# HANSFORD ECONOMIC CONSULTING

Donner Summit Public Utility District

Wastewater Rate Study



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## Section 1: INTRODUCTION AND SUMMARY

#### 1.1 INTRODUCTION TO THE DISTRICT

The Donner Summit Public Utility District (District) is a California special district that provides water and wastewater services to the community of Soda Springs and the larger Donner Summit area, including several ski resorts. The District's service territory comprises approximately 13 square miles encompassing the I-80 corridor and communities of Norden and Soda Springs in the Donner Summit area, with customers located within both Nevada and Placer Counties. The District also provides wastewater treatment services to the Sierra Lakes County Water District (SLCWD) by way of agreement.

The District owns and operates the Wastewater Treatment Plant (WWTP), and as the holder of the NPDES Permit, it is responsible for ensuring water quality compliance is met. After a multi-year planning and construction effort, the WWTP was improved and expanded, and the new plant put into service July 2015.

The District last adopted a five-year schedule of wastewater rate increases in 2011, which were effective January 1, 2012. The last rate increase, pursuant to that rate schedule, was effective July 1, 2015 and rates have remained at this level for the last three years. During the three fiscal years since rates were last increased, the improved WWTP has become fully operational. Now that operations costs with the improved plant are known, and the District has a new amortization schedule for repayment of its State Clean Water State Revolving Fund (CWSRF) loan (which was used to fund the WWTP improvement costs), the District needs to evaluate the adequacy of its wastewater rates and determine if adjustments are necessary to continue to support the operations of the wastewater system.

#### 1.2 PURPOSE OF THE STUDY

Support tables are provided in **Appendix A.** The study determines the level of funding required to adequately operate the wastewater system in a safe manner and provide the residents and businesses of the District wastewater service that meets State and Federal regulatory requirements.

This report provides an explanation and justification of the calculated wastewater rates and charges through fiscal year ending June 30<sup>th</sup>, 2023, and documents adherence to the law regarding the setting of rates by a special district. Specifically, the rates were designed in compliance with California Constitution Article 13D (commonly referred to as Proposition 218), which requires that the rates for wastewater service fees and charges shall not be extended, imposed, or increased by any agency unless they meet all of the following requirements:

(1) Revenues derived from the fee or charge shall not exceed the funds required to provide the property related service.

- (2) Revenues derived from the fee or charge shall not be used for any purpose other than that for which the fee or charge was imposed.
- (3) The amount of a fee or charge imposed upon any parcel or person as an incident of property ownership shall not exceed the proportional cost of the service attributable to the parcel.
- (4) No fee or charge may be imposed for a service unless that service is actually used by, or immediately available to, the owner of the property in question. Fees or charges based on potential or future use of a service are not permitted.
- (5) No fee or charge may be imposed for general governmental services including, but not limited to, police, fire, ambulance or library services, where the service is available to the public at large in substantially the same manner as it is to property owners.

#### 1.3 METHODOLOGY

This report was prepared using the principles established by the Water Environment Federation Manual of Practice No. 27 and guidelines prepared by the California State Water Resources Control Board for State Revolving Fund financing. This Study uses the functional cost allocation methodology to determine rates<sup>1</sup>.

The following four steps outline how wastewater rates are calculated such that the monthly wastewater rates meet California's legal requirements.

- 1. Establish the Wastewater Customer Base and User Characteristics The wastewater customer base includes residential and commercial accounts. Because of the small size of the District and lack of industrial users, it was determined that the rate model would be based on flow only.
- 2. Project Wastewater System Annual Costs and Non-Rate Revenue Annual costs include treatment operations and maintenance (O&M), collection O&M, debt service, capital improvement, and depreciation.
- **3.** Determine Projected Revenue Requirement and Allocate based on Flow Revenue requirement is allocated based on flow only in this model. All EDUs have a peak week average day flow of 417.1 gallons; therefore, allocating the revenue requirement based on number of EDUs or flow equates to the same calculation.
- 4. Determine Revenue Requirement per EDU Per EDU revenue requirement for each projected year is determined by dividing the allocated revenue requirement by the demand (expressed in number of EDUs). Total annual charges are divided by 12 to calculate the monthly charge per unit.

<sup>&</sup>lt;sup>1</sup> Chapter 6, pages 110-120, Financing and Charges for Wastewater Systems, Manual of Practice No. 27.

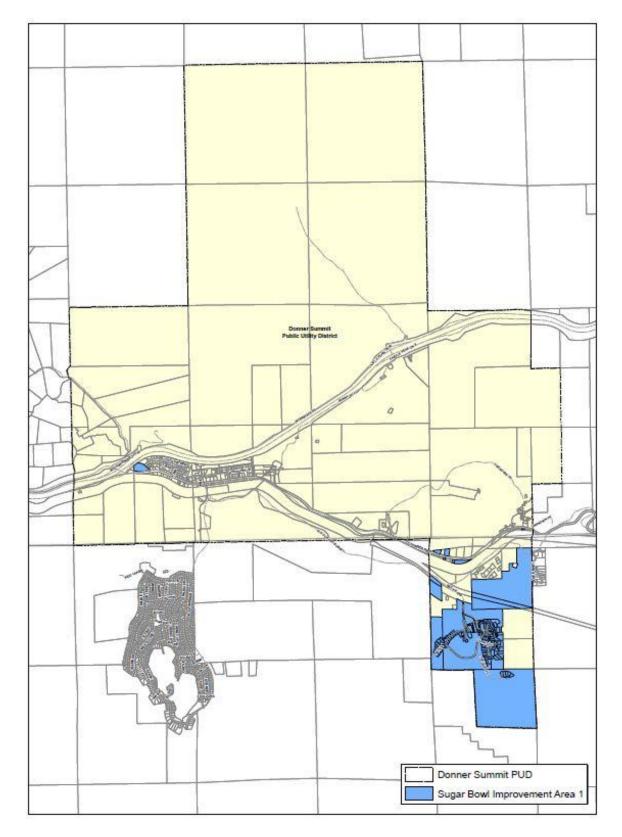
#### 1.4 MAJOR ASSUMPTIONS

Several major assumptions influence the scope of the report and findings herein. They are summarized here:

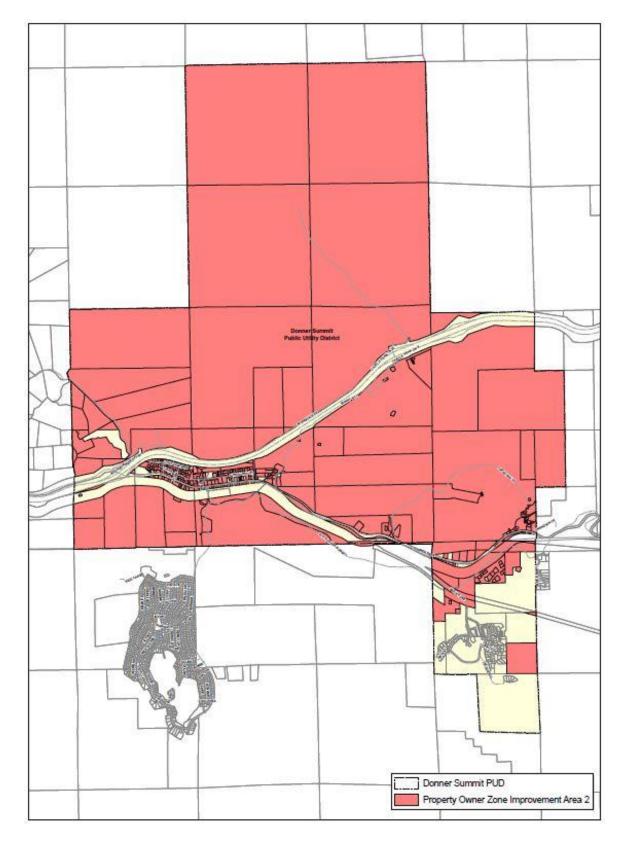
- The District's new debt service repayment schedule is incorporated into rates and charges. In December 2017, the District was successful in a loan renegotiation with the State. The CWSRF loan, which had been used to improve the WWTP, was amended. The interest rate was reduced from 2.20% to 0.75%. This change results in a savings of \$3.5 million to the District over the length of the repayment.
- System rehabilitation costs for the WWTP are incorporated into rates. If the District were to not perform any system rehabilitation but were to continue collecting 20% of annual depreciation on the wastewater system assets, the rates should include approximately \$78,000 each year for that purpose. In the rate study, it is assumed that the District annually spends \$100,000 on lift station replacement and \$25,000 for pipeline replacement and collects \$12,000 each year for a membrane replacement at the WWTP, which is scheduled in fiscal year 2025.
- Sierra Lakes County Water District (SLCWD) continues to pay the District for wastewater services under the terms of their operations and maintenance agreement. The District has an agreement with SLCWD for service that specifies how SLCWD will reimburse the District for routine operating and maintenance expenses each year, how SLCWD will pay the District for its share of rehabilitation of major infrastructure, and how SLCWD will pay for its share of capital project costs.
- District customers are either "Inside CFD No. 1" or "Outside CFD No. 1". The District formed Community Facilities District<sup>2</sup> (CFD) No. 1 and the election was canvassed September 20<sup>th</sup>, 2011. All properties within the District were included in the CFD boundary in three areas. The ballot results approved taxation in areas 1 and 3 of the District, but not area 2. As a result, properties are either Inside the CFD or Outside the CFD with differing rates. Inside CFD No. 1 customers pay for debt service associated with upgrades to the WWTP with special taxes. Outside CFD No. 1, customers pay for the upgraded WWTP debt service with wastewater rates. Maps 1 through 3 on the following pages depict the three CFD areas.
- New growth. It is assumed that there are 9 new connections per year. The additional revenue from the new connections are accounted for in the revenue requirement; however, they are not shown in the projection of EDUs in the fee calculation tables because the District does not know whether these EDUs will be located Inside CFD No. 1 or Outside FCD No. 1.

<sup>&</sup>lt;sup>2</sup> The Mello-Roos Act of 1982 allows any county, city, special district, school district or joint powers authority to establish a Mello-Roos Community Facilities District (CFD) which allows for financing of public improvements and services.

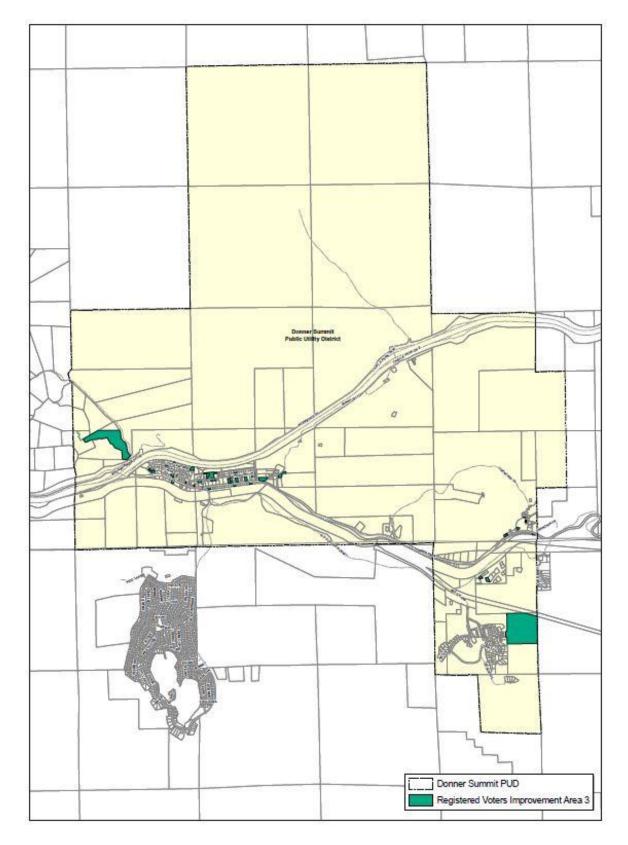
Map 1 Area No. 1 - <u>Inside</u> CFD No. 1 Parcels (Shaded)



Map 2 Area No. 2 - <u>Outside</u> CFD No. 1 Parcels (Shaded)



Map 3 Area No. 3 - <u>Inside</u> CFD No. 1 Parcels (Shaded)



## SECTION 2: SUMMARY OF FINDINGS

#### 2.1 SUMMARY OF CALCULATED RATES, CHARGES AND SPECIAL TAXES

#### **User Definitions**

The following definitions are used to describe the types of customers that pay wastewater rates. An EDU refers to an 'equivalent dwelling unit'. One EDU is the typical wastewater characteristic of one residence.

**Existing EDUs** means EDUs that are currently connected to the WWTP. These customers pay full rates.

**Future EDUs** means EDUs that have been purchased by property owners in order to connect to the WWTP in the future and for which there is capacity in the WWTP. Future customers pay reduced rates to cover their share of debt service and a portion of operations and maintenance expenses.

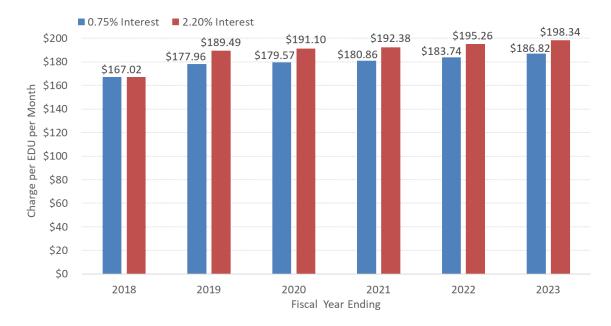
Calculated wastewater rates through June 2023 (the next five fiscal years) are shown below in **Table 1**. Wastewater rates are calculated on a per EDU basis for Inside CFD No. 1 customers and Outside CFD No. 1 customers. Note that CalTrans paid its share of debt service for the WWTP in one lump sum in fiscal year ending 2013; therefore, CalTrans wastewater rates are lower than for other existing customers.

	Current		Ca	lculated Rate	es	
Rates by Customer	2018	2019	2020	2021	2022	2023
	Effective Date	7/1/2018	7/1/2019	7/1/2020	7/1/2021	7/1/2022
Existing Customers			Monthly C	harge (Rates	;) per EDU	
Inside CFD No. 1	\$117.58	\$128.55	\$130.16	\$131.44	\$134.33	\$137.40
Outside CFD No. 1	\$167.02	\$177.96	\$179.57	\$180.86	\$183.74	\$186.82
CalTrans	\$117.58	\$117.69	\$119.30	\$120.59	\$123.47	\$126.55
Future Customers						
Inside CFD No. 1	\$49.13	\$67.99	\$68.77	\$69.39	\$70.79	\$72.29
Outside CFD No. 1	\$98.58	\$117.40	\$118.18	\$118.81	\$120.21	\$121.70
			Speci	ial Taxes per	EDU	
Inside CFD No. 1 - All ED	)Us \$49.42	\$49.42	\$49.42	\$49.42	\$49.42	\$49.42

#### Table 1 Calculated Wastewater Bates

Source: HEC.

The wastewater rate increases are less than they would have been if the District had not renegotiated its debt service with the State. **Figure 1** shows the difference in rates over the next five years under the old and the new loan terms.



#### Figure 1 Comparison of Charges under Old and New State CWSRF Loan Terms

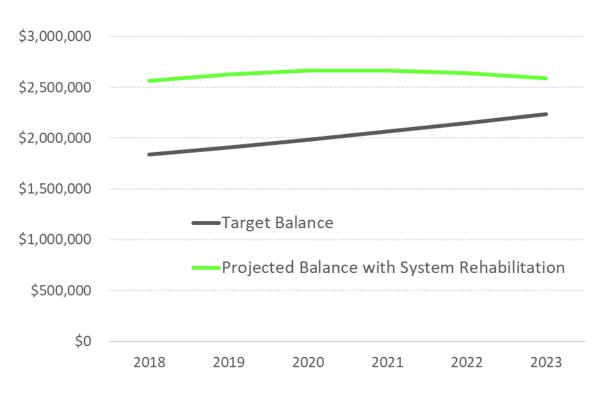
#### 2.2 PROJECTED NET REVENUES AND CASH BALANCES

After accounting for one year of debt service, which is to be restricted per the terms of the CWSRF loan with the State, it is projected that the wastewater fund will have a cash balance of approximately \$2.5 million at the end of fiscal year 2018. The projection of the wastewater fund's cash balance over the next five years, as well as a target cash balance, is shown in **Figure 2**. The target cash balance is one year of operating expenses, and it is based on industry practices.

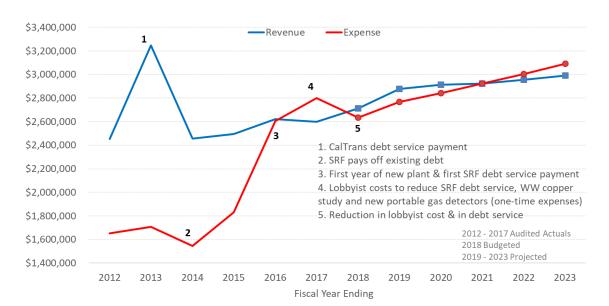
As is shown in **Figure 2**, the cash balance is estimated to decrease. The decreasing cash balance assumes system rehabilitation of approximately \$137,000 each year; to minimize the impact of improvement costs on ratepayers, \$75,000 of cash reserves is projected to be used in fiscal years 2022 and 2023.

Historical and projected revenues and expenses are shown in **Figure 3.** The use of cash reserves is illustrated in fiscal years 2022 and 2023. Revenues are projected to be higher than expenses in the first three fiscal years to meet debt service coverage requirements. The District is not currently meeting the 1.10 debt service coverage requirement of its loan agreement with the State. Key drivers of changes to revenues and expenses are noted in the figure.

#### Figure 2 Projected Ending Cash Balances







#### 2.3 IMPACT TO RESIDENTIAL WASTEWATER CUSTOMERS

As demonstrated in **Table 2**, customer costs will increase from \$167.00 per month per EDU to \$177.96 per month per EDU for all existing customers in July 2018, and continue to increase each year thereafter.

wastewater service costs per	Restactitian	customer				
Effective Date	Current	7/1/2018	7/1/2019	7/1/2020	7/1/2021	7/1/2022
Existing Residential Customers						
Monthly Sewer Rate	\$117.58	\$128.55	\$130.16	\$131.44	\$134.33	\$137.40
CFD No. 1 Special Tax [1]	\$49.42	\$49.42	\$49.42	\$49.42	\$49.42	\$49.42
Estimated Total Monthly Cost	\$167.00	\$177.96	\$179.57	\$180.86	\$183.74	\$186.82
Percentage Change		6.6%	0.9%	0.7%	1.6%	1.7%

### Table 2

Wastewater Service Costs per Residential Customer

Source: HEC.

[1] Special tax only applies to properties inside CFD No. 1; all other properties pay the same amount, but through rates.

## SECTION 3: WASTEWATER FUND FINANCIAL PROJECTION

#### 3.1 CUSTOMER BASE AND EXISTING RATES

The District's customer base includes residential users, several ski resorts, the CalTrans rest stops along I-80, and various other commercial activity. The District does not have any industrial users. Currently, the District serves 879.9 existing and 205.5 future wastewater EDUs, plus wastewater flow from SLCWD. **Table 3** below shows the number of EDUs that are inside and outside of CFD No. 1. The District anticipates that about 9 new EDUs will connect to the wastewater system each year over the next 5 years.

EDU Type	2018
Inside CFD No. 1	
Existing	349.0
Caltrans Existing	91.0
Future	139.4
Total Inside CFD No. 1 EDUs	579.4
Outside CFD No. 1	
Existing	439.9
Future	66.1
Total Outside CFD No. 1 EDUs	506.0
Total Rate-payers	
Existing	879.9
Future	205.5
Total Rate-paying EDUs	1,085.4

 Table 3

 Total Number of DSPUD Wastewater EDUs

Source: DSPUD March 2018.

As the District serves a small community with no industrial users, it has a simplified rate structure based on flow per equivalent dwelling unit (EDU). One EDU is estimated to have a flow just over 417 gallons per day. Each Existing EDU (the EDU holder/customer is connected and sends wastewater flow to the WWTP) is currently charged a flat fee of \$167.02 per month if they are outside CFD No. 1, and \$117.58 if they are inside CFD No. 1. Customers inside CFD No. 1 also pay a special tax of \$49.42 per month; in total all existing customers pay the same amount per EDU each month. Future customers pay 100% of debt service and a portion of operation and maintenance costs. Customers are billed each quarter.

#### 3.2 HISTORICAL OPERATING COSTS AND REVENUES

Detailed historical budgeted operating costs for the wastewater collection system and WWTP, and actual costs since 2012, are provided in **Appendix A Tables A-1** and **A-2**.

Between 2012 and 2017, operating expenses increased at an average of 4.3% per year with the exclusion of costs for utilities, communications, professional services, and other. These costs were excluded from the calculation because they increased at a higher rate due to one-time expenses that are not anticipated to continue in the future. For example, professional services included retention of a lobbyist to reduce the debt with the State; other costs included costs for a wastewater copper study and new portable gas detectors.

The District's average annual percentage increase in costs is about one percent greater than the construction cost and consumer price indices, also shown in **Appendix Table A-2**.

#### 3.3 PROJECTED WASTEWATER SYSTEM EXPENSES AND REVENUES

The calculated rates are based on a projection of annual wastewater costs and revenues for operations and maintenance and capital costs of wastewater operations. The projection of costs by year uses 2018 as the base year. Base year 2018 financials and assumptions for projecting each expense and revenue category through 2023 are shown in **Table 4** on the following page.

All operating expenses are projected by applying an average annual increase of 4.0%. Non-rate revenue, which includes property tax and SLCWD charges, are projected independently. Property tax is estimated to increase 2.0% per year, which is the maximum increase on existing properties, assuming they do not change ownership. SLCWD charges are collected according to the agreement for service between the District and SLCWD. As shown in **Table 5**, SLCWD pays the District for approximately 39% of operating expenses; the actual share of costs fluctuates from year to year. SLCWD also pays a 14% charge for administration costs. **Appendix Table A-3** shows detail of the projected costs paid by SLCWD.

**Appendix Table A-4** shows the projection of administration revenues and costs, which are added to operating costs.

#### System Rehabilitation Costs

The District has been collecting for 20% of its depreciation costs in its rates since 2012; it is one of the primary reasons why the District has increased its cash reserves. Because the WWTP is so new, the District has not yet had to spend much on system rehabilitation. Other portions of the wastewater system do require maintenance, in particular lift stations and collection pipes. In addition, the membranes at the WWTP are scheduled to be replaced in 2025.

The District's current wastewater system assets and annual depreciation are demonstrated in **Appendix Table A-5**. At 20% of total depreciation the District would include \$78,173 each

year (see Appendix Table A-6) in the rates. The rate study includes the cost of estimated lift station, pipe replacement, and membrane replacement in lieu of collecting \$78,173 each year.

Revenues and	2018	2018 Wastew	ater Budget	Total	Projection
Expenses	Budget	Operations	Admin	2018	Assumptions
Revenues					
Sewer Service Charges	\$1,364,515	na	na	na	Determined by revenue requirement
Sierra Lakes CWD charges	\$459,546	na	na	na	Share of op. expense plus 14% admin.
Non-Operating Revenue			[1]		
Property tax	\$99,450	\$99,450	\$0	\$99,450	2018 budget, increase by 2% per year
Other	\$11,310	\$0	\$11,310	\$11,310	2018 budget, hold constant
Interest	\$0	\$0	\$0	\$0	None anticipated
Connection fees	\$0	\$0	\$0	\$0	Applied to applicant share of total cost
Operating Expense					
Salaries	\$686,454	\$419,046	\$267,408	\$686,454	Inflated by 4.0% per year
Employee Benefits	\$235,436	\$168,621	\$66,815	\$235,436	Inflated by 4.0% per year
Board Expense	\$37,658	\$20,973	\$16,686	\$37,658	Inflated by 4.0% per year
Professional fees	\$111,358	\$43,108	\$68,250	\$111,358	Inflated by 4.0% per year
Dues and Subscriptions	\$4,906	\$697	\$4,209	\$4,906	Inflated by 4.0% per year
Fees, permits, certifications, leases	\$33,587	\$20,745	\$12,843	\$33,587	Inflated by 4.0% per year
Training, education, travel	\$5,243	\$2,903	\$2,340	\$5,243	Inflated by 4.0% per year
Insurance	\$56,794	\$67,500	\$7,500	\$75,000	Inflated by 4.0% per year
Office supplies	\$2,927	\$1,336	\$1,591	\$2,927	Inflated by 4.0% per year
Utilities, communications	\$298,048	\$276,115	\$21,933	\$298,048	Inflated by 4.0% per year
Chemicals and lab supplies	\$122,700	\$122,700	\$0	\$122,700	Inflated by 4.0% per year
Lab testing	\$50,000	\$50,000	\$0	\$50,000	Inflated by 4.0% per year
Equipment maintenance / repair	\$65,700	\$60,786	\$4,914	\$65,700	Inflated by 4.0% per year
Small equipment and rental	\$6,168	\$6,168	\$0	\$6,168	Inflated by 4.0% per year
Operating supplies	\$4,750	\$4,750	\$0	\$4,750	Inflated by 4.0% per year
Infiltration - Inflow	\$25,000	\$25,000	\$0	\$25,000	Inflated by 4.0% per year
Sludge removal	\$14,000	\$14,000	\$0	\$14,000	Inflated by 4.0% per year
Fleet maintenance	\$40,999	\$40,999	\$0	\$40,999	Inflated by 4.0% per year
Facilities maintenance	\$37,471	\$31,902	\$5,569	\$37,471	Inflated by 4.0% per year
Non-Operating Expense					
Land leases [2]	\$20,250	\$20,250	\$0	\$20,250	Held constant

#### Table 4

### Devenues and Evnences Duciestions Assumptions

Source: HEC.

[1] Non-operating revenue allocated to sewer operations.

[2] Spray irrigation lease amortization under wastewater operations, administration lease costs allocated to wastewater operations.

#### Table 5

#### **Operating Expenses Allocation Between DSPUD and SLCWD**

Entity			Fiscal Ye	ear Ending			Total /
	2012	2013	2014	2015	2016	2017	Average
DSPUD	\$487,314	\$485,227	\$488,153	\$544,395	\$579,298	\$630,313	\$3,214,700
SLCWD	\$278,802	\$277,608	\$289,947	\$353,707	\$403,067	\$426,637	\$2,029,768
Total	\$766,116	\$762,835	\$778,100	\$898,102	\$982,365	\$1,056,950	\$5,244,468
SLCWD as a % of Total	36.4%	36.4%	37.3%	39.4%	41.0%	40.4%	38.7%

Source: DSPUD audited financials.

#### **Debt Service**

The annual debt service due to the State is \$719,191 per year, as shown in **Appendix Table A-7.** 

#### 3.4 REVENUE REQUIREMENT

**Table 6** on the following page provides the projection of annual costs and revenues and the resulting revenue requirement (amount of revenues generated through wastewater charges) through June 30, 2023. Total revenue requirement is projected to increase from a 2018 base of \$2.16 million to \$2.22 million by fiscal year ending 2023. Excluding debt service, which is allocated to customers differently based on the location of their property inside or outside of CFD No. 1 and having Future EDUs pay 100% of debt service, the total amount to be raised through rates increases from \$1.44 million in 2018 to \$1.50 million in fiscal year 2023.

ltem	Annual	Source /	Base	Year 1	Vear 7	C see		
	Increase	Other	2018	2019	2020	2021	Year 4 <b>2022</b>	Year 5 <b>2023</b>
Operating Expenses								
Salaries	4.0%	Table A-3	\$419,046	\$435,800	\$453,200	\$471,300	\$490,200	\$509,800
Benefits	4.0%	Table A-3	\$168,621	\$175,400	\$182,400	\$189,700	\$197,300	\$205,200
Professional Services	4.0%	Table A-3	\$43,108	\$44,800	\$46,600	\$48,500	\$50,400	\$52,400
Fleet, Equipment, Facilities Replacement & Ref 4.0%	& Rej 4.0%	Table A-3	\$133,687	\$139,000	\$144,600	\$150,400	\$156,400	\$162,700
Operating supplies	4.0%	Table A-3	\$4,750	\$4,900	\$5,100	\$5,300	\$5,500	\$5, 700
Insurance	4.0%	Table A-3	\$67,500	\$70,200	\$73,000	\$75,900	\$78,900	\$82,100
Utilities. communications	4.0%	Table A-3	\$276,115	\$287,200	\$298,700	\$310,600	\$323,000	\$335,900
Chemicals. lab supplies	4.0%	Table A-3	\$122.700	\$127,600	\$132,700	\$138,000	\$143,500	\$149,200
	%0 V	Table A-3	\$50 000	\$57 000	\$54 100	\$56 300	558 600	
Lab testing Inflow / Infiltration and cluden romoval	4.0%	Table A-3		202,000 200 600	00T (40¢		516,000 615 700	547 E00
0+har	4.0%	Table A-3	521 810	533 100	544,200 521 100	545,200 525 800	527 200	528 700
Administration Department Costs Allocated		Table A-A		5/100 260	510,230	5530 000	5561 500	5581 063
Total Operating Expenses	B		\$1,836,433	\$1,909,860	\$1,986,230	\$2,065,699	\$2,148,299	\$2,234,163
De bt Service								
SRF Loan for Project C-06-7670-210	q	Table A-7	\$719,191	\$719,191	\$719,191	\$719,191	\$719,191	\$719, 191
Subtotal Debt Service	U		\$719,191	\$719,191	\$719,191	\$719,191	\$719,191	\$719, 191
System Rehabilitation								
Lift Station Rehabilitation [2]			\$0	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
Pipeline Replacement [3]			Ş	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000
Membrane at WWTP			\$0	\$12,000	\$12,000	\$12,000	\$12,000	\$12,000
Subtotal Rehabilitation			5	\$137,000	\$137,000	\$137,000	\$137,000	\$137 000
General Rehabilitation	q	Table A-6	\$78.173	\$0	\$0	\$0	\$0	So So
Subtotal System Rehabilitation	Ð		\$78,173	\$137,000	\$137,000	\$137,000	\$137,000	\$137,000
Change in Reserves	f		\$0	\$56,000	\$35,000	\$0	(\$25,000)	(\$50,000)
Non Onomian Condita (Evanance)								
Indir-Operating Creatics (Expenses)	constant	Table 4	(\$20.250)	(\$20.250)	(\$20.250)	(\$20.250)	(\$20.250)	(\$20.250)
on Department Revenues Allo	ocated	Table A-4	\$11,310	\$11,310	\$11,310	\$11,310	\$11,310	\$11,310
Property tax	2.0%	[1]	\$99,450	\$101,400	\$103,400	\$105,500	\$107,600	\$109,800
Connection fees [4]			\$0	\$82,962	\$91,107	\$91,107	\$91,107	\$91,107
Estimate of New Customer Rates [4]			Ş	\$14,040	\$14,040	\$14,040	\$14,040	\$14,040
Total Non-operating Credits (expenses)	g		\$90,510	\$189,462	\$199,607	\$201,707	\$203,807	\$206,007
Sierra Lakes CWD								
Operating Expenses		Table A-3	\$459,546	\$501,097	\$520,783	\$541,257	\$562,550	\$584, 695
System Rehabilitation [5]		Table A-6	\$0	\$28,805	\$28,805	\$28,805	\$28,805	\$28,805
Total Sierra Lakes CWD Revenue	4		\$459,546	\$529,902	\$549,588	\$570,062	\$591,355	\$613,500
Total Revenue Requirement	<i>j=</i>	a+c+d+e-f-g+h	\$2,161,915	\$2,102,687	\$2,128,226	\$2,150,121	\$2,184,328	\$2,220,848
Revenue Requirement All Customers	k =	j - b	\$1,442,724	\$1,383,496	\$1,409,035	\$1,430,930	\$1,465,137	\$1,501,656

#### Table 6 **Projected Revenue Requirement**

[2] Lift station rehabilitation estimated at approximately \$650,000 per station (some will be much more, and some less) with a lifespan of 50 years. There are 8 lift stations.
[3] Estimate by DSPUD staff.
[4] Estimate based on 9 new EDUs per year.
[5] Sierra Lakes CWD will not pay in these increments. Sierra Lakes CWD will pay for their share (about 38.7%) of capital improvements needed for wastewater plant and disposal facilities.

## Section 4: WASTEWATER RATES ANALYSIS

#### 4.1 CALCULATED WASTEWATER RATES

**Table 7** presents the calculated rates per EDU for all customers (Inside and Outside CFD No.1) excluding debt service. By fiscal year 2023 existing customer rates are projected toincrease to \$126.55 per month, and future customer rates are projected to increase to\$61.43 per month.

Historically, the District has charged Future EDUs at 41% of the rate of Existing EDUs. This percentage was fixed a long time ago and there are no records currently documenting how this weighting was determined. HEC conducted an analysis of a new weighting, which is shown in footnote [1] of **Table 7** below. The new analysis calculates a weighting of 49%. The new weighting is used in the rate calculations for this rate study.

	Fiscal Year Ending					
Cost		2019	2020	2021	2022	2023
Revenue Requirement (no debt ser	vice)	\$1,383,496	\$1,409,035	\$1,430,930	\$1,465,137	\$1,501,656
Rate-payers						
Existing EDUs		879.85	888.85	897.85	897.85	897.85
Future EDUs		205.50	196.50	187.50	187.50	187.50
Future EDUs weighted [1]	49%	99.75	95.39	91.02	91.02	91.02
Total Existing plus Weighted Futu	ire EDUs	979.60	984.24	988.87	988.87	988.87
Projected Cost per Existing EDU		\$1,412	\$1,432	\$1,447	\$1,482	\$1,519
Monthly Service Charge per Existi	ng EDU	\$117.69	\$119.30	\$120.59	\$123.47	\$126.55
Projected Cost per Future EDU		\$686	\$695	\$702	\$719	\$737
Monthly Service Charge per Futur	e EDU	<i>\$57.13</i>	\$57.91	\$58.54	<i>\$59.9</i> 4	\$61.43

#### Table 7 Calculated Monthly Rates per EDU (All Customers) – Excludes Debt Service

Source: HEC

[1] Calculation of weighting as follows: future EDUs pay for fixed costs of running the system as itemized below

for 2018 and the next 5 fiscal years, and receive a credit for administration revenue, property tax, and connection fees.

,, _,, _	
Wastewater Administration Costs	\$3,184,210
Insurance	\$447,600
Fleet, Equipment (minor capital repair)	\$886,787
System Rehabilitation	\$763,173
Administration Rev. & Property Tax	(\$1,091,100)
Total Costs to be Share with Future EDUs	\$4,190,670
Total Revenue Requirement	\$8,632,978
Percentage Cost Share for Future EDU	49%

Additional rates to cover debt service are calculated in **Tables 8** through **Table 10**.

Calculation	2019	2020	2021	2022	2023
Number of EDUs					
Inside CFD No. 1	488.40	488.40	488.40	488.40	488.40
Outside CFD No. 1	505.95	505.95	505.95	505.95	505.95
CalTrans [1]	91.00	91.00	91.00	91.00	91.00
Total Number of EDUs	1,085.35	1,085.35	1,085.35	1,085.35	1,085.35
Annual CWSRF Debt Service for Project	\$719,191	\$719,191	\$719,191	\$719,191	\$719,191
Inside CFD No. 1	\$353 <i>,</i> 249	\$353,249	\$353,249	\$353,249	\$353,249
Outside CFD No. 1	\$365,942	\$365,942	\$365,942	\$365,942	\$365,942

Allocation of Debt Service between Inside CFD No. 1 and Outside CFD No. 1 Customer				
	Allocation of Debt Service bet	ween Inside CFD No.	1 and Outside CFD No.	1 Customers

Source: DSPUD and HEC.

Table 8

[1] CalTrans has already contributed its share of the SRF debt service with the exception of change order costs.

The maximum special tax paid by Inside CFD No. 1 customers does not entirely cover their portion of debt service; it covers about 82% of their share of total debt service. Approximately \$63,600 each year must be collected through rates. In **Table 9**, the amount of debt service to be collected from Inside CFD No. 1 customers through rates, is calculated. Divided amongst all Inside CFD No. 1 EDUs this equates to \$10.86 per EDU per month. **Table 10** shows the Inside CFD No. 1 and Outside CFD No. 1 debt service to be paid through rates. Outside CFD No. 1 EDUs each pay \$60.27 in rates for their share of debt service.

#### **Fiscal Year Ending** 2019 2020 2021 2022 Item 2023 Taxable EDUs 488.4 488.4 488.4 488.4 488.4 Annual Maximum Special Tax per EDU \$593 \$593 \$593 \$593 \$593 **Total Maximum Special Taxes** \$289,621 \$289,621 \$289,621 \$289,621 \$289,621 \$353,249 Inside CFD No.1 Debt Service \$353,249 \$353,249 \$353,249 \$353,249 Special Tax Revenue as a % of Debt Share 82% 82% 82% 82% 82% Revenue CFD No. 1 Special Tax Revenue \$289,621 \$289,621 \$289,621 \$289,621 \$289,621 Outside CFD No. 1 Rate Revenue \$365,942 \$365,942 \$365,942 \$365,942 \$365,942 **Special Taxes and Outside CFD Rates for Project** \$655,563 \$655,563 \$655,563 \$655,563 \$655,563 Inside CFD No. 1 Debt Service paid by Rates \$63,628 \$63,628 \$63,628 \$63,628 \$63,628 **Total Revenues for Project Debt Service** \$719,191 \$719,191 \$719,191 \$719,191 \$719,191 Source: HEC.

#### Table 9 Calculation of Inside CFD No. 1 Customers Debt Paid through Rates

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				Projected		
Calculation		2019	2020	2021	2022	2023
Inside CFD No. 1		Inside	CFD No. 1 Ad	dditional Rat	es for Projec	t Debt
Net Debt Service Share		\$353,249	\$353,249	\$353 <i>,</i> 249	\$353 <i>,</i> 249	\$353 <i>,</i> 249
Maximum Special Tax Revenue		\$289,621	\$289,621	\$289,621	\$289 <i>,</i> 621	\$289,621
Debt Service Paid with Rates		\$63,628	\$63,628	\$63,628	\$63,628	\$63,628
Rate-paying EDUs						
Existing		358.00	367.00	367.00	367.00	367.00
Future		130.40	121.40	121.40	121.40	121.40
Rate-paying EDUs weighted [1]	100%	488.40	488.40	488.40	488.40	488.40
Annual Cost per Existing EDU		\$130.28	\$130.28	\$130.28	\$130.28	\$130.28
Annual Cost per Future EDU		\$130.28	\$130.28	\$130.28	\$130.28	\$130.28
Monthly Charge per EDU for Debt S	Service	\$10.86	\$10.86	\$10.86	\$10.86	\$10.86
Outside CFD No. 1		Outside	e CFD No. 1 A	dditional Ra	tes for Proje	ct Debt
Debt Service Share		\$365,942	\$365,942	\$365,942	\$365,942	\$365,942
Rate-paying EDUs						
Existing		439.85	439.85	439.85	439.85	439.85
Future		66.10	66.10	66.10	66.10	66.10
Rate-paying EDUs weighted [1]	100%	505.95	505.95	505.95	505.95	505.95
Annual Cost per Existing EDU		\$723.28	\$723.28	\$723.28	\$723.28	\$723.28
Annual Cost per Future EDU		\$723.28	\$723.28	\$723.28	\$723.28	\$723.28
Monthly Charge per EDU		\$60.27	\$60.27	\$60.27	\$60.27	\$60.27

# Table 10Additional Monthly Rates per EDU for CWSRF Debt Service

Source: SWRCB, DSPUD, and HEC.

[1] Future EDUs pay the same as existing EDUs for SRF debt service.

#### 4.2 PROJECTED CASH FLOW AND DEBT SERVICE COVERAGE

The projected annual cash flow for the District is shown in **Table 11** on the following page. The target cash balance is one year of operating expenses, and it is based on industry practices.

The cash flow shows debt service coverage increasing from 0.93 to 1.28 next fiscal year and then decreasing to 1.12 by fiscal year ending 2023. The District must maintain at least 1.10 debt service coverage per its loan agreement with the State. It is best practice to maintain at least 1.25 debt service coverage. Most other lending agencies require a minimum 1.20 debt service coverage.

Revenues and	Budget			Fiscal Year		
Expenses	2018	2019	2020	2021	2022	2023
Revenues						
CFD No. 1 Special Taxes	\$289,621	\$289,621	\$289,621	\$289,621	\$289,621	<b>\$289,621</b>
Sewer Service Charges	\$1,662,766	\$1,819,606	\$1,845,235	\$1,860,500	\$1,894,707	\$1,931,226
Sierra Lakes CWD	\$459,546	\$529,902	\$549,588	\$570,062	\$591,355	\$613,500
Total Charges	\$2,411,933	\$2,639,129	\$2,684,444	<b>\$2,720,183</b>	\$2,775,683	\$2,834,347
Non-Operating Revenues	\$90,510	\$189,462	\$199,607	\$201,707	\$203,807	\$206,007
Total Revenues	\$2,502,443	\$2,828,591	\$2,884,051	\$2,921,890	\$2,979,490	\$3,040,354
Total Expenses	\$1,836,433	\$1,909,860	\$1,986,230	\$2,065,699	\$2,148,299	\$2,234,163
Net Revenues before Debt Service and System Rehab.	\$666,010	\$918,732	\$897,821	\$856,191	\$831,191	\$806,191
Debt Service Debt Service Coverage	\$719,191 0. <i>9</i> 3	\$719,191 1.28	\$719,191 1.25	\$719,191 1.19	\$719,191 1.16	\$719,191 1.12
Net Revenues	(\$53,181)	\$199,541	\$178,630	\$137,000	\$112,000	\$87,000
Beginning Fund Balance [1] Net Revenues System Rehabilitation Ending Fund Balance	\$3,412,023 (\$53,181) (\$78,173) \$3,280,668	\$3,280,668 \$199,541 (\$137,000) \$3,343,209	<b>\$3,343,209</b> \$178,630 (\$137,000) <b>\$3,384,839</b>	\$3,384,839 \$137,000 (\$137,000) \$3,384,839	\$3,384,839 \$112,000 (\$137,000) \$3,359,839	\$3,359,839 \$87,000 (\$137,000) \$3,309,839
Designated Undesignated Fund Balance	\$719,191 <b>\$2,561,477</b>	\$719,191 <b>\$2,624,018</b>	\$719,191 <b>\$2,665,648</b>	\$719,191 <b>\$2,665,648</b>	\$719,191 <b>\$2,640,648</b>	\$719,191 <b>\$2,590,648</b>
Target Undesignated Cash Reserves [2]	\$1,836,433	\$1,909,860	\$1,986,230	\$2,065,699	\$2,148,299	\$2,234,163
Source: HEC and DSPUD. [1] Cash balance as of July 1, 2017, as provided by DSPUD staff March 9, 2018. [2] One year of operating expenses.	March 9, 2018.					

Table 11Projected Wastewater Operations Cash Flow

# **APPENDIX A**

# **SUPPORTING TABLES**

### TABLE

- A-1 Historical Fiscal Year Wastewater Operating Budget Excluding Operating Revenues
- A-2 Comparison of Historical Operating Expenses to Standard Indices
- A-3 Projection of Wastewater Operating Costs and SLCWD's Share of Treatment Plant Operating Costs
- A-4 Projection of the Wastewater Fund's Administration Revenues and Expenses
- A-5 Estimated Annual Depreciation of Existing Facilities
- A-6 Summary of Estimated System Rehabilitation Funding Needs
- A-7 SRF Loan Repayment Schedule for Project C-06-7670-210

#### Table A-1 Donner Summit PUD 2018 Wastewater Rate Study Historical Fiscal Year Wastewater Operating Budget

Excluding Operating Revenues

Revenues and		201	2			20:	13			20	)14			20	15	
Expenses	Collection	Plant	Admin	Total	Collection	Plant	Admin	Total	Collection	Plant	Admin	Total	Collection	Plant	Admin	Total
Non-Operating Revenue			78%				78%				78%				78%	
Property tax	\$24,883	\$109,618	\$0	\$134,501	\$20,931	\$92,211	\$0	\$113,142	\$17,027	\$75,013	\$0	\$92,040	\$17,072	\$75,013	\$0	\$92,085
GO Bond revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Late charges and other	\$0	\$0	\$7,176	\$7,176	\$0	\$0	\$7,176	\$7,176	\$0	\$0	\$6,240	\$6,240	\$0	\$0	\$6,240	\$6,240
Station 97 Utilities	\$0	\$0	\$5,850	\$5,850	\$0	\$0	\$5,850	\$5,850	\$0	\$0	\$5,070	\$5,070	\$0	\$0	\$5,070	\$5,070
Connection fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenues	\$24,883	\$109,618	\$13,026	\$147,527	\$20,931	\$92,211	\$13,026	\$126,168	\$17,027	\$75,013	\$11,310	\$103,350	\$17,072	\$75,013	\$11,310	\$103,395
EXPENSES																
Operating Expense																
Salaries	\$69,976	\$225,058	\$235,143	\$530,178	\$68,167	\$219,240	\$242,198	\$529,605	\$70,927	\$228,116	\$247,886.34	\$546,929	\$79,161	\$254,598	\$260,887	\$594,646
Employee Benefits	\$27,781	\$89,351	\$46,595	\$163,727	\$26,274	\$84,502	\$51,096	\$161,872	\$32,666	\$105,060	\$57,833.10	\$195,559	\$36,576	\$117,637	\$63,481	\$217,694
Board Expense	\$0	\$0	\$15,189	\$15,189	\$0	\$0	\$15,492	\$15,492	\$0	\$0	\$16,685.76	\$16,686	\$0	\$0	\$16,686	\$16,686
Professional fees	\$2,000	\$10,000	\$58,500	\$70,500	\$2,040	\$10,200	\$58,500	\$70,740	\$2,040	\$10,200	\$62,400.00	\$74,640	\$2,040	\$10,200	\$62,400	\$74,640
Dues and Subscriptions	\$0	\$660	\$3,346	\$4,006	\$0	\$673	\$3,413	\$4,086	\$0	\$673	\$4,208.88	\$4,882	\$0	\$673	\$1,869	\$2,542
Fees, permits, certifications, leases	\$3,000	\$18,771	\$14,478	\$36,249	\$3,060	\$19,147	\$14,767	\$36,974	\$3,060	\$16,127	\$12,842.70	\$32,030	\$3,060	\$16,127	\$12,843	\$32,030
Training, education, travel	\$250	\$2,500	\$0	\$2,750	\$255	\$2,550	\$0	\$2,805	\$255	\$2,550	\$2,340.00	\$5,145	\$255	\$2,550	\$2,340	\$5,145
Insurance	\$12,000	\$30,000	\$4,680	\$46,680	\$12,240	\$30,600	\$4,774	\$47,614	\$12,240	\$30,600	\$4,773.60	\$47,614	\$12,240	\$30,600	\$4,774	\$47,614
Office supplies	\$500	\$750	\$1,560	\$2,810	\$510	\$765	\$1,591	\$2,866	\$510	\$765	\$1,591.20	\$2,866	\$510	\$765	\$1,591	\$2,866
Utilities, communications	\$23,500	\$138,000	\$19,344	\$180,844	\$24,205	\$142,140	\$19,924	\$186,269	\$24,205	\$142,140	\$19,924.32	\$186,269	\$24,205	\$188,490	\$19,924	\$232,619
Chemicals and lab supplies	\$500	\$119,156	\$0	\$119,656	\$500	\$119,156	\$0	\$119,656	\$500	\$119,156	\$0.00	\$119,656	\$500	\$119,156	\$0	\$119,656
Lab testing	\$9,000	\$89,330	\$0	\$98,330	\$0	\$91,117	\$0	\$91,117	\$0	\$91,117	\$0.00	\$91,117	\$0	\$91,117	\$0	\$91,117
Equipment maintenance / repair	\$200	\$17,000	\$780	\$17,980	\$9,180	\$17,340	\$796	\$27,316	\$9,180	\$17,340	\$795.60	\$27,316	\$9,180	\$22,440	\$796	\$32,416
Small equipment and rental	\$0	\$1,500	\$0	\$1,500	\$204	\$1,530	\$0	\$1,734	\$204	\$1,530	\$0.00	\$1,734	\$1,125	\$4,475	\$0	\$5,600
Operating supplies	\$2,000	\$2,500	\$0	\$4,500	\$2,040	\$2,550	\$0	\$4,590	\$2,040	\$2,550	\$0.00	\$4,590	\$2,040	\$2,550	\$0	\$4,590
Infiltration - Inflow	\$15,000	\$0	\$0	\$15,000	\$15,000	\$0	\$0	\$15,000	\$25,000	\$0	\$0.00	\$25,000	\$25,000	\$0	\$0	\$25,000
Sludge removal	\$2,000	\$5,000	\$0	\$7,000	\$2,000	\$5,000	\$0	\$7,000	\$2,000	\$5,000	\$0.00	\$7,000	\$2,000	\$5,000	\$0	\$7,000
Fleet maintenance	\$3,451	\$33,125	\$0	\$36,576	\$3,520	\$33,788	\$0	\$37,308	\$3,520	\$33,788	\$0.00	\$37,308	\$3,520	\$33,788	\$0	\$37,308
Facilities maintenance	\$17,000	\$8,000	\$5,460	\$30,460	\$17,340	\$8,160	\$5,569	\$31,069	\$17,340	\$8,160	\$5,569.20	\$31,069	\$17,340	\$8,160	\$5,569	\$31,069
Total Operating Expense	\$188,158	\$790,701	\$405,075	\$1,383,934	\$186,535	\$788,458	\$418,121	\$1,393,114	\$205,687	\$814,872	\$436,851	\$1,457,410	\$218,752	\$908,326	\$453,159	\$1,580,237
Non-Operating Expense																
Land lease amortization	\$0	\$0	\$1,622	\$1,622	\$0	\$0	\$1,622	\$1,622	\$0	\$0	\$0	\$0	\$0	\$20,400	\$0	\$20,400
Long term debt payments	\$0	238,428	\$0	\$238,428	\$0	\$795,859	\$0.00	\$795,859	\$0	\$795,859	\$0	\$795,859	\$0	\$201,404	\$0	\$201,404
Total Non-Operating Expenses	\$0	\$238,428	\$1,622	\$240,050	\$0	\$795,859	\$1,622	\$797,481	\$0	\$795,859	\$0	\$795,859	\$0	\$221,804	\$0	\$221,804
Total Expenses	\$188,158	\$1,029,129	\$406,697	\$1,623,984	\$186,535	\$1,584,317	\$419,742	\$2,190,594	\$205,687	\$1,610,731	\$436,851	\$2,253,269	\$218,752	\$1,130,130	\$453,159	\$1,802,041
Net Revenues (Loss)	(\$163,275)	(\$919,511)	(\$393,671)	(\$1,476,457)	(\$165,604)	(\$1,492,106)	(\$406,716)	(\$2,064,426)	(\$188,660)	(\$1,535,718)	(\$425,541)	(\$2,149,919)	(\$201,680)	(\$1,055,117)	(\$441,849)	(\$1,698,646)

Source: DSPUD.

#### Table A-1 Donner Summit PUD 2018 Wastewater Rate Study Historical Fiscal Year Wastewater Operating Budget **Excluding Operating Revenues**

Revenues and		201	16			201	7			201	B	
Expenses	Collection	Plant	Admin	Total	Collection	Plant	Admin	Total	Collection	Plant	Admin	Total
Non-Operating Revenue			78%				78%				78%	
Property tax	\$18,038	\$79,463	\$0	\$97,501	\$18,398	\$81,052	\$0	\$99,450	\$18,398	\$81,052	\$0	\$99,450
GO Bond revenue	\$18,038 \$0	\$79,463 \$0	\$0 \$0	\$97,501 \$0	\$18,398 \$0	\$81,052 \$0	\$0 \$0	\$99,450 \$0	\$18,398 \$0	\$81,052 \$0	\$0 \$0	\$99,450 \$0
	\$0 \$0	\$0 \$0	\$6,240	\$6,240	\$0 \$0	\$0 \$0	\$6,240	\$6,240	\$0 \$0	\$0 \$0		\$6,240
Late charges and other Station 97 Utilities	\$0 \$0	\$0 \$0	\$6,240 \$5,070	\$6,240 \$5,070	\$0 \$0	\$0 \$0	\$6,240 \$5,070		\$0 \$0	\$0 \$0	\$6,240 \$5,070	
Connection fees	\$0 \$0	\$0 \$0	\$5,070 \$0	\$5,070 \$0		\$0 \$0		\$5,070		\$0 \$0	\$5,070 \$0	\$5,070
					\$0		\$0	\$0	\$0			\$0
Total Revenues	\$18,038	\$79,463	\$11,310	\$108,811	\$18,398	\$81,052	\$11,310	\$110,760	\$18,398	\$81,052	\$11,310	\$110,760
EXPENSES												
Operating Expense												
Salaries	\$79,410	\$255,400	\$267,408	\$602,218	\$85,561	\$275,184	\$278,817	\$639,562	\$94,036	\$302,440	\$289,978	\$686,454
Employee Benefits	\$38,948	\$125,266	\$66,815	\$231,029	\$35,989	\$115,749	\$60,899	\$212,637	\$40,107	\$128,992	\$66,337	\$235,436
Board Expense	\$0	\$0	\$16,686	\$16,686	\$0	\$0	\$16,686	\$16,686	\$0	\$0	\$37,658	\$37,658
Professional fees	\$2,040	\$10,200	\$68,250	\$80,490	\$2,111	\$38,557	\$68,250	\$108,918	\$2,111	\$42,557	\$66,690	\$111,358
Dues and Subscriptions	\$0	\$673	\$4,209	\$4,882	\$0	\$697	\$4,209	\$4,906	\$0	\$697	\$4,209	\$4,906
Fees, permits, certifications, leases	\$3,060	\$1,612	\$12,843	\$17,515	\$3,262	\$16,528	\$12,865	\$32,655	\$3,262	\$16,528	\$13,797	\$33,587
Training, education, travel	\$255	\$2,550	\$2,340	\$5,145	\$264	\$2,639	\$2,340	\$5,243	\$264	\$2,639	\$2,340	\$5,243
Insurance	\$15,600	\$39,000	\$6,084	\$60,684	\$12,000	\$30,000	\$4,680	\$46,680	\$14,600	\$36,500	\$5,694	\$56,794
Office supplies	\$510	\$765	\$1,591	\$2,866	\$544	\$792	\$1,591	\$2,927	\$544	\$792	\$1,591	\$2,927
Utilities, communications	\$24,205	\$272,950	\$21,933	\$319,088	\$25,553	\$250,000	\$21,933	\$297,486	\$25,553	\$250,000	\$22,495	\$298,048
Chemicals and lab supplies	\$500	\$119,156	\$0	\$119,656	\$544	\$122,156	\$0	\$122,700	\$544	\$122,156	\$0	\$122,700
Lab testing	\$0	\$60,000	\$0	\$60,000	\$0	\$50,000	\$0	\$50,000	\$0	\$50,000	\$0	\$50,000
Equipment maintenance / repair	\$9,180	\$36,720	\$4,914	\$50,814	\$9,786	\$46,000	\$4,914	\$60,700	\$9,786	\$51,000	\$4,914	\$65,700
Small equipment and rental	\$2,792	\$3,167	\$0	\$5,959	\$2,890	\$3,278	\$0	\$6,168	\$2,890	\$3,278	\$0	\$6,168
Operating supplies	\$2,040	\$2,550	\$0	\$4,590	\$2,111	\$2,639	\$0	\$4,750	\$2,111	\$2,639	\$0	\$4,750
Infiltration - Inflow	\$25,000	\$0	\$0	\$25,000	\$25,000	\$0	\$0	\$25,000	\$25,000	\$0	\$0	\$25,000
Sludge removal	\$2,000	\$5,000	\$0	\$7,000	\$2,000	\$12,000	\$0	\$14,000	\$2,000	\$12,000	\$0	\$14,000
Fleet maintenance	\$3,520	\$33,788	\$0	\$37,308	\$3,648	\$37,351	\$0	\$40,999	\$3,648	\$37,351	\$0	\$40,999
Facilities maintenance	\$17,340	\$8,160	\$5,569	\$31,069	\$0	\$13,000	\$5,569	\$18,569	\$17,947	\$13,000	\$6,524	\$37,471
Total Operating Expense	\$226,400	\$976,957	\$478,642	\$1,681,999	\$211,263	\$1,016,570	\$482,753	\$1,710,586	\$244,403	\$1,072,569	\$522,228	\$1,839,200
Non-Operating Expense												
Land lease amortization	\$0	\$20,400	\$0	\$20,400	\$0	\$20.250	\$0	\$20,250	\$0	\$20,250	\$0	\$20,250
Long term debt payments	\$0 \$0	\$244,972	\$0	\$244,972	\$0 \$0	\$274,023	\$0 \$0	\$274,023	\$0 \$0	\$275,210	\$0 \$0	\$275,210
Total Non-Operating Expenses	\$0 \$0	\$265,372	\$0 \$0	\$265,372	\$0 \$0	\$294,273	\$0 \$0	\$294,273	\$0 \$0	\$295,460	\$0 \$0	\$295,460
Total Non-Operating Expenses	<b>40</b>	\$203,372	ŞU	\$203,372	ŞŪ	3234,213	ŞU	ŞZ34,273	ŞU	\$255,400	ŞU	Ş255,400
Total Expenses	\$226,400	\$1,242,329	\$478,642	\$1,947,371	\$211,263	\$1,310,843	\$482,753	\$2,004,859	\$244,403	\$1,368,029	\$522,228	\$2,134,660
Net Revenues (Loss)	(\$208,362)	(\$1,162,866)	(\$467,332)	(\$1,838,560)	(\$192,865)	(\$1,229,791)	(\$471,443)	(\$1,894,099)	(\$226,005)	(\$1,286,977)	(\$510,918)	(\$2,023,900)

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#### Table A-2

#### Donner Summit PUD 2018 Wastewater Rate Study

Comparison of Historical Operating Expenses to Standard Indicies (combined District funds)

			Fiscal Ye	ar Ending			Total	Avg. Ann.
Operating Expense	2012	2013	2014	2015	2016	2017	Change	% Change
Personnel Expense								
Salaries	\$621,949	\$646,447	\$650,861	\$693,762	\$800,205	\$887,603	\$265,654	7.4%
Benefits	\$273,243	\$285,156	\$291,429	\$305,015	\$264,611	\$288,196	\$14,953	1.1%
Subtotal Personnel	\$895,192	\$931,603	\$942,290	\$998,777	\$1,064,816	\$1,175,799	\$280,607	5.6%
Other Operating Expense								
Board expense	\$20,604	\$17,762	\$17,457	\$18,883	\$23,047	\$28,369	\$7,765	6.6%
Professional services	\$92,206	\$83,494	\$83,390	\$100,761	\$203,998	\$260,451	\$168,245	23.1%
Fleet, Equipment & Repairs	\$138,616	\$141,578	\$160,626	\$149,497	\$261,427	\$172,189	\$33,573	4.4%
Operating supplies	\$9,222	\$10,137	\$8,651	\$11,043	\$26,753	\$26,398	\$17,176	23.4%
Insurance	\$56,521	\$56,420	\$53,248	\$56,017	\$55,338	\$59,664	\$3,143	1.1%
Utilities, communications	\$197,124	\$170,961	\$234,782	\$277,640	\$318,387	\$366,726	\$169,602	13.2%
Chemicals, lab supplies	\$196,636	\$220,936	\$178,849	\$221,469	\$148,590	\$162,240	(\$34,396)	-3.8%
Inflow / Infiltration and sludge removal	\$15,308	\$19,611	\$10,544	\$21,722	\$15,483	\$16,625	\$1,317	1.7%
Other [1]	\$70,496	\$51,446	\$63,871	\$75,382	\$97,516	\$141,582	\$71,086	15.0%
Subtotal Other Operating Expense [2]	\$796,733	\$772,345	\$811,418	\$932,414	\$1,150,539	\$1,234,244	\$437,511	9.1%
Total Operating Expenses	\$1,691,925	\$1,703,948	\$1,753,708	\$1,931,191	\$2,215,355	\$2,410,043	\$718,118	7.3%
Total Without Utilities, Communications,								
Professional Services, and Other [3]	\$1,332,099	\$1,398,047	\$1,371,665	\$1,477,408	\$1,595,454	\$1,641,284	\$309,185	4.3%
Engineering News Record	June 2012	June 2013	June 2014	June 2015	June 2016	June 2017		
ENR Construction Cost Index 20-City	9,291.00	9,542.00	9,800.00	10,039.00	10,337.05	10,702.81	1,411.81	2.9%
ENR Construction Cost Index San Francisco	10,385.54	10,388.84	10,899.59	11,155.07	11,548.40	11,722.15	1,336.61	2.5%
Bureau of Labor Statistics								
Consumer Price Index - California	237.80	241.90	247.23	250.40	255.68	262.29	24.49	2.0%
Consumer Price Index - San Francisco	239.81	245.94	253.32	259.12	266.04	275.30	35.50	2.8%

Source: HEC, California Department of Finance, and the Engineering News Record.

indices

[1] Increased costs for Other attributed to extra sludge testing, wastewater copper study and drinking water copper and lead testing and new portable gas detectors. [2] Excludes depreciation, interest, and amortization of land lease.

[3] Utilities and communications costs excluded because of the new treatment plant construction and completion. In future years these costs are anticipated to increase at about the same rate as most other costs. Professional services excluded because of a significant decrease in professional services following completion of the wastewater treatment plant loan renegotiation.

#### Table A-3 Donner Summit PUD 2018 Wastewater Rate Study

Projection of Wastewater Operating Costs and SLCWD's Share of Treatment Plant Operating Costs

Operating Expenses		2018 (	Budget)	20	19	20	20	20	21	20	)22	20	23
		Collection	Plant										
Salaries	4.0%	\$94,036	\$302,440	\$97,797	\$314,538	\$101,709	\$327,119	\$105,778	\$340,204	\$110,009	\$353,812	\$114,409	\$367,965
Employee Benefits	4.0%	\$40,107	\$128,992	\$41,711	\$134,152	\$43,380	\$139,518	\$45,115	\$145,098	\$46,920	\$150,902	\$48,796	\$156,938
Board Expense	4.0%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Professional fees	4.0%	\$2,111	\$42,557	\$2,195	\$44,259	\$2,283	\$46,030	\$2,375	\$47,871	\$2,470	\$49,786	\$2,568	\$51,777
Dues and Subscriptions	4.0%	\$0	\$697	\$0	\$725	\$0	\$754	\$0	\$784	\$0	\$815	\$0	\$848
Fees, permits, certifications, leases	4.0%	\$3,262	\$16,528	\$3,392	\$17,189	\$3,528	\$17,877	\$3,669	\$18,592	\$3,816	\$19,335	\$3,969	\$20,109
Training, education, travel	4.0%	\$264	\$2,639	\$275	\$2,745	\$286	\$2,854	\$297	\$2,969	\$309	\$3,087	\$321	\$3,211
Insurance	4.0%	\$14,600	\$36,500	\$15,184	\$37,960	\$15,791	\$39,478	\$16,423	\$41,058	\$17,080	\$42,700	\$17,763	\$44,408
Office supplies	4.0%	\$544	\$792	\$566	\$824	\$588	\$857	\$612	\$891	\$636	\$927	\$662	\$964
Utilities, communications	4.0%	\$25,553	\$250,000	\$26,575	\$260,000	\$27,638	\$270,400	\$28,744	\$281,216	\$29,893	\$292,465	\$31,089	\$304,163
Chemicals and lab supplies	4.0%	\$544	\$122,156	\$566	\$127,042	\$588	\$132,124	\$612	\$137,409	\$636	\$142,905	\$662	\$148,623
Lab testing	4.0%	\$0	\$50,000	\$0	\$52,000	\$0	\$54,080	\$0	\$56,243	\$0	\$58,493	\$0	\$60,833
Equipment maintenance / repair	4.0%	\$9,786	\$51,000	\$10,177	\$53,040	\$10,585	\$55,162	\$11,008	\$57,368	\$11,448	\$59,663	\$11,906	\$62,049
Small equipment and rental	4.0%	\$2,890	\$3,278	\$3,006	\$3,409	\$3,126	\$3,545	\$3,251	\$3,687	\$3,381	\$3,835	\$3,516	\$3,988
Operating supplies	4.0%	\$2,111	\$2,639	\$2,195	\$2,745	\$2,283	\$2,854	\$2,375	\$2,969	\$2,470	\$3,087	\$2,568	\$3,211
Infiltration - Inflow	4.0%	\$25,000	\$0	\$26,000	\$0	\$27,040	\$0	\$28,122	\$0	\$29,246	\$0	\$30,416	\$(
Sludge removal	4.0%	\$2,000	\$12,000	\$2,080	\$12,480	\$2,163	\$12,979	\$2,250	\$13,498	\$2,340	\$14,038	\$2,433	\$14,600
Fleet maintenance	4.0%	\$3,648	\$37,351	\$3,794	\$38,845	\$3,946	\$40,399	\$4,104	\$42,015	\$4,268	\$43,695	\$4,438	\$45,443
Facilities maintenance	4.0%	\$17,947	\$13,000	\$18,665	\$13,520	\$19,411	\$14,061	\$20,188	\$14,623	\$20,995	\$15,208	\$21,835	\$15,810
Land lease amortization		\$0	\$20,250	\$0	\$20,250	\$0	\$20,250	\$0	\$20,250	\$0	\$20,250	\$0	\$20,250
Total Expenses less long-term Debt		\$244,403	\$1,092,819	\$254,179	\$1,135,722	\$264,346	\$1,180,341	\$274,920	\$1,226,744	\$285,917	\$1,275,004	\$297,354	\$1,325,194
Sierra Lakes CWD Share of Expenses	[1]		\$482,168		\$501,097		\$520,783		\$541,257		\$562,550		\$584,695

[1] Calculation of Sierra Lakes CWD Share of Treatment Plant Operations is total expenses less long term debt payment multiplied by cost allocation factors (from Table A-6):

Percentage of expenses 39%

Administrative expenses 14%

# Table A-4Donner Summit PUD 2018 Wastewater Rate StudyProjection of the Wastewater Fund's Administration Revenues and Expenses

Revenues and					Estimated		
Expenses	Assumptions	2018	2019	2020	2021	2022	2023
Revenue		Base Year	Year 1	Year 2	Year 3	Year 4	Year 5
Other (late charges, Station 97 utilities	s)	\$11,310	\$11,310	\$11,310	\$11,310	\$11,310	\$11,310
Total Revenues		\$11,310	\$11,310	\$11,310	\$11,310	\$11,310	\$11,310
Expenses		See Table 4					
Salaries	4.0%	\$267,408	\$278,105	\$289,229	\$300,798	\$312,830	\$325,343
Employee Benefits	4.0%	\$66,815	\$69,487	\$72,267	\$75,158	\$78,164	\$81,290
Board Expense	4.0%	\$16,686	\$17,353	\$18 <i>,</i> 047	\$18,769	\$19,520	\$20,301
Professional fees	4.0%	\$68,250	\$70,980	\$73 <i>,</i> 819	\$76,772	\$79 <i>,</i> 843	\$83,037
Dues and Subscriptions	4.0%	\$4,209	\$4,377	\$4,552	\$4,734	\$4,924	\$5,121
Fees, permits, certifications, leases	4.0%	\$12,843	\$13,356	\$13,891	\$14,446	\$15,024	\$15,625
Training, education, travel	4.0%	\$2,340	\$2,434	\$2,531	\$2,632	\$2,737	\$2,847
Insurance	4.0%	\$7,500	\$7,800	\$8,112	\$8,436	\$8,774	\$9,125
Office supplies	4.0%	\$1,591	\$1,655	\$1,721	\$1,790	\$1,861	\$1,936
Utilities, communications	4.0%	\$21,933	\$22,810	\$23,723	\$24,671	\$25,658	\$26,685
Chemicals and lab supplies	4.0%	\$0	\$0	\$0	\$0	\$0	\$0
Lab testing	4.0%	\$0	\$0	\$0	\$0	\$0	\$0
Equipment maintenance / repair	4.0%	\$4,914	\$5,111	\$5,315	\$5,528	\$5,749	\$5,979
Small equipment and rental	4.0%	\$0	\$0	\$0	\$0	\$0	\$0
Operating supplies	4.0%	\$0	\$0	\$0	\$0	\$0	\$0
Infiltration - Inflow	4.0%	\$0	\$0	\$0	\$0	\$0	\$0
Sludge removal	4.0%	\$0	\$0	\$0	\$0	\$0	\$0
Fleet maintenance	4.0%	\$0	\$0	\$0	\$0	\$0	\$0
Facilities maintenance	4.0%	\$5,569	\$5,792	\$6,024	\$6,265	\$6,515	\$6,776
Total Operating Expense		\$480,058	\$499,260	\$519,230	\$539,999	\$561,599	\$584,063

Source: DSPUD and HEC.

admin reall

#### Table A-5 Donner Summit PUD 2018 Wastewater Rate Study Estimated Annual Depreciation of Existing Facilities

Treatment Plant and Disposal Facilities           New Water Treatment Plant         2014         60         2         56         \$22,290,322         \$21,547,311         \$371,500           Disposal Facilities         1974         40         42         0         \$906,248         \$00         \$51           Force Main         2004         30         12         16         \$18,720         \$11,232         \$52           Irrigation Pump         2007         10         9         0         \$10,453         \$00         \$\$           Terbidity Meter         1998         10         18         0         \$1,769         \$0         \$\$           Filter Media         2005         10         11         0         \$8,435         \$0         \$\$           Yater Discharge Permit         2009         5         6         0         \$7,111         \$0         \$\$           Roding Machine         1983         5         33         0         \$2,099         \$0         \$\$           Sewer Collection System         1974         40         42         0         \$407,168         \$0         \$\$           Paving - Ski Town         1986         5         30         \$24,254         \$		Year	Total Life,	Years	Remaining			Annual	
New Water Treatment Plant         2014         60         2         56         522,290,322         232,147,311         5371,500           Force Main         2004         30         12         16         518,720         522,572,322         552           Force Main         2007         10         9         0         \$10,043         \$50         \$57           Trebicitly Meter         2005         10         11         0         \$8,435         \$50         \$5           Shinnaywa Submersible Waster Water Pump         2000         5         6         0         \$7,111         \$50         \$5           Total Treatment Plant and Disposi Facilities         700         \$511,543         \$50         \$5         \$50	Item	Const.	yrs	Spent	Life in 2018	Original Value	Current Value	Depreciation	
New Water Treatment Plant         2014         60         2         56         522,290,322         232,147,311         5371,500           Force Main         2004         30         12         16         518,720         552         552           Force Main         2007         10         9         0         510,633         50         53           Terplation Pump         2007         10         9         0         511,633         50         59           Mater Discharge Permit         2009         5         7         0         531,653         500         59           Total Treatment Plant and Disposi Facilities         701         531,653         50         59         50 <td< td=""><td>Treatment Plant and Disposal Facilities</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Treatment Plant and Disposal Facilities								
Disposal Facilities         174         40         42         0         5906,248         150         5           Force Main         2007         10         9         0         \$10,453         \$50         \$52           Trathidity Meter         1998         10         18         0         \$17,69         \$50         \$51           Water Discharge Permit         2009         5         7         0         \$121,863         \$50         \$5           Simmayres Submersible Water Water Pump         2010         5         6         \$7,111         \$0         \$5           Total Treatment Plant and Disposal Facilities         521,555,543         \$52,099         \$0         \$54,070         \$0         \$5           Sever Collection System         1974         40         42         0         \$407,168         \$0         \$5           Paving : Ski Town         1986         5         30         0         \$24,264         \$5	•	2014	60	2	56	\$22.290.322	\$21.547.311	\$371.505	
irrigation Pump         2007         10         9         0         \$10.433         \$0         \$0           Filter Media         2005         10         11         0         \$8,435         \$50         \$5           Filter Media         2005         10         11         0         \$8,435         \$50         \$5           Total Treatment Plant and Disposal Facilities         512,558,543         \$527,252         \$577,212         \$50         \$577,212         \$50         \$577,212         \$50         \$577,212         \$50         \$577,212         \$50         \$50         \$577,212         \$50,299         \$50         \$5		1974						\$(	
Teribative Meter         1998         10         18         0         51,79         S0         S           Water Discharge Permit         2005         10         11         0         58,435         50         S           Teribative Mater Plant and Disposal Facilities         51         7         0         \$131,863         \$0         S           Rodding Machine         1983         5         33         0         \$2,099         \$0         \$0           Sever Collection System         -         -         53         0         \$2,079         \$0         \$5           Collection System         -         1981         25         35         0         \$2,071,68         \$0         \$5           Phares 1,2,3         1981         25         35         0         \$2,42,64         \$0         \$5           Norden Line Extension         1987         20         29         0         \$1,673,587         \$0         \$5           Sever Extension - Donne For         1993         20         23         0         \$2,073         \$0         \$5           Sever Extension - Highway 40         1994         20         22         \$8,895         \$0         \$5           <	Force Main	2004	30	12	16	\$18,720	\$11,232	\$624	
Filter Media         2005         10         11         0         \$\$4,35         \$0         \$           Water Discharge Permit         2009         5         7         0         \$131,863         \$0         \$5           Total Treatment Plant and Disposal Facilities         5         33         0         \$20,99         \$0         \$5           Rodding Machine         1983         5         33         0         \$20,99         \$0         \$5           Rodding Machine         1974         40         42         0         \$407,95         \$0         \$5           Phases 1,2,3         1981         25         35         0         \$107,075         \$0         \$5           Norden Line Extension         1987         20         20         \$1,676,627         \$0         \$5           Sewer Extension-Donner Dr         1993         20         23         0         \$20,763         \$5         \$6           Sewer Extension-Highway 40         1994         20         22         0         \$8,80,70         \$5           Norden Extension         1988         0         18         0         \$20,73         \$5         \$5           Sewer Extension-Highway 40         1994<	Irrigation Pump	2007	10	9	0	\$10,453	\$0	\$0	
Water Discharge Permit         2009         5         7         0         \$131,863         \$0         \$5           Shinmaywa Submersible Waste Water Pump         2010         5         6         0         \$7,111         \$50         \$521,558,543         \$372,122           Rodding Machine         1983         5         33         0         \$20,99         \$00         \$5           Sever Collection System         1974         40         42         0         \$407,168         \$0         \$5           Proses 1,2,3         1981         25         35         0         \$242,450         \$5           Paving - Ski Town         1986         5         30         \$242,657         \$50         \$5           Ski Town Sever         1988         20         22         0         \$5,678,355         \$50         \$5           Norden Line Kension         1989         20         27         0         \$5,833         \$5,00         \$5           Norden Line Kension         1998         10         18         0         \$20,277         \$50         \$5           Norden Line Kension         1998         10         18         0         \$21,483         \$5,633         \$51,208	Terbidity Meter	1998	10	18	0	\$1,769	\$0	\$0	
Shinanya Submersible Wastle Water Pump         2010         5         6         0         \$7,111         50         \$521,558,543         \$521,528,543 </td <td>Filter Media</td> <td>2005</td> <td>10</td> <td>11</td> <td>0</td> <td>\$8,435</td> <td>\$0</td> <td>\$0</td>	Filter Media	2005	10	11	0	\$8,435	\$0	\$0	
Total Treatment Plant and Disposal Facilities         \$21,558,543         \$327,122           Rodding Machine         1983         5         33         0         \$2,099         \$0         \$3           Sewer Collection System	Water Discharge Permit	2009	5	7	0	\$131,863	\$0	\$0	
Rodding Machine         1983         5         33         0         \$2,099         \$0         \$           Sever Collection System         1974         40         42         0         \$407,168         \$0         \$5           Collection System         1974         40         42         0         \$407,168         \$0         \$5           Paring : Ski Town         1986         5         30         0         \$54,264         \$50         \$5           Norden Line Extension         1987         20         23         0         \$56,253         \$50         \$5           Sewer Extension - Donner Dr         1993         20         23         0         \$50,207         \$50         \$5           Norden Extension - Highway 40         1994         20         22         0         \$58,895         \$50         \$5           Norden Purphouse         1998         10         18         0         \$50,207         \$50         \$5           Norden Extension - Highway 40         1994         20         22         \$58,895         \$50         \$5           Total Sever Collection System         10         13         0         \$21,123         \$5,633         \$1,400 </td <td>Shinmaywa Submersible Waste Water Pump</td> <td>o 2010</td> <td>5</td> <td>6</td> <td>0</td> <td>\$7,111</td> <td>\$0</td> <td>\$0</td>	Shinmaywa Submersible Waste Water Pump	o 2010	5	6	0	\$7,111	\$0	\$0	
Sewer Collection System         1974         40         407,168         50           Collection System         1974         40         427,168         50         S           Paxing - Ski Town         1987         20         29         SLI,264         SO         S           Norden Line Extension         1987         20         SLI,263,827         SO         SS           SW Colspan="2">SW Colspan="2">SW Colspan="2"         SUMACE EXTENSION           SW Colspan="2">SUMACE EXTENSION         SUMACE EXTENSION           Water and Sewage Equipment           Thaver         SUMACE ASS         SUMACE ASS           Water and Sewage Equipment           Thaver         SUMACE ASS           SUMACE ASS         SUMACE ASS           SUMACE ASS         SUMACE ASS           Water and Sewage Equipment         Thaver         SUMACE ASS         SUMACE ASS <th cols<="" td=""><td>Total Treatment Plant and Disposal Facilitie</td><td>25</td><td></td><td></td><td></td><td></td><td>\$21,558,543</td><td>\$372,129</td></th>	<td>Total Treatment Plant and Disposal Facilitie</td> <td>25</td> <td></td> <td></td> <td></td> <td></td> <td>\$21,558,543</td> <td>\$372,129</td>	Total Treatment Plant and Disposal Facilitie	25					\$21,558,543	\$372,129
Collection system         1974         40         42         0         S407,168         S0         S           Phases 1,2,3         1981         25         35         0         S107,075         S0         S           Paving -Ski Town         1986         5         30         0         S24,264         S0         S           Norden Line Extension         1987         20         28         0         S6,233         S0         S           Ski Town Sewer         1988         20         28         0         S6,233         S0         S           Ski Town Sewer         1998         20         22         0         S8,895         S0         S           Sewer Extension - Highway 40         1994         20         22         0         S8,895         S0         S           Nash Eimo Generator         2005         15         11         2         S21,13         S5,633         S1,04           State imo Generator         2009         15         7         6         S185,814         S99,101         S12,238           Tota         2002         10         14         0         S30         S         S50           Bate mol Sewer Assets	Rodding Machine	1983	5	33	0	\$2,099	\$0	\$0	
Phases 1,2,3         1981         25         35         0         \$107,075         \$0         \$1           Paving - Ski Town         1986         5         30         0         \$24,264         \$0         \$5           Ski Town Sewer         1988         20         28         0         \$5,678,37         \$0         \$5           Ski Town Sewer         1988         20         28         0         \$50,733         \$0         \$5           Ski Town Sewer         1989         20         23         0         \$20,763         \$0         \$5           Sewer Extension - Donner Dr         1993         20         22         0         \$88,895         \$0         \$5           Norden Limphouse         1998         10         18         0         \$90,07         \$0         \$1,400           SCAD//Telemetry         2009         15         11         2         \$21,123         \$5,633         \$1,400           SCAD//Telemetry         2009         15         18         2         \$21,123         \$50,073         \$1,400         \$53,073         \$50         \$5           Parts Washer         1986         5         30         \$24,44         \$0         \$5	Sewer Collection System								
Paving - Ski Town         1986         5         30         0         St4,264         S0         S1           Norden Line Extension         1987         20         29         0         \$51,678,587         \$50         \$51           Ski Town Sewer         1988         20         27         0         \$52,533         \$50         \$55           Sewer Extension - Donner Dr         1993         20         22         0         \$58,895         \$50         \$55           Sewer Extension - Highway 40         1994         20         22         0         \$58,895         \$50         \$51           Nash Elmo Generator         2005         15         1         2         \$512,123         \$55,633         \$1,400           SCADA/Telemetry         2009         15         7         6         \$185,814         \$99,101         \$12,286           Water and Sewer Collection System          \$104,734         \$13,790         \$13         \$12,878         \$50         \$5           Building Addition         1978         10         38         0         \$244         \$0         \$57,73         \$50         \$5           Storage Containers         2002         10         14         \$33,0	Collection System	1974	40	42	0	\$407,168	\$0	\$0	
Norden Line Extension         1987         20         29         0         \$1,678,587         \$0         \$9           Ski Torden Extension         1988         20         28         0         \$6,253         \$0         \$5           Sewer Extension - Donner Dr         1993         20         23         0         \$20,763         \$0         \$5           Sewer Extension - Highway 40         1994         20         22         0         \$8,895         \$0         \$5           Norden Pumphouse         1998         10         18         0         \$90,207         \$50         \$5           SCADA/Telemetry         2005         15         11         2         \$21,123         \$5,633         \$14,04           SCADA/Telemetry         2009         15         7         6         \$185,814         \$90,101         \$12,288           Total Sewer Collection System         1978         10         38         0         \$244         \$0         \$5           Building Addition         1978         20         38         0         \$184,500         \$0         \$5           Building Addition         1978         20         36         \$3,514         \$43         \$3,514         \$43<	Phases 1,2,3	1981	25	35	0	\$107,075	\$0	\$0	
Ski Town Sewer       1988       20       28       0       \$6,253       \$0       \$5         88 Norden Extension - Donner Dr       1993       20       27       0       \$20,763       \$0       \$5         Sewer Extension - Highway 40       1994       20       22       0       \$8,895       \$0       \$5         Norden Pumphouse       1998       10       18       0       \$90,207       \$50       \$5         Norden Fumpouse       1998       10       18       0       \$90,207       \$50       \$5         Norden Extension - Highway 40       1994       20       22       0       \$8,895       \$50       \$5         Norden Extension - Highway 40       1998       10       18       0       \$90,207       \$50       \$5         Nash Elmo Generator       2005       15       7       6       \$185,814       \$99,101       \$12,288         Total Sewer Collection System       1978       10       38       0       \$244       \$0       \$5         Building Addition       1978       20       38       0       \$184,500       \$0       \$5         Storage Containers       2002       10       14       0       \$3	Paving - Ski Town	1986	5	30	0	\$24,264	\$0	\$0	
B8 Norden Extension         1989         20         27         0         \$93,889         \$0         \$5           Sewer Extension - Nighway 40         1994         20         22         0         \$58,895         \$0         \$5           Norden Pumphouse         1998         10         18         0         \$90,207         \$0         \$5           Nash Elmo Generator         2005         15         11         2         \$21,123         \$5,633         \$1,401           SCADA/Telemetry         209         15         7         6         \$188,814         \$59,9101         \$12,388           SCADA/Telemetry         209         15         7         6         \$188,814         \$59,9101         \$12,388           Water and Sewage Equipment         Thawer         1978         10         38         0         \$244         \$0         \$5           Parts Washer         1986         5         30         0         \$53,000         \$0         \$5           Sewer Camera         2002         10         14         0         \$3,763         \$00         \$5           Suidilig Addition (\$1ab)         2004         20         12         \$6         \$8,784         \$3,514	Norden Line Extension	1987	20	29	0	\$1,678,587	\$0	\$0	
Sewer Extension - Donner Dr         1993         20         23         0         \$20,763         \$50         \$5           Sewer Extension - Highway 40         1994         20         22         0         \$5,895         \$0         \$5           Norden Pumphouse         1998         10         18         0         \$50,027         \$5         \$5           Nash Elmo Generator         2005         15         11         2         \$21,123         \$5,633         \$1,400           SCADA/Telemetry         2009         15         7         6         \$185,814         \$99,101         \$12,383           Total Sewer Collection System          \$104,734         \$13,799         \$13         0         \$244         \$0         \$5           Water and Sewage Equipment         1978         10         38         0         \$184,500         \$0         \$5           Building Addition         1978         20         38         0         \$184,500         \$0         \$5           Sewer Camera         2002         10         14         0         \$3,000         \$0         \$5           Storage Containers         2002         10         14         0         \$3,000         \$5	Ski Town Sewer	1988	20	28	0	\$6,253	\$0	\$0	
Sewer Extension - Highway 40         1994         20         22         0         \$\$8,895         \$00         \$1           Norder Pumphouse         1998         10         18         0         \$90,207         \$00         \$5           Nash Elino Generator         2005         15         11         2         \$21,123         \$5,633         \$1,40           SCADA/Telemetry         2009         15         7         6         \$185,814         \$99,101         \$12,388           Total Sewer Collection System          ************************************	88 Norden Extension	1989	20	27	0	\$93,889	\$0	\$0	
Norden Pumphouse         1998         10         18         0         \$90,207         \$0         \$1           Nash Elmo Generator         2005         15         11         2         \$21,123         \$5,633         \$1,400           SCADA/Telemetry         2009         15         7         6         \$185,814         \$99,107         \$12,384           Total Sewer Collection System         5104,734         \$5104,734         \$5104,734         \$5104,734           Water and Sewer Assets         Water and Sewer Assets         50         \$5         \$0         \$5           Mating Addition         1978         10         38         0         \$244         \$0         \$5           Sewer Camera         2002         10         14         0         \$7,793         \$0         \$5           Storage Containers         2002         10         14         0         \$3,000         \$0         \$1           Building Addition (Slab)         2004         201         26         \$8,784         \$3,514         \$433           Telemetry System Project         2007         3         9         0         \$50,741         \$0         \$1           2011 Polaris Ranger Crew 800EF1         2012	Sewer Extension - Donner Dr	1993	20	23	0	\$20,763	\$0	\$0	
Nash Elmo Generator         2005         15         11         2         \$2,1,23         \$5,633         \$1,400           SCADA/Telemetry         2009         15         7         6         \$185,814         \$99,101         \$12,383           Total Sewer Collection System         State and Sewer Assets         Studa,734         \$\$13,791           Water and Sewer Assets         Water and Sewer Assets         Studa,734         \$\$13,791           Thawer         1978         10         38         0         \$\$244         \$\$0         \$\$13,791           Parts Washer         1978         20         38         0         \$\$14,500         \$\$0         \$\$15           Building Addition         1978         200         14         0         \$\$3,000         \$\$0         \$\$15           Furnace         2002         10         14         0         \$\$3,000         \$\$0         \$\$15           Building Addition (Slab)         2004         20         12         6         \$\$8,784         \$\$3,514         \$\$433           Telemetry System Project         2001         20         6         12         \$\$18,757         \$\$0         \$\$12,273         \$\$00           2005         Toyota Tacoma 4x4	Sewer Extension - Highway 40	1994	20	22	0	\$8,895	\$0	\$0	
SCADA/Telemetry         2009         15         7         6         \$185,814         \$99,101         \$12,38           Total Sewer Collection System         \$104,734         \$513,791           Water and Sewage Equipment         1978         10         38         0         \$244         \$0         \$53           Parts Washer         1978         20         38         0         \$530         \$0         \$5           Building Addition         1978         20         38         0         \$184,500         \$0         \$5           Sewer Camera         2002         10         14         0         \$3,000         \$0         \$5           Storage Containers         2002         10         14         0         \$3,000         \$0         \$5           Building Addition (Slab)         2004         20         12         6         \$8,784         \$3,51         \$43           Building Addition (Slab)         2001         26         12         \$18,757         \$5         \$5,773         \$500         \$5           Collar Addition (Slab)         2001         20         6         12         \$18,757         \$51,773         \$500           Telemetry System Project         2013 </td <td>Norden Pumphouse</td> <td>1998</td> <td>10</td> <td>18</td> <td>0</td> <td>\$90,207</td> <td>\$0</td> <td>\$0</td>	Norden Pumphouse	1998	10	18	0	\$90,207	\$0	\$0	
Total Sewer Collection System         \$104,724         \$105,724         \$105,724         \$104,724         \$105,724         \$104,724         \$105,724         \$105,724         \$105,724         \$105,727         \$105,727         \$105,727         \$105,727         \$105,727         \$10,723         \$101         \$104,724         \$12,723         \$100         \$10,723         \$10,723         \$10,723         \$10,723 <th< td=""><td>Nash Elmo Generator</td><td>2005</td><td>15</td><td>11</td><td>2</td><td>\$21,123</td><td>\$5,633</td><td>\$1,408</td></th<>	Nash Elmo Generator	2005	15	11	2	\$21,123	\$5,633	\$1,408	
Water and Sewer Assets           Water and Sewage Equipment           Thawer         1978         10         38         0         \$244         \$0         \$5           Parts Washer         1986         5         30         0         \$530         \$0         \$55           Building Addition         1978         20         38         0         \$184,500         \$0         \$5           Sewer Camera         2002         10         14         0         \$7,793         \$0         \$5           Furnace         2003         10         13         0         \$3,763         \$0         \$5           Building Addition (Slab)         2004         20         12         6         \$8,784         \$3,514         \$433           Telemetry System Project         2007         3         9         0         \$50,741         \$0         \$5           Roof - Administrative Office         2010         20         6         12         \$18,175         \$12,723         \$900           Vloc-5000 Leak Detector         2012         5         4         0         \$21,574         \$0         \$5           2011 Polaris Ranger Crew 800EFI         2013         5 <td>SCADA/Telemetry</td> <td>2009</td> <td>15</td> <td>7</td> <td>6</td> <td>\$185,814</td> <td>\$99,101</td> <td>\$12,388</td>	SCADA/Telemetry	2009	15	7	6	\$185,814	\$99,101	\$12,388	
Water and Sewage Equipment           Thaver         1978         10         38         0         \$244         \$0         \$5           Parts Washer         1996         5         30         0         \$530         \$0         \$5           Building Addition         1978         20         38         0         \$184,500         \$0         \$5           Sewer Camera         2002         10         14         0         \$7,793         \$0         \$5           Furnace         2003         10         13         0         \$3,763         \$0         \$5           Building Addition (Slab)         2004         20         12         6         \$8,784         \$3,514         \$433           Telemetry System Project         2007         3         9         0         \$50,741         \$0         \$5           Roof - Administrative Office         2010         20         6         12         \$18,175         \$12,723         \$900           Vloc-5000 Leak Detector         2012         5         4         0         \$21,574         \$0         \$5           2011 Polaris Ranger Crew 800EFI         2012         5         3         0         \$21,574         \$0	Total Sewer Collection System						\$104,734	\$13,796	
Thawer       1978       10       38       0       \$244       \$0       \$19         Parts Washer       1986       5       30       0       \$530       \$0       \$5         Building Addition       1978       20       38       0       \$184,500       \$0       \$5         Storage Containers       2002       10       14       0       \$7,793       \$0       \$5         Storage Containers       2002       10       14       0       \$3,000       \$0       \$5         Building Addition (Slab)       2004       20       12       6       \$8,784       \$3,514       \$433         Building Addition (Slab)       2004       20       12       6       \$8,784       \$3,514       \$433         Roof - Administrative Office       2010       20       6       12       \$18,175       \$12,723       \$900         Vloc-S000 Leak Detector       2014       5       2       1       \$6,434       \$3,860       \$1,28         Vehicles       2011       Polaris Ranger Crew 800EFI       2012       5       4       0       \$15,277       \$0       \$15         2013 Ford F150       2013       5       3       0									
Parts Washer         1986         5         30         0         \$530         \$0         \$5           Building Addition         1978         20         38         0         \$184,500         \$0         \$5           Sewer Carnera         2002         10         14         0         \$7,793         \$0         \$5           Storage Containers         2002         10         14         0         \$3,000         \$0         \$5           Building Addition (Slab)         2002         10         14         0         \$3,763         \$0         \$5           Building Addition (Slab)         2004         20         12         6         \$8,784         \$3,514         \$433           Telemetry System Project         2007         3         9         0         \$50,741         \$0         \$1           Vloc-5000 Leak Detector         2014         5         2         1         \$6,434         \$12,723         \$900           Vloc-5000 Leak Detector         2012         5         4         0         \$21,574         \$0         \$5           2013 Ford F250         2013         5         3         0         \$221,437         \$0         \$5           201	• • •								
Building Addition         1978         20         38         0         \$184,500         \$0         \$155           Sewer Camera         2002         10         14         0         \$7,793         \$0         \$55           Storage Containers         2002         10         14         0         \$3,000         \$0         \$55           Furnace         2003         10         13         0         \$3,763         \$50         \$55           Building Addition (Slab)         2004         20         12         6         \$8,784         \$3,514         \$433           Telemetry System Project         2007         3         9         0         \$50,741         \$0         \$50           Roof - Administrative Office         2010         20         6         12         \$18,175         \$12,723         \$900           Vioc-S000 Leak Detector         2014         5         2         1         \$6,434         \$3,860         \$1,283           Vhice-S         2011 Polaris Ranger Crew 800EFI         2012         5         4         0         \$21,577         \$0         \$51           2013 Ford F150         2013         5         3         0         \$21,437         \$0								\$0	
Sewer Camera         2002         10         14         0         \$7,793         \$0         \$1           Storage Containers         2002         10         14         0         \$3,000         \$0         \$5           Building Addition (Slab)         2004         20         12         6         \$8,784         \$3,514         \$433           Telemetry System Project         2007         3         9         0         \$50,741         \$0         \$3           Roof - Administrative Office         2010         20         6         12         \$18,175         \$12,723         \$900           Vloc-5000 Leak Detector         2014         5         2         1         \$6,434         \$3,860         \$1,287           Vhicles           \$2012         5         4         0         \$21,574         \$0         \$12           2013 Ford F250         2013         5         3         0         \$22,577         \$0         \$12           2013 Ford F150         2013         5         3         0         \$22,577         \$0         \$13           2013 Ford F150         2013         5         3         0         \$22,5297         \$0         \$13						•	•	\$0	
Storage Containers         2002         10         14         0         \$3,000         \$0         \$1           Furnace         2003         10         13         0         \$3,763         \$0         \$1           Building Addition (Slab)         2004         20         12         6         \$8,784         \$3,514         \$433           Telemetry System Project         2007         3         9         0         \$50,741         \$0         \$1           Roof - Administrative Office         2010         20         6         12         \$18,175         \$12,723         \$900           Vioc-SO00 Leak Detector         2014         5         2         1         \$6,434         \$3,860         \$12,800           Vehicles         2005 Toyota Tacoma 4x4         2012         5         4         0         \$21,574         \$0         \$4           2013 Ford F250         2013         5         3         0         \$22,977         \$0         \$4           305 Cat Excavator         2014         5         2         1         \$18,500         \$11,100         \$3,700           Office Furniture and Equipment         2001         5         15         \$4,450         \$0         \$4,									
Furnace       2003       10       13       0       \$3,763       \$0       \$1         Building Addition (Slab)       2004       20       12       6       \$8,784       \$3,514       \$433         Telemetry System Project       2007       3       9       0       \$50,741       \$0       \$51         Roof - Administrative Office       2010       20       6       12       \$18,175       \$12,723       \$900         Vloc-5000 Leak Detector       2014       5       2       1       \$6,434       \$3,860       \$1,280         2005 Toyota Tacoma 4x4       2012       5       4       0       \$21,574       \$0       \$1         2011 Polaris Ranger Crew 800EFI       2012       5       4       0       \$15,277       \$0       \$1         2013 Ford F250       2013       5       3       0       \$25,297       \$0       \$1         2013 Ford F150       2013       5       3       0       \$21,437       \$0       \$1         305 Cat Excavator       2013       5       3       0       \$21,437       \$0       \$1         Mom Software       1993       3       23       \$6,499       \$0       \$1									
Building Addition (Slab)         2004         20         12         6         \$8,784         \$3,514         \$433           Telemetry System Project         2007         3         9         0         \$50,741         \$0         \$1           Roof - Administrative Office         2010         20         6         12         \$18,175         \$12,723         \$900           Vloc-5000 Leak Detector         2014         5         2         1         \$6,434         \$3,860         \$1,28           Vehicles          2012         5         4         0         \$21,574         \$0         \$1           2005 Toyota Tacoma 4x4         2012         5         4         0         \$21,577         \$0         \$1           2011 Polaris Ranger Crew 800EFI         2013         5         3         0         \$25,297         \$0         \$1           2013 Ford F150         2013         5         3         0         \$21,437         \$0         \$1           305 Cat Excavator         2014         5         2         1         \$18,500         \$11,100         \$3,700           Office Furniture and Equipment            \$1         \$14         \$0	-							\$0	
Telemetry System Project         2007         3         9         0         \$50,741         \$0         \$1           Roof - Administrative Office         2010         20         6         12         \$18,175         \$12,723         \$900           Vloc-5000 Leak Detector         2014         5         2         1         \$6,434         \$3,860         \$1,28           Vehicles         2         1         \$6,434         \$3,860         \$1,28           2005 Toyota Tacoma 4x4         2012         5         4         0         \$21,574         \$0         \$1           2011 Polaris Ranger Crew 800EFI         2012         5         4         0         \$15,277         \$0         \$1           2013 Ford F250         2013         5         3         0         \$22,297         \$0         \$1           2013 Ford F150         2013         5         3         0         \$21,437         \$0         \$1           2015 Cat Excavator         2014         5         2         1         \$18,500         \$11,100         \$3,700           Office Furniture and Equipment         ////////////////////////////////////									
Roof - Administrative Office       2010       20       6       12       \$18,175       \$12,723       \$900         Vloc-5000 Leak Detector       2014       5       2       1       \$6,434       \$3,860       \$1,28         Vehicles       2005 Toyota Tacoma 4x4       2012       5       4       0       \$21,574       \$0       \$4         2011 Polaris Ranger Crew 800EFI       2012       5       4       0       \$15,277       \$0       \$4         2013 Ford F250       2013       5       3       0       \$22,574       \$0       \$4         2013 Ford F150       2013       5       3       0       \$21,437       \$0       \$4         2013 Ford F150       2013       5       3       0       \$21,437       \$0       \$4         Office Furniture and Equipment       2014       5       2       1       \$18,500       \$11,100       \$3,700         Mom Software       1993       3       23       0       \$6,499       \$0       \$6         Board Room Furniture       2001       5       15       0       \$4,450       \$0       \$6         Dell Optiplex 780, 20" Monitor       2010       5       6       0	<b>e</b> , ,							•	
Vloc-5000 Leak Detector       2014       5       2       1       \$6,434       \$3,860       \$1,28         Vehicles       2       205 Toyota Tacoma 4x4       2012       5       4       0       \$21,574       \$0       \$4         2005 Toyota Tacoma 4x4       2012       5       4       0       \$21,574       \$0       \$4         2011 Polaris Ranger Crew 800EFI       2012       5       4       0       \$15,277       \$0       \$4         2013 Ford F250       2013       5       3       0       \$25,297       \$0       \$5         2013 Ford F150       2013       5       3       0       \$21,437       \$0       \$3,700         2013 Ford F150       2014       5       2       1       \$18,500       \$11,100       \$3,700         2015 Cat Excavator       2014       5       2       1       \$18,500       \$51,100       \$3,700         Office Furniture and Equipment       Mom Software       1993       3       23       0       \$6,499       \$0       \$6         Board Room Furniture       2001       5       15       0       \$4,450       \$0       \$4       \$0       \$4       \$0       \$4       \$0								\$0	
Vehicles         2005 Toyota Tacoma 4x4         2012         5         4         0         \$21,574         \$0         \$15,277           2011 Polaris Ranger Crew 800EFI         2012         5         4         0         \$15,277         \$0         \$15,277           2013 Ford F250         2013         5         3         0         \$25,297         \$0         \$15,277           2013 Ford F150         2013         5         3         0         \$21,437         \$0         \$31,3700           2013 Ford F150         2014         5         2         1         \$18,500         \$11,100         \$33,700           305 Cat Excavator         2014         5         2         1         \$18,500         \$11,100         \$33,700           Office Furniture and Equipment           Mom Software         1993         3         23         0         \$6,499         \$0         \$4           Board Room Furniture         2001         5         15         0         \$4,450         \$0         \$4           Carpet Office         2006         5         10         0         \$7,923         \$0         \$4           Dell Optiplex 780, 20" Monitor         2010         5         6<									
2005 Toyota Tacoma 4x4       2012       5       4       0       \$21,574       \$0       \$1         2011 Polaris Ranger Crew 800EFI       2012       5       4       0       \$15,277       \$0       \$1         2013 Ford F250       2013       5       3       0       \$25,297       \$0       \$1         2013 Ford F150       2013       5       3       0       \$21,437       \$0       \$3         305 Cat Excavator       2014       5       2       1       \$18,500       \$11,100       \$3,700         Office Furniture and Equipment         Mom Software       1993       3       23       0       \$6,499       \$0       \$4         Board Room Furniture       2001       5       15       0       \$4,450       \$0       \$4         Carpet Office       2006       5       10       0       \$7,923       \$0       \$4         Dell Optiplex 780, 20" Monitor       2010       5       6       0       \$1,144       \$0       \$4         Dell Optiplex 780, 20" Monitor       2010       5       6       0       \$1,144       \$0       \$4         Dell Optiplex 780, 20" Monitor       2010       5		2014	5	2	1	\$6,434	\$3,860	\$1,287	
2011 Polaris Ranger Crew 800EFI       2012       5       4       0       \$15,277       \$0       \$1<		2012	-		0	624 574	ćo	ė.	
2013 Ford F250       2013 5       3       0       \$25,297       \$0       \$1         2013 Ford F150       2013 5       3       0       \$21,437       \$0       \$1         305 Cat Excavator       2014 5       2       1       \$18,500       \$11,100       \$3,700         Office Furniture and Equipment         Mom Software       1993 3       23       0       \$6,499       \$0       \$4         Board Room Furniture       2001 5       15       0       \$4,450       \$0       \$4         Carpet Office       2006 5       10       0       \$7,923       \$0       \$4         Dell Optiplex 780, 20" Monitor       2010 5       6       0       \$1,144       \$0       \$4         Dell Optiplex 780, 20" Monitor       2010 5       6       0       \$1,144       \$0       \$4         Dell Optiplex 780, 20" Monitor       2010 5       6       0       \$1,144       \$0       \$4         Dell Optiplex 780, 20" Monitor       2010 5       6       0       \$1,144       \$0       \$4         Dell Optiplex 780, 20" Monitor       2010 5       6       0       \$1,144       \$0       \$4         Dell PowerEdge T110 File Server 2008	-								
2013 Ford F150       2013 5       3       0       \$21,437       \$0       \$1         305 Cat Excavator       2014 5       2       1       \$18,500       \$11,100       \$3,700         Office Furniture and Equipment         Mom Software       1993 3       23       0       \$6,499       \$0       \$6         Board Room Furniture       2001 5       15       0       \$4,450       \$0       \$6         Carpet Office       2006 5       10       0       \$7,923       \$0       \$6         Dell Optiplex 780, 20" Monitor       2010 5       6       0       \$1,144       \$0       \$6         Dell Optiplex 780, 20" Monitor       2010 5       6       0       \$1,144       \$0       \$6         Dell Optiplex 780, 20" Monitor       2010 5       6       0       \$1,144       \$0       \$6         Dell Optiplex 780, 20" Monitor       2010 5       6       0       \$1,144       \$0       \$6         Dell PowerEdge T110 File Server 2008       2010 5       6       0       \$2,413       \$0       \$6         Mater and Sewer Assets Allocated       78% of shared assets       \$24,333       \$4,944       \$44,945	-								
305 Cat Excavator       2014       5       2       1       \$18,500       \$11,100       \$3,700         Office Furniture and Equipment         Mom Software       1993       3       23       0       \$6,499       \$0       \$6         Board Room Furniture       2001       5       15       0       \$4,450       \$0       \$6         Carpet Office       2006       5       10       0       \$7,923       \$0       \$6         Dell Optiplex 780, 20" Monitor       2010       5       6       0       \$1,144       \$0       \$6         Dell Optiplex 780, 20" Monitor       2010       5       6       0       \$1,144       \$0       \$6         Dell Optiplex 780, 20" Monitor       2010       5       6       0       \$1,144       \$0       \$6         Dell Optiplex 780, 20" Monitor       2010       5       6       0       \$1,144       \$0       \$6         Dell PowerEdge T110 File Server 2008       2010       5       6       0       \$2,413       \$0       \$6         Water and Sewer Assets       78% of shared assets       58       \$24,333       \$4,944       \$44,945									
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Dell Optiplex 780, 20" Monitor         2010         5         6         0         \$1,144         \$0         \$5           Dell Optiplex 780, 20" Monitor         2010         5         6         0         \$1,144         \$0         \$0           Dell Optiplex 780, 20" Monitor         2010         5         6         0         \$1,144         \$0         \$0           Dell PowerEdge T110 File Server 2008         2010         5         6         0         \$2,413         \$0         \$4           Total Shared Assets         \$31,197         \$6,331           Water and Sewer Assets Allocated         78% of shared assets         \$24,333         \$4,943	-								
Dell Optiplex 780, 20" Monitor         2010         5         6         0         \$1,144         \$0         \$6           Dell PowerEdge T110 File Server 2008         2010         5         6         0         \$2,413         \$0         \$4           Total Shared Assets         \$31,197         \$6,333         \$4,943 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>									
Dell PowerEdge T110 File Server 2008         2010         5         6         0         \$2,413         \$0         \$4           Total Shared Assets         \$31,197         \$6,333         \$4,943									
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Water and Sewer Assets Allocated78% of shared assets\$24,333\$4,943	-	2010	5	ь	U	\$2,413			
•		78% of shared a	issets						

Source: DSPUD.

exist depr

# Table A-6Donner Summit PUD 2018 Wastewater Rate StudySummary Estimated System Rehabilitation Funding Needs

Asset Type	2019	2020	2021	2022	2023
Wastewater Plant & Disposal	\$372,129	\$372,129	\$372,129	\$372,129	\$372,129
Sewer Collection	\$13,796	\$13,796	\$13,796	\$13,796	\$13,796
Vehicles and Equipment	\$4,941	\$4,941	\$4,941	\$4,941	\$4,941
Estimated Annual Depreciation	\$390,866	\$390,866	\$390,866	\$390,866	\$390,866
Percentage of Depreciation included in Rates	20%	20%	20%	20%	20%
System Rehabilitation Funding in Rates	\$78,173	\$78,173	\$78,173	\$78,173	\$78,173
DSPUD Share	\$49 <i>,</i> 368	\$49,368	\$49 <i>,</i> 368	\$49,368	\$49,368
SLCWD Share [1]	\$28,805	\$28,805	\$28,805	\$28,805	\$28,805

Source: Donner Summit PUD Audited Financial Statements 2017 and HEC.

tot depr

[1] SLCWD will not pay in these increments. It is assumed that SLCWD pays for 38.7% of capital improvements to the wastewater treatment plant and disposal facilities.

# Table A-7Donner Summit PUD 2018 Wastewater Rate StudySRF Loan Repayment Schedule for Project C-06-7670-210

	Payment	Beginning Balance	Principal Due	Interest Due	Total Payment	Ending Balance
Year	No.	[1]		[2]		
2018	4	\$15,742,478	\$601,122	\$118,069	\$719,191	\$15,141,355
2019	5	\$15,141,355	\$605,631	\$113,560	\$719,191	\$14,535,724
2020	6	\$14,535,724	\$610,173	\$109,018	\$719,191	\$13,925,551
2021	7	\$13,925,551	\$614,749	\$104,442	\$719,191	\$13,310,802
2022	8	\$13,310,802	\$619,360	\$99,831	\$719,191	\$12,691,442
2023	9	\$12,691,442	\$624,005	\$95,186	\$719,191	\$12,067,436
2024	10	\$12,067,436	\$628,685	\$90,506	\$719,191	\$11,438,751
2025	11	\$11,438,751	\$633 <i>,</i> 400	\$85,791	\$719,191	\$10,805,351
2026	12	\$10,805,351	\$638,151	\$81,040	\$719,191	\$10,167,200
2027	13	\$10,167,200	\$642,937	\$76,254	\$719,191	\$9,524,263
2028	14	\$9,524,263	\$647,759	\$71,432	\$719,191	\$8,876,504
2029	15	\$8,876,504	\$652,617	\$66,574	\$719,191	\$8,223,887
2030	16	\$8,223,887	\$657,512	\$61,679	\$719,191	\$7,566,375
2031	17	\$7,566,375	\$662,443	\$56,748	\$719,191	\$6,903,931
2032	18	\$6,903,931	\$667,412	\$51,779	\$719,191	\$6,236,520
2033	19	\$6,236,520	\$672,417	\$46,774	\$719,191	\$5,564,103
2034	20	\$5,564,103	\$677,460	\$41,731	\$719,191	\$4,886,643
2035	21	\$4,886,643	\$682,541	\$36,650	\$719,191	\$4,204,101
2036	22	\$4,204,101	\$687,660	\$31,531	\$719,191	\$3,516,441
2037	23	\$3,516,441	\$692,818	\$26,373	\$719,191	\$2,823,623
2038	24	\$2,823,623	\$698,014	\$21,177	\$719,191	\$2,125,609
2039	25	\$2,125,609	\$703,249	\$15,942	\$719,191	\$1,422,361
2040	26	\$1,422,361	\$708,523	\$10,668	\$719,191	\$713,837
2041	27	\$713,837	\$713,837	\$5,354	\$719,191	\$0
Total			\$15,742,478	\$1,518,107	\$17,260,585	

Source: Donner Summit Public Utilities District

[1] Draw Amount: 16,846,932

[2] Interest Rate: 0.75%

loan repay