

Sunnyslope County Water District

Budget FY 2021-22



	Jul '20 - Jun 21	Jul '21 - Jun 22	Budget Impact - Favorable / (Unfavorable)
Revenue			
Water Sales	\$ 6,600,000	\$ 6,700,000	\$ 100,000
Sewer Sales	1,900,000	2,016,000	116,000
Installation & Inspection Fees	80,050	-	(80,050)
<i>Contracted Service Agreements:</i>			
Lessalt	1,077,730	1,068,840	(8,890)
West Hills	1,573,700	1,723,896	150,196
San Benito Foods	-	393,852	393,852
COH Billing	147,000	156,000	9,000
Other Fees	146,100	6,000	(140,100)
Total Revenue	\$ 11,524,580	\$ 12,064,588	\$ 540,008

Sunnyslope County Water District

Budget FY 2021-22



Expenses

	Jul '20 - Jun 21	Jul '21 - Jun 22	Budget Impact - Favorable / (Unfavorable)
Salaries & Benefits	3,328,929	3,759,979	(431,050)
<i>Contracted Service Agreements:</i>			
Chemicals	780,000	830,000	(50,000)
Other Costs for O&M Agreements	1,476,200	1,605,931	(129,731)
Water Supply	4,310,949	4,519,223	(208,274)
Water Conservation	152,000	118,550	33,450
<i>Other Operating Expenses:</i>			
Electrical	222,100	330,000	(107,900)
Facility Repairs, Vehicle Maintenance & Supplies	232,700	279,770	(47,070)
Other Administrative Expenses	165,318	76,448	88,870
Interest	307,800	271,826	35,974
Depreciation	1,391,600	1,516,866	(125,266)
Total Expenses	12,367,596	13,308,593	(940,997)
Net Income	\$ (843,016)	\$ (1,244,005)	\$ (400,989)
Adjustment for Depreciation (Cash Basis)	1,391,600.00	1,516,866.00	125,266.00
Increase in Cash Position	\$ 548,584	\$ 272,861	\$ (275,723)



Sunnyslope Water District

FY 2021-22 Projected Reserves and Restricted Cash:

RATE PAYERS:

EARTHQUAKE & EMERGENCY RESERVE	1,000,000
RATE STABILIZATION RESERVE	750,000
DROUGHT CONTINGENCY RESEVE	400,000

EMPLOYEES:

CEPPT TRUST - RESTRICTED CASH	\$ 1,000,000
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CAPITAL:

Cash Restricted to Capital @ July 1, 2021:

Water Capacity Fee Balance	\$ 5,321,706
Sewer Capacity Fee Balance	21,125
Capital Improvement Reserve Fund	1,709,419
Vehicle Replacement Fund	193,177
Emergency Equipment Replacement Fund	100,000
Office and Misc. Equipment Replacement Fund	269,414
Total Projected Cash Restricted to Capital	\$ 7,614,841

Total Five Year Capital Plan	\$ 6,461,000
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Projected Balance available after 5 years	\$ 1,153,841
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Sunnyslope Water District

FY 2021-22 Projected Reserves and Restricted Cash:

DEBT:

RESTRICTED BY DEBT COVENANT	760,000
DEBT SERVICE RESERVE	4,482,524
(Loan Payoff+ & 1 Year of Principle and Interest) {a}	

+ Paying off the City National Loan saves the District \$353,637 in Interest over the next 8 years

{a} Long Term Debt Burden:

Debt Obligation (Without City National Loan)	Balance at 7/1/2021	Year Paid Off
SBCWD TRANCHE 1	\$ 5,537,491	2043
SBCWD TRANCHE 2	6,558,670	2035
SBCWD TRANCHE 3	1,374,858	2031
SRF Loan	7,748,648	2033
 Total Long Term Debt Burden	 \$ 21,219,667	

July 1, 2021 Cash Summary

Restricted Cash	16,007,365
Unrestricted	674,471
 Total Projected Cash July 1, 2021	 16,681,836

Lessalt Water Treatment Plant
Operations and Maintenance Budget for
July 1, 2021 to June 30, 2022 (FY 2021-22)

ACCT.#	DESCRIPTION	2020 / 21 Approved BUDGET	2020 / 21 Year-to-Date Mar. 2021 (9-mos.)	2020 / 21 PROJECTED (12-mos.)	2021 / 22 Proposed BUDGET
* OPERATING EXPENSES *					
661.01	Telephone	\$ 2,800	\$ 2,293	\$ 2,800	\$ 2,800
661.02	Contract/Professional Services (Calcon, Razzolink, BKP) (2)	26,000	1,184	11,184	25,000
661.03	Office Supplies/Shop Supplies	700	1,147	1,529	700
661.04	Repairs & Maintenance - Operations (3)	50,000	56,217	60,000	50,000
661.05	Professional Development (4)	500	1,107	1,476	2,000
661.06	Chemicals, Lab Supplies	8,000	4,512	6,016	8,000
661.07	GAC Filter Media Replacement (5)	490,000	290,412	390,412	420,000
661.08	Environmental (Quality) Monitoring - Operations	30,000	16,141	21,521	22,000
661.09	Dues, Fees, Permits	-	807	1,076	1,500
661.10	Chlorine & Other Treatment Chemicals	80,000	52,771	70,361	80,000
661.12	Chemical Removal Costs	-	-	-	-
661.90	Capital Assets - Equipment Purchased (6)	-	-	-	18,000
SUBTOTAL		688,000	426,591	566,376	630,000
* LABOR AND OVERHEAD EXPENSES *					
			Feb. 2021 (8-mos.)		
OPERATOR LABOR & BENEFITS (342 hrs/mo. or 4,108 hrs/year) (1)		272,000	255,384	383,076	429,771
MANAGEMENT OVERHEAD PASS THRU (5 hrs/mo or 60 hrs/year)		3,700	2,492	3,738	4,074
VEHICLE OPERATION PASS THRU (7)		12,000	-	12,000	5,000
* TOTAL OPERATING, LABOR, AND OVERHEAD EXPENSES *		\$ 975,700	684,467	965,190	\$ 1,068,845
		<u>/ 12</u>			<u>/ 12</u>
Bill Monthly:		\$ 81,308			\$ 89,070
To Be Paid from Reserves:					
661.90	Capital Assets - Equipment Purchased (4)	-	-	-	-

9%

NOTES:

- (1) Based on Operator hours required in 20/21. Hours required at Lessalt plant decreased for time plant will be offline to maximize operations at Westhills.
- (2) Hach Meter Calibration Materials, \$12,000 Suez Factory Calibration of TLC Analyzers, First Trust Alarm, \$10,000 Push Forward ArchFlash Study of MCCs.
- (3) Expenditures this year included the unexpected broken Ferric line. Next year is anticipated Adjustment of Switchgear and equipment painting.
- (4) Electrical/ArcFlash Training
- (5) GAC costs assume regenerated material at \$50,000 per filter (8 anticipated exchanges).
- (6) Purchase of Replacement Turbidity Analyzers and s200 Controllers
- (7) Vehicle budgeting is reduced based on anticipated reduction in truck use.

West Hills Water Treatment Plant

Operations and Maintenance Budget for July 1, 2021 to June 30, 2022 (FY 2021-22)

ACCT.#	DESCRIPTION	2020 / 21 Approved BUDGET	2020 / 21 Year-to-Date Mar. 2021 (9-mos.)	2020 / 21 PROJECTED (12-mos.)	2021 / 22 Proposed BUDGET
* OPERATING EXPENSES *					
662.01	Telephone	\$ 750	\$ 371	\$ 495	\$ 750
662.02	Contract/Professional Services (Hach, Suez, Beecher, First Trust Alarm, BKP) (2)	45,000	4,869	21,492	45,000
662.03	Office Supplies / Shop Supplies	1,200	1,120	1,493	1,200
662.04	Repairs & Maintenance - Operations (3)	75,000	38,349	61,132	55,000
662.05	Professional Development	5,500	-	-	5,500
662.06	Chemicals, Lab Supplies	15,000	11,157	14,876	15,000
662.07	Powdered Activated Carbon (4)	250,000	113,279	233,279	200,000
662.08	Environmental (Quality) Monitoring - Operations (5)	30,000	21,653	28,871	30,000
662.09	Dues, Fees, Permits	-	-	-	-
662.10	Chlorine & Other Treatment Chemicals (6)	700,000	567,044	756,059	750,000
662.11	Sludge Removal Costs	10,000	18,692	24,923	25,000
662.12	Chemical Removal Costs	-	-	-	-
662.90	Capital Assets - Equipment Purchased (7)	5,000	-	-	35,000
SUBTOTAL		1,137,450	776,534	1,142,619	1,162,450
* LABOR AND OVERHEAD EXPENSES *					
			<i>Feb. 2021 (8-mos.)</i>		
	OPERATOR LABOR & BENEFITS (542 hrs/mo. or 6,504 hrs/year) (1)	413,250	294,636	441,954	550,811
	MANAGEMENT OVERHEAD PASS THRU (6 hrs/mo or 72 hrs/year)	5,000	3,472	5,208	5,635
	VEHICLE OPERATION PASS THRU (8)	18,000	-	18,000	5,000
* TOTAL OPERATING, LABOR, AND OVERHEAD EXPENSES *		\$ 1,573,700	\$ 1,074,642	\$ 1,607,781	\$ 1,723,896
		<u>12</u>			<u>12</u>
Bill Monthly:		\$ 131,142			\$ 143,658

8.71%

NOTES:

- (1) Operator and Maintenance hours based prior year values.
- (2) Hach Meter Calibration Materials, \$18,000 Suez Factory Calibration of TLC Analyzers, First Trust Alarm, \$20,000 Push Forward ArchFlash Study of MCCs.
- (3) Cleaning to be completed in June 2021, adjustment of MCC per Arch Flash Study
- (4) Expected one final exchange prior to end of year, if it occurs in 2022 then \$60,000 will push to following fiscal year.
- (5) Outside Laboratory Testing and Monitoring.
- (6) Chemicals expenditure based on operational experience. Water Production anticipated to Increase at West Hills and Decrease at Lessalt Causing Budget Shift to WH.
- (7) \$10,000 Replacment of Sodium Hydroxide Tank with Larger Tank, \$25,000 Upgrade of Turbidity Analyzers.
- (8) Vehicle budgeting is reduced based on anticipated reducion in truck use.

**SUNNYSLOPE COUNTY WATER DISTRICT MAINTENANCE PROJECTS
5 YEAR OUTLAY**

Project #	PROJECT	21/22	22/23	23/24	24/25	25/26	Department WW/WT/WD
1	GAC Exchange	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	WT
2	PAC Exchange	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	WT
3	Inspection Dive Ridgemark Tanks & Fairview Tanks	\$8,000				\$8,000	WD
	Inspection Dive Lessalt Treated Water Tank	\$2,000				\$2,000	WT
	Inspection Dive West Hills Treated Water Tank	\$2,000				\$2,000	WT
4	Wastewater Facilities ArchFlash Study	\$15,000					WW
5	Lessalt ArchFlash Study	\$15,000					WT
6	Wells ArchFlash Study	\$40,000					WD
7	Lessalt Membrane Replacement	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	WT
8	Clean HVAC Ducts at District Office - unsure of cost	\$3,000				\$3,000	WD
9	Weed abatement	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	WD
10	Hazardous Material disposal	\$25,000		\$25,000			WT
11	Suez Instrumentation TOC Annual Maintenance	\$16,000	\$16,000	\$16,000	\$16,000	\$16,000	WT
12	W#t#310035 Modules sleeves	\$15,000	\$10,000	\$15,000	\$10,000	\$15,000	WT
13	Rosemount 8712E Magnetic Flow meter Transmitter	\$10,000		\$10,000		\$10,000	WT
14	Rosemount 8705 Flanged Magnetic Flow Meter	\$8,000		\$8,000			WT
15	Digital ph Sensor S# 2102446358 (4 probes)	\$8,000	\$8,000	\$8,000	\$8,000	\$8,000	WT
16	Analyzer calibration	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	WT
17	Repair Outlet leak on 1.0 MG Ridgemark Tank	\$30,000					WD
18							
19							
20							
	ANNUAL TOTALS	\$899,500	\$736,500	\$784,500	\$736,500	\$766,500	
	SEWER TREATMENT & COLLECTIONS	\$15,000	\$0	\$0	\$0	\$0	
	WATER TREATMENT	\$801,000	\$734,000	\$782,000	\$734,000	\$753,000	
	WELLS & DISTRIBUTION	\$83,500	\$2,500	\$2,500	\$2,500	\$13,500	
	SSCWD COST	\$499,000	\$369,500	\$393,500	\$369,500	\$390,000	

SUNNYSLOPE COUNTY WATER DISTRICT CAPITAL IMPROVEMENT PROJECTS
2021/22 thru 2025/26
5 YEAR OUTLAY

FY

CIP #	Project	Department	21/22	22/23	23/24	24/25	25/26	Unsched
CIP 1	North County Groundwater Bank Feasibility Study	WT	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000		
CIP 2	North County Groundwater Bank Phase 1	WT		\$ 2,500,000	\$ 2,500,000			
CIP 3	Union Road Pressure Reducing Station SCADA	WD	\$ 30,000					
CIP 4	New Enterprise Booster Station	WD		\$ 1,000,000				
CIP 5	Upgrade Airline Highway Booster Station SCADA	WD			\$ 50,000			
CIP 6	Well 5 Irrigation System Supply	WD	\$ 500,000					
CIP 7	Irrigation System Main in Fairview	WD		\$ 180,000				
CIP 8	Rehabilitate 2.0 MG Fairview Tank	WD				\$ 1,000,000		
CIP 9	SCADA at Quail Hollow PRVs	WD		\$ 150,000				
CIP 10	Well 8 Irrigation System Supply	WD					\$ 500,000	
CIP 11	Hollister Urban Area Master Plan Update	WT	\$ 75,000					
CIP 12	Replace 12" Pipe from Ridgemark Tanks to Georges	WD			\$ 150,000			
CIP 13	Upsize water main from Well 2 to Airline Hwy	WD					\$ 166,000	
CIP 14	New Enterprise Lift Station (replace Oak Canyon)	WW						\$ 100,000
CIP 15	New Airline/Ridgemark Dr. Lift Station (replace Paullus)	WW				\$ 150,000		
CIP 16	Upsize Marks Sewer with Promontory Dev	WW						\$ 200,000
CIP 17	New Gravity Sewer from Main Lift to Vista del Calabria	WW				\$ 625,000		
CIP 18	New Gravity Sewer Everest toward Main Lift	WW				\$ 80,000		
CIP 19	Connection to City Sewer via Lico North	WW				\$ 420,000		
CIP 20	Ridgemark Golf Course Sewer Upsizing	WW					\$ 50,000	
CIP 21	Upsizing City Sewer Mains Union/Southside to City WWTP	WW				\$ 1,000,000		
CIP 22	Manhole and Sewer Main Repair/Replace from CCTV Inspection	WW	\$ 50,000	\$ 50,000	\$ 50,000			
CIP 23	Water Meter AMI Radio Network and Upgrades	WD	\$ 320,000	\$ 250,000				
CIP 24	Pond 6 Lift Station Wet Well, Pump, Electrical	WW	\$ 50,000					
CIP 25	Well 2 VFD Electrical Rewiring	WD	\$ 25,000					
CIP 26	Conduit to DO Sensors at SBR	WW	\$ 25,000					
CIP 27	Update Water System Model for Fire Flows	WD			\$ 10,000			
CIP 28	Water Main Upgrades for Fire Flows	WD				\$ 50,000	\$ 50,000	
CIP 29	Convert Water Distribution SCADA from Wonderware to Ignition	WD			\$ 37,500	\$ 37,500		
CIP 30	Convert Lessalt SCADA from Wonderware to Ignition	WT			\$ 37,500	\$ 37,500		
CIP 31	Convert West Hills SCADA from Wonderware to Ignition	WT			\$ 37,500	\$ 37,500		
CIP 32	Convert Wastewater SCADA from Wonderware to Ignition	WW			\$ 37,500	\$ 37,500		
CIP 33	Replace Cathodic Protection Anodes in Water Tanks	WD					\$ 30,000	
CIP 34	Lessalt Upgrade Turbidity Analyzers	WT	\$ 30,600					
CIP 35	Connect Fairview Tank Solar to Grid through Meter	WD	\$ 15,000					
CIP 36	6,500 gallon Sodium Hydroxide tank	WT	\$ 25,000					
CIP 37	sc200 Universal Controller (4)	WD	\$ 9,088					
CIP 38	Westhills Upgrade Turbidity Analyzers	WT	\$ 17,500					
CIP 39								
ANNUAL TOTAL			\$ 1,105,000	\$ 4,160,000	\$ 2,940,000	\$ 3,505,000	\$ 796,000	\$ 300,000
	SEWER TREATMENT & COLLECTIONS (WW)		\$125,000	\$50,000	\$87,500	\$2,312,500	\$50,000	\$300,000
	WELLS & DISTRIBUTION (WD)		\$899,088	\$1,580,000	\$247,500	\$1,087,500	\$746,000	\$0
	WATER TREATMENT (WT)		\$178,100	\$2,530,000	\$2,605,000	\$105,000	\$0	\$0
SSCWD BUDGET			\$1,113,138	\$2,895,000	\$1,637,500	\$3,452,500	\$796,000	\$300,000

FY 2021-22 Budget
SUNNYSLOPE COUNTY WATER DISTRICT

Project Name: North County Groundwater Bank Feasibility Study	Contact: Hillebrecht
Dept: WHWTP	Type: Study
Total Cost: \$ 120,000	Useful Life: 5 years
CY Budget: \$ 30,000	Category: Capital Improvement
Account:	Urgency: 3 = Important
Total spent to date: \$ -	Carry Forward: No

Description

In partnership with SBCWD and the City of Hollister, Sunnyslope committed to investigate the feasibility of creating a groundwater bank in northern San Benito County. Conceptually, wells would be drilled groundwater would be pumped from areas north of the Hollister airport, along northern Fairview Rd., and around the Pacheco creek. This water would go into the Hollister Conduit, blend with surface water, and supply Lessalt and West Hills. As the groundwater level there drops, it would create storage space. During wet years, surface water could be percolated into that part of the basin and then pumped out in dry years. Total Study cost is \$340,000 with Sunnyslope's share being \$148,000. The City pays the higher portion for the fire flow aspects.

Justification

As demands increase with growth, additional surface water will be needed to maintain the desired water quality parameters for hardness and TDS. The HUAMP showed this to be one of the most cost effective ways of getting more water. The water would be fully controlled by SBCWD and not dependent on State or other agencies. It would help solve high groundwater issues around Pacheco creek. It provides resilient water supply for dry years. The Board has already committed to this feasibility study MOU in October 2019 meeting.

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ -	\$ -	\$ 150,000

Funding Source

SBCWD is recovering Sunnyslope's share of the costs (\$148,000) by adding it into the charges for water supply over the 5 years from 2020-2025 according to Oct. 2019 Board Staff Report.

Operational Budget Impact/Other								
Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FY 2021-22 Budget
SUNNYSLOPE COUNTY WATER DISTRICT

Project Name: Union Road Pressure Reducing Station SCADA	Contact: Hillebrecht
Dept: DISTRIBUTION	Type: SCADA
Total Cost: \$ 30,000	Useful Life: 10 years
CY Budget: \$ 30,000	Category: Capital Improvement
Account:	Urgency: 3 = Important
Total spent to date: \$ -	Carry Forward:

Description

As part of the West of Fairview Phase 1A development project, Sunnyslope required the developer to install a new Pressure Reducing Station at the intersection of Union Rd. and Mimosa Dr. All the physical equipment for the PRV was supplied by the developer, but SCADA control is to be paid for by Sunnyslope. This station allows for water to move from the High Zone in Mimosa to the Middle Zone in Union. It is anticipated Sunnyslope will hire Calcon to build and connect the PLC and new radio to Sunnyslope's existing SCADA. Price estimate is loosely based on previous quotes for similar SCADA work for the Crosstown Pipeline. (Tesco quoted about \$30K for a similar amount of work though Calcon generally has better prices than Tesco)

Justification

The PRV station is already built by the contractor, but to better operate the PRV station staff need to see the data from various instruments and be able to remotely control the flow going through the station. This has long been a project in the works. It will improve fire flows on Calistoga Dr. by providing another "water source" to the Middle Zone in that area.

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
		\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000

Funding Source

This should be able to be paid with Capacity Fees as the PRV adds an additional water supply to the Middle Zone by having another connection between it and the High Zone. That is key for peak fire flows that new developments (such as Sunnyside Estates, Bennett Ranch, and Twin Oaks) add to.

Operational Budget Impact/Other

Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FY 2021-22 Budget
SUNNYSLOPE COUNTY WATER DISTRICT

Project Name: **New Enterprise Booster Station**
 Dept: DISTRIBUTION
 Total Cost: \$ 1,000,000
 CY Budget: \$ -
 Account:
 Total spent to date: \$ -

Contact: Hillebrecht
 Type: Pump Stations
 Useful Life: 40 years
 Category: Capital Improvement
 Urgency: 3 = Important
 Carry Forward:

Description

As a part of the Vista del Calabria development, Sunnyslope plans to negotiate for the developer to construct a new booster pump station at our Well 7 site that could move water between the Middle Zone and High Zone. The pump station would be designed with a maximum capacity of 2 MGD (1,400gpm). Price estimate is based off the Crosstown Pipeline booster station which most bidders priced between \$2.0-2.5M. However this station will be about half the flow capacity and double the lift. More importantly, since the developer is building it and then gifting it to SSCWD, they do not need to pay prevailing wage. Everything for the project would stay on SSCWD property and fall under the development CEQA document.

Justification

This booster station would allow for West Hills surface water to be moved into the High Zone, especially the Ridgemark area where Sunnyslope provides sewer service. That could make it possible for Sunnyslope to shut down Lessalt at times while still giving softer surface water to our sewer customers. It would also give additional supply to the High Zone in case of an emergency where Lessalt and our Wells can't keep up with demand from fire flows or breaks. It also would ensure the Ridgemark Tanks are primarily filled with surface water rather than with well water.

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
		\$ -	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000

Funding Source

This project would be funded through a Capacity Fee credit with the developer. Sunnyslope and the developer would negotiate what the cost of the pump station is and agree to the credit. (Vista del Calabria capacity fees will probably be about \$1.8M) If costs exceeded their Capacity Fees, Sunnyslope would pay the rest with capacity fees from other developments.

Operational Budget Impact/Other

Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FY 2021-22 Budget
SUNNYSLOPE COUNTY WATER DISTRICT

Project Name: Upgrade Airline Highway Booster Station SCADA	Contact: Hillebrecht
Dept: DISTRIBUTION	Type: SCADA
Total Cost: \$ 50,000	Useful Life: 10 years
CY Budget: \$ -	Category: Capital Improvement
Account:	Urgency: 4 = Less Important
Total spent to date: \$ -	Carry Forward:

Description

Sunnyslope has an existing booster station at Airline Highway near Enterprise Rd. in the County right of way. It is capable of pumping about 300gpm from the Middle Zone into the High Zone. However, this booster does not have SCADA control or communication so staff are hesitant to run it for anything except exercising while someone is present to watch and observe it. This project would install SCADA, new instruments, and radio communication.

Justification

We already have the booster station in place, but because it is not connected to our SCADA system, staff are very hesitant to use it without someone there watching. This effectively makes the booster station worthless as it is not trusted. With the SCADA, staff could observe and control it remotely. It could come on if High Zone pressure drops too low from fire flows or leaks to supplement that Zone. If Lessalt is down, this could help provide surface water from West Hills so that Ridgemark is not ONLY getting well water.

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
		\$ -	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ 50,000

Funding Source

We could use Capacity Fees to pay for this as it gives an additional supply source for the High Zone for fire flows or main breaks. The growth on this Zone increases the chance of fire or break, necessitating projects like this.

Operational Budget Impact/Other

Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FY 2021-22 Budget
SUNNSYSLOPE COUNTY WATER DISTRICT

Project Name: **Well 5 Irrigation System Supply**
 Dept: DISTRIBUTION
 Total Cost: \$ 500,000
 CY Budget: \$ 500,000
 Account:
 Total spent to date: \$ -

Contact: Hillebrecht
 Type: CIP
 Useful Life: 40 years
 Category: Capital Improvement
 Urgency: 2 = Very Important
 Carry Forward:

Description

Sunnyslope's Well 5 located on Tyler Ct. in Ridgemark is to be connected to an isolated Irrigation System that will run primarily down Fairview Rd. to supply irrigation water to large public landscape areas like parks, schools, and roadside landscaping. A design contract with Schaaf & Wheeler was entered into in Dec. 2020 for \$130,000. This included surveying, geotech, system modeling, and civil/structural engineering. Well 5 will get a new VFD, a large pressure tank to control the Irrigation System, a automated valve to open between the Irrigation System and the Domestic High Zone, and new SCADA controls for the Irrigation System. The Irrigation System would also supply construction water to developments near or adjacent to it as they develop. Eventually, this system could be used to double plumb individual homes so their landscape irrigation is on a different meter and system than their internal domestic water in their house. All the water in this Irrigation System would remain completely potable and still be tested and chlorinated.

Justification

Surface water from SBCWD is limited in supply and costs significantly more to treat than well water. Thus, we want to preserve as much of the surface water as we can for inside domestic use. By sending only well water directly for irrigation or construction, we are able to send more surface water to domestic use. Also, it will improve the domestic water quality right around Well 5 since it would "exercise" into the Irrigation System rather than into the domestic system.

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
		\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000

Funding Source

This could be funded with Capacity Fees since it is for increasing the longterm water supply by removing large users from the domestic water system.

Operational Budget Impact/Other

Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FY 2021-22 Budget
SUNNSYSLOPE COUNTY WATER DISTRICT

Project Name: **Irrigation System Main in Fairview**
 Dept: DISTRIBUTION
 Total Cost: \$ 180,000
 CY Budget: \$ -
 Account:
 Total spent to date: \$ -

Contact: Hillebrecht
 Type: Pipeline
 Useful Life: 50 years
 Category: Capital Improvement
 Urgency: 3 = Important
 Carry Forward:

Description

During the West of Fairview Phase 2, Sunnyslope will require that the developer install a 12" pipeline in Fairview Rd. from the northern end of their development to the southern end of Santana Ranch. Here there is an existing 12" pipeline for their Irrigation System. With this pipeline, Santana Ranch would be connected to the Irrigation System and all their landscape demands could be met solely by Well 5 and the Irrigation System. Approximately 1,800 LF of pipe would be installed in a high traffic existing road that already has quite a few utilities in it. Assuming \$100/LF for the project cost.

Justification

The Santana Ranch development has already installed water lines for the Irrigation System through parts of their development with services off of it to parks, school irrigation, and roadside landscaping. However since that system is not yet connected to the rest of the Irrigation System, it is all Lessalt water that serves those landscapes. With this project, Santana Ranch would be connected to Well 5 and solely well water could be used to supply the landscaping and construction water demands.

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
		\$ -	\$ 180,000	\$ -	\$ -	\$ -	\$ -	\$ 180,000

Funding Source

It is anticipated that the funding for this project will be through a Capacity Fee credit agreement that would be negotiated with the West of Fairview Phase 2 developer.

Operational Budget Impact/Other

Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FY 2021-22 Budget
SUNNYSLOPE COUNTY WATER DISTRICT

Project Name: **Rehabilitate 2.0 MG Fairview Tank**

Contact: Hillebrecht

Dept: DISTRIBUTION

Type: Water Storage

Total Cost: \$ 1,000,000

Useful Life: 50 years

CY Budget: \$ -

Category: Capital Improvement

Account:

Urgency: 3 = Important

Total spent to date: \$ -

Carry Forward:

Description

In 2015, the City of Hollister gifted to Sunnyslope the 2.0 Million Gallon Fairview Tank. The steel tank was build in 1962 and very little work had been done on it. After Sunnyslope completed the Tank Rehabilitation project in 2015, this tank was drained and taken off line. During the warranty inspection for the 3.5 MG tank, the engineer from Harper and Associates (tank rehab consultant) quickly looked inside the 2.0 MG tank and estimated that it would take about \$1,000,000 to fully rehabilitate that tank so that it could be safely put into service. It would need a seismic and structural evaluation along with full blasting and recoating of the inside. New safety features for the exterior and interior would be needed. There is likely lead in the paint at least for the exterior of the tank.

Justification

Currently Sunnyslope only has the 3.5 MG tank active for the Middle Zone. While this does currently provide plenty of storage for normal operation, emergency, and fire flow, it also leaves the District vulnerable if anything happened to that tank. Especially if the tank needed to be fully drained due to some sort of contamination, it would be quite difficult to operate without a tank on the Middle Zone. Having more storage could also allow more flexibility to only run our wells during off-peak electricity demand times.

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
		\$ -	\$ -	\$ -	\$ 1,000,000	\$ -	\$ -	\$ 1,000,000

Funding Source

Some of the funding for this could come from Capacity Fees as the additional storage would help provide resilience and capacity for the Middle Zone. However it may be difficult to argue that all of the cost can be borne by Capacity Fees as much of the benefit would also be for existing customers. Thus a portion may come from Capital Reserves.

Operational Budget Impact/Other

Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FY 2021-22 Budget
SUNNSYSLOPE COUNTY WATER DISTRICT

Project Name: **SCADA at Quail Hollow PRVs**
 Dept: DISTRIBUTION
 Total Cost: \$ 150,000
 CY Budget: \$ -
 Account:
 Total spent to date: \$ -

Contact: Hillebrecht
 Type: SCADA
 Useful Life: 10 years
 Category: Capital Improvement
 Urgency: 4 = Less Important
 Carry Forward:

Description

Sunnyslope operates 3 Pressure Reducing Valve stations along Quail Ridge Dr. that pass water from the High Zone to the Middle Zone. This project is to install SCADA controls at each of these PRV stations. This would include individual PG&E electric meters that would need to be installed, the new PLCs, and radio communication. Additionally, it could mean new water meters, pressure transducers, conductivity sensors, and chlorine analyzers at each site. Depending on the feasibility, new sewer laterals could also be run to the sites so that active analyzers can be used with reagents.

Justification

Having the PRV stations connected to the SCADA would give staff more control and knowledge of the specific details of running the distribution system. It could be used to minimize power waste by limiting the PRVs to only when they are actually needed. The extra instruments would help to monitor the water distribution system by watching pressure, flows, chlorine residual, conductivity, and potentially other key factors.

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
		\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000

Funding Source

It could be argued that Capacity Fees may be used as improved visibility and monitoring of these PRVs can lead to more efficient use of them, thus giving more or better capacity to the Middle Zone. However, it would be safer to use the Capital Reserve for this project.

Operational Budget Impact/Other

Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FY 2021-22 Budget
SUNNSYSLOPE COUNTY WATER DISTRICT

Project Name: **Well 8 Irrigation System Supply**
 Dept: DISTRIBUTION
 Total Cost: \$ 500,000
 CY Budget: \$ -
 Account:
 Total spent to date: \$ -

Contact: Hillebrecht
 Type: CIP
 Useful Life: 40 years
 Category: Capital Improvement
 Urgency: 3 = Important
 Carry Forward:

Description

This project would connect Sunnyslope's Well 8 into the Irrigation System. This project would be after the Promontory and Ridgemark driving range is developed along with the improvements to Ridgemark Dr. out to Airline Hwy. Those developments will install a 12" pipe from Well 8 out to Fairview Rd. where it would connect to the Irrigation System. Once Well 8 is ready to be connected, this project would install additional pressure tank(s) at the Well 8 site and connect the well to the Irrigation System. There would also be an automated valve that could open between the Irrigation System and the High Zone if the Ridgemark tank drops too low or if the pressure at Well 8 gets too low.

Justification

If double plumbing of individual residences is to be required of upcoming developments, Well 5 would not have sufficient capacity to supply all that landscaping and irrigation. Therefore, we would need Well 8 to also supply irrigation water. Also, the Well 8 site is better for pressure tanks because it is about 40' higher than Well 5 so the tanks will give more capacity. This would also improve water quality right near Well 8 as it would "exercise" into the landscape system rather than the domestic High Zone.

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
		\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ 500,000

Funding Source

This could be funded through Capacity Fees as it is essentially increasing long-term water supply by taking irrigation demand away from the high quality surface water.

Operational Budget Impact/Other

Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FY 2021-22 Budget
SUNNSYSLOPE COUNTY WATER DISTRICT

Project Name: **Hollister Urban Area Master Plan Update**
 Dept: WHWTP
 Total Cost: \$ 75,000
 CY Budget: \$ 75,000
 Account:
 Total spent to date: \$ -

Contact: Hillebrecht
 Type: Study
 Useful Life: 5 years
 Category: Capital Improvement
 Urgency: 2 = Very Important
 Carry Forward:

Description

The Hollister Urban Area Water & Wastewater Master Plan takes a regional look at the water supplies and demands for the Hollister area. It then examines various strategies to ensure that there is sufficient water quantity and quality for the current and future residents and businesses in and around Hollister. The plan generally includes projections of future demand and future supply, evaluates potential projects and project timing. SBCWD has historically been the lead agency on this and has contracted with HDR engineering firm as the consultant for the Plan. Sunnyslope generally has a 1/3rd share in the cost.

Justification

Because we have become so interdependent and interconnected with SBCWD and the City of Hollister, it is key that we all operate on a shared vision for the regional water and wastewater issues. This is especially important as developing new water sources can take 10-20 years before the new water is realized. This also will be key for considering various options like double plumbing for landscape irrigation.

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
		\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000

Funding Source

It is anticipated that this project will be funded by the Capital Reserve. It could also be supplemented by Capacity Fees as the study is primarily for additional growth.

Operational Budget Impact/Other

Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FY 2021-22 Budget
SUNNSYSLOPE COUNTY WATER DISTRICT

Project Name: **Replace 12" Pipe from Ridgemark Tanks to Georges** Contact: Hillebrecht
 Dept: DISTRIBUTION Type: Pipeline
 Total Cost: \$ 150,000 Useful Life: 50 years
 CY Budget: \$ - Category: Capital Improvement
 Account: Urgency: 2 = Very Important
 Total spent to date: \$ - Carry Forward:

Description

The pipe that connects the Ridgemark Tanks down to Georges Dr. was installed around 1977 using 12" ACP pipe. The path of the pipe goes directly below several very large trees at 180 Georges Dr. and then runs cross country up the steep hillside to the tanks. This project would replaced about 750 LF of 12" ACP pipe with 12" PVC. This would probably be by bursting the existing 12" main. It would require at least 4 entry/exit pits as the pipe turns at elbows. All of this would be on easements over private property. Due to those considerations and the difficulty in accessing the pipeline turn points, an estimate of \$200 / LF was used.

Justification

In 2015 there was a water main leak between the cell towers and the tanks that Specialty Construction was brought in to repair as it was quite difficult. It appeared that the ground had settled causing one of the transite push couplings to strain and leak. Were this pipeline to experience a significant break (as can happen with ACP) it could quickly drain both Ridgemark Tanks and flood out the properties downhill from it. Accessing the break would also be very difficult, especially in an emergency.

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
		\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ 150,000

Funding Source

This would have to be funded by the Capital Reserve. Capacity Fees could not be used as it is not expanding capacity or being done due to growth or expansion of service.

Operational Budget Impact/Other

Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FY 2021-22 Budget
SUNNSYSLOPE COUNTY WATER DISTRICT

Project Name: **Upsize water main from Well 2 to Airline Hwy**
 Dept: DISTRIBUTION
 Total Cost: \$ 166,000
 CY Budget: \$ -
 Account:
 Total spent to date: \$ -

Contact: Hillebrecht
 Type: Pipeline
 Useful Life: 50 years
 Category: Capital Improvement
 Urgency: 4 = Less Important
 Carry Forward:

Description
This project is the replacement of approximately 1660 LF of 8" ACP pipe with 16" PVC pipe in Southside Rd from Well 2 to the bore across Airline Hwy. This includes a fault crossing just outside of Well 2 that would use the same specs as Crosstown Pipeline fault crossings. The project construction will be limited to the summer months so that it does not conflict with traffic for Ladd Elementary School. Due to these limitations, cost is estimated at \$100 per LF.

Justification
The existing 8" ACP pipe is undersized for the combined flows of Well 2 and the West Hills boosters such that pressures at the wellhead can rise by as much as 20psi when both are running. This can cause issues where well water actually runs backwards through the booster meter and go toward Well 11. This causes double counting of the metered water so that the same water is counted as new water into the system by both the Well 2 meter and the Well 11 West Hills meter. Ultimately, when the Bertuccio property south of Southside develops this main will be replaced by them, but that could be decades out. There is also earthquake risk as the ACP crosses a fault line and ACP does not do well with movement.

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
		\$ -	\$ -	\$ -	\$ -	\$ 166,000	\$ -	\$ 166,000

Funding Source
If the Bertuccio property develops, this project will be required as part of their development improvements. If we do this project before they develop, Capacity Fees could be used as the larger pipe would provide higher flows necessary for new developments.

Operational Budget Impact/Other								
Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FY 2021-22 Budget
SUNNSYSLOPE COUNTY WATER DISTRICT

Project Name: New Enterprise Lift Station (replace Oak Canyon)	Contact: Hillebrecht
Dept: COLLECTIONS	Type: Pump Stations
Total Cost: \$ 100,000	Useful Life: 40 years
CY Budget: \$ -	Category: Capital Improvement
Account:	Urgency: 2 = Very Important
Total spent to date: \$ -	Carry Forward:

Description

The Vista del Calabria development will be relocating and improving the existing Oak Canyon sewer lift station to the northwest corner of their development along Enterprise Rd. The lift station will be designed for final maximum capacity. Currently the Oak Canyon lift station serves 169 residences but full build-out will be approximately 494. Sunnyslope is thus responsible for about 34% of the new lift station cost as we very much want to get rid of the Oak Canyon lift. The Sunnyside Estates lift station for the City of Hollister which is near similar size had an Engineer's Estimate of \$272,000. We need a full backup generator, 2 pumps in the wet well and 1 on the shelf, Sodium Nitrate injection and storage shed, and full SCADA connection.

Justification

The Vista del Calabria needs this new sewer lift station to pump the wastewater from this development up to Sunnyslope's Ridgemark WWTP. This gives the opportunity for Sunnyslope to eliminate the Oak Canyon lift station which was built in 1997 in the middle of a residential street. That lift station does not have an onsite generator and cannot inject sodium nitrate to combat H2S corrosion. The new lift station will also be adequately sized for future development buildout.

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 100,000

Funding Source

Sunnyslope's share of this project will be funded through a Sewer Capacity Fee credit with the developer. The estimated total sewer capacity fees for this development are about \$3.25 million.

Operational Budget Impact/Other

Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FY 2021-22 Budget
SUNNSYSLOPE COUNTY WATER DISTRICT

Project Name: **New Airline/Ridgemark Dr. Lift Station (replace Paullu** Contact: Hillebrecht
 Dept: COLLECTIONS Type: Pump Stations
 Total Cost: \$ 150,000 Useful Life: 30 years
 CY Budget: \$ - Category: Capital Improvement
 Account: Urgency: 4 = Less Important
 Total spent to date: \$ - Carry Forward:

Description

A new sewer lift station near the corner of Ridgemark Dr. and Airline Hwy. is proposed as a part of the Ridgemark Golf Course development. A new gravity sewer line would be run from Paullus lift station down to here and sewage would then be pumped along Ridgemark Dr. into the new development collection system at the current driving range. Thus, Paullus would no longer be pumped to RM II lift station. The new lift station would need an onsite emergency generator, sodium nitrate injection and storage in a shed, full SCADA connection and control, and sufficient space for regular maintenance. The Sunnyside Estates lift station which would be similar had an estimated cost of \$272,000 in 2016. We assume Sunnyslope would be responsible for about 1/2 to 1/3 the cost of the new lift station.

Justification

The Ridgemark Golf Course Development is proposing for commercial facilities near the intersection of Ridgemark Dr. and Airline Hwy. such as restaurants, coffee shops, etc. Because that is downhill from the nearest sewer, it would need a lift station. Also, additional development in the RM II drainage is proposed. To offset the impacts of that development on RM II, the Paullus LS could gravity flow to the new LS. This would also upgrade Paullus so it has onsite backup power, more wastewater flow with larger pumps that do not plug as easily, and several other benefits.

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
		\$ -	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ 150,000

Funding Source

Sunnyslope would be responsible for its proportional share as negotiated with the Ridgemark developer. This would be paid through a Capacity Fee credit to the developer.

Operational Budget Impact/Other

Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FY 2021-22 Budget
SUNNSYSLOPE COUNTY WATER DISTRICT

Project Name: **Upsize Marks Sewer with Promontory Dev**
 Dept: COLLECTIONS
 Total Cost: \$ 200,000
 CY Budget: \$ -
 Account:
 Total spent to date: \$ -

Contact: Hillebrecht
 Type: Pipeline
 Useful Life: 50 years
 Category: Capital Improvement
 Urgency: 2 = Very Important
 Carry Forward:

Description

This project is the upsizing of 8" VCP sewer pipe to 10" PVC or HDPE pipe from about 360 Marks Dr. to the Main Lift Station next to 558 Marks Dr. This is approximately 960 LF of sewer main through 6 manholes. The final segment to the manhole right before the Main Lift will need to be deepened by open cut trench, along with the segment from there to the Main Lift. All the others could be done by pipe bursting depending on the radius that the sewer pipe is roped at. It starts out quite deep at about 20' then gets shallower ending at about 10' deep. Also 7 sewer lateral connections need to be made. This project will be completed by the Promontory development as one of their requirements. Sunnyslope will be responsible for our fair share which is about 40%. Promontory's share is 10% and Ridgemark Golf Course development has a 50% share. Cost was assumed at a high cost of \$500 per LF.

Justification

The sewer main from 220 Marks Dr. to the Main Lift is already over capacity (more than 75% full pipe flow) at peak hour flow (4x daily average). The Promontory development will be tying into this sewer main just southwest of 360 Marks Dr. adding more flow to this already over-capacity line. Thus the line must be upsized to accomodate the existing and future sewer flows for full buildout. Shares were determined based on the percent contribution to over-capacity of the existing sewer main.

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ 200,000

Funding Source

Sunnyslope's 40% share will be funded through a Sewer Capacity Fee credit to the developer, who will be required to do the work. The development will have about \$2 million in sewer capacity fees.

Operational Budget Impact/Other

Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FY 2021-22 Budget
SUNNSYSLOPE COUNTY WATER DISTRICT

Project Name: **New Gravity Sewer from Main Lift to Vista del Calabri.** Contact: Hillebrecht
 Dept: COLLECTIONS Type: Pipeline
 Total Cost: \$ 625,000 Useful Life: 50 years
 CY Budget: \$ - Category: Capital Improvement
 Account: Urgency: 3 = Important
 Total spent to date: \$ - Carry Forward:

Description

This project is dependent upon agreements being reached to send Sunnyslope's sewage to the City of Hollister wastewater treatment plant rather than treating it at the Ridgemark WWTP and on the Vista del Calabria development. It is also paired with the New Gravity Sewer from Everest project (18) and the Connect to City Sewer via Lico North project (19). For this project, a new gravity 10" sewer pipe would be installed from the Main Lift station next to 558 Marks through an existing PUE easement on Hilden's property to Georges Dr and then down to the end of Georges Dr. where it would tie into a stubbed manhole from Vista del Calabria at the end of Georges. This would be approximately 2,500 LF of pipe with about 1,500 feet in a residential road. Much of that length in the road would also be over 20' deep. No sewer laterals would come off this pipe. To minimize the impact to the road and residences, doing a directional bore is an attractive installation method. Cost is assumed to be \$250 per LF. The 10" is calculated to be adequate for full buildout of Sunnyslope's sewer area. The gravity sewer could also potentially pick up Hilden's sewer lateral so he no longer has to pump into Sunnyslope's collection system.

Justification

This project is necessary to send Sunnyslope's sewer flows to the City. Redirecting sewage treatment from the Ridgemark WWTP to the City of Hollister WWTP allows for economies of scale to reduce the unit cost and reduces maintenance and treatment costs. Additionally, by gravity flowing the expense of running the Main Lift station is eliminated saving energy and maintenance costs. Ultimately, this cost savings could me a reduction in sewer bills for Sunnyslope customers or at least it will be longer before a rate increase is needed.

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
		\$ -	\$ -	\$ -	\$ 625,000	\$ -	\$ -	\$ 625,000

Funding Source

This would have to be funded through the Capital Reserve as the project is not due to new development or increasing capacity.

Operational Budget Impact/Other

Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FY 2021-22 Budget
SUNNYSLOPE COUNTY WATER DISTRICT

Project Name: **New Gravity Sewer Everest toward Main Lift**
 Dept: COLLECTIONS
 Total Cost: \$ 80,000
 CY Budget: \$ -
 Account:
 Total spent to date: \$ -

Contact: Hillebrecht
 Type: Pipeline
 Useful Life: 50 years
 Category: Capital Improvement
 Urgency: 3 = Important
 Carry Forward:

Description

This project is dependent upon an agreement to send Sunnyslope sewer to the City of Hollister, a Gravity Sewer from Main Lift to Vista del Calabria (Project 17) and Connection to City Sewer via Lico North (Project 19) and the Vista del Calabria development. To send sewer from Franks Dr. and Everest Dr. to the City of Hollister, a new gravity sewer pipeline must be installed from manhole M3-5c on the Ridgemark WWTP property east toward the new gravity main from the Main Lift to Vista del Calabria (Project 17). The pipeline would be at least 600 LF and as much as 1,000 LF long depending on the route. It should not need to be too deep and could easily be open cut trenched in. Estimated cost is \$100 per LF. Appropriate valving should be considered so that flow could be redirected back to the Ridgemark WWTP if needed.

Justification

This project would be needed if Sunnyslope were to send its sewage to the City of Hollister WWTP as wastewater from Franks and Everest does not pass through the Main Lift station but rather enters in the back of the SBR. Going to the City with wastewater is thought to be cheaper long-term, adds more wastewater for recycling, and reduces the amount of pumping energy used.

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
		\$ -	\$ -	\$ -	\$ 80,000	\$ -	\$ -	\$ 80,000

Funding Source

This must be funded through the Capital Reserve as Capacity Fees cannot be used.

Operational Budget Impact/Other

Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FY 2021-22 Budget
SUNNYSLOPE COUNTY WATER DISTRICT

Project Name: **Connection to City Sewer via Lico North**
 Dept: COLLECTIONS
 Total Cost: \$ 420,000
 CY Budget: \$ -
 Account:
 Total spent to date: \$ -

Contact: Hillebrecht
 Type: Pipeline
 Useful Life: 50 years
 Category: Capital Improvement
 Urgency: 3 = Important
 Carry Forward:

Description

This project is dependent upon an agreement being reached to send Sunnyslope wastewater to the City of Hollister WWTP. A new gravity sewer pipeline would be installed from the Enterprise lift station north across the Lico North property to Union Rd and then west to Southside Rd. The pipeline would then tie into the existing City of Hollister collection system manhole at Southside and Union. An easement across the Lico North property would need to be negotiated. Due to elevations, the sewer main could not be directed west down Enterprise then north on Southside. Also it could not go to the Sunnyside Estates lift station as the sewer piping and that lift station are very undersized to handle all Sunnyslope's wastewater flows, especially at full buildout. The easement would need to be at least 1,100 LF but could be longer depending on grades and desired location by the Licos. Down Union Rd it could be about 1,000 LF of pipe. Cost is assumed to be about \$200 per LF.

Justification

This pipeline would be needed to get wastewater flow from Sunnyslope to the City of Hollister. It is expected that wastewater treatment at the Hollister WWTP would be cheaper than continuing to run the Ridgemark WWTP in the long term. Also, that would provide additional wastewater flows for recycling and selling to agriculture around the Hollister WWTP.

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
		\$ -	\$ -	\$ -	\$ 420,000	\$ -	\$ -	\$ 420,000

Funding Source

Funding would need to come from the Capital Reserves as Capacity Fees could not be used. This project is not for expanding capacity to accommodate development.

Operational Budget Impact/Other

Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FY 2021-22 Budget
SUNNSYSLOPE COUNTY WATER DISTRICT

Project Name: **Ridgemark Golf Course Sewer Upsizing**
 Dept: COLLECTIONS
 Total Cost: \$ 50,000
 CY Budget: \$ -
 Account:
 Total spent to date: \$ -

Contact: Hillebrecht
 Type: Pipeline
 Useful Life: 50 years
 Category: Capital Improvement
 Urgency: 4 = Less Important
 Carry Forward:

Description

The Ridgemark Golf Course is proposed to have additional development constructed. To accommodate that development along with the existing customers, the sewer main would need to be upsized in a few areas, specifically on Marks and Donald Dr. While most of these costs would be covered by the developer, Sunnyslope would be responsible for its portion in areas that are already over capacity (more than 75% full pipe at peak hour (4x daily average) flow). A major portion of the needed upsizing will be accomplished by Project 16, but from manhole M3-18 to M3-12 (900 LF) and M5-14 to M4-22 (260 LF), existing flows already exceed capacity. For cost estimate it is assumed \$200 per LF and Sunnyslope would have a 25% share.

Justification

These sections of sewer main are already over capacity according to the 75% full pipe at peak hour (4x daily average) standard that Sunnyslope has adopted for sewer sizing. Over capacity sewers like this increase the chance for sewer backups and SSOs that expose the public and environment to raw wastewater. The developer for the Ridgemark Golf Course will need to upsize these pipes anyway for their development.

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
		\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ -	\$ 50,000

Funding Source

This would be funded through a Capacity Fee credit with the Ridgemark Golf Course developer as the upsizing is directly for accomodating new development.

Operational Budget Impact/Other

Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FY 2021-22 Budget
SUNNYSLOPE COUNTY WATER DISTRICT

Project Name: **Upsizing City Sewer Mains Union/Southside to City W1** Contact: Hillebrecht
 Dept: COLLECTIONS Type: Pipeline
 Total Cost: \$ 1,000,000 Useful Life: 50 years
 CY Budget: \$ - Category: Capital Improvement
 Account: Urgency: 3 = Important
 Total spent to date: \$ - Carry Forward:

Description
<p>If Sunnyslope connects the the City of Hollister wastewater collections system through projects 17, 18, and 19 an analysis would be needed on the City's collection system capacity to ensure that it can handle the additional flows from Sunnyslope. Rather than paying collections capacity fees, Sunnyslope would propose to pay for and conduct the sewer main upsizing that would be required. It is currently unknown by Sunnyslope staff what sewer main upsizing would be required. Therefore, a cost of \$1 million is proposed mostly as a place holder. More research and cooperation with the City will revise that estimate. Full Sunnyslope build-out peak hour flow is expected to be about 640gpm.</p>

Justification
<p>This project would be needed to connect Sunnyslope's wastewater to the City of Holliser treatment plant without causing capacity issues in the City's collection system. It would probably be a requirement of any agreement to send Sunnyslope sewer to the City.</p>

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
		\$ -	\$ -	\$ -	\$ 1,000,000	\$ -	\$ -	\$ 1,000,000

Funding Source
<p>This would have to be funded through the Capital Reserve.</p>

Operational Budget Impact/Other								
Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FY 2021-22 Budget
SUNNSYSLOPE COUNTY WATER DISTRICT

Project Name: **Manhole and Sewer Main Repair/Replace from CCTV I** Contact: Hillebrecht
 Dept: COLLECTIONS Type: Manholes Pipeline
 Total Cost: \$ 150,000 Useful Life: 20 years
 CY Budget: \$ 50,000 Category: Capital Improvement
 Account: Urgency: 3 = Important
 Total spent to date: \$ - Carry Forward:

Description

Following the CCTV Inspection and Assessment project, we should begin to address various weaknesses and deficiencies discovered by the CCTV. Depending on the degree to which the pipes and manholes have degraded, this project may be smaller or larger than estimated here. Likely not all the repairs will be needed immediately which will allow the project to be spread over several years. Types of problems may include H2S corrosion and degradation of manholes, root intrusion, cracked or collapsed pipes, bellies, or other issues.

Justification

Once it is determined what the issues with Sunnyslope's collection system are, those issues need to be addressed in a timely manner to prevent failure of the collection system and SSOs.

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
		\$ 50,000	\$ 50,000	\$ 50,000	\$ -	\$ -	\$ -	\$ 150,000

Funding Source

Funding would be through the Capital Reserve.

Operational Budget Impact/Other

Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FY 2021-22 Budget
SUNNSYSLOPE COUNTY WATER DISTRICT

Project Name: Water Meter AMI Radio Network and Upgrades	Contact: Hillebrecht
Dept:	Type: Other
Total Cost: \$ 570,000	Useful Life: 15 years
CY Budget: \$ 320,000	Category: Capital Improvement
Account:	Urgency: 2 = Very Important
Total spent to date: \$ -	Carry Forward:

Description

This project includes the installation and programming of a network of radio collector and repeater antennas that will be able to receive and transmit hourly water meter reads to our office. The network will be designed, installed, and tested with training for staff. This aspect of getting the network up and running is estimated to cost \$320,000 based off a Meter, Valve & Control quote from Dec 2, 2020. To be compatible with this system, all the meters will need to have 100W itron ERTs. It is estimated that about 4,000 new ERTs will need to be replaced at a cost of \$250,000 per that same quote.

Justification

Sunnyslope has already invested significantly into improving our customer interface through the new website, Watersmart, and Tyler. Upgrading to AMI will allow these programs to be used to their full potential by analyzing hourly meter reads to alert customers of potential leaks, creating usage trends, predicting upcoming bill costs, and much more. It will also simplify start/stop service procedures and save about 6 hours per month in meter reading (and miles of RAV-4) as the meter reading route would be significantly reduced. Many of the ERTs to be replaced are nearing the end of their useful life and would need to be replaced soon anyway.

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
		\$ 320,000	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 570,000

Funding Source

This would be funded by the Capital Reserve. Capacity Fees could not be used for this project as it is not to accommodate additional growth.

Operational Budget Impact/Other

Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FY 2021-22 Budget
SUNNSYSLOPE COUNTY WATER DISTRICT

Project Name: **Pond 6 Lift Station Wet Well, Pump, Electrical**
 Dept: WWTP
 Total Cost: \$ 50,000
 CY Budget: \$ 50,000
 Account:
 Total spent to date: \$ -

Contact: Hillebrecht
 Type: Pump Stations
 Useful Life: 15 years
 Category: Capital Improvement
 Urgency: 3 = Important
 Carry Forward:

Description
The Pond 6 lift station at the SBR which pumps treated wastewater to Percolation Pond 6 for disposal needs to be inspected and evaluated. This should include the electrical system, the wet well itself, and the pump. Also, minor alterations may be needed to the percolation Pond 3 overflow to Pond 4 so that treated wastewater would first go toward the Pond 6 wet well.

Justification
While Pond 6 is not constantly needed for operation of the SBR, it is a valuable asset for disposing of treated wastewater. The lift station improvements would facilitate normal use of this pond, giving valuable time for maintenance of Pond 4.

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
		\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000

Funding Source
This would be funded by the Capital Reserve. Capacity Fees could not be used for this project as it is not to accommodate additional growth.

Operational Budget Impact/Other								
Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FY 2021-22 Budget
SUNNSYSLOPE COUNTY WATER DISTRICT

Project Name: **Well 2 VFD Electrical Rewiring**
 Dept: DISTRIBUTION
 Total Cost: \$ 25,000
 CY Budget: \$ 25,000
 Account:
 Total spent to date: \$ -

Contact: Hillebrecht
 Type: Wells
 Useful Life: 20 years
 Category: Capital Improvement
 Urgency: 1 = Critical
 Carry Forward:

Description

The SCADA for Well 2 and the Crosstown Booster Station there is powered directly from the Well 2 VFD controller. However, this makes it such that the Well 2 VFD panel cannot be turned off without killing power to the SCADA controls. This project would intercept power before the Well 2 VFD for the SCADA and have each of those on their own breakers so they are independent of each other. **ALSO** it needs to be investigated if there are stray ground currents from the Well 2 VFD that are going from the motor to the casing. This could be causing **SEVERE** corrosion of the pump, motor, casing, and well pipe.

Justification

It is very important for safety that the Well 2 VFD can be fully turned off and deenergized. Currently if that is to occur, we would loose SCADA communication after the backup battery goes dead. Also, if there are stray grounding currents going to the well pump or casing, it could severely shorten the life of the pump and could cause damage to the well itself.

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
		\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000

Funding Source

This would be paid for from the Capital Reserves.

Operational Budget Impact/Other

Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FY 2021-22 Budget
SUNNSYSLOPE COUNTY WATER DISTRICT

Project Name: **Conduit to DO Sensors at SBR**
 Dept: WWTP
 Total Cost: \$ 25,000
 CY Budget: \$ 25,000
 Account:
 Total spent to date: \$ -

Contact: Hillebrecht
 Type: Safety
 Useful Life: 20 years
 Category: Capital Improvement
 Urgency: 3 = Important
 Carry Forward:

Description

At the Ridgemark WWTP, there are DO sensors for each basin that currently have extension cords running along the catwalk to power them. These cords need to be replaced with permanent electrical wires in proper conduits.

Justification

The current practice of using extension cords to power these semi-permanent instruments does not meet OSHA standards and is a safety hazard for both electric shock and for tripping.

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
		\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000

Funding Source

This would be funded by the Capital Reserve.

Operational Budget Impact/Other

Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FY 2021-22 Budget
SUNNSYSLOPE COUNTY WATER DISTRICT

Project Name: **Update Water System Model for Fire Flows**
 Dept: DISTRIBUTION
 Total Cost: \$ 10,000
 CY Budget: \$ -
 Account:
 Total spent to date: \$ -

Contact: Hillebrecht
 Type: Study
 Useful Life: 10 years
 Category: Capital Improvement
 Urgency: 4 = Less Important
 Carry Forward:

Description

With all the development and changes to Sunnyslopes water distribution system, it is important that we verify that adequate fire flows are available to every part of our District. This study would include updating the current model of our water system (last held by Kennedy/Jenks for the Crosstown Pipeline project) and running both theoretical tests on the model and live tests on key fire hydrants.

Justification

Sunnyslope is charged with providing sufficient fire flows so that the Hollister Fire Department can hook up to any hydrant and use the water to fight fires. This study would ensure that Sunnyslope's system is meeting all parameters and standards for fire flows. Ultimately, that will keep the home insurance rates lower for Sunnyslope customers as their homes and businesses are better defended from fires.

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
		\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000

Funding Source

Funding would be from the Capital Reserve.

Operational Budget Impact/Other

Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FY 2021-22 Budget
SUNNYSLOPE COUNTY WATER DISTRICT

Project Name: **Water Main Upgrades for Fire Flows**
 Dept: DISTRIBUTION
 Total Cost: \$ 100,000
 CY Budget: \$ -
 Account:
 Total spent to date: \$ -

Contact: Hillebrecht
 Type: Pipeline
 Useful Life: 50 years
 Category: Capital Improvement
 Urgency: 4 = Less Important
 Carry Forward:

Description

This project would be executing the suggestions made by the study in Project 27. While it is not anticipated that may improvements would be needed as staff believes that fire flows are sufficient for most of the District, a cost of \$100,000 is assigned as a place holder.

Justification

If Project 27 discovers that there are areas with insufficient fire flow for adequate Fire Department protection, those issues ought to be addressed. Sunnyslope is charged with providing fire protection water and the Fire Department depends on having enough flow from hydrants.

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
		\$ -	\$ -	\$ -	\$ 50,000	\$ 50,000	\$ -	\$ 100,000

Funding Source

Funding would be from the Capital Reserve.

Operational Budget Impact/Other

Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FY 2021-22 Budget
SUNNSYSLOPE COUNTY WATER DISTRICT

Project Name: **Convert Water Distribution SCADA from Wonderware** Contact: Hillebrecht
 Dept: ADMIN Type: SCADA
 Total Cost: \$ 75,000 Useful Life: 15 years
 CY Budget: \$ - Category: Capital Improvement
 Account: Urgency: 4 = Less Important
 Total spent to date: \$ - Carry Forward:

Description

Sunnyslope currently runs multiple versions of the Wonderware software to power the SCADA program and controls. Renewing the Wonderware licenses can be very expensive. One option is other than renewing Wonderware licenses is to entirely reprogram the SCADA system using the Ignition software. This would allow the District to start from the ground up and design the SCADA so that it works best for the District's current needs. The screens and controls can operate very similarly to the old system to minimize staff difficulty. The cost figures are just place holders and more research is needed on actual costs of Wonderware licenses and Ignition programming.

Justification

To integrate the SCADA from the main Office, the Ridgemark WWTP, Lessalt, and West Hills into one program that shows them all, they all need to be on the same Wonderware version. Currently they are each on different versions, so "catch-up licenses" would need to be purchased to bring everything current. This could be quite expensive. The Ignition software is more open source and easier to doesn't have the licensing requirements of Wonderware.

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
		\$ -	\$ -	\$ 37,500	\$ 37,500	\$ -	\$ -	\$ 75,000

Funding Source

Funding would be from the Capital Reserve.

Operational Budget Impact/Other

Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FY 2021-22 Budget
SUNNSYSLOPE COUNTY WATER DISTRICT

Project Name: **Convert Lessalt SCADA from Wonderware to Ignition** Contact: Hillebrecht
 Dept: ADMIN Type: SCADA
 Total Cost: \$ 75,000 Useful Life: 15 years
 CY Budget: \$ - Category: Capital Improvement
 Account: Urgency: 4 = Less Important
 Total spent to date: \$ - Carry Forward:

Description

Sunnyslope currently runs multiple versions of the Wonderware software to power the SCADA program and controls. Renewing the Wonderware licenses can be very expensive. One option is other than renewing Wonderware licenses is to entirely reprogram the SCADA system using the Ignition software. This would allow the District to start from the ground up and design the SCADA so that it works best for the District's current needs. The screens and controls can operate very similarly to the old system to minimize staff difficulty. The cost figures are just place holders and more research is needed on actual costs of Wonderware licenses and Ignition programming.

Justification

To integrate the SCADA from the main Office, the Ridgemark WWTP, Lessalt, and West Hills into one program that shows them all, they all need to be on the same Wonderware version. Currently they are each on different versions, so "catch-up licenses" would need to be purchased to bring everything current. This could be quite expensive. The Ignition software is more open source and easier to doesn't have the licensing requirements of Wonderware.

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
		\$ -	\$ -	\$ 37,500	\$ 37,500	\$ -	\$ -	\$ 75,000

Funding Source

Funding would be from the Capital Reserve.

Operational Budget Impact/Other

Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FY 2021-22 Budget
SUNNSYSLOPE COUNTY WATER DISTRICT

Project Name: **Convert West Hills SCADA from Wonderware to Igniti** Contact: Hillebrecht
 Dept: ADMIN Type: SCADA
 Total Cost: \$ 75,000 Useful Life: 15 years
 CY Budget: \$ - Category: Capital Improvement
 Account: Urgency: 4 = Less Important
 Total spent to date: \$ - Carry Forward:

Description

Sunnyslope currently runs multiple versions of the Wonderware software to power the SCADA program and controls. Renewing the Wonderware licenses can be very expensive. One option is other than renewing Wonderware licenses is to entirely reprogram the SCADA system using the Ignition software. This would allow the District to start from the ground up and design the SCADA so that it works best for the District's current needs. The screens and controls can operate very similarly to the old system to minimize staff difficulty. The cost figures are just place holders and more research is needed on actual costs of Wonderware licenses and Ignition programming.

Justification

To integrate the SCADA from the main Office, the Ridgemark WWTP, Lessalt, and West Hills into one program that shows them all, they all need to be on the same Wonderware version. Currently they are each on different versions, so "catch-up licenses" would need to be purchased to bring everything current. This could be quite expensive. The Ignition software is more open source and easier to doesn't have the licensing requirements of Wonderware.

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
		\$ -	\$ -	\$ 37,500	\$ 37,500	\$ -	\$ -	\$ 75,000

Funding Source

Funding would be from the Capital Reserve.

Operational Budget Impact/Other

Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FY 2021-22 Budget
SUNNSYSLOPE COUNTY WATER DISTRICT

Project Name: **Convert Water Distribution SCADA from Wonderware** Contact: Hillebrecht
 Dept: ADMIN Type: SCADA
 Total Cost: \$ 75,000 Useful Life: 15 years
 CY Budget: \$ - Category: Capital Improvement
 Account: Urgency: 4 = Less Important
 Total spent to date: \$ - Carry Forward:

Description

Sunnyslope currently runs multiple versions of the Wonderware software to power the SCADA program and controls. Renewing the Wonderware licenses can be very expensive. One option is other than renewing Wonderware licenses is to entirely reprogram the SCADA system using the Ignition software. This would allow the District to start from the ground up and design the SCADA so that it works best for the District's current needs. The screens and controls can operate very similarly to the old system to minimize staff difficulty. The cost figures are just place holders and more research is needed on actual costs of Wonderware licenses and Ignition programming.

Justification

To integrate the SCADA from the main Office, the Ridgemark WWTP, Lessalt, and West Hills into one program that shows them all, they all need to be on the same Wonderware version. Currently they are each on different versions, so "catch-up licenses" would need to be purchased to bring everything current. This could be quite expensive. The Ignition software is more open source and easier to doesn't have the licensing requirements of Wonderware.

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
		\$ -	\$ -	\$ 37,500	\$ 37,500	\$ -	\$ -	\$ 75,000

Funding Source

Funding would be from the Capital Reserve.

Operational Budget Impact/Other

Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FY 2021-22 Budget
SUNNSYSLOPE COUNTY WATER DISTRICT

Project Name: **Replace Cathodic Protection Anodes in Water Tanks** Contact: Hillebrecht
 Dept: DISTRIBUTION Type: Water Storage
 Total Cost: \$ 30,000 Useful Life: 10 years
 CY Budget: \$ - Category: Maintenance
 Account: Urgency: 4 = Less Important
 Total spent to date: \$ - Carry Forward:

Description

The Ridgemark 0.5 and 1.0 MG tanks and the Fairview 3.5 MG tank all had passive cathodic protection installed in 2015 wherein magnesium rods corrode preferentially to the steel in the tanks. The rods should be replaced before they are fully corroded. Prior to replacement of the rods, an evaluation should be performed to determine what their additional life expectancy is and whether they need to be replaced yet.

Justification

Cathodic protection protects the steel tanks from corrosion damage and significantly extends their life expectancy. The cost of recoating one of these water tanks is significant, not to mention the operational difficulty with taking a tank offline for it to be recoated. Maintaining the cathodic protection is a much cheaper and easier option.

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
		\$ -	\$ -	\$ -	\$ -	\$ 30,000	\$ -	\$ 30,000

Funding Source

Funding would be from the Capital Reserve.

Operational Budget Impact/Other

Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FY 2021-22 Budget
SUNNSYSLOPE COUNTY WATER DISTRICT

Project Name: **Lessalt Upgrade Turbidity Analyzers**
 Dept: LWTP
 Total Cost: \$ 30,600
 CY Budget: \$ 30,600
 Account:
 Total spent to date: \$ -

Contact: Rodriguez
 Type: Equipment
 Useful Life: 10 years
 Category: Capital Equipment
 Urgency: 2 = Very Important
 Carry Forward:

Description

Replace turbidity analyzers at Lessalt . Use contractor to install it. There are 7 analyzers at \$3600 and warranty.

Justification

1720E turbidity analyzers are now discontinued so we need to upgrade to TU5300. This will save staff time with cleaning the analyzers and searching for repair parts online.

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
		\$ 30,600	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,600

Funding Source

Funding would be from the Capital Reserve.

Operational Budget Impact/Other

Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FY 2021-22 Budget
SUNNYSLOPE COUNTY WATER DISTRICT

Project Name: **Connect Fairview Tank Solar to Grid through Meter** Contact: Hillebrecht
 Dept: ADMIN Type: Power
 Total Cost: \$ 15,000 Useful Life: 15 years
 CY Budget: \$ 15,000 Category: Capital Improvement
 Account: Urgency: 2 = Very Important
 Total spent to date: \$ - Carry Forward:

Description

The Fairview Tank site has a bank of solar panels on the northern end of the property that were originally used to power the mixer in the 3.5 MG Fairview tank. This was because the original power meter was off Fairview Rd. about a 3,000' away from the tank and the voltage would drop too much over that distance. Now however with the Santana Ranch development, the meter was relocated onto Castle Rock Dr and is now only about 500' away. Thus there is enough voltage to run the mixer on that and now to connect those solar panels to the grid. Cost has not been researched yet and is a place holder.

Justification

The solar panels can be used to offset some of Sunnyslope's power usage. The mixer will also be able to run more consistently off the PG&E power rather than the solar panels.

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
		\$ 15,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,000

Funding Source

Funding would be from the Capital Reserve.

Operational Budget Impact/Other

Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FY 2021-22 Budget
SUNNSYSLOPE COUNTY WATER DISTRICT

Project Name: **6,500 gallon Sodium Hydroxide tank**
 Dept: WHWTP
 Total Cost: \$ 25,000
 CY Budget: \$ 25,000
 Account:
 Total spent to date: \$ -

Contact: Rodriguez
 Type: Water Supply
 Useful Life: 20 years
 Category: Capital Improvement
 Urgency: 3 = Important
 Carry Forward:

Description

Replace current sodium hydroxide tank with bigger 6700 gallon at Wes Hills Water Treatment Facility.

Justification

Up size current 300 gallon tank with bigger 6500 tank to cut freight freight charges.

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
		\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000

Funding Source

Capital Reserve for West Hills

Operational Budget Impact/Other

Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FY 2021-22 Budget
SUNNSYSLOPE COUNTY WATER DISTRICT

Project Name: **sc200 Universal Controller (4)**
 Dept: WHWTP
 Total Cost: \$ 9,088
 CY Budget: \$ 9,088
 Account:
 Total spent to date: \$ -

Contact: Rodriguez
 Type: Water Supply
 Useful Life: 20 years
 Category: Capital Improvement
 Urgency: 3 = Important
 Carry Forward:

Description
Replace sc100 with sc200 at Lessalt and West Hills. Use contractor to install it. There are 4 analyzers a \$2272.00 and warranty.

Justification
sc100 analyzers will begin to be discontinued so we need to upgrade to sc200. Along with the turbidity upgrade,sc200 analyzers that better support the TU5300 analyzers and would eliminate searching for repair parts for the soon to be discontinued sc100..

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
		\$ 9,088	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,088

Funding Source
Capital Reserve for West Hills

Operational Budget Impact/Other								
Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FY 2021-22 Budget
SUNNSYSLOPE COUNTY WATER DISTRICT

Project Name: **Westhills Upgrade Turbidity Analyzers**
 Dept: WHWTP
 Total Cost: \$ 17,500
 CY Budget: \$ 17,500
 Account:
 Total spent to date: \$ -

Contact: Rodriguez
 Type: Water Supply
 Useful Life: 20 years
 Category: Capital Improvement
 Urgency: 3 = Important
 Carry Forward:

Description

Replace turbidity analyzers at West Hills . Use contractor to install it. There are 4 analyzers at \$3600 and warranty.

Justification

1720E turbidity analyzers are now discontinued so we need to upgrade to TU5300. This will save staff time with cleaning the analyzers and searching for repair parts online.

Expenditures:	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	Total
		\$ 17,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17,500

Funding Source

Capital Reserve for West Hills

Operational Budget Impact/Other

Budget Items	Prior Yr	21/22	22/23	23/24	24/25	25/26	Unsched	5 yr Total
Labor								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Equipment								\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -