TABLE 14
Burney Water District
Water Master Plan

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\$3.488	Existing Capacity Charge:	EXI			
834	0	Additional HEs			All costs in February 2014 dollars at an ENR index of 9681.
		\$10.16	Average Monthly Cost per HE:	Average Mon	10% 20012
		\$121.97	Average Yearly Cost per HE:	Average Y	
		2335	Number of Existing HEs:	Numb	
		\$8,544,000 \$284,800	ct Costs w/o Growth Components: Average Yearly Cost for 30 Years:	Total Cumulative Project Costs w/o Growth Components: Average Yearly Cost for 30 Years:	Total Cumulative
		\$9,188,000	\$6,774,000	\$3,319,000	Cumulative Project Costs:
\$644,000		\$2,414,000	\$3,455,000	\$3,319,000	TOTAL ESTIMATED PROJECT COSTS:
\$200,000		\$749,300	\$1,072,000	\$1,030,000	Contingency & Indirect Costs (45%):
\$444,000		\$1,665,000	\$2,383,000	\$2,289,000	TOTAL ESTIMATED CONSTRUCTION COSTS:
\$0		\$690,000	\$570,000	\$140,000	STORAGE IMPROVEMENTS SUBTOTAL:
\$0	0%			\$40,000	33 Demolish 0.4 MG concrete tank
\$0	0%		\$250,000		32 Timber Drive Tank recoating interior and exterior
\$0	0%		\$300,000		
\$0	0%	*000,000	\$20,000		30 Ivan Marx Tank fencing
3 5	D%	\$690,000		\$100,000	Mountain View Tank exterior recoat and interior touch-ups immediately, compete recoat in 30 years
\$21,000		\$80,000	\$170,000	\$635,000	WELL IMPROVEMENTS SUBTOTAL:
\$0	0%			\$60,000	28 SCADA hardware & software upgrade
\$0	0%			\$25,000	Misc improvements - bolt all wells to pedestals and balance, well sounder access, exterior lights, phone line, remove trees
\$0	0%		\$10,000		26 Upgrade Well No. 8 from oil lubed to water lubed
\$0	0%		\$50,000		Emergency generator at Well No. 6
\$0	0%			\$50,000	
\$0	0%		\$50,000		23 Rotork valve and piping at Well No. 7
\$20,800	26%	\$80,000			
30 1	0%		\$60,000		
\$0	0%			\$500,000	New well at Washburn Park with 300' of 12" main to Park Ave
\$0		\$0	\$0	\$270,000	BOOSTER PUMP STATION IMPROVEMENTS SUBTOTAL: WELL IMPROVEMENTS
\$0	0%			\$10,000	19 Manual transfer switch
\$0	0%			\$60,000	
\$0	0%			\$200,000	17 New pumps, valves, and electrical
					BOOSTER PUMP STATION IMPROVEMENTS
\$423,000		\$895,000	\$1,643,000	\$1,244,000	GENERAL WATER SYSTEM IMPROVEMENTS SUBTOTAL:
\$387,400	26%	\$745,000	\$745,000	\$745,000	Steel pipeline replacement at 2% (~1,060 LF) per year for 50 years
\$14,560	26%	\$28,000	\$28,000	\$28,000	15 Radio read meter replacement at 5% (~70 meters) per year
\$0	0%	\$40,000	\$122,000		13 with 12" (Pts. 21 to 22) 14 New fire hydrants - 7 complete
\$0	0%			\$52,000	₽ 8
\$0	0%			\$52,000	Replace 700' of (E) 1" and 1 1/2" steel mains on Cedar from
\$21.320	26%	\$82,000			<u>े</u> द्वा त्
\$0	U%		\$510,000		Program 1990 from Timber Drive Tank to Juniper with 10"
8 6	0%		\$37,000		
3	08/		\$37 DOD		
40	7%		\$105,000		
*0	7%		396 000		Replace 1,300' of (E) 6" on HWY 299 from Mountain View to Roff with 8" (Pts. 8 to 9)
\$0	0%			\$130,000	Replace 1,500' of (E) 6" on Tamarack Ave to Las Colinas 5 Trailer Park with 10" (Pts. 6 to 7)
\$0 \$0	0%			\$96,000	
9	000/			900 Z 32	
\$0	0%			\$22,000	Replace 300' of (E) 6" on HWY 299 from Elm to Cedar with 8" 2 (Pt. 3)
e 0	700			\$52 000	Replace 700' of (E) 6" on Toronto Ave with 8" (Pts. 1 to 2)
to Growth	-	(2032-2042)	(2022-2032)	(2012-2022)	GENERAL WATER SYSTEM IMPROVEMENTS
Cost Attributed	ited to	Long Term	Near Term I	Immediate Term	Item
		100	THE ATT OO		

TABLE 7
Burney Water District
Sewer Master Plan

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44,102	and the state of t						
\$7 782	uture Capacity Charge:	Total Futu					
\$1,651.48	Dapacity Charge per HE:	Additional Future Cap			ent after 60 years.	, er main replacem	co Co
1317	IEs Over Next 60 Years:	181				Based on a 1% annual growth rate.	B 5
		\$9.19	Average Monthly Cost per HE:	Average Mi			1
		\$110.24	Average Yearly Cost per HE:	Average			
		1538	Number of Existing Hes:	2			
		\$169,300	Number of Existing House	Overage real			
		\$10,173,000	Growth Components:	Projec	Total Cuthulative		
		\$12,348,000	\$9,462,000	\$6,526,000	\$3,133,000	Cumulative Project Costs:	T
\$2,175,000		\$2,886,000	\$2,936,000	\$3,393,000	\$3,133,000	TOTAL ESTIMATED PROJECT COSTS:	T
\$675,000		\$896,000	\$911,000	\$1,053,000	\$972,000	Contingency & Indirect Costs (45%):	T
\$1,500,000		\$1,990,000	\$2,025,000	\$2,340,000	\$2,161,000	TOTAL ESTIMATED CONSTRUCTION COSTS:	T
							T
\$787,000		\$520,000	\$290,000	\$1,540,000	\$1,310,000	WWTP IMPROVEMENTS SUBTOTAL:	I
\$4,600	46%		\$10,000			39 Replace Scum Pump	38
\$27,600	46%		\$60,000			38 Replace 2 RAS/WAS Pumps	38
\$138,000	46%	\$300,000				37 Replace MCC& Update Electrical, Complete	3
\$0	0%			\$10,000		_	36
\$115,000	46%			\$250,000		35 New Sludge Lagoon	پي
\$18,400	46%			\$20,000	\$20,000	34 Sludge Lagoon Aerators	ω
\$0	0%	\$200,000	\$200,000	\$100,000	\$370,000	33 Yearly Sludge Dredging	ယ္က
					\$50,000	32 Handrails/Walkways at Oxidation Ponds	ω
\$0	0%	\$20,000	\$20,000	\$10,000	\$10,000	31 Oxidation Pond Cleaning & Plowing	úч
\$115,000	46%			\$250,000		30 Rehab Existing Clarifier Mechanical, Complete	<u> </u>
\$0	0%				\$15,000	1	23
\$368,000	46%			\$800,000			21
\$0	0%				\$200,000		2
\$0	0%				\$30,000	15 Hp RAS/WAS	2
				\$100,000		updated electrical	22
					\$250,000	Replace brush aerator w/ floating aerators, complete w/	1
\$0	0%				\$25,000) N
\$0	0%				\$200,000		
\$0	0%				\$140,000	_	N
						_ 3	WW
\$713,000		\$1,470,000	\$1,735,000	\$800,000	\$851,000	GENERAL COLLECTION SYSTEM IMPROVEMENTS SUBTOTAL:	
\$32,200	46%	\$70,000				20 Replace Generator	V N
\$55,200	46%	\$120,000					
\$0	0%			\$10,000		Force Main Pigging	
\$0	0%			\$25,000		Byp	
\$36,800	46%				\$80,000		
\$0	0%				\$10,000	_	
\$0	0%				\$16,000	Ç0	
						-É	
\$36,800	46%		\$80,000			13 Replace 2 Centrifugal Pumps with Starters	
\$0	0%				\$5,000		L
\$0	0%			•	\$30,000	11 Pump Removal System	1_
\$0	0%				\$40,000	10 Portable Generator	T_
\$0	0%				\$10,000	9 Manual Transfer Switch	L
						BARTEL LIFT STATION IMPROVEMENTS	T
\$0	200	\$1,000,000	\$1,000,000	\$500,000	\$500,000	8 Aging Sewer Main Replacements (3)	
\$11,500	46%	\$25,000				with 8" (Pt.	
\$29,900	46%	\$65,000					_
\$87,400	46%	\$190,000				Parallel 1,500' of 8" Missouri Way & Grogan St Sewer with 8" (Pts. 7 to 8)	
\$94,300	46%		\$205,000			4 Parallel 900' of 15" Sewer Prior to Main LS with 18" (Pts. 5 to 6)	T.
\$207,000	46%		\$450,000			3 (b 5)	T
\$121,900	46%			\$265,000		2 Parallel 1,500' of 8" Park Ave Sewer with 8" (Pts. 2 to 3)	T
\$0	0%				\$160,000	1 Replace 700' of 8" Bartel St Sewer with 12" (Pts. 1 to 2)	
						GENERAL COLLECTION SYSTEM IMPROVEMENTS	<u>e</u>
Attributed to	% Attributed to	Long Term (2052-2072)	ear Term Term 122-2032) (2032-2052)	Near Term (2022-2032)	Term (2012-2022)	Item No.	
Cost			TED COST ⁽²⁾	ESTIMA	Immediate		
		GE DASIS	NIO & CAPACITY CHARG	MENIO & CAI	DIMPROVE	VEC CHIMENOE	Т