	\$1.05	3,698	3,702	3,705	3,709	3,713	3,717	3,720	3,724	3,728	3,731	3,735	
		\$234,305	\$234,540	\$234,774	\$235,009	\$235,244	\$235,479	\$235,715	\$235,951	\$236,186	\$236,423	\$236,659	
Water Use	\$ / 1,000 gal												
All Use	\$1.95	455,509	455,509	455,509	455,509	455,509	455,509	455,509	455,509	455,509	455,509	455,509	As Single Family - Cons Growth
20,000 - 60,000	1.17	126,631	126,631	126,631	126,631	126,631	126,631	126,631	126,631	126,631	126,631	126,631	As Single Family - Cons Growth
60,000+	1.69	47,667	47,667 	47,667 	47,667 	47,667	47,667	47,667	47,667	47,667 	47,667 	47,667 	As Single Family - Cons Growth
Total Water Use - Re	esidential	629,807	629,807	629,807	629,807	629,807	629,807	629,807	629,807	629,807	629,807	629,807	
Revenue		\$1,116,958	\$1,116,958	\$1,116,958	\$1,116,958	\$1,116,958	\$1,116,958	\$1,116,958	\$1,116,958	\$1,116,958	\$1,116,958	\$1,116,958	
Total Revenue		\$2,691,418	\$2,692,993	\$2,694,569	\$2,696,148	\$2,697,728	\$2,699,307	\$2,700,891	\$2,702,475	\$2,704,059	\$2,705,647	\$2,707,235	
Multi Family													
Meter Fee													
3/4"	\$30.20	4,090	4,094	4,098	4,102	4,106	4,110	4,115	4,119	4,123	4,127	4,131	As Multi-Family - Cust Growth
		4 000	4,094	4,098	4,102	4,106	4 110	A 115	4 110	4,123	4,127	4,131	
		4,090	4,034	4,036	4,102	4,100	4,110	4,115	4,119	4,123	4,127	4,131	
Revenue		\$1,482,216	\$1,483,698	\$1,485,180	\$1,486,666	\$1,488,152	\$1,489,642	\$1,491,131	\$1,492,621	\$1,494,114	\$1,495,607	\$1,497,103	
Admin Fee	\$4.23	259	259	260	260	260	260	261	261	261	261	262	As Multi-Family - Cust Growth
Defensible Space	\$1.05	4,090	4,094	4,098	4,102	4,106	4,110	4,115	4,119	4,123	4,127	4,131	As Multi-Family - Cust Growth
		\$64,681	\$64,746	\$64,810	\$64,875	\$64,940	\$65,005	\$65,070	\$65,135	\$65,200	\$65,265	\$65,330	
M/-111													
Water Use All Use	\$1.95	228,421	228,421	228,421	228,421	228,421	228,421	228,421	228,421	228,421	228,421	228,421	As Multi-Family - Cons Growth
Tier 1	\$1.17	7,661	7,661	7,661	7,661	7,661	7,661	7,661	7,661	7,661	7,661	7,661	As Multi-Family - Cons Growth
Tier 2	\$1.69	7,067	7,067	7,067	7,067	7,067	7,067	7,067	7,067	7,067	7,067	7,067	As Multi-Family - Cons Growth
Total Water Use - N	Iulti Family	243,148	243,148	243,148	243,148	243,148	243,148	243,148	243,148	243,148	243,148	243,148	
Revenue		\$466,327	\$466,327	\$466,327	\$466,327	\$466,327	\$466,327	\$466,327	\$466,327	\$466,327	\$466,327	\$466,327	
Total Revenue		\$2,013,224	\$2,014,771	\$2,016,317	\$2,017,868	\$2,019,419	\$2,020,973	\$2,022,528	\$2,024,082	\$2,025,640	\$2,027,199	\$2,028,761	
iotal nevellue		32,013,224	72,014,771	72,010,317	72,017,000	72,013,419	32,020,373	72,022,328	72,024,082	32,023,040	72,027,199	72,020,761	

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Customer Data Projection

		Exhibit 6 - RPR					Projec	ted					
		FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	Notes
Commercial													
Meter Fee	\$ / Acct.												
3/4"	\$30.20	72	72	72	72	72	72	72	72	73	73	73	As Commercial - Cust Growth
1"	50.43	53	53	53	53	53	53	53	53	53	53	54	As Commercial - Cust Growth
1 1/2"	100.57	41	41	41	41	41	41	41	41	41	41	41	As Commercial - Cust Growth
2"	160.97	26	26	26	26	26	26	26	26	26	26	26	As Commercial - Cust Growth
3"	302.00	6	6	6	6	6	6	6	6	6	6	6	As Commercial - Cust Growth
4"	503.43	3	3	3	3	3	3	3	3	3	3	3	As Commercial - Cust Growth
6"	1,006.57	2	2	2	2	2	2	2	2	2	2	2	As Commercial - Cust Growth
8"	1,610.57	1	1	1	1	1	1	1	1	1	1	1	As Commercial - Cust Growth
10"	2,315.14	0	0	0	0	0	0	0	0	0	0	0	As Commercial - Cust Growth
		204	204	204	205	205	205	205	205	206	206	206	
Revenue		\$241,221	\$241,419	\$241,617	\$241,815	\$242,013	\$242,211	\$242,409	\$242,607	\$242,805	\$243,003	\$243,202	
Admin Fee	\$4.23	204	204	204	205	205	205	205	205	206	206	206	
Defensible Space	\$1.05	204	204	204	205	205	205	205	205	206	206	206	
		\$12,925	\$12,938	\$12,951	\$12,963	\$12,976	\$12,989	\$13,001	\$13,014	\$13,027	\$13,039	\$13,052	
Water Use	\$ / 1,000 gal												
All Use	\$1.95	79,343	79,343	79,343	79,343	79,343	79,343	79,343	79,343	79,343	79,343	79,343	As Commercial - Cons Growth
Tier 1	\$1.17	17,523	17,523	17,523	17,523	17,523	17,523	17,523	17,523	17,523	17,523	17,523	As Commercial - Cons Growth
Tier 2	\$1.69	7,594	7,594	7,594	7,594	7,594	7,594	7,594	7,594	7,594	7,594	7,594	As Commercial - Cons Growth
Total Water Use - C	Commercial	104.460	104.460	104.460	104.460	104.460	104.460	104.460	104.460	104.460	104.460	104.460	
rotar water use - C	.ommerciai	104,460	104,460	104,460	104,460	104,460	104,460	104,460	104,460	104,460	104,460	104,460	
		\$188,055	\$188,055	\$188,055	\$188,055	\$188,055	\$188,055	\$188,055	\$188,055	\$188,055	\$188,055	\$188,055	
Total Revenue		\$442,201	\$442,412	\$442,622	\$442,833	\$443,044	\$443,255	\$443,465	\$443,676	\$443,887	\$444,098	\$444,308	

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Customer Data Projection

		Exhibit 6 - RPR					Projec	ted					
		FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	Notes
Irrigation													
Meter Fee	\$ / Acct.												
3/4"	\$30.20	16	16	16	16	16	16	16	16	16	16	16	As Irrigation - Cust Growth
1"	50.43	20	20	20	20	20	20	20	20	20	20	20	As Irrigation - Cust Growth
1 1/2"	100.57	9	9	9	9	9	9	9	9	9	9	9	As Irrigation - Cust Growth
2"	160.97	12	12	12	12	12	12	12	12	12	12	12	As Irrigation - Cust Growth
3"	302.00	2	2	2	2	2	2	2	2	2	2	2	As Irrigation - Cust Growth
4"	503.43	2	2	2	2	2	2	2	2	2	2	2	As Irrigation - Cust Growth
6"	1,006.57	0	0	0	0	0	0	0	0	0	0	0	As Irrigation - Cust Growth
8"	1,610.57	0	0	0	0	0	0	0	0	0	0	0	As Irrigation - Cust Growth
10"	2,315.14	0	0	0	0	0	0	0	0	0	0	0	As Irrigation - Cust Growth
		61	61	61	61	61	61	61	61	61	62	62	
Revenue		\$71,273	\$71,324	\$71,375	\$71,425	\$71,476	\$71,527	\$71,578	\$71,628	\$71,679	\$71,730	\$71,781	
Admin Fee	\$4.23	61	61	61	61	61	61	61	61	61	62	62	
Defensible Space	\$0.00	61	61	61	61	61	61	61	61	61	62	62	
		\$3,096	\$3,099	\$3,102	\$3,105	\$3,109	\$3,112	\$3,115	\$3,118	\$3,121	\$3,124	\$3,127	
Water Use	\$ / 1,000 gal												
All Use	\$2.00	47,336	47,336	47,336	47,336	47,336	47,336	47,336	47,336	47,336	47,336	47,336	As Irrigation - Cons Growth
Tier 1	1.20	15,064	15,064	15,064	15,064	15,064	15,064	15,064	15,064	15,064	15,064	15,064	As Irrigation - Cons Growth
Tier 2	1.73	8,378	8,378	8,378	8,378	8,378	8,378	8,378	8,378	8,378	8,378	8,378	As Irrigation - Cons Growth
Total Water Use - II	rrigation	70,778	70,778	70,778	70,778	70,778	70,778	70,778	70,778	70,778	70,778	70,778	
Revenue		\$127,243	\$127,243	\$127,243	\$127,243	\$127,243	\$127,243	\$127,243	\$127,243	\$127,243	\$127,243	\$127,243	
Total Revenue		\$201,612	\$201,666	\$201,720	\$201,773	\$201,827	\$201,881	\$201,935	\$201,989	\$202,042	\$202,096	\$202,150	

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Customer Data Projection

		Exhibit 6 - RPR					Projec	cted					
		FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	Notes
Commercial - IVGID													
	A / A												
Meter Fee	\$ / Acct.	4	4	4	4	4	4	4			4	4	As IVCID Cost Courth
3/4"	\$30.20	4	4	4	4	4	4	4	4	4	4	4	As IVGID - Cust Growth
1"	50.43	7	7	7	7	7	7	7	7	7	7	7	As IVGID - Cust Growth
1 1/2"	100.57	5	5	5	5	5	5	5	5	5	5	5	As IVGID - Cust Growth
2"	160.97	9	9	9	9	9	9	9	9	9	9	9	As IVGID - Cust Growth
3"	302.00	1	1	1	1	1	1	1	1	1	1	1	As IVGID - Cust Growth
4"	503.43	0	0	0	0	0	0	0	0	0	0	0	As IVGID - Cust Growth
6"	1,006.57	0	0	0	0	0	0	0	0	0	0	0	As IVGID - Cust Growth
8"	1,610.57	0	0	0	0	0	0	0	0	0	0	0	As IVGID - Cust Growth
10"	2,315.14	0	0	0	0	0	0	0	0	0	0	0	As IVGID - Cust Growth
		26	26	26	26	26	26	26	26	26	26	26	
Revenue		\$32,728	\$32,766	\$32,803	\$32,841	\$32,878	\$32,916	\$32,953	\$32,990	\$33,028	\$33,065	\$33,103	
Admin Fee	\$4.23	26	26	26	26	26	26	26	26	26	26	26	As IVGID - Cust Growth
Defensible Space	\$1.05	26	26	26	26	26	26	26	26	26	26	26	As IVGID - Cust Growth
		\$1,647	\$1,649	\$1,651	\$1,653	\$1,655	\$1,657	\$1,659	\$1,661	\$1,663	\$1,664	\$1,666	
ater Use	\$ / 1,000 gal												
All Use	\$1.95	5,612	5,612	5,612	5,612	5,612	5,612	5,612	5,612	5,612	5,612	5,612	As IVGID - Cons Growth
Tier 1	1.17	947	947	947	947	947	947	947	947	947	947	947	As IVGID - Cons Growth
Tier 2	1.69	128	128	128	128	128	128	128	128	128	128	128	As IVGID - Cons Growth
Total Water Use - C	ommercial - IVGI	6,686	6,686	6,686	6,686	6,686	6,686	6,686	6,686	6,686	6,686	6,686	
Revenue		\$12,266	\$12,266	\$12,266	\$12,266	\$12,266	\$12,266	\$12,266	\$12,266	\$12,266	\$12,266	\$12,266	
otal Revenue		\$46,642	\$46,681	\$46,720	\$46,760	\$46,799	\$46,838	\$46,878	\$46,917	\$46,956	\$46,996	\$47,035	

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Customer Data Projection

		Exhibit 6 - RPR					Projec	ted					
		FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	Notes
Irrigation - IVGID													
Meter Fee	\$ / Acct.												
3/4"	\$30.20	3	3	3	3	3	3	3	3	3	3	3	As IVGID - Cust Growth
1"	50.43	5	5	5	5	5	5	5	5	5	5	5	As IVGID - Cust Growth
1 1/2"	100.57	2	2	2	2	2	2	2	2	2	2	2	As IVGID - Cust Growth
2"	160.97	4	4	4	4	4	4	4	4	4	4	4	As IVGID - Cust Growth
3"	302.00	3	3	3	3	3	3	3	3	3	3	3	As IVGID - Cust Growth
4"	503.43	9	9	9	9	9	9	9	9	9	9	9	As IVGID - Cust Growth
6"	1,006.57	0	0	0	0	0	0	0	0	0	0	0	As IVGID - Cust Growth
8"	1,610.57	0	0	0	0	0	0	0	0	0	0	0	As IVGID - Cust Growth
10"	2,315.14	0	0	0	0	0	0	0	0	0	0	0	As IVGID - Cust Growth
		26	26	26	26	26	26	26	26	26	26	26	
Revenue		\$79,496	\$79,563	\$79,629	\$79,695	\$79,762	\$79,828	\$79,895	\$79,961	\$80,028	\$80,094	\$80,161	
Admin Fee	\$4.23	26	26	26	26	26	26	26	26	26	26	26	As IVGID - Cust Growth
Defensible Space	\$1.05	26	26	26	26	26	26	26	26	26	26	26	As IVGID - Cust Growth
		\$1,647	\$1,649	\$1,651	\$1,653	\$1,655	\$1,657	\$1,659	\$1,661	\$1,663	\$1,664	\$1,666	
Water Use	\$ / 1,000 gal												
All Use	\$2.00	103,730	103,730	103,730	103,730	103,730	103,730	103,730	103,730	103,730	103,730	103,730	As IVGID - Cons Growth
Tier 1	1.20	34,427	34,427	34,427	34,427	34,427	34,427	34,427	34,427	34,427	34,427	34,427	As IVGID - Cons Growth
Tier 2	1.73	41,617	41,617	41,617	41,617	41,617	41,617	41,617	41,617	41,617	41,617	41,617	As IVGID - Cons Growth
Total Water Use - Ir	rigation - IVGID	179,774	179,774	179,774	179,774	179,774	179,774	179,774	179,774	179,774	179,774	179,774	
Revenue		\$320,769	\$320,769	\$320,769	\$320,769	\$320,769	\$320,769	\$320,769	\$320,769	\$320,769	\$320,769	\$320,769	
Total Revenue		\$401,913	\$401,981	\$402,050	\$402,118	\$402,186	\$402,255	\$402,323	\$402,391	\$402,460	\$402,528	\$402,597	

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Customer Data Projection

		Exhibit 6 - RPR	·										
		FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	Notes
owmaking - IVGID													
lakas Faa	¢ / 4 t												
leter Fee 3/4"	\$/Acct. \$30.20	0	0	0	0	0	0	0	0	0	0	0	As IVGID - Cust Growth
1"	50.43	0	0	0	0	0	0	0	0	0	0	0	As IVGID - Cust Growth
1 1/2"	100.57	0	0	0	0	0	0	0	0	0	0	0	As IVGID - Cust Growth
2"	160.97	0	0	0	0	0	0	0	0	0	0	0	As IVGID - Cust Growth
3"	302.00	0	0	0	0	0	0	0	0	0	0	0	As IVGID - Cust Growth
4"	503.43	0	0	0	0	0	0	0	0	0	0	0	As IVGID - Cust Growth
6"	1,006.57	0	0	0	0	0	0	0	0	0	0	0	As IVGID - Cust Growth
8"	1,610.57	0	0	0	0	0	0	0	0	0	0	0	As IVGID - Cust Growth
10"	2,315.14	1	1	1	1	1	1	1	1	1	1	1	As IVGID - Cust Growth
10	2,010.1												75 TO COST COST COST
		1	1	1	1	1	1	1	1	1	1	1	
Revenue		\$27,782	\$27,782	\$27,782	\$27,782	\$27,782	\$27,782	\$27,782	\$27,782	\$27,782	\$27,782	\$27,782	
Admin Fee	\$4.23	1	1	1	1	1	1	1	1	1	1	1	As IVGID - Cust Growth
Defensible Space	\$0.00	1	1	1	1	1	1	1	1	1	1	1	As IVGID - Cust Growth
		\$51	\$51	\$51	\$51	\$51	\$51	\$51	\$51	\$51	\$51	\$51	
ater Use	\$ / 1,000 gal												
All Use	\$2.00	37,665	37,665	37,665	37,665	37,665	37,665	37,665	37,665	37,665	37,665	37,665	As IVGID - Cons Growth
Tier 1	1.20	0	0	0	0	0	0	0	0	0	0	0	As IVGID - Cons Growth
Tier 2	1.73	0	0	0	0	0	0	0	0	0	0	0	As IVGID - Cons Growth
Total Water Use - S	nowmaking - IVG	37,665	37,665	37,665	37,665	37,665	37,665	37,665	37,665	37,665	37,665	37,665	
Revenue		\$75,330	\$75,330	\$75,330	\$75,330	\$75,330	\$75,330	\$75,330	\$75,330	\$75,330	\$75,330	\$75,330	
otal Revenue		\$103,163	\$103,163	\$103,163	\$103,163	\$103,163	\$103,163	\$103,163	\$103,163	\$103,163	\$103,163	\$103,163	
evenues					7								
Fixed Variable		\$3,593,225 2,306,947 \$5,900,172	\$3,596,719 2,306,947 \$5,903,666	\$3,600,214 2,306,947 \$5,907,161	\$3,603,716 2,306,947 \$5,910,663	\$3,607,219 2,306,947 \$5,914,166	\$3,610,725 2,306,947 \$5,917,672	\$3,614,235 2,306,947 \$5,921,182	\$3,617,746 2,306,947 \$5,924,693	\$3,621,260 2,306,947 \$5,928,207	\$3,624,779 2,306,947 \$5,931,726	\$3,628,301 2,306,947 \$5,935,248	

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Incline Village General Improvement District Water Rate Study Exhibit 8 Commodity Distribution Factor

	FY 2024	F 00/	Net Water	Total	Component	Class Total
	Consumption	5.0%	Delivered	Consumption	% of	% of
	(1,000 gal)	Unaccounted [1]	(Flow + Losses)	(MGD)	Total	Total
Residential						47.6%
All Use	281,212	14,061	295,273	0.81	29.4%	
20,000 - 60,000	126,631	6,332	132,962	0.36	13.2%	
60,000+	47,667	2,383	50,050	0.14	5.0%	
Multi Family	228,421	11,421	239,842	0.66	23.9%	23.9%
Commercial	79,343	3,967	83,310	0.23	8.3%	8.3%
Irrigation	47,336	2,367	49,703	0.14	4.9%	4.9%
Commercial - IVGID	5,612	281	5,892	0.02	0.6%	0.6%
Irrigation - IVGID	103,730	5,186	108,916	0.30	10.8%	10.8%
Snowmaking - IVGID	37,665	1,883	39,548	0.11	3.9%	3.9%
	957,616	47,881	1,005,497	2.75	100.0%	100.0%
		Water Produ	uction Report ^[2]	2.88		
Notes						

^{[1] -} Estimated to tie to actual production reports

Factor (COM)

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^{[2] -} Water Supply provided by District (Aug 2020 - July 2021)

Incline Village General Improvement District Water Rate Study Exhibit 9 Capacity Distribution Factor

	Average		Peak		
	Consumption	Peaking	Day Use	Component	Class
	(MGD)	Factors ^[1]	(MGD)	% of Total	% of Total
Residential					51.2%
All Use	0.81	2.12	1.72	31.6%	
20,000 - 60,000	0.36	2.12	0.77	14.2%	
60,000+	0.14	2.12	0.29	5.4%	
Multi Family	0.66	1.63	1.07	19.7%	19.7%
Commercial	0.23	1.38	0.32	5.8%	5.8%
Irrigation	0.14	2.37	0.32	5.9%	5.9%
Commercial - IVGID	0.02	1.40	0.02	0.4%	0.4%
Irrigation - IVGID	0.30	2.70	0.81	14.9%	14.9%
Snowmaking - IVGID	0.11	1.00	0.11	2.0%	2.0%
	2.75		5.42	100.0%	100.0%
Notes					

^{[1] -} Peak factors based on peak to average month usage

Factor (CAP)

01/31/23

Incline Village General Improvement District
Water Rate Study
Exhibit 10
Customer Distribution Factors

	Actual Cu	stomer	Customer Service	e & Acctng.	Meters & Serv	ices [1]
	Number of	% of	Number of	% of	Weighted	% of
	Accounts	Total	Living Units	Total	Customer	Total
Residential	3,698	86.5%	3,698	45.6%	3,698	40.9%
Multi Family	259	6.1%	4,090	50.5%	4,090	45.3%
Commercial	204	4.8%	204	2.5%	666	7.4%
Irrigation	61	1.4%	61	0.8%	197	2.2%
Commercial - IVGID	26	0.6%	26	0.3%	90	1.0%
Irrigation - IVGID	26	0.6%	26	0.3%	219	2.4%
Snowmaking - IVGID	1	0.0%	1	0.0%	77	0.8%
Total	4,275	100.0%	8,106	100.0%	9,037	100.0%
Notes						
[1] - Based on number of equivalent	meters using AWWA meter equi	valency factors for 3/4" i	neter			_
Factor		(AC)		(WCA)		(WCMS)

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Development of Equivalent Meter Distribution Factor

					Numi	ber of Me	eters				
	3/4"	1"	1 1/2"	2"	3"	4"	6"	8"	10"	Total	% of Total
Residential	3,698	0	0	0	0	0	0	0	0	3,698	45.6%
Multi Family	4,090	0	0	0	0	0	0	0	0	4,090	
Commercial	72	53	41	26	6	3	2	1	0	204	
Irrigation	16	20	9	12	2	2	0	0	0	61	0.8%
Commercial - IVGID	4	7	5	9	1	0	0	0	0	26	0.3%
Irrigation - IVGID	3	5	2	4	3	9	0	0	0	26	0.3%
Snowmaking - IVGID	0	0	0	0	0	0	0	0	1	1	0.0%
Total Meters	7,883	85	57	51	12	14	2	1	1	8,106	-
Equiv. Meters (3/4")	1.00	1.67	3.33	5.33	10.00	16.67	33.33	53.33	76.67		
	-				Equiv	valent Me	eters				
Residential	3,698	0	0	0	0	0	0	0	0	3,698	1.00
Multi Family	4,090	0	0	0	0	0	0	0	0	4,090	
Commercial	72	89	137	139	60	50	67	53	0	666	3.26
Irrigation	16	33	30	64	20	33	0	0	0	197	3.22
Commercial - IVGID	4	12	17	48	10	0	0	0	0	90	3.47
Irrigation - IVGID	3	8	7	21	30	150	0	0	0	219	8.44
Snowmaking - IVGID	0	0	0	0	0	0	0	0	77	77	76.67
Total Equiv. Meters	7,883	142	190	272	120	233	67	53	77	9,037	-

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Incline Village General Improvement District
Water Rate Study
Exhibit 11
Public Fire Distribution Factor

Factor

	Fire Prot.		Total FP	
Number of	Requirements	Duration	Requirements	% of
Living Units	(gals/min)	(minutes)	(1,000 g/min)	Total
3,698	1,000	90	332,820	40.3%
4,090	1,000	90	368,100	44.6%
204	3,000	180	110,160	13.4%
61	0	0	0	0.0%
26	3,000	180	14,040	1.7%
26	0	0	0	0.0%
1	0	0	0	0.0%
8,106			825,120	100.0%
	3,698 4,090 204 61 26 26 1	Number of Living Units Requirements (gals/min) 3,698 1,000 4,090 1,000 204 3,000 61 0 26 3,000 26 0 1 0	Number of Living Units Requirements (gals/min) Duration (minutes) 3,698 1,000 90 4,090 1,000 90 204 3,000 180 61 0 0 26 3,000 180 26 0 0 1 0 0	Number of Living Units Requirements (gals/min) Duration (minutes) Requirements (1,000 g/min) 3,698 1,000 90 332,820 4,090 1,000 90 368,100 204 3,000 180 110,160 61 0 0 0 26 3,000 180 14,040 26 0 0 0 1 0 0 0

(FP)

Incline Village General Improvement District Water Rate Study Exhibit 12 Revenue Related Distribution Factor

	Projected	% of
	FY 2024	Total
Residential	\$2,692,993	45.6%
Multi Family	2,014,771	34.1%
Commercial	442,412	7.5%
Irrigation	201,666	3.4%
Commercial - IVGID	46,681	0.8%
Irrigation - IVGID	401,981	6.8%
Snowmaking - IVGID	103,163	1.7%
Total Rate Revenues	\$5,903,666	100.0%

Factor (RR)

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			_	Cust	tomer Relat	ed					
			·-	Actual	Cust.	Meters &	Public Fire	Revenue	Direct		
	Net Plant	Commodity	Capacity	Customer	Acctg.	Services	Protection	Related	Assign.		
		(COM)	(CAP)	(AC)	(WCA)	(WCMS)	(FP)	(RR)	(DA)	Basis o	of Classification
Land	\$5,028,320	\$5,028,320	\$0	\$0	\$0	\$0	\$0	\$0	\$0	100.0% COM	
Source of Supply	\$1,055	\$536	\$519	\$0	\$0	\$0	\$0	\$0	\$0	50.8% COM	49.2% CAP
Treatment	\$4,815,026	\$2,445,551	\$2,369,474	\$0	\$0	\$0	\$0	\$0	\$0	50.8% COM	49.2% CAP
Pump Station	\$1,772,867	\$900,439	\$872,428	\$0	\$0	\$0	\$0	\$0	\$0	50.8% COM	49.2% CAP
Storage	\$405,994	\$0	\$373,624	\$0	\$0	\$0	\$32,369	\$0	\$0	92.0% CAP	8.0% FP
Transmission & Distribution											
Mains	\$13,369,990	\$0	\$6,821,047	\$0	\$0	\$6,016,496	\$532,447	\$0	\$0	51.0% CAP	45.0% WCMS 4.0% FP
Meter	627,851	0	0	0	0	627,851	0	0	0	100.0% WCMS	
Hydrant	20,356	0	0	0	0	0	20,356	0	0	100.0% FP	
Fire Meter	30,338	0	0	0	0	0	30,338	0	0	100.0% FP	
Manholes	116,542	116,542	0	0	0	0	0	0	0	100.0% COM	
Total Transmission & Distribution	\$14,165,077	\$116,542	\$6,821,047	\$0	\$0	\$6,644,346	\$583,141	\$0	\$0		
Plant Before General Plant	\$26,188,337	\$8,491,389	\$10,437,092	\$0	\$0	\$6,644,346	\$615,510	\$0	\$0		
Percent Plant Before General Plant	100.0%	32.4%	39.9%	0.0%	0.0%	25.4%	2.4%	0.0%	0.0%	Factor PBG	
General Plant											
Building & Structures	\$3,225,599	\$1,045,878	\$1,285,529	\$0	\$0	\$818,379	\$75,812	\$0	\$0	As Factor PBG	
Equipment	1,076,397	349,014	428,987	0	0	273,097	25,299	0	0	As Factor PBG	
Vehicles	416,021	134,892	165,801	0	0	105,550	9,778	0	0	As Factor PBG	
Misc	13,650	4,426	5,440	0	0	3,463	321	0	0	As Factor PBG	
Office Equipment	4,326	1,403	1,724	0	0	1,098	102	0	0	As Factor PBG	
Total General Plant	\$4,735,994	\$1,535,613	\$1,887,482	\$0	\$0	\$1,201,588	\$111,311	\$0	\$0		
Total Net Plant in Service	\$30,924,331	\$10,027,002	\$12,324,574	\$0	\$0	\$7,845,934	\$726,821	\$0	\$0		

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Fire Protection			
	hrs	gal/min	Total
Fire Flow Requirements	3	3,000	540,000
Storage Capacity % Public Fire Protection % Capacity		6,773,000	6,773,000 8.0% 92.0%
Source of Supply (avg of 2018 & 20	019)		
Average Day	2.75	СОМ	50.8%
Peak Day	5.42	(1-COM) = CAP	49.2%

Dist	tribution Main A	nalysis		
	Main Size	Length (ft)	Replcmt \$	Total
	1"	115,473	\$35.00	\$4,041,555
	2"	27,722	35.00	970,270
	3"	2,134	35.00	74,690
_	4"	18,656	70.85	1,321,778
tion	6"	220,618	70.85	15,630,785
ibu	8"	235,460	92.90	21,874,234
Distribution	10"	46,532	88.56	4,120,874
	12"	46,987	124.60	5,854,580
	14"	24,872	123.98	3,083,631
	Total 1" - 14"	738,454		\$56,972,397

Customer Equivalent		Adjusted
⁽¹⁾ Total @ 3" Equiv	\$25,845,890	
/ Total Cost	45.0%	45.0%
Capacity		
(2) Cost for 1" - 8"	\$43,913,312	
⁽³⁾ Equiv 10" - 14"	\$10,998,524	
(2+3-1) / 4	51.0%	51.0%
Fire Protection		

4.0%

1-cust-cap

4.0%

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				Cus	stomer Relate	d				
			-		Weight	ed for				
				Actual	Cust.	Meters &	Public Fire	Revenue	Direct	
		Commodity	Capacity	Customer	Acctg.	Services	Protection	Related	Assign.	
	FY 2024	(COM)	(CAP)	(AC)	(WCA)	(WCMS)	(FP)	(RR)	(DA)	Basis of Allocation
Expenses										
Wages										
Other Earnings	\$55,767	\$18,082	\$22,225	\$0	\$0	\$14,149	\$1,311	\$0	\$0	As Net Plant in Service
Regular Earnings	1,670,654	541,698	665,822	0	0	423,868	39,266	0	. 0	As Net Plant in Service
Salary Savings from Vacant Positions	0	0	0	0	0	0	0	0	0	As Net Plant in Service
Total Wages	\$1,726,421	\$559,780	\$688,047	\$0	\$0	\$438,017	\$40,576	\$0	\$0	
Benefits										
Dental Fringe Ben	\$23,899	\$7,749	\$9,525	\$0	\$0	\$6,063	\$562	\$0	\$0	As Net Plant in Service
Disability Fringe Ben	8,655	2,806	3,449	0	0	2,196	203	0	0	As Net Plant in Service
Life Ins Fringe Ben	3,440	1,115	1,371	0	0	873	81	0	0	As Net Plant in Service
Medical Fringe Ben	332,256	107,732	132,417	0	0	84,298	7,809	0	0	As Net Plant in Service
Retirement Fringe Ben	310,333	100,623	123,680	0	0	78,736	7,303	0	0	As Net Plant in Service
Taxes	139,401	45,200	55,557	0	0	35,368	3,276	0	0	As Net Plant in Service
Unemployment Fringe Ben	27,383	8,879	10,913	0	0	6,947	644	0	0	As Net Plant in Service
Vision Fringe Ben	2,579	836	1,028	0	0	654	61	0	0	As Net Plant in Service
Work Comp Fringe Ben	43,622	14,144	17,385	0	0	11,068	1,025	0	0	As Net Plant in Service
Total Benefits	\$891,567	\$289,084	\$355,325	\$0	\$0	\$226,203	\$20,955	\$0	\$0	
rotu. Zenojus	4032,00 7	\$203,00 .	4000,020	40	70	7 220,200	\$20,555		,,,	
Services & Supplies										
Advertising - Paid	\$1,030	\$334	\$410	\$0	\$0	\$261	\$24	\$0	\$0	As Net Plant in Service
BLDGS Maintenance Services	78,033	25,302	31,099	0	0	19,798	1,834	0	0	As Bldgs & Structures
Chemical	218,875	218,875	0	0	0	0	0	0	0	100.0% COM
Computer & IT Small Equip	8,446	2,739	3,366	0	0	2,143	199	0	0	As Net Plant in Service
Computer License & Fees	81,225	26,337	32,371	0	0	20,608	1,909	0	0	As Net Plant in Service
Contractual Services	13,349	4,328	5,320	0	0	3,387	314	0	0	As Net Plant in Service
Dues & Subscriptions	9,618	3,119	3,833	0	0	2,440	226	0	0	As Net Plant in Service
Employee Recruit & Retain	15,399	4,993	6,137	0	0	3,907	362	0	0	As Net Plant in Service
Fleet Maintenance Services	212,508	68,904	84,693	0	0	53,916	4,995	0	0	As Net Plant in Service
Fuel	40,435	13,111	16,115	0	0	10,259	950	0	0	As Net Plant in Service
Janitorial	1,545	501	616	0	0	392	36	0	0	As Net Plant in Service
Lab	28,840	14,648	14,192	0	0	0	0	0	0	As Treatment
Office Supplies	12,412	4,024	4,946	0	0	3,149	292	0	0	As Net Plant in Service
Operating	67,599	21,918	26,941	0	0	17,151	1,589	0	0	As Net Plant in Service
Permits & Fees	39,729	12,882	15,834	0	0	10,080	934	0	0	As Net Plant in Service
Postage	17,510	0	0	17,510	0	0	0	0	0	100.0% AC
R&M General	46,324	15,020	18,462	0	0	11,753	1,089	0	0	As Net Plant in Service
R&M Corrective	180,647	58,573	71,995	0	0	45,833	4,246	0	0	As Net Plant in Service
R&M Preventative	84,146	27,284	33,535	0	0	21,349	1,978	0	0	As Net Plant in Service
Rental & Lease	989	321	394	0	0	251	23	0	0	As Net Plant in Service
Repairs & Maintenance	969	0	0	0	0	0	0	0	0	As Net Plant in Service
Safety	8,652	2,805	3,448	0	0	2,195	203	0	0	As Net Plant in Service
•	3,069	2,805 995		0	0	2,195 779	203 72	0	0	As Net Plant in Service As Net Plant in Service
Security	,		1,223	0				0	-	
Small Equipment	10,094	3,273	4,023		0	2,561	237		0	As Net Plant in Service
Tools	9,579	3,106	3,818	0	0	2,430	225	0	0	As Net Plant in Service
Training & Education	26,883	8,717	10,714	0	0	6,821	632	0	0	As Net Plant in Service
Travel & Conferences	17,716	5,744	7,061	0	0	4,495	416	0	0	As Net Plant in Service
Uniforms	16,171	5,243	6,445	0	0	4,103	380	0	0	As Net Plant in Service
Engineering Services	102,875	33,356	41,000	0	0	26,101	2,418	0	0	As Net Plant in Service
Total Services & Supplies	\$1,353,696	\$586,452	\$447,991	\$17,510	\$0	\$276,160	\$25,583	\$0	\$0	

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				Cus	stomer Relate	d				
			_		Weight	ed for				
	FY 2024	Commodity (COM)	Capacity (CAP)	Actual Customer (AC)	Cust. Acctg. (WCA)	Meters & Services (WCMS)	Public Fire Protection (FP)	Revenue Related (RR)	Direct Assign. (DA)	Basis of Allocation
Other										
Central Services Allocation Cs	\$288,129	\$93,424	\$114,831	\$0	\$0	\$73,102	\$6,772	\$0	\$0	As Net Plant in Service
Defensible Space Costs	51,500	0	0	0	0	0	51,500	0	0	100.0% FP
General Liability - Insurance	125,557	40,711	50,039	0	0	31,856	2,951	0	0	As Net Plant in Service
Audit	6,026	1,954	2,401	0	0	1,529	142	0	0	As Net Plant in Service
Legal	12,360	4,008	4,926	0	0	3,136	290	. 0	0	As Net Plant in Service
Professional Consultants	65,625	21,278	26,154	0	0	16,650	1,542	. 0	0	As Net Plant in Service
Interfund Expense Transfers	(460,564)	(149,335)	(183,553)	0	0	(116,852)	(10,825)	0	0	As Net Plant in Service
Capital Expenses	250,000	81,061	99,635	0	0	63,428	5,876	0	0	As Net Plant in Service
Capital Expenses	230,000	61,001				03,428	3,670			As Net Flant III Service
Total Other	\$687,132	\$93,101	\$114,434	\$0	\$0	\$72,850	\$58,249	\$0	\$0	
	CHECK									
Utilities										
Cable TV	\$2,021	\$655	\$805	\$0	\$0	\$513	\$47	\$0	\$0	As Net Plant in Service
Electricity	425,464	137,954	169,564	0	0	107,946	10,000	0	0	As Net Plant in Service
Heating	11,648	3,777	4,642	0	0	2,955	274	0	0	As Net Plant in Service
Internet	12,064	3,912	4,808	0	0	3,061	284	0	0	As Net Plant in Service
Telephone	32,141	10,422	12,810	0	0	8,155	755	0	0	As Net Plant in Service
Trash	7,384	2,394	2,943	0	0	1,873	174	0	0	As Net Plant in Service
Water & Sewer	3,408	1,105	1,358	0	0	865	80	0	0	As Net Plant in Service
Total Utilities	\$494,129	\$160,218	\$196,930	\$0	\$0	\$125,368	\$11,614	\$0	\$0	
Future O&M										
Additional Staffing Needs	\$55,130	\$17,875	\$21,971	\$0	\$0	\$13,987	\$1,296	\$0	\$0	As Net Plant in Service
One-Time Inflation Contingency	333,130 0	\$17,873 0	Ş21,371 0	0	0	¢13,587 0	91,290 0	0	0	As Net Plant in Service
Budget Savings	0	0	0	0	0	0	0	0	0	As Net Plant in Service
Shared Capital Expenses	348,500	112,999	138,891	0	0	88,419	8,191	0	0	As Net Plant in Service
· ·										As Net Flant III Service
Total Future O&M	\$55,130 CHECK	\$130,874	\$160,862	\$0	\$0	\$102,406	\$9,487	\$0	\$0	
Total Operations & Maintenance	\$5,208,075	\$1,819,509	\$1,963,589	\$17,510	\$0	\$1,241,004	\$166,462	\$0	\$0	
Debt Service										
NV DWSRF 2012	\$193,372	\$62,699	\$77,066	\$0	\$0	\$49,061	\$4,545	\$0	\$0	As Net Plant in Service
	. ,	, ,		\$0 0	ŞU 0	. ,			\$0 0	
NV Drk Wtr Loan 2005	113,648 0	36,850	45,293 0		0	28,834	2,671	0	· ·	As Net Plant in Service
New SRF Loans		0		0		0	0	0	0	As Net Plant in Service
New Revenue Bonds	110,467	35,818	44,025	0	0	28,027	2,596	0	0	As Net Plant in Service
Total Debt Service	\$417,487	\$135,367	\$166,385	\$0	\$0	\$105,922	\$9,812	\$0	\$0	
Less Capital Reserve Funding	\$417,487	\$135,367	\$166,385	\$0	\$0	\$105,922	\$9,812	\$0	\$0	As Debt Service
Net Debt Service	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	

Incline Village General Improvement District
Water Rate Study
Exhibit 15
Functionalization and Allocation
of the Revenue Requirement

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				Cu	stomer Relate	d				
			_		Weight	ed for				
				Actual	Cust.	Meters &	Public Fire	Revenue	Direct	
		Commodity	Capacity	Customer	Acctg.	Services	Protection	Related	Assign.	
	FY 2024	(COM)	(CAP)	(AC)	(WCA)	(WCMS)	(FP)	(RR)	(DA)	Basis of Allocation
Reserve Funding										
Operating Fund Transfer	\$162,085	\$162,085	\$0	\$0	\$0	\$0	\$0	\$0	\$0	100.0% COM
Capital Fund Transfer	1,625,168	0	0	0	0	1,625,168	0	0	0	100.0% WCMS
Additional Capital Funding	0	0	0	0	0	0	0	0	0	100.0% WCMS
Debt Reserve Fund	0	0	0	0	0	0	0	0	0	100.0% RR
Total Reserve Funding	\$1,787,253	\$162,085	\$0	\$0	\$0	\$1,625,168	\$0	\$0	\$0	
Total Revenue Requirement	\$6,995,328	\$1,981,594	\$1,963,589	\$17,510	\$0	\$2,866,172	\$166,462	\$0	\$0	
Less: Non-Operating Revenues	4	4							4-	
Interest	\$11,906	\$3,373	\$3,342	\$30	\$0	\$4,878	\$283	\$0	\$0	As Total Rev Req
Snow Removal Fees	80,080	22,685	22,478	200	0	32,811	1,906	0	0	As Total Rev Req
Work Order Charges Labor	120,120	34,027	33,718	301	0	49,216	2,858	0	0	As Total Rev Req
Work Order Chgs Eq & Materials	36,537	10,350	10,256	91	0	14,970	869	0	0	As Total Rev Req
Back Flows Tests	134,534	134,534	0	0	0	0	0	0	0	100.0% COM
Fines & Penalties	25,225	7,146	7,081	63	0	10,335	600	0	0	As Total Rev Req
Fire Protection	17,778	5,036	4,990	44	0	7,284	423	0	0	As Total Rev Req
Inspection/Plan Fees	44,845	12,703	12,588	112	0	18,374	1,067	0	0	As Total Rev Req
Other Water	30,270	8,575	8,497	76	0	12,403	720	0	0	As Total Rev Req
Interfund Revenue Transfers	0	0	0	0	0	0	0	0	0	As Total Rev Req
Total Non-Operating Revenues	\$501,295	\$238,428	\$102,950	\$918	\$0	\$150,272	\$8,728	\$0	\$0	
Net Revenue Requirement	\$6,494,033	\$1,743,166	\$1,860,640	\$16,592	\$0	\$2,715,900	\$157,735	\$0	\$0	

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Incline Village General Improvement District
Water Rate Study
Exhibit 16
Distribution of Revenue Requirement - COM, CAP, & DA

			Residential 20,000 -		-			Commercial -	Irrigation -	Snowmaking -	
		All Use	60,000	60,000+	Multi Family	Commercial	Irrigation	IVGID	IVGID	IVGID	Factor
Commodity	\$1,743,166	\$511,896	\$230,508	\$86,768	\$415,798	\$144,430	\$86,167	\$10,215	\$188,822	\$68,562	СОМ
Capacity	\$1,860,640	\$588,299	\$264,913	\$99,719	\$367,201	\$108,341	\$110,613	\$7,778	\$276,608	\$37,168	CAP
Direct Assign.	\$0	\$0			\$0	\$0	\$0	\$0	\$0	\$0	Exhibit 15.2
Net Revenue Requirement	\$3,603,806	\$1,100,195	\$495,421	\$186.488	\$782,999	\$252,770	\$196.780	\$17,993	\$465,429	\$105.730	

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Incline Village General Improvement District Water Rate Study Exhibit 17 Distribution of Revenue Requirement

						Snowmaking -	
	Total	Residential	Multi-Family	Commercial	Irrigation	IVGID	Factor
Commodity	\$1,743,166	\$829,172	\$415,798	\$154,645	\$274,989	\$68,562	From Exhibit 14
Capacity	\$1,860,640	\$952,931	\$367,201	\$116,119	\$387,221	\$37,168	From Exhibit 14
Customer							
Actual Customer	\$16,592	\$14,353	\$1,005	\$893	\$338	\$4	(AC)
Cust. Acctg.	\$0	0	0	0	0	0	(WCA)
Meters & Services	\$2,715,900	1,111,410	1,229,223	227,190	125,035	23,043	(WCMS)
Total Customer	\$2,732,492	\$1,125,762	\$1,230,228	\$228,083	\$125,373	\$23,047	
Public Fire Protection	\$157,735	\$63,624	\$70,368	\$23,743	\$0	\$0	(FP)
Revenue Related	\$0	\$0	\$0	\$0	\$0	\$0	(RR)
Direct Assign.	\$0	\$0	\$0	\$0	\$0	\$0	From Exhibit 14
Net Revenue Requirement	\$6,494,033	\$2,971,490	\$2,083,595	\$522,589	\$787,582	\$128,777	

Incline Village General Improvement District Water Rate Study Exhibit 18 Summary of Cost of Service

	FY 2023				S	nowmaking -
	Expenses	Residential	Multi-Family	Commercial	Irrigation	IVGID
Revenues at Present Rates	\$5,903,666	\$2,692,993	\$2,014,771	\$489,093	\$603,647	\$103,163
Net Revenue Requirement	\$6,494,033	\$2,971,490	\$2,083,595	\$522,589	\$787,582	\$128,777
Bal. / (Def.) of Funds	(\$590,367)	(\$278,496)	(\$68,825)	(\$33,496)	(\$183,935)	(\$25,614)
Required % Change in Rates	10.0%	10.3%	3.4%	6.8%	30.5%	24.8%

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Incline Village General Improvement District Water Rate Study Exhibit 19 Summary of Unit Costs

			Residential					
		All Use	20,000 - 60,000	60,000+	Multi-Family	Commercial	Irrigation	Snowmaking - IVGID
Consumption Related	\$ / 1,000 gal							
Commodity	\$1.82	\$1.82	\$1.82	\$1.82	\$1.82	\$1.82	\$1.82	\$1.82
Capacity	1.94	2.09	2.09	2.09	1.61	1.37	2.56	0.99
RR/FP/DA - \$/CCF	0.16	0.14	0.14	0.14	0.31	0.28	0.00	0.00
	\$3.92	\$4.05	\$4.05	\$4.05	\$3.74	\$3.47	\$4.38	\$2.81
Customer Related	\$ / Eqiv. Mtr. / Mo							
Actual Customer	\$0.15							
Cust. Acctg.	0.00							
Meters & Services	25.05							
	\$25.20							
Basic Data								
Consumption	957,616	281,212	126,631	47,667	228,421	84,955	151,066	37,665
# of Equiv. Meters	9,037	3,698			4,090	756	416	77
# of Meters	4,275	3,698	▼		259	230	87	1
# of Living Units	8,106	3,698			4,090	230	87	1

	Present			Proposed				
	Rates	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028		
Meter Fee								
3/4"	\$15.10	\$17.30	\$18.75	\$20.10	\$20.10	\$21.00		
1"	25.22	28.89	31.31	33.57	33.57	35.07		
1 1/2"	50.28	57.61	62.44	66.93	66.93	69.93		
2"	80.48	92.21	99.94	107.13	107.13	111.93		
3"	151.00	173.00	187.50	201.00	201.00	210.00		
4"	251.72	288.39	312.56	335.07	335.07	350.07		
6"	503.28	576.61	624.94	669.93	669.93	699.93		
8"	805.28	922.61	999.94	1,071.93	1,071.93	1,119.93		
10"	1,157.72	1,326.39	1,437.56	1,541.07	1,541.07	1,610.07		
Capital Improvemer	nt Fee							
3/4"	\$15.10	\$15.10	\$18.23	\$20.92	\$24.85	\$23.35		
1"	25.22	25.22	30.44	34.93	41.50	38.99		
1 1/2"	50.28	50.28	60.70	69.66	82.76	77.74		
2"	80.48	80.48	97.16	111.50	132.47	124.44		
3"	151.00	151.00	182.29	209.19	248.53	233.46		
4"	251.72	251.72	303.88	348.72	414.30	389.19		
6"	503.28	503.28	607.59	697.22	828.35	778.14		
8"	805.28	805.28	972.18	1,115.60	1,325.41	1,245.07		
10"	1,157.42	1,157.72	1,397.65	1,603.84	1,905.48	1,789.97		
Admin Fee	\$4.23	\$4.44	\$4.66	\$4.90	\$5.14	\$5.40		
Defensible Space	1.05	1.05	1.05	1.05	1.05	1.05		
Residential and Com	nmercial Water	Use						
All Use	\$1.95	\$2.15	\$2.15	\$2.22	\$2.22	\$2.29		
Tier 1	1.17	1.29	1.29	1.33	1.33	1.37		
Tier 2	0.52	0.57	0.57	0.59	0.59	0.61		
Irrigation Water Use	2							
All Use	\$1.95	\$2.65	\$2.90	\$3.15	\$3.15	\$3.25		
Tier 1	31.93 1.17	32.03 1.59	32.90 1.74	33.13 1.89	33.13 1.89	33.23 1.95		
Tier 2	0.52	0.70	0.77	0.83	0.83	0.86		

Incline Village General Improvement District Wastewater Rate Study Summary of the Revenue Requirement Exhibit 1

	Budget					Proje	cted			
	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032
Revenues										
Rate Revenues	\$7,412,178	\$7,419,590	\$7,427,010	\$7,434,437	\$7,441,871	\$7,449,313	\$7,456,762	\$7,464,219	\$7,471,683	\$7,479,155
Miscellaneous Revenues	1,123,044	130,526	121,031	121,412	126,438	133,052	139,089	144,299	148,877	153,688
Total Revenues	\$8,535,222	\$7,550,116	\$7,548,041	\$ 7 ,555,849	\$7,568,310	\$7,582,365	\$7,595,852	\$7,608,518	\$7,620,560	\$7,632,843
Expenses										
Total O&M Expenses	\$5,434,073	\$5,849,444	\$6,108,708	\$6,389,089	\$6,517,671	\$6,844,384	\$7,209,143	\$7,579,074	\$7,942,883	\$8,246,626
Additional Capital Funding	0	0	0	0	0	0	0	0	0	0
Net Debt Service	0	0	0	0	0	0	0	0	0	0
Reserve Funding	3,101,149	2,702,317	3,116,352	3,392,243	3,568,436	3,557,384	3,517,301	3,481,105	3,460,594	3,510,893
Total Revenue Requirement	\$8,535,222	\$8,551,760	\$9,225,060	\$9,781,333	\$10,086,106	\$10,401,768	\$10,726,444	\$11,060,179	\$11,403,477	\$11,757,518
Bal /(Def) of Funds	\$0	(\$1,001,645)	(\$1,677,019)	(\$2,225,484)	(\$2,517,797)	(\$2,819,403)	(\$3,130,592)	(\$3,451,661)	(\$3,782,917)	(\$4,124,675)
Proposed Rate Adjustment	0.0%	13.5%	8.0%	6.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Add'l Revenue with Rate Adj	\$0	\$1,001,645	\$1,677,019	\$2,225,484	\$2,517,797	\$2,819,403	\$3,130,592	\$3,451,661	\$3,782,917	\$4,124,675
Bal / (Def) After Rate Adj	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Average Residential Customer Bill (3,000 gal)										
Customer Bill on Proposed Adj.	\$72.78	\$82.39	\$88.72	\$93.99	\$96.84	\$99.76	\$102.75	\$105.83	\$109.01	\$112.28
Bill Difference - Monthly		9.61	6.33	5.26	2.85	2.92	2.99	3.08	3.18	3.27
Cumulative Bill Difference		9.61	15.94	21.21	24.06	26.98	29.97	33.05	36.23	39.50
Debt Service Coverage Ratio (all debt)			7							
Before Rate Adjustment	8.04	2.40	1.22	0.71	0.37	0.26	0.14	0.01	0.00	0.00
After Proposed Rate Adjustment	8.04	3.81	2.65	2.06	1.26	1.25	1.24	1.23	1.22	1.24

	Budget					Projec	cted				
	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033
Revenues											
Customer Growth	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Misc Revenues	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Expenses											
Labor	Budgeted	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Benefits - Medical	Budgeted	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%
Benefits - Other	Budgeted	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%
Professional Srvcs	Budgeted	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Materials & Supplies	Budgeted	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Equipment	Budgeted	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%
Chemicals	Budgeted	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Utilities	Budgeted	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%
Water and Sewer	Budgeted	17.5%	12.3%	8.8%	8.5%	3.3%	3.3%	3.3%	3.3%	3.3%	3.3%
Insurance	Budgeted	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Power	Budgeted	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%
O&M		7.6%	4.4%	4.6%	2.0%	5.0%	5.3%	5.1%	4.8%	3.8%	5.4%
CIP	Budgeted	4.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Miscellaneous	Budgeted	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%
nterest	0.7%	0.8%	0.9%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
New Debt Service Assumptions											
Revenue Bond											
Term in Years	20	20	20	20	20	20	20	20	20	20	20
Rate	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%
Low Interest Loan											
Term in Years	20	20	20	20	20	20	20	20	20	20	20
Rate	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%

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	Budget					Projec	cted					
	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	Notes
Revenues												
Rate Revenues												
Residential	\$3,193,848	\$3,197,042	\$3,200,239	\$3,203,439	\$3,206,643	\$3,209,849	\$3,213,059	\$3,216,272	\$3,219,489	\$3,222,708	\$3,225,931	As Customer Growth
Multi-Family	3,295,975	3,299,271	3,302,570	3,305,873	3,309,179	3,312,488	3,315,800	3,319,116	3,322,435	3,325,758	3,329,084	As Customer Growth
Commercial	922,355	923,277	924,200	925,125	926,050	926,976	927,903	928,831	929,760	930,689	931,620	As Customer Growth
Total Rate Revenues	\$7,412,178	\$7,419,590	\$7,427,010	\$7,434,437	\$7,441,871	\$7,449,313	\$7,456,762	\$7,464,219	\$7,471,683	\$7,479,155	\$7,486,634	
Other Revenues												
Effluent Disposal Sales	\$75,000	\$75,075	\$75,150	\$75,225	\$75,300	\$75,376	\$75,451	\$75,527	\$75,602	\$75,678	\$75,753	As Misc Revenues
Interest Income	20,844	28,223	18,626	18,905	23,829	30,340	36,274	41,381	45,856	50,564	54,893	Calculated on Reserves
Hunting Fees	20,000	20,020	20,040	20,060	20,080	20,100	20,120	20,140	20,161	20,181	20,201	As Misc Revenues
Interfund Revenue Transfers	1,000,000	0	0	0	0	0	0	0	0	0	0	As Misc Revenues
Other Sewer	7,200	7,207	7,214	7,222	7,229	7,236	7,243	7,251	7,258	7,265	7,272	As Misc Revenues
Total Other Revenues	\$1,123,044	\$130,526	\$121,031	\$121,412	\$126,438	\$133,052	\$139,089	\$144,299	\$148,877	\$153,688	\$158,120	
otal Revenues	\$8,535,222	\$7,550,116	\$7,548,041	\$7,555,849	\$7,568,310	\$7,582,365	\$7,595,852	\$7,608,518	\$7,620,560	\$7,632,843	\$7,644,754	
Expenses												
Nages												
Other Earnings	\$58,761	\$61,699	\$64,784	\$68,023	\$71,424	\$74,996	\$78,745	\$82,683	\$86,817	\$91,158	\$95,715	As Labor
Regular Earnings	1,877,432	1,971,304	2,069,869	2,173,362	2,282,030	2,396,132	2,515,938	2,641,735	2,773,822	2,912,513	3,058,139	As Labor
Salary Savings from Vacant Positions	(28,554)	0	0	0	0	0	0	0	0	0	0	
Total Wages	\$1,907,639	\$2,033,003	\$2,134,653	\$2,241,385	\$2,353,455	\$2,471,127	\$2,594,684	\$2,724,418	\$2,860,639	\$3,003,671	\$3,153,854	

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	Budget					Projec	cted					
	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	Notes
Benefits												
Dental Fringe Ben	\$23,729	\$25,153	\$26,662	\$28,262	\$29,957	\$31,755	\$33,660	\$35,680	\$37,820	\$40,090	\$42,495	As Benefits - Other
Disability Fringe Ben	9,614	10,191	10,802	11,450	12,137	12,866	13,638	14,456	15,323	16,243	17,217	As Benefits - Other
Life Ins Fringe Ben	3,665	3,885	4,118	4,365	4,627	4,905	5,199	5,511	5,841	6,192	6,563	As Benefits - Other
Medical Fringe Ben	334,047	367,452	404,197	444,617	489,078	537,986	591,785	650,963	716,059	787,665	866,432	As Benefits - Medical
Retirement Fringe Ben	345,021	365,722	387,666	410,926	435,581	461,716	489,419	518,784	549,911	582,906	617,880	As Benefits - Other
Taxes	154,860	158,732	162,700	166,767	170,936	175,210	179,590	184,080	188,682	193,399	198,234	As Miscellaneous
Unemployment Fringe Ben	30,411	32,236	34,170	36,220	38,393	40,697	43,139	45,727	48,471	51,379	54,461	As Benefits - Other
Vision Fringe Ben	2,640	2,798	2,966	3,144	3,333	3,533	3,745	3,970	4,208	4,460	4,728	As Benefits - Other
Work Comp Fringe Ben	48,463	51,371	54,453	57,720	61,183	64,854	68,746	72,870	77,243	81,877	86,790	As Benefits - Other
Total Benefits	\$952,450	\$1,017,539	\$1,087,734	\$1,163,471	\$1,245,227	\$1,333,521	\$1,428,919	\$1,532,040	\$1,643,558	\$1,764,210	\$1,894,801	
rofessional Services												
Audit	\$11,200	\$11,760	\$12,348	\$12,965	\$13,614	\$14,294	\$15,009	\$15,760	\$16,548	\$17,375	\$18,244	As Professional Srvcs
Legal	13,000	13,650	14,333	15,049	15,802	16,592	17,421	18,292	19,207	20,167	21,176	As Professional Srvcs
Professional Consultants	62,500	65,625	68,906	72,352	75,969	79,768	83,756	87,944	92,341	96,958	101,806	As Professional Srvcs
Total Professional Services	\$86,700	\$91,035	\$95,587	\$100,366	\$105,384	\$110,654	\$116,186	\$121,996	\$128,095	\$134,500	\$141,225	
ervices & Supplies												
BLDGS Maintenance Services	\$37,560	\$38,687	\$39,847	\$41,043	\$42,274	\$43,542	\$44,849	\$46,194	\$47,580	\$49,007	\$50,477	As Materials & Supplies
Chemical	236,500	248,325	260,741	273,778	287,467	301,841	316,933	332,779	349,418	366,889	385,234	As Chemicals
Computer License & Fees	4,400	4,532	4,668	4,808	4,952	5,101	5,254	5,411	5,574	5,741	5,913	As Materials & Supplies
Contractual Services	0	0	0	0	0	0	0	0	0	0	0	As Professional Srvcs
Dues & Subscriptions	6,300	6,489	6,684	6,884	7,091	7,303	7,523	7,748	7,981	8,220	8.467	As Materials & Supplies
Employee Recruit & Retain	2,650	2,730	2,811	2,896	2,983	3,072	3,164	3,259	3,357	3,458	3,561	As Materials & Supplies
Fleet Maintenance Services	186,671	192,271	198,039	203,980	210,100	216,403	222,895	229,582	236,469	243,563	250,870	As Materials & Supplies
Fuel	37,500	39,000	40,560	42,182	43,870	45,624	47,449	49,347	51,321	53,374	55,509	As Utilities
Janitorial	10,000	10,300	10,609	10,927	11,255	11,593	11,941	12,299	12,668	13,048	13,439	As Materials & Supplies
Lab	33,000	33,990	35,010	36,060	37,142	38,256	39,404	40,586	41,803	43,058	44,349	As Materials & Supplies
Office Supplies	4,000	4,120	4,244	4,371	4,502	4,637	4,776	4,919	5,067	5,219	5,376	As Materials & Supplies
Operating	55,820	57,495	59,219	60,996	62,826	64,711	66,652	68,652	70,711	72,832	75,017	As Materials & Supplies
Permits & Fees	15,060	15,512	15,977	16,456	16,950	17,459	17,982	18,522	19,078	19,650	20,239	As Materials & Supplies
R&M General	0	0	0	0	0	0	0	0	0	0	0	As Materials & Supplies
R&M Corrective	281,065	289,497	298,182	307,127	316,341	325,831	335,606	345,674	356,045	366,726	377,728	As Materials & Supplies
R&M Preventative	74,460	76,694	78,995	81,364	83,805	86,320	88,909	91,576	94,324	97,153	100,068	As Materials & Supplies
Repairs & Maintenance	0	0	0	0	0	0	0	0	0	0	0	See Shared and Capital Ex
Safety	13,400	13,802	14,216	14,643	15,082	15,534	16,000	16,480	16,975	17,484	18,008	As Materials & Supplies
Security	3,480	3,584	3,692	3,803	3,917	4,034	4,155	4,280	4,408	4,541	4,677	As Materials & Supplies
Small Equipment	7,500	7,725	7,957	8,195	8,441	8,695	8,955	9,224	9,501	9,786	10,079	As Materials & Supplies
Tools	11,200	11,536	11,882	12,239	12,606	12,984	13,373	13,775	14,188	14,613	15,052	As Materials & Supplies
Training & Education	18,800	19,364	19,945	20,543	21,160	21,794	22,448	23,122	23,815	24,530	25,266	As Materials & Supplies
Travel & Conferences	7,500	7,725	7,957	8,195	8,441	8,695	8,955	9,224	9,501	9,786	10,079	As Materials & Supplies
Uniforms	9,320	9,600	9,888	10,184	10,490	10,804	11,129	11,462	11,806	12,160	12,525	As Materials & Supplies
Total Services & Supplies	\$1,056,186	\$1,092,977	\$1,131,122	\$1,170,676	\$1,211,694	\$1,254,233	\$1,298,353	\$1,344,117	\$1,391,589	\$1,440,839	\$1,491,935	

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	Budget					Proje	cted					
	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	Notes
Utilities												
Cable TV	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	As Utilities
Electricity	367,400	382,096	397,380	413,275	429,806	446,998	464,878	483,473	502,812	522,925	543,842	As Utilities
Heating	28,400	29,536	30,717	31,946	33,224	34,553	35,935	37,372	38,867	40,422	42,039	As Utilities
Internet	11,600	12,064	12,547	13,048	13,570	14,113	14,678	15,265	15,875	16,510	17,171	As Utilities
Telephone	44,463	46,242	48,091	50,015	52,015	54,096	56,260	58,510	60,851	63,285	65,816	As Utilities
Trash	5,400	5,616	5,841	6,074	6,317	6,570	6,833	7,106	7,390	7,686	7,993	As Utilities
Water & Sewer	24,700	29,023	32,578	35,428	38,440	39,689	40,979	42,311	43,686	45,106	46,572	As Water and Sewer
Total Utilities	\$481,963	\$504,576	\$527,153	\$549,787	\$573,373	\$596,019	\$619,562	\$644,038	\$669,482	\$695,933	\$723,432	
Other										Y		
Central Services Allocation Cs	\$0	\$270,121	\$280,926	\$292,163	\$303,849	\$316,003	\$328,643	\$341,789	\$355,461	\$369,679	\$384,466	As Utilities
Defensible Space Costs	50,000	51,500	53,045	54,636	56,275	57,964	59,703	61,494	63,339	65,239	67,196	As Materials & Supplies
General Liability	100,000	103,000	106,090	109,273	112,551	115,927	119,405	122,987	126,677	130,477	134,392	As Insurance
Interfund Expense Transfers	614,135	460,564	464,512	476,551	422,043	451,925	503,326	542,316	556,470	490,626	526,016	As Materials & Supplies
Capital Expenses	185,000	170,000	170,000	170,000	70,000	70,000	70,000	70,000	70,000	70,000	90,000	As Materials & Supplies
Shared Capital Expenses	0	0	0	0	0	0	0	0	0	0	0	As Materials & Supplies
Total Other	\$949,135	\$1,055,185	\$1,074,573	\$1,102,623	\$964,718	\$1,011,819	\$1,081,077	\$1,138,587	\$1,171,946	\$1,126,021	\$1,202,069	
Future O&M								,				
Additional Staffing Needs	\$0	\$55,130	\$57,886	\$60,780	\$63,819	\$67,010	\$70,361	\$73,879	\$77,573	\$81,451	\$85,524	As Labor
O&M Contingency	0	0	0	0	0	0	0	0	0	0	0	As Materials & Supplies
Budget Savings	0	0	0	0	0	0	0	0	0	0	0	As O&M
Total Future O&M	\$0	\$55,130	\$57,886	\$60,780	\$63,819	\$67,010	\$70,361	\$73,879	\$77,573	\$81,451	\$85,524	
Total Operations & Maintenance	\$5,434,073	\$5,849,444	\$6,108,708	\$6,389,089	\$6,517,671	\$6,844,384	\$7,209,143	\$7,579,074	\$7,942,883	\$8,246,626	\$8,692,841	
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Debt Service	4400 570	40	40	40	40	40	40	40	40	40	40	E 1 3 9 E
NV Clean Wtr Loan 2005	\$128,578	\$0	\$0	\$0	\$0 0	\$0	\$0 0	\$0 0	\$0	\$0	\$0	Exhibit 5
NV Clean Wtr Loan 2007	207,536	207,536	207,536	207,536	ŭ	0	-	-	0	0	0	Exhibit 5
Assumed SRF Loan	49,536 0	501,120	969,120 0	1,437,120 0	2,836,882	2,836,882 0	2,836,882	2,836,882 0	2,836,882 0	2,836,882	2,836,882	\$52.74M @ 2.88% for 30 yrs Calc'd @ 2.5% for 20 yrs
Low Interest Loans Asssumed Revenue Bond	0	0	0	0	0	0	0	0	0	0	0	Calc'd @ 2.5% for 20 yrs
Asssumed Revenue Bond												Calc u @ 4.5% for 20 yrs
Total Debt Service	\$385,650	\$708,656	\$1,176,656	\$1,644,656	\$2,836,882	\$2,836,882	\$2,836,882	\$2,836,882	\$2,836,882	\$2,836,882	\$2,836,882	
Less: Debt Service Funding												
From Capital Reserve	\$385,650	\$708,656	\$1,176,656	\$1,644,656	\$2,836,882	\$2,836,882	\$2,836,882	\$2,836,882	\$2,836,882	\$2,836,882	\$2,836,882	
Total Less Debt Service Funding	\$385,650	\$708,656	\$1,176,656	\$1,644,656	\$2,836,882	\$2,836,882	\$2,836,882	\$2,836,882	\$2,836,882	\$2,836,882	\$2,836,882	
Net Debt Service	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	

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	Budget					Proje	cted					
	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	Notes
Reserve Funding												
Operating Fund Transfer	(\$121,696)	(\$523,751)	(\$112,942)	\$159,720	\$332,680	\$318,393	\$275,070	\$235,633	\$211,876	\$258,926	\$173,957	
Capital Fund Transfer	3,222,845	3,226,068	3,229,294	3,232,523	3,235,756	3,238,992	3,242,231	3,245,473	3,248,718	3,251,967	3,255,219	As Customer Growth
Additional Capital Funding	0	0	0	0	0	0	0	0	0	0	0	FY 2022 Depr Exp = \$1,876,600
Effluent Reserve Fund	0	0	0	0	0	0	0	0	0	0	0	
Total Reserve Funding	\$3,101,149	\$2,702,317	\$3,116,352	\$3,392,243	\$3,568,436	\$3,557,384	\$3,517,301	\$3,481,105	\$3,460,594	\$3,510,893	\$3,429,176	
Total Revenue Requirement	\$8,535,222	\$8,551,760	\$9,225,060	\$9,781,333	\$10,086,106	\$10,401,768	\$10,726,444	\$11,060,179	\$11,403,477	\$11,757,518	\$12,122,017	
Bal /(Def) of Funds	\$0	(\$1,001,645)	(\$1,677,019)	(\$2,225,484)	(\$2,517,797)	(\$2,819,403)	(\$3,130,592)	(\$3,451,661)	(\$3,782,917)	(\$4,124,675)	(\$4,477,263)	
Bal as a % of Rate Adj	0.0%	13.5%	22.6%	29.9%	33.8%	37.8%	42.0%	46.2%	50.6%	55.1%	59.8%	
Proposed Rate Adjustment	0.0%	13.5%	8.0%	6.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	
Add'l Revenue with Rate Adj	\$0	\$1,001,645	\$1,677,019	\$2,225,484	\$2,517,797	\$2,819,403	\$3,130,592	\$3,451,661	\$3,782,917	\$4,124,675	\$4,477,263	
Bal / (Def) After Rate Adj	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Total Balance as a % of Rates	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Average Residential Customer Bill (3,000 gal)	\$72.78						4	4	4	4	4	
Customer Bill on Proposed Adj.	\$72.78	\$82.39	\$88.72	\$93.99	\$96.84	\$99.76	\$102.75	\$105.83	\$109.01	\$112.28	\$115.65	
Bill Difference - Monthly		9.61	6.33	5.26	2.85	2.92	2.99	3.08	3.18	3.27	3.37	
Cumulative Bill Difference		9.61	15.94	21.21	24.06	26.98	29.97	33.05	36.23	39.50	42.87	
Debt Service Coverage Ratio (all debt)												
Before Rate Adjustment	8.04	2.40	1.22	0.71	0.37	0.26	0.14	0.01	0.00	0.00	0.00	Min. Target 1.00
After Proposed Rate Adjustment	8.04	3.81	2.65	2.06	1.26	1.25	1.24	1.23	1.22	1.24	1.21	Min. Target 1.00

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•	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	Total
Sewer Capital									>			
Update Camera Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$80,718	\$0	\$0	\$0	\$80,718
SCADA Management Servers/Network - WRRF	0	0	0	0	0	0	0	99,345	0	0	0	99,345
Pond Lining Project (Storage Tank)	3,000,000	2,652,000	0	0	0	0	0	0	0	0	0	5,652,000
Effluent Pipeline Project	10,000,000	15,080,000	15,532,400	15,998,372	0	0	0	0	0	0	0	56,610,772
Sewer Pumping Station Improvements	50,000	104,000	107,120	110,334	113,644	117,053	120,565	124,181	127,907	131,744	169,621	1,276,168
Sewer Pumping Station 14 Improvements	0	0	123,188	441,334	0	0	0	0	0	0	0	564,522
2001 Sellick Forklift #499	0	67,600	0	0	0	0	0	0	0	0	0	67,600
Emergency Pump and Generator #752 and #753	0	0	0	0	0	0	0	0	0	0	0	0
2006 Kenworth T800 Bin truck #587	0	0	0	218,461	0	0	0	0	0	0	0	218,461
2018 Flail Mower #784	0	0	0	0	17,047	0	0	19,869	0	0	0	36,916
2001 Jet-Away Line Cleaner #767	0	0	0	0	0	55,015	0	0	0	0	0	55,015
2008 Chevrolet Camera Truck #615	0	0	0	0	96,597	0	0	0	0	0	0	96,597
Sewer Main Rehabilitation	0	104,000	107,120	551,668	340,931	351,159	361,694	620,907	383,721	395,232	407,089	3,623,520
Wastewater Resource Recovery Facility (WRRF) Drainage Imp	0	0	0	0	0	0	0	0	0	0	0	0
Wetlands Effluent Disposal Facility Improvements	100,000	182,000	53,560	55,167	227,287	117,053	120,565	124,181	319,767	131,744	135,696	1,567,021
Roof Replacement Water Resource Recovery Facility	0	338,000	0	0	0	0	0	0	0	0	0	338,000
Water Resource Recovery Facility Improvements	100,000	182,000	508,820	441,334	198,876	204,843	1,205,645	0	255,814	0	271,393	3,368,725
WRRF Biosolids Bins	0	0	0	110,334	0	0	0	0	0	0	0	110,334
Sewer Pump Station #1 Improvements	500,000	0	0	0	0	0	0	0	0	0	0	500,000
SPS#1 Pump Station & Generator Bldg Roof Replacement	0	0	0	281,351	0	0	0	0	0	0	0	281,351
Total Sewer Capital	\$13,750,000	\$18,709,600	\$16,432,208	\$18,208,354	\$994,382	\$845,122	\$1,808,468	\$1,069,202	\$1,087,208	\$658,720	\$983,799	\$74,547,063

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	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	Total
pital Improvements - Shared (50% Sewer)			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·					· · · · · · · · · · · · · · · · · · ·			
Replace Public Works Front Security Gate	\$0	\$0	\$0	\$0	\$45,457	\$0	\$0	\$0	\$0	\$0	\$59,109	\$104,567
Replace Roof Public Works #B	0	0	0	0	56,822	0	0	0	0	0	0	56,822
Building B Replacement	0	0	0	0	0	0	0	62,091	0	0	0	62,091
Loader Tire Chains - 2 Sets	0	0	0	11,420	0	0	0	13,412	0	0	0	24,831
2002 Caterpillar 950G Loader #523	0	0	0	0	0	0	0	0	0	187,735	0	187,735
2002 Caterpillar 950G Loader #525	0	0	0	0	0	0	0	0	0	0	193,367	193,367
2018 MultiHog MX120 Snowblower #783	0	0	0	97,094	0	0	0	0	0	0	0	97,094
1997 Forklift #315	0	0	0	0	20,456	0	0	0	0	0	0	20,456
2013 Trackless Snowblower #687	0	0	0	0	102,279	0	0	0	118,314	0	0	220,593
2001 105KW Mobile Generator #313	0	0	0	0	0	0	39,183	0	0	0	0	39,183
2020 Vac-Con Truck #807	0	0	0	0	269,904	0	0	0	0	0	0	269,904
2004 Freightliner Vactor Truck #534	0	0	0	209,634	0	0	0	0	0	0	0	209,634
2020 Chevy Dump Truck #829	0	0	0	0	0	0	0	49,673	0	0	119,413	169,085
2001 Peterbilt Bin Truck #468	0	0	101,764	0	0	0	0	0	0	0	0	101,764
Snowplow #300A	0	0	0	0	0	0	0	0	0	13,833	0	13,833
Snowplow #307A	0	0	0	0	0	0	0	0	0	0	0	0
Slurry Liquidator #326	0	0	0	0	0	0	0	0	26,221	0	0	26,221
2004 9' Western Snow Plow #542A	0	0	0	0	0	0	0	0	0	0	0	0
2019 Sander/Spreader #808	0	0	5,356	0	0	0	0	7,451	0	0	0	12,807
2012 Snowplow #669B	0	0	6,427	0	0	0	0	0	0	5,270	0	11,697
2017 Caterpillar 420F2 Backhoe #755	0	0	0	0	0	0	0	0	0	92,221	0	92,221
2013 Chevy Equinox #691	0	19,240	0	0	0	0	0	0	0	0	0	19,240
2009 Chevrolet 1/2 ton Pick-up #826 Compliance Dept.	0	0	0	0	0	18,143	0	0	0	0	0	18,143
2013 1/2 Ton Pick-Up #677 Treatment	0	19,240	0	0	0	0	0	0	0	0	0	19,240
2003 GMC 3/4-Ton Pick-up #702	0	0	21,424	0	0	0	0	0	0	0	0	21,424
2005 Chevy 1/2-Ton Pick-up #553	0	0	20,353	0	0	0	0	0	0	0	24,425	44,778
2009 Chevrolet 1/2 Ton Pick-up Truck #631	0	0	20,353	0	0	0	0	0	0	0	23,068	43,421
2009 Chevrolet 1/2 Ton Pick-up Truck #632 Engineering Dept.	0	0	0	17,653	0	0	0	0	0	0	23,068	40,722
2012 Extend-A-Cab Pick-up #678 Pipeline Dept.	0	0	0	20,412	0	0	0	0	21,744	0	0	42,156
2004 3/4-Ton Service Truck w/liftgate & crane #703	0	0	31,065	0	0	0	0	0	, 0	0	0	31,065
2013 1-Ton Flatbed #679 Pipeline Dept.	0	0	0	0	26,138	0	0	0	0	0	0	26,138
2012 1-Ton Service Truck w/ Liftgate #668 Treatment	0	0	0	25,928	0	0	0	0	0	0	31,210	57,139
2013 1-Ton Service Truck #680 Utilities Electrician	0	22,880	0	. 0	0	0	0	0	0	0	0	22,880
2004 GMC 1-Ton Flatbed #825 Pipeline Dept.	0	0	0	0	0	0	0	39,738	0	0	0	39,738
2008 Chevrolet Service Truck #810	0	0	0	0	0	0	0	21,111	0	0	0	21,111
2008 Chevrolet Service Truck #680	0	0	0	27,032	0	0	0	, 0	0	0	33,924	60,956
2011 Chevrolet Service Truck #647 Treatment	0	0	0	0	0	0	0	0	31,337	0	0	31,337
Public Works Billing Software Replacement	0	104,000	0	0	0	0	0	0	0	0	0	104,000
Large Format Printer Replacement	0	0	0	15,998	0	0	0	0	0	0	0	15,998
Pavement Maintenance, Reservoir 3-1 WPS 4-2/5-1	45,000	130,000	0	0	0	0	0	0	0	0	0	175,000
Medium Duty Truck Plow	8,250	0	0	0	0	0	0	0	0	0	0	8,250
Chevy 1/2 Ton Pick-up Truck	18,600	0	0	0	0	0	0	0	0	0	0	18,600
Utilities System and Plant Controls Upgrade	0	0	133,900	137,917	142,055	0	0	0	0	0	0	413,872
Total Capital Improvements - Shared (50% Sewer)	\$71,850	\$295,360	\$340,642	\$563,088	\$663,110	\$18,143	\$39,183	\$193,475	\$197,616	\$299,059	\$507,586	\$3,189,112

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	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	Total	Notes
Less R&M Funded Items (O&M)	0	0	0	0	0	0	0	0	0	0	0	\$0	
Future Unidentified Capital Improvements	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Transfer to Capital Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Total Capital Improvement Projects	\$13,821,850	\$19,004,960	\$16,772,850	\$18,771,442	\$1,657,492	\$863,265	\$1,847,651	\$1,262,677	\$1,284,825	\$957,780	\$1,491,385	\$77,736,175	
Less: Other Funding Sources													
Operating Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Input
Capital Fund	0	0	0	0	0	0	297,510	1,262,677	1,284,825	957,780	1,491,385	5,294,177	Input
Effluent Reserve Fund	6,411,850	1,935,960	522,850	2,521,442	1,657,492	863,265	1,550,141	0	0	0	0	15,463,000	
USDA Grant	2,250,000	1,989,000	0	0	0	0	0	0	0	0	0	4,239,000	
Assumed SRF Loan	5,160,000	15,080,000	16,250,000	16,250,000	0	0	0	0	0	0	0	52,740,000	\$52.74M Total
Low Interest Loan	0	0	0	0	0	0	0	0	0	0	0	0	Input
Revenue Bond	0	0	0	0	0	0	0	0	0	0	0	0	Calculated
Total Other Funding Sources	\$13,821,850	\$19,004,960	\$16,772,850	\$18,771,442	\$1,657,492	\$863,265	\$1,847,651	\$1,262,677	\$1,284,825	\$957,780	\$1,491,385	\$77,736,177	
Additional Capital Funding	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	

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\$958,724	\$830,146	\$128,578	
0	0	0	FY 2041
0	0	0	FY 2040
0	0	0	FY 2039
0	0	0	FY 2038
0	0	0	FY 2037
0	0	0	FY 2036
0	0	0	FY 2035
0	0	0	FY 2034
0	0	0	FY 2033
0	0	0	FY 2032
0	0	0	FY 2031
0	0	0	FY 2030
0	0	0	FY 2029
0	0	0	FY 2028
0	0	0	FY 2027
207,536	207,536	0	FY 2026
207,536	207,536	0	FY 2025
207,536	207,536	0	FY 2024
\$336,114	\$207,536	\$128,578	FY 2023
(P&I)	Loan 2007	Loan 2005	Year
Debt Service	NV Clean Wtr	NV Clean Wtr	
Total Annual			

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Revenues At Present Rates Exhibit 6

		July	August	September	October	November	December	January	February	March	April	May	June	Total
Residential														
	\$/Acct													
Base Charge	\$25.10	3,695	3,695	3,695	3,695	3,695	3,695	3,695	3,695	3,695	3,695	3,695	3,695	3,695
Capital Improvement	\$31.45	3,695	3,695	3,695	3,695	3,695	3,695	3,695	3,695	3,695	3,695	3,695	3,695	
Admin Fee	\$4.23	3,695	3,695	3,695	3,695	3,695	3,695	3,695	3,695	3,695	3,695	3,695	3,695	
	\$ / 1,000 gal													
Sewer Use	\$4.00	10,431	10,666	10,396	10,682	8,799	12,528	11,081	9,330	10,029	11,311	9,168	10,295	124,716
Total Revenue		\$266,306	\$267,245	\$266,165	\$267,308	\$259,777	\$274,695	\$268,907	\$261,902	\$264,697	\$269,828	\$261,256	\$265,761	\$3,193,848
Multi-Family														
	\$ / Unit													
Base Charge	\$25.10	4,091	4,091	4,091	4,091	4,091	4,091	4,091	4,091	4,091	4,091	4,091	4,091	4,091
Capital Improvement	\$31.45	4,091	4,091	4,091	4,091	4,091	4,091	4,091	4,091	4,091	4,091	4,091	4,091	
Admin Fee	\$4.23	259	259	259	259	259	259	259	259	259	259	259	259	259
	\$ / 1,000 gal													
Sewer Use	\$4.00	10,605	10,556	10,286	10,298	10,512	11,656	10,831	10,553	10,527	9,970	10,290	10,586	126,669
Total Revenue		\$274,861	\$274,665	\$273,584	\$273,632	\$274,489	\$279,064	\$275,767	\$274,654	\$274,549	\$272,323	\$273,601	\$274,784	\$3,295,975

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Incline Village General Improvement District

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Wastewater Rate Study

Revenues At Present Rates Exhibit 6

		_	July	August	September	October	November	December	January	February	March	April	May	June	Total
Commercial															
Base Charge	\$ / Acct.														
3/4"	\$25.10	\$31.45	77	77	77	77	77	77	77	77	77	77	77	77	77
1"	41.92	52.52	60	60	60	60	60	60	60	60	60	60	60	60	60
1 1/2"	83.58	104.73	45	45	45	45	45	45	45	45	45	45	45	45	45
2"	133.78	167.63	35	35	35	35	35	35	35	35	35	35	35	35	35
3"	251.00	314.50	7	7	7	7	7	7	7	7	7	7	7	7	7
4"	418.42	524.27	3	3	3	3	3	3	3	3	3	3	3	3	3
6"	836.58	1,048.23	2	2	2	2	2	2	2	2	2	2	2	2	2
8"	1,338.58	1,677.23	1	1	1	1	1	1	1	1	1	1	1	1	1
10"	1,497.74	2,410.64	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Revenues			230	230	230	230	230	230	230	230	230	230	230	230	230
Admin Fee	\$4.23		230	230	230	230	230	230	230	230	230	230	230	230	
	\$/CCF														
Sewer Use	\$4.70		9,806	9,160	7,580	7,671	8,532	6,227	5,510	4,717	5,743	5,402	6,474	8,133	84,955
Total Revenue			\$89,677	\$86,642	\$79,216	\$79,645	\$83,687	\$72,855	\$69,485	\$65,757	\$70,579	\$68,979	\$74,015	\$81,816	\$922,355

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Incline Village General Improvement District Wastewater Rate Study Revenues At Present Rates Exhibit 6

	July	August	September	October	November	December	January	February	March	April	May	June	Total
Summary													
Number of Customers													
Residential	3,695	3,695	3,695	3,695	3,695	3,695	3,695	3,695	3,695	3,695	3,695	3,695	3,695
Multi-Family	259	259	259	259	259	259	259	259	259	259	259	259	259
Commercial	230	230	230	230	230	230	230	230	230	230	230	230	230
Total Number of Customers	4,184	4,184	4,184	4,184	4,184	4,184	4,184	4,184	4,184	4,184	4,184	4,184	4,184
Consumption													
Residential	10,431	10,666	10,396	10,682	8,799	12,528	11,081	9,330	10,029	11,311	9,168	10,295	124,716
Multi-Family	10,605	10,556	10,286	10,298	10,512	11,656	10,831	10,553	10,527	9,970	10,290	10,586	126,669
Commercial	9,806	9,160	7,580	7,671	8,532	6,227	5,510	4,717	5,743	5,402	6,474	8,133	84,955
Total Consumption	30,842	30,382	28,261	28,651	27,842	30,411	27,423	24,600	26,298	26,684	25,932	29,014	336,339
Revenues													
Residential	\$266,306	\$267,245	\$266,165	\$267,308	\$259,777	\$274,695	\$268,907	\$261,902	\$264,697	\$269,828	\$261,256	\$265,761	\$3,193,848
Multi-Family	274,861	274,665	273,584	273,632	274,489	279,064	275,767	274,654	274,549	272,323	273,601	274,784	3,295,975
Commercial	89,677	86,642	79,216	79,645	83,687	72,855	69,485	65,757	70,579	68,979	74,015	81,816	922,355
Total Revenues	\$630,845	\$628,552	\$618,965	\$620,585	\$617,953	\$626,615	\$614,160	\$602,314	\$609,826	\$611,130	\$608,872	\$622,361	\$7,412,178
											FY 2	2023 Budget	\$7,468,046
												Difference	(\$55,868)
												Percent	-0.7%
											FY	2021 Actual	\$6,934,000
											• •	Difference	\$478,178
												Percent	6.9%

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Incline Village General Improvement District Wastewater Rate Study Development of Volume Distribution Factor Exhibit 7

		5.0%	Total Annual	Avg. Daily	
	Annual flow	Inflow and	Flow at Plant	Flow At	% of
	in 1,000 gal	Infiltration	(1,000 gal)	Plant (MGD)	Total
Residential	124,716	6,236	130,952	0.36	38.5%
Multi-Family	126,669	6,333	133,002	0.36	39.1%
Commercial	72,260	3,613	75,873	0.21	22.3%
Total	323,644		339,827	0.93	100.0%
	Ac	ctual Flows ^[1]	453,640	0.93	
Distribution Factor					(VOL)
Notes					

^{[2] -} Provided by District July 2020 - Aug 2021

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Incline Village General Improvement District Wastewater Rate Study Development of the Strength Distribution Factor Exhibit 8

		Bioche	mical Oxygen Dei	mand	Suspended Solids			
	Annual Flow (MGD)	Avg. Factor (mg/l)	Calculated Pounds	% of Total	Avg. Factor (mg/l)	Calculated Pounds	% of Total	
Residential	0.36	190	569	38.5%	150	449	38.5%	
Multi-Family	0.36	190	577	39.1%	150	456	39.1%	
Commercial	0.21	190	329	22.3%	150	260	22.3%	
Total	0.93		1,475	100.0%		1,165	100.0%	
Pounds Removed			1,411			1,029		
Distribution Factor				(BOD)			(SS)	

Notes

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Incline Village General Improvement District Wastewater Rate Study Development of the Customer Distribution Factor Exhibit 9

	Actual Cust	tomer	Customer Capac	ity Demand
	Number of	% of	Weighted	% of
	Accounts [1]	Total	Customer	Total
Residential	3,699	88.3%	3,699	43.3%
Multi-Family	259	6.2%	4,095	47.9%
Commercial	230	5.5%	754	8.8%
Total	4,188	100.0%	8,547	100.0%
Distribution Factor		(AC)		(CCD)
Notes				

^{[1] -} Customer accounts are increased by one year of growth (0.10% / yr)

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Incline Village General Improvement District
Wastewater Rate Study
Development of the Revenue Related Distribution Factor
Exhibit 10

	Revenue	
	FY 2024	% of Total
Residential	\$3,197,042	43.1%
Multi-Family	3,299,271	44.5%
Commercial	923,277	12.4%
Total	\$7,419,590	100.0%
Distribution Factor		(RR)



Incline Village General Improvement District Wastewater Rate Study Functionalization and Classification Exhibit 11.1

					Customer Related				
	Net Plant	Volume (VOL)	Strength Bio-Oxygen Demand (BOD)	Related Suspended Solids (SS)	Actual Customer (AC)	Customer Capacity Demand (CCD)	Revenue Related (RR)	Direct Assign. (DA)	Basis of Classification
Treatment	\$18,914,844	\$9,457,422	\$4,728,711	\$4,728,711	\$0	\$0	\$0	\$0	50.0% VOL 25.0% BOD 25.0% SS
Collection									
Manholes	\$312,786	\$312,786	\$0	\$0	\$0	\$0	\$0	\$0	100.0% VOL
Lift Station	4,224,916	4,224,916	0	0	0	0	0	0	100.0% VOL
Sewer Mains	3,584,711	3,584,711	0	0	0	0	0	0	100.0% VOL 0.0% CCD
Total Collection	\$8,122,413	\$8,122,413	\$0	\$0	\$0	\$0	\$0	\$0	
Total Plant Before General	\$28,724,481	\$19,267,059	\$4,728,711	\$4,728,711	\$0	\$0	\$0	\$0	
General Plant									
Equipment	\$1,885,452	\$1,264,674	\$310,389	\$310,389	\$0	\$0	\$0	\$0	As General Plant
Misc	15,494	10,393	2,551	2,551	0	0	0	0	As General Plant
Office Equipment	70,850	47,523	11,664	11,664	0	0	0	0	As General Plant
Buildings & Structures	4,084,460	2,739,668	672,396	672,396	0	0	0	0	As General Plant
Vehicles	430,888	289,020	70,934	70,934	0	0	0	0	As General Plant
Total General Plant	\$6,487,144	\$4,351,277	\$1,067,933	\$1,067,933	\$0	\$0	\$0	\$0	
Net Plant in Service	\$35,211,625	\$23,618,336	\$5,796,644	\$5,796,644	\$0	\$0	\$0	\$0	

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				Customer Related					
			Strength	Related		Customer			
			Bio-Oxygen	Suspended	Actual	Capacity	Revenue	Direct	
	Expenses	Volume	Demand	Solids	Customer	Demand	Related	Assign.	
	FY 2024	(VOL)	(BOD)	(SS)	(AC)	(CCD)	(RR)	(DA)	Basis of Classification
Expenses									
Wages									
Other Earnings	\$61,699	\$0	\$0	\$0	\$0	\$61,699	\$0	\$0	100.0% CCD
Regular Earnings	1,971,304	0	0	0	0	1,971,304	0	0	100.0% CCD
Salary Savings from Vacant Positions	0	0	0	0	0	0	0	0	100.0% CCD
Total Wages	\$2,033,003	\$0	\$0	\$0	\$0	\$2,033,003	\$0	\$0	
Benefits									
Dental Fringe Ben	\$25,153	\$0	\$0	\$0	\$0	\$25,153	\$0	\$0	100.0% CCD
Disability Fringe Ben	10,191	0	0	0	0	10,191	0	0	100.0% CCD
Life Ins Fringe Ben	3,885	0	0	0	0	3,885	0	0	100.0% CCD
Medical Fringe Ben	367,452	0	0	0	0	367,452	0	0	100.0% CCD
Retirement Fringe Ben	365,722	0	0	0	0	365,722	0	0	100.0% CCD
Taxes	158,732	0	0	0	0	158,732	0	0	100.0% CCD
Unemployment Fringe Ben	32,236	0	0	0	0	32,236	0	0	100.0% CCD
Vision Fringe Ben	2,798	0	0	0	0	2,798	0	0	100.0% CCD
Work Comp Fringe Ben	51,371	0	0	0	0	51,371	0	0	100.0% CCD
Total Benefits	\$1,017,539	\$0	\$0	\$0	\$0	\$1,017,539	\$0	\$0	
Professional Services									
Audit	\$11,760	\$7,888	\$1,936	\$1,936	\$0	\$0	\$0	\$0	As Net Plant in Service
Legal	13,650	9,156	2,247	2,247	0	0	0	0	As Net Plant in Service
Professional Consultants	65,625	44,018	10,803	10,803	0	0	0	0	As Net Plant in Service
Total Professional Services	\$91,035	\$61,062	\$14,986	\$14,986	\$0	\$0	\$0	\$0	

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					Customer	Related			
			Strength	Related		Customer			
			Bio-Oxygen	Suspended	Actual	Capacity	Revenue	Direct	
	Expenses	Volume	Demand	Solids	Customer	Demand	Related	Assign.	
	FY 2024	(VOL)	(BOD)	(SS)	(AC)	(CCD)	(RR)	(DA)	Basis of Classification
Services & Supplies									
BLDGS Maintenance Services	\$38,687	\$25,949	\$6,369	\$6,369	\$0	\$0	\$0	\$0	As Net Plant in Service
Chemical	248,325	248,325	0	0	0	0	0	0	100.0% VOL
Computer License & Fees	4,532	3,040	746	746	0	0	0	0	As Net Plant in Service
Contractual Services	0	0	0	0	0	0	0	0	As Net Plant in Service
Dues & Subscriptions	6,489	4,353	1,068	1,068	0	0	0	0	As Net Plant in Service
Employee Recruit & Retain	2,730	1,831	449	449	0	0	0	0	As Net Plant in Service
Fleet Maintenance Services	192,271	128,967	31,652	31,652	0	0	0	0	As Net Plant in Service
Fuel	39,000	26,159	6,420	6,420	0	0	0	0	As Net Plant in Service
Janitorial	10,300	6,909	1,696	1,696	0	0	0	0	As Net Plant in Service
Lab	33,990	33,990	0	0	0	0	0	0	100.0% VOL
Office Supplies	4,120	2,764	678	678	0	0	0	0	As Net Plant in Service
Operating	57,495	38,565	9,465	9,465	0	0	0	0	As Net Plant in Service
Permits & Fees	15,512	10,405	2,554	2,554	0	0	0	0	As Net Plant in Service
R&M General	0	0	0	0	0	0	0	0	As Net Plant in Service
R&M Corrective	289,497	194,181	47,658	47,658	0	0	0	0	As Net Plant in Service
R&M Preventative	76,694	51,443	12,626	12,626	0	0	0	0	As Net Plant in Service
Repairs & Maintenance	0	0	0	0	0	0	0	0	As Net Plant in Service
Safety	13,802	9,258	2,272	2,272	0	0	0	0	As Net Plant in Service
Security	3,584	2,404	590	590	0	0	0	0	As Net Plant in Service
Small Equipment	7,725	5,182	1,272	1,272	0	0	0	0	As Net Plant in Service
Tools	11,536	7,738	1,899	1,899	0	0	0	0	As Net Plant in Service
Training & Education	19,364	12,988	3,188	3,188	0	0	0	0	As Net Plant in Service
Travel & Conferences	7,725	5,182	1,272	1,272	0	0	0	0	As Net Plant in Service
Uniforms	9,600	6,439	1,580	1,580	0	0	0	0	As Net Plant in Service
Total Services & Supplies	\$1,092,977	\$826,069	\$133,454	\$133,454	\$0	\$0	\$0	\$0	
Utilities									
Cable TV	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	As Net Plant in Service
Electricity	382,096	382,096	0	0	0	0	0	0	100.0% VOL
Heating	29,536	19,811	4,862	4,862	0	0	0	0	As Net Plant in Service
Internet	12,064	8,092	1,986	1,986	0	0	0	0	As Net Plant in Service
Telephone	46,242	31,017	7,612	7,612	0	0	0	0	As Net Plant in Service
Trash	5,616	3,767	925	925	0	0	0	0	As Net Plant in Service
Water & Sewer	29,023	19,467	4,778	4,778	0	0	0	0	As Net Plant in Service
Total Utilities	\$504,576	\$464,250	\$20,163	\$20,163	\$0	\$0	\$0	\$0	
rotal Othities	\$504,576	3404,250	\$20,163	\$20,163	ŞU	ŞU	ŞU	ŞU	

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					Customer Related				
				Strength Related		Customer			
		•	Bio-Oxygen	Suspended	Actual	Capacity	Revenue	Direct	
	Expenses	Volume	Demand	Solids	Customer	Demand	Related	Assign.	
	FY 2024	(VOL)	(BOD)	(SS)	(AC)	(CCD)	(RR)	(DA)	Basis of Classification
Other									
Central Services Allocation Cs	\$270,121	\$181,185	\$44,468	\$44,468	\$0	\$0	\$0	\$0	As Net Plant in Service
Defensible Space Costs	51,500	34,544	8,478	8,478	0	0	0	0	As Net Plant in Service
General Liability	103,000	69,088	16,956	16,956	0	0	0	0	As Net Plant in Service
Interfund Expense Transfers	460,564	308,925	75,819	75,819	0	0	0	0	As Net Plant in Service
Capital Expenses	170,000	114,028	27,986	27,986	0	0	0	0	As Net Plant in Service
Shared Capital Expenses	0	0	0	0	0	0	0	0	As Net Plant in Service
									75 Net Flant in Service
Total Other	\$1,055,185 CHECK	\$707,770	\$173,708	\$173,708	\$0	\$0	\$0	\$0	
uture O&M									
Additional Staffing Needs	\$55,130	\$36,978	\$9,076	\$9,076	\$0	\$0	\$0	\$0	As Net Plant in Service
O&M Contingency	0	0	0	0	0	0	0	0	As Net Plant in Service
Budget Savings	0	0	0	0	0	0	0	0	As Net Plant in Service
Shared Capital Expenses	0	0	0	0	0	0	0	0	As Net Plant in Service
Total Future O&M	\$55,130	\$36,978	\$9,076	\$9,076	\$0	\$0	\$0	\$0	
	4= 040 444	40.000.000	4071.000	4000	- 40	40.000.00			
Total Operations & Maintenance	\$5,849,444	\$2,096,129	\$351,386	\$351,386	\$0	\$3,050,541	\$0	\$0	
Dalet Camilan	CHECK								
Debt Service	ćo	ćo	ćo.	ćo	¢0	ćo	40	ćo	As Not Blook in Coming
NV Clean Wtr Loan 2005	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	As Net Plant in Service
NV Clean Wtr Loan 2007	207,536	139,206	34,165	34,165	0	0	0	0	As Net Plant in Service
Assumed SRF Loan	501,120	336,128	82,496	82,496	0	0	0	0	As Net Plant in Service
Asssumed Revenue Bond	0	0	0	0	0	0	0	0	As Net Plant in Service
Total Debt Service	\$708,656	\$475,334	\$116,661	\$116,661	\$0	\$0	\$0	\$0	
Less: Debt Service Funding									
From Capital Reserve	\$708,656	\$475,334	\$116,661	\$116,661	\$0	\$0	\$0	\$0	As Debt
Total Less Debt Service Funding	\$708,656	\$475,334	\$116,661	\$116,661	\$0	\$0	\$0	\$0	
-									
Net Debt Service	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Reserve Funding									
Operating Fund Transfer	(\$523,751)	(\$523,751)	\$0	\$0	\$0	\$0	\$0	\$0	100.0% VOL
Capital Fund Transfer	3,226,068	0	0	0	0	3,226,068	0	0	100.0% CCD
Additional Capital Funding	0	0	0	0	0	0	0	0	100.0% CCD
Effluent Reserve Fund	0	0	0	0	0	0	0	0	100.0% CCD
Total Reserve Funding	\$2,702,317	(\$523,751)	\$0	\$0	\$0	\$3,226,068	\$0	\$0	
Total Revenue Requirement	\$8,551,760	\$1,572,378	\$351,386	\$351,386	\$0	\$6,276,609	\$0	\$0	
Less: Other Revenues									
Effluent Disposal Sales	\$75,075	\$75,075	\$0	\$0	\$0	\$0	\$0	\$0	100.0% VOL
Interest Income	28,223	10,114	1,695	1,695	0	14,719	0	0	As Total O&M
Hunting Fees	20,020	7,174	1,203	1,093	0	10,441	0	0	As Total O&M
Interfund Revenue Transfers	20,020	7,174	1,203	1,203	0	10,441	0	0	As Total O&M
	-				0		0	-	
Other Sewer	7,207	2,583	433	433		3,759		0	As Total O&M
Total Other Revenues	\$130,526	\$94,946	\$3,331	\$3,331	\$0	\$28,918	\$0	\$0	
Net Revenue Requirement	\$8,421,235	\$1,477,433	\$348,055	\$348,055	\$0	\$6,247,691	\$0	\$0	

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Incline Village General Improvement District Wastewater Rate Study Distribution of Revenue Requirement Exhibit 13

	Net Revenue Requirement	Residential	Multi-Family	Commercial	Basis of Allocation
Volume	\$1,477,433	\$569,326	\$578,242	\$329,865	(VOL)
Strength					
Bio-Oxygen Demand	\$348,055	\$134,122	\$136,223	\$77,710	(BOD)
Suspended Solids	348,055	134,122	136,223	77,710	(SS)
Total Strength	\$696,111	\$268,245	\$272,446	\$155,420	
Customer					
Actual Customer	\$0	\$0	\$0	\$0	(AC)
Customer Capacity Demand	6,247,691	2,703,531	2,993,274	550,887	(CCD)
Total Customer Related	\$6,247,691	\$2,703,531	\$2,993,274	\$550,887	
Revenue Related	\$0	\$0	\$0	\$0	(RR)
Direct Assign.	\$0	\$0	\$0	\$0	(DA)
Net Revenue Requirement	\$8,421,235	\$3,541,102	\$3,843,962	\$1,036,171	-

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Incline Village General Improvement District
Wastewater Rate Study
Summary of Cost of Service Analysis
Exhibit 14

	FY 2024			
	Expenses	Residential	Multi-Family	Commercial
Revenues at Present Rates	\$7,419,590	\$3,197,042	\$3,299,271	\$923,277
Allocated Revenue Requirement	\$8,421,235	\$3,541,102	\$3,843,962	\$1,036,171
Bal / (Def) of Funds	(\$1,001,645)	(\$344,060)	(\$544,691)	(\$112,894)
Required % Change in Rates	13.5%	10.8%	16.5%	12.2%

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Incline Village General Improvement District Wastewater Rate Study Average Unit Costs Exhibit 15

	Total	Residential	Multi-Family	Commercial
Volume - \$ / HCF	\$4.39	\$4.56	\$4.56	\$3.88
BOD - \$ / HCF	1.03	1.08	1.08	0.91
TSS - \$ / HCF	1.03	1.08	1.08	0.91
Total - \$ / HCF	\$6.46	\$6.72	\$6.72	\$5.71
Customer - \$ / Acct.	\$124.31	\$60.91	\$962.12	\$199.40
Total - \$ / Equiv. Unit	\$167.56	\$79.78	\$78.22	\$114.57
Total - \$ / HCF	\$25.04	\$28.39	\$30.35	\$12.20
Current Average Revenues	\$22.06	\$25.63	\$26.05	\$10.87
Customer Data				
Volume	336,339	124,716	126,669	84,955
Customer	4,188	3,699	259	230
Equivalent Units	8,547	3,699	4,095	754

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Incline Village General Improvement District Wastewater Rate Study Rate Structure - Alt 1

	Present	Proposed				
	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Residential						
Base Charge	\$25.10	\$32.25	\$36.50	\$40.00	\$42.25	\$44.25
Capital Improvement	31.45	31.45	31.45	31.45	31.45	31.45
Admin Fee	4.23	4.44	4.66	4.90	5.14	5.40
Multi-Family						
Base Charge	\$25.10	\$32.25	\$36.50	\$40.00	\$42.25	\$44.25
Capital Improvement	31.45	31.45	31.45	31.45	31.45	31.45
Admin Fee	4.23	4.44	4.66	4.90	5.14	5.40
Commercial						
Base Charge						
3/4"	\$25.10	\$32.25	\$36.50	\$40.00	\$42.25	\$44.25
1"	41.92	53.86	60.96	66.80	70.56	73.90
1 1/2"	83.58	107.39	121.55	133.20	140.69	147.35
2"	133.78	171.89	194.55	213.20	225.19	235.85
3"	251.00	322.50	365.00	400.00	422.50	442.50
4"	418.42	537.61	608.46	666.80	704.31	737.65
6"	836.58	1,074.89	1,216.55	1,333.20	1,408.19	1,474.85
8"	1,338.58	1,719.89	1,946.55	2,133.20	2,253.19	2,359.85
10"	1,497.74	1,924.39	2,177.99	2,386.84	2,521.10	2,640.44
Capital Improvement						
3/4"	\$31.45	\$31.45	\$31.45	\$31.45	\$31.45	\$31.45
1"	52.52	52.52	52.52	52.52	52.52	52.52
1 1/2"	104.73	104.73	104.73	104.73	104.73	104.73
2"	167.63	167.63	167.63	167.63	167.63	167.63
3"	314.50	314.50	314.50	314.50	314.50	314.50
4"	524.27	524.27	524.27	524.27	524.27	524.27
6"	1,048.23	1,048.23	1,048.23	1,048.23	1,048.23	1,048.23
8"	1,677.23	1,677.23	1,677.23	1,677.23	1,677.23	1,677.23
10"	2,410.64	2,410.64	2,410.64	2,410.64	2,410.64	2,410.64
Admin Fee	\$4.23	\$4.44	\$4.66	\$4.90	\$5.14	\$5.40
Sewer Use						
Residential	\$4.00	\$4.75	\$5.37	\$5.88	\$6.00	\$6.22
Multi-Family	4.00	4.75	5.37	5.88	6.00	6.22
Commercial	4.70	5.60	6.35	6.95	7.10	7.37

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