

## Action Item

9. Consider Authorizing Additional Funds for the Contract with Maggiora Brothers Drilling for Rehabilitation of Two ASR Wells.

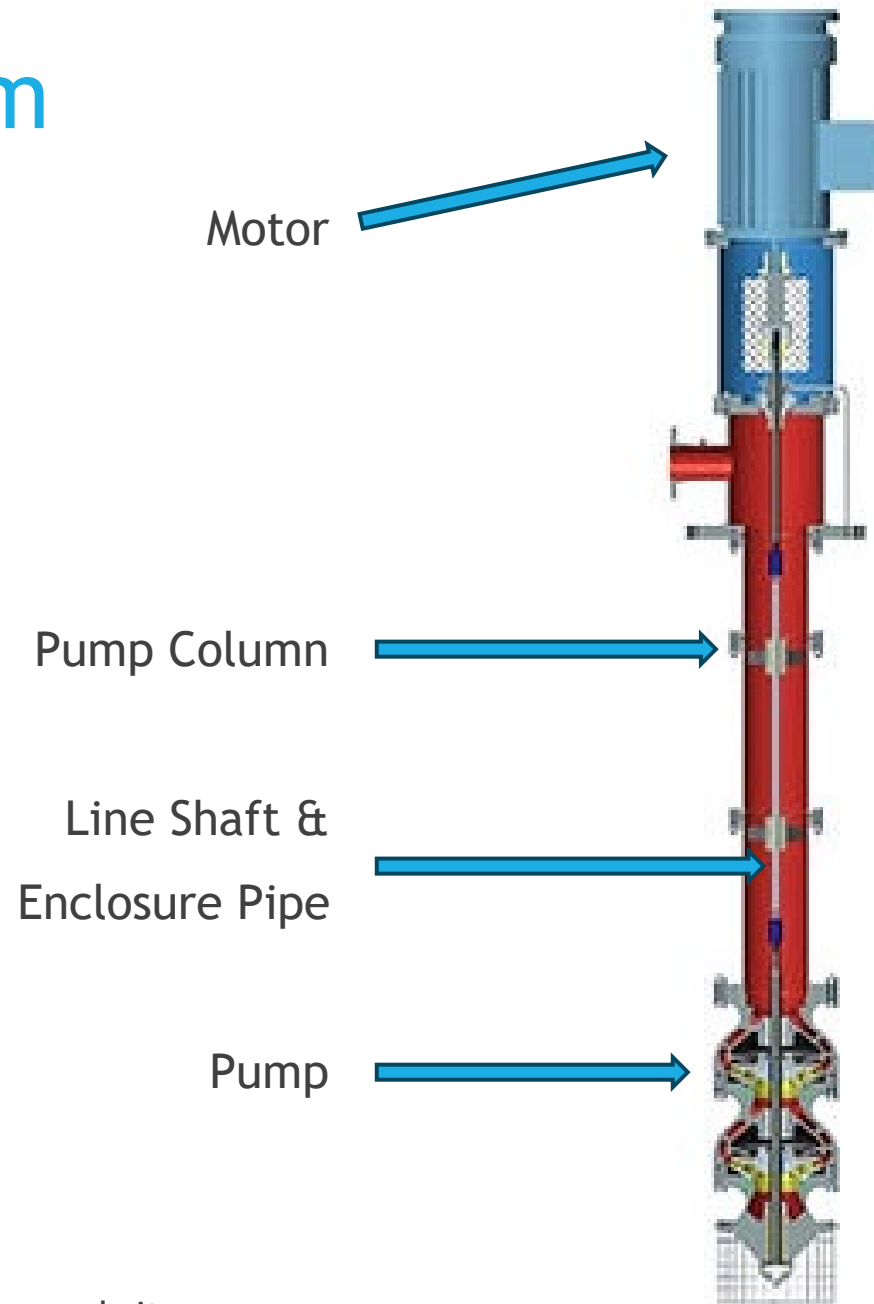
July 15, 2024

Maureen Hamilton

# Introduction

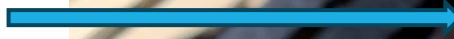
1. Revised staff report with request reduction
2. Work completed:
  1. May 20 - Board authorized wells' rehabilitation contract
  2. June 3 - Contractor mobilized
  3. June 22 - Contractor completed pump assembly removals, delivered for inspection
  4. July 5 - Contractor submitted repair recommendations
3. Technical information

# Terms - Diagram

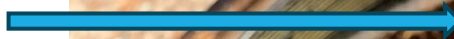


# Terms - Photo

Line Shaft



Enclosure Pipe



Pump Column



# Disassembly Videos

# Galling

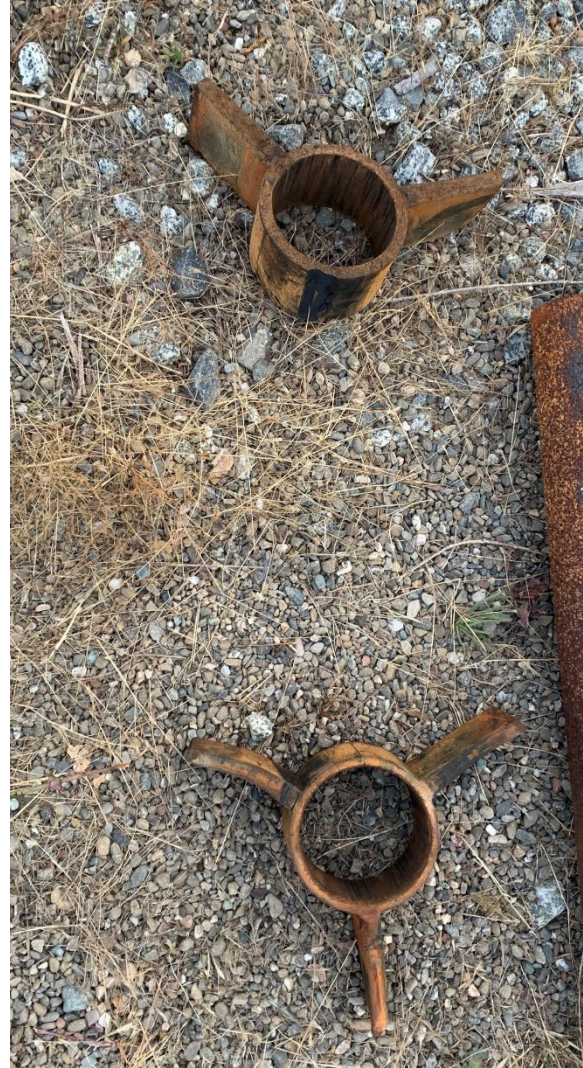
- ▶ Friction and adhesion between two metal surfaces
- ▶ Factors: Load (weight), vibration, heat, debris/scale
- ▶ Must be addressed to re-install



# Pitting



# Other Photos





# Post-Inspection Request

Item	Amount
Repair Cost	+ \$178,559.00
Repair Cost Funded by Previously Authorized Contingency	- \$ 30,298.50
Requested Future Contingency	+ \$ 28,000.00
Request	= \$176,250.50

- No adjustment to the Fiscal Year 2024-2025 budget is required
- Maintenance, repair, and replacement costs reimbursable per the Amended and Restated Aquifer Storage and Recovery Management and Operations Agreement executed February 23, 2021

# Request

Authorize the General Manager or his designee to increase the Maggiora Brothers Drilling, Inc. contract to rehabilitate ASR1 and ASR2 wells by \$176,250.50 for a total not-to-exceed amount of \$509,544.00.

Questions?