

**VENTURA RIVER WATER DISTRICT
CAPITAL IMPROVEMENT PLAN - JUNE 20, 2017**

INFLATION FACTOR: 1 2 3 4 5 6 7 8 9 10 11 12
1.03 1.06 1.09 1.13 1.16 1.19 1.23 1.27 1.30 1.34 1.38 1.43

Fiscal Year beginning July 1 ending June 30	2016 - 2017	2017 - 2018	2018 - 2019	2019 - 2020	2020 - 2021	2021 - 2022	2022 - 2023	2023 - 2024	2024 - 2025	2025 - 2026	2026 - 2027	2027 - 2028
WATER SYSTEM IMPROVEMENTS												
HYDRANT REPLACEMENT - 264 ea repl 10 per year	\$12,000	\$101,676	\$58,544	\$60,300	\$62,109	\$63,972	\$65,891	\$67,868	\$69,904	\$72,001	\$74,161	\$76,386
VALVE REPLACEMENT - 500 ea repl 10 per year until 2035, then 6 per year	\$0	\$156,454	\$80,574	\$82,991	\$85,481	\$88,045	\$90,687	\$93,407	\$96,210	\$99,096	\$102,069	\$105,131
VALLEY MEADOW REHAB (PHASE I) (800')			\$465,000									
VALLEY MEADOW REHAB (PHASE II) East of 2153 Valley Meadow Dr (1,800')				\$940,000								
RE-PLUMB ENCINO & THOMAS PRV VAULTS			\$110,147									
VONS TRACT UPGRADE (4,600')												
VENTURA AVE -VILLANOVA RD TO VONS TRACT (1,600')												\$684,365
MONTE VIA SYSTEM UPGRADE (Built in 1958, Should last 80 yrs or 2038, 3,000')												
FLOOD PROTECTION FOR BALDWIN SITE						\$334,335						
PRESSURE REDUCING STATION ENCINO AT THOMAS												
REPLACE/LINE AC PIPE, 27.5 MILES, Replace 1mile/yr starting in 2025 to 2050												
CHLORINE DILUTION TANK		\$13,276										
WARD WAY MAIN UPSIZE & HYD REPLACEMENT								\$90,257				
JONNY CASH WAY MAIN UPSIZE & HYD REPLACEMENT								\$144,412				
SANTA ANA BACK YARD MAIN RELOCATION (3,400')									\$1,143,044			
DEL VALLEY HYDRANT UPGRADE 130' OF 6" LINE						\$44,240						
LA CUMBRE HYDRANT UPGRADE 130' OF 6" LINE									\$48,342			
ROCKAWAY East & West (700')						\$238,213						
GRAPEVINE MAIN UPSIZE (1,800')									\$669,349			
CASITAS SPRINGS FIRE BOOSTER PUMP (when lake < elev 480 ± Not Scheduled)												
WELLS												
WELL # 1 - Drilled 1990, SS, 1/3 of Maintenance Cost							\$13,775					
WELL # 2 ABANDONMENT (Drilled 1958, Sleeved 1969 & 1991)				\$15,000								
WELL # 3 ABANDONMENT (Drilled 1969)				\$15,000								
WELL #4 - Maintenance							\$66,118					
WELL #6 Drill & Bring on Line (WELL # 5, Curtis)											\$542,620	
WELL #7 Drill & Bring on Line & Maintenance	\$702,000	\$200,000					\$13,775					
Minor Well Maintenance every 6 years, motor & panel, etc.												
Major Well Maintenance every 12 years												
New Well Screen												
SCADA SYSTEM												
SCADA SYSTEM UPGRADE							\$103,309					
TANKS												
BALDWIN TANK North, 1997, 184,000 Gal, 38.67' Dia 24.1' H REPLACE 2037			\$75,879						\$38,053			
BALDWIN TANK South, 2006, 184,000 Gal 39' Dia 24' H					\$33,810							
ALTO TANKS N & S 1998, 753,000 Gal 65.4 Dia X 32.17 H REPLACE 2038	\$12,000						\$261,717	\$113,219				
PARKER TANK, 2001, 529,000 Gal, 80.17' Dia x 16' H	\$48,451										\$220,149	
Paint Tank Outside every 10 yrs Beginning @ 15 yrs												
Coat Tank Inside every 25 years												
Add 2nd PARKER TANK, Phase I Berm, Phase II Tank					\$120,893			\$528,410				
Tank Inspection every 5 years			\$20,000				\$24,597					\$28,515
PUMPS												
BALDWIN BOOSTER STATION, Pump & Motor Rebuild (Tier 1&2 = 15%)						\$21,169	\$21,804					
PARKER BOOSTER STATION, 2001, Pump & Motor Rebuild (Tier 1&2 = 15%)		\$18,808			\$20,552							\$75,830
PARKER VFD to Zone 5		\$44,254										
Major Rehabilitation, 35 yrs (Tier 1&2 = 15%), soft starts good for 10 yrs ±												
MISCELLANEOUS												
Water Rate development by consultant (once every 10-years per Water Code)	\$50,000											\$69,212
Miscellaneous water system items per historical average	\$6,196	\$6,382	\$6,573	\$6,770	\$6,973	\$7,182	\$7,398	\$7,620	\$7,848	\$8,084	\$8,326	\$8,576
SUBTOTAL Water System Improvements	\$830,647	\$540,849	\$816,716	\$1,120,061	\$329,818	\$797,157	\$669,071	\$1,045,194	\$929,706	\$1,322,225	\$1,016,536	\$978,803
SHOP/MAINTENANCE EQUIPMENT												
Machines, Tools, Equipment, etc., Bumper Crane, Valve Turn Trailer, Pipe Locator	\$2,072	\$2,135	\$2,199	\$2,265	\$2,332	\$2,402	\$2,475	\$2,549	\$2,625	\$2,955	\$3,043	\$3,425
SUBTOTAL Shop/Equipment	\$2,072	\$2,135	\$2,199	\$2,265	\$2,332	\$2,402	\$2,475	\$2,549	\$2,625	\$2,955	\$3,043	\$3,425
OFFICE EQUIPMENT												
Machines, Computers, Copiers, etc.	\$5,186	\$5,342	\$5,502	\$5,667	\$5,837	\$6,012	\$6,192	\$6,378	\$6,570	\$7,394.07	\$7,615.89	\$8,571.75
Software,	\$6,844	\$7,050	\$7,261	\$7,479	\$7,703	\$7,934	\$8,173	\$8,418	\$8,670	\$9,758.41	\$10,051.16	\$11,312.67
SUBTOTAL Office Equipment	\$12,030	\$12,391	\$12,763	\$13,146	\$13,540	\$13,947	\$14,365	\$14,796	\$15,240	\$17,152	\$17,667	\$19,884
AUTO / EQUIPMENT REPLACEMENT												
FORD F-550, 2000 Dump Truck (Replace with a F-350 Utility Truck)		\$37,336										
FORD F-350, 2017												
FORD F-350, 2007 (Replace with an F-350 Utility Truck)			\$56,000									
FORD F-250, 2008						\$56,168						
FORD Explorer, 2002							\$41,324					
JEEP, Meter Reader, 1969, Right hand drive (Retire in 2024)	\$91,300											
BACKHOE, 2016												
SUBTOTAL Auto / Equipment	\$128,636	\$0	\$56,000	\$0	\$0	\$56,168	\$41,324	\$0	\$0	\$0	\$0	\$0
TOTAL ALL ABOVE ITEMS	\$973,386	\$555,375	\$887,678	\$1,135,472	\$345,691	\$869,674	\$727,234	\$1,062,538	\$947,571	\$1,342,332	\$1,037,247	\$1,002,113
10 Year Rolling Average	\$885,000	\$892,000	\$936,000	\$1,111,000	\$1,241,000	\$1,502,000	\$1,753,000	\$1,867,000	\$1,967,000	\$2,113,000	\$2,241,000	\$2,482,000
Revenues needed from surplus Operating Revenues each year:	\$876,732	\$883,484	\$927,228	\$1,101,965	\$1,231,694	\$1,492,415	\$1,743,128	\$1,856,831	\$1,956,526	\$2,101,961	\$2,229,630	\$2,469,998
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HIGH WATER DEMAND COST SHARE (Cost Class 1&2=126 gpm, CC 3&4=917 gpm)												
WELL #6 Drill & Bring on Line (WELL # 5, Curtis) Chrom 6 Testing & Well Design	\$0							\$11,020				\$0
WELL #1 - 80% of Maint cost (700 gpm/126 gpm use 80% to Cost Class 3&4)								\$66,118				
WELL #4 - 100% of Maintenance								\$13,775				
WELL #7 - 100% of Maintenance								\$19,623				
Baldwin Booster Station (1,887 gpm/126 gpm use 90% to Cost Class 3 & 4)						\$19,052	\$19,623					
Parker Booster Station (use same ratio as Baldwin 90% to Cost Class 3 & 4)		\$16,927			\$18,497							
Add 2nd PARKER TANK, Phase I Berm, Phase II Tank (100% to Cost Class 3 & 4)		\$0		\$0								
BALDWIN TANK North, (89% to Cost Class 3 & 4)			\$67,532						\$33,868			
BALDWIN TANK South, (89% to Cost Class 3 & 4)					\$30,091							
ALTO TANKS N & S, (64% to Cost Class 3 & 4)					\$167,499			\$72,460				
PARKER TANK, (64% to Cost Class 3 & 4)	\$31,009										\$140,895	
TOTAL High Demand Items	\$31,009	\$16,927	\$67,532	\$0	\$216,087	\$19,052	\$110,536	\$72,460	\$33,868	\$0	\$140,895	\$0
10 Year Rolling Average (Cost allocated to Upper Tiers)	\$57,000	\$68,000	\$67,000	\$71,000	\$71,000	\$50,000	\$52,000	\$46,000	\$42,000	\$43,000	\$51,000	
Costs allocated to all tiers & base rate:	\$828,000	\$824,000	\$869,000	\$1,040,000	\$1,170,000	\$1,452,000	\$1,701,000	\$1,821,000	\$1,925,000	\$2,070,000	\$2,190,000	
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