



PALMDALE WATER DISTRICT
A CENTURY OF SERVICE

Resource and Facilities Committee Meeting

7-14-2022

Chris Bligh



Recent Well Rehab Projects

- Rehab with liner
- Rehab with redevelopment and VFD
- Vertical turbine and submersible pumps
- Motor rebuild only

Well #	Pump Type	GPM	Setting	Note	Cost
Well 7	10" Verticle Turbine	700	700'	Eng Proj.	2021 \$330,000
Well 14	10" Verticle Turbine	800	700'		2022 \$158,000
Well 8	12" Verticle Turbine	1,900	760'		2022 \$295,800
Well 3	Verticle Turbine	1,100	700'	Motor Only	2022 \$12,800
Well 32	Submersible	250	460'		2022 \$178,150
Well 26	Submersible	250	400'	Pull & Video	2022 \$13,300
					2021 \$330,000
					2022 \$658,050
					Total \$988,050



Palmdale Ditch Algae Explosion

- Start 20 cfs flow at LRD on 2-14-2022, at level of 2' from spill
- Algae and debris growth at levels that we had never seen before
- Had to clean screens twice a day and lower flow to 15 cfs, in early June
- Shut ditch flow down in mid June, due to not being able to keep up
- Equipment and an average of six staff, for two weeks, to clean out
- Restart ditch flow at 20 cfs and dosing with Earth Tec at 1.5 ppm or 40 ml/min



Palmdale Ditch Typical Conditions



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Thank you!

