

		Bear Valley Water District				
		Five Year Capital Improvement & Replacement Plan				
		FY 13-14	FY 14-15	FY 15-16	FY 16-17	FY 17-18
Collections						
Main Pump Station						
Main Panel Upgrades				24,900		
Comminutor - Replacement - Muffin Monster					25000	
Motor Savers						5000
Telemetry						
LABR Pump Station						
Flow Meter - New FL 900	2750					
Flow Meter Sensor - 77065-030	1250					
USB Cable x2	60					
Spring Ring - 10" Pipe x 2	250					
Comminutor/Grinder Upgrades - Replacement						
Motor Savers						
New Phase Converter						8000
SCADA Telemetry						
Silver Tip Campground Flow Monitoring						
Flow Meter - New FL 900						
Flow Meter Sensor - 77065-030						
USB Cable, Batteries, etc						
Spring Ring - 10" Pipe x 2						
Chickaree Lift Station						
All Season Building						
Auto Dialer or Communication Device (Fox Sec)						
Hadronex Smart Cover Level Monitor			5500			
Bee Gulch						
Phone Line Trenching						
Auto Dialer						
Hadronex Smart Cover Level Monitor			5500			
Collection Lines & Mnaholes						
Sewer Camera	11000					
Sewer Camera Locator	2000					
Hadronex Smart Cover Level Monitor - Manhole E23						
GIS Database						20000
Hydrojetter						
Portable Jetter					50000	
Treatment						
Treatment Pond						
Aeration System Replacement / Upgrades						75000
Pond Access Flotation System				10000		
pH Probe - Treatment Pond Process Control						
YSI pH Probe					2500	
Probe Installation					3500	
TSS Probe - Treatment Process Control						9000
YSI TSS Probe				4000		
Probe Installation				3000		
Chlorination						
Chlorine Gas Detection	5000					
Chlorine Gas Detection Elec Installation	500					
Switchover System - Additional Components	700					
SCATA - PLC Upgrades						
Transfer Pump Automation - Inc Auto CL2 & Ballast Feed			7500			
Manual Time of Day Aeration/Mixing Programming				20000		
Treatment Pond Volume Programming				2000		
Treatment Pond Volume Programming				600		
Aeration Blowers & Dissolved Oxygen Level Monitoring						
New Industrial Blower Package			25000			
Blower Install, Tax, Materials, Per Diem				9000		
DO Probe + Installation			8000			
Disposal & Capacity						

Paco Tranfer Pump - Spare			2000		
Surface Water Discharge Sytem					
Test - Recirculation System Installation		17000			
Permanent Recirculation System Installation		17000			
Engineering & Technical Support for System Design & Testing		6000			
pH Probe - Bloods Creek Process Control					9000
SCATA- PLC Programming Upgrades					
Surface Water Discharge Valve Control Programming			4000		
Irrigation Pump Control Programming			3500		
Bloods Creek Hydrology					
Auto Transfer 100 KW Generator					50000
	2000				
Irrigation Pumps	2000				
Pump Line Capacity Exploration					
Motor Savers (2)					
Current Transformers (2)		16000			
New Irrigation Pump		7000			
Pump Installation					
Clay Valve + Install		10000			
New Soft Start Control Panel & Installation					
VFD - Irrigation Pump 1					6000
VFD - Irrigation Pump 2					6000
Land Disposal Discharge System					
Sprayfield Replacement & Expansion - \$3500 x 2					
Green Machine Replacement (58 pcs per bundle)			3500		
Field 8 Expansion (58 pcs per bundle)				3500	
12" Irrigation/Outfall Valve Replacement					6000
Ballast Pond Telemetry				15000	
Capacity					
Reservoir	6500				
Aerial Survey	2000				
AS Related Engineering	1000				
Staff Gauge					
Diversion	5500				
Flow Meter - New FL 900 X 2	2500				
Flow Meter Sensor - 77065-030 x2	120				
USB Cable x2	500				
Spring Ring - 10" Pipe x 2	1500				
Laptop for Remote Programming x 2					
Safety					
SCBA - Self Contained Breathing Apparatus - 30 Min					
Addl 30 Min SCBA Cylinder					
Altair 5x Portable Multi Gas Detector (x2)					
Gas Detector - \$1874 each					
Calibration Gas - 38 Ltr \$256 each					
Regulator					
Admin					
Re-Carpeting				3500	
Master Station Telemetry					
Phone System					
Back Up Power - Generator Transfer Switch			1800		
Asset Data Mgt Software - CMMS			5000		
	\$47,130.00	\$133,500.00	\$84,300.00	\$103,000.00	\$194,000.00
Totals					