# Vactor Trucks



### Vactor Utilization

#### Wastewater

- 1. Clean sewer lines.
- 2. Clean lift stations.
- 3. Emergency spill response.
- 4. Treatment plant cleaning of basins, vaults and odor control.
- 5. Hydro excavating for tap installations.
- 6. Hydro excavating around electric, gas, fiber, CATV, etc.
- 7. Force main repair.

## **Existing Operations**

- We have two Vactor trucks
  - 2004 Vactor 2100 -53,995 miles -fan vacuum system
  - 2010 Vactor2100- 103,940 miles –PD blower vacuum system
  - Existing Vactor trucks are aging and becoming unreliable.
  - Rarely use both trucks daily because of the risk of both of them breaking down, which has happened
- When both Vactor trucks were down for repair, it cost the City \$13,032 a month to rent a Vactor truck.

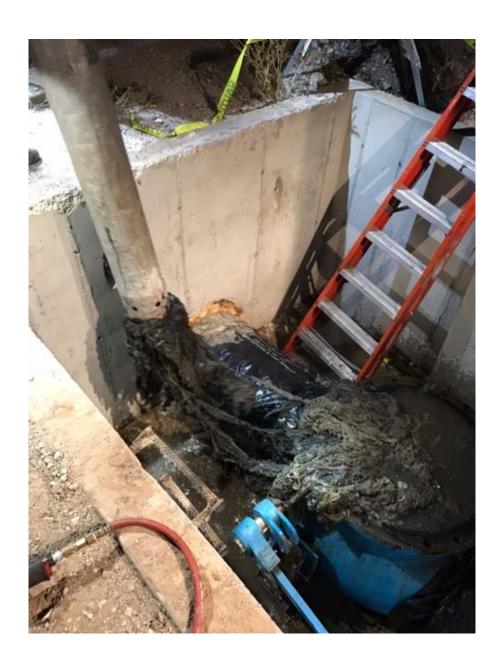
# System Maintenance Inefficiency

- Lake Havasu has approximately 350 miles of gravity sewer.
- The average cleaning frequency nation wide per year is about 33% of their collection systems. This would mean that about 115 miles of our sewer system should be cleaned per year for our city if we used the same standard.
- In the past 5 years we averaged approximately 60 to 70 miles of sewer lines cleaned per year. At this rate it would take about 5 years to clean the entire system. This does not take into effect frequent cleaning of the trouble areas.
- Due to unforeseen mechanical failures on our vactor trucks this year, we are looking at cleaning about 25 miles of sewer this year.
- Having 2 reliable trucks would allow us to be far more proactive in our preventative maintenance rather than reactive











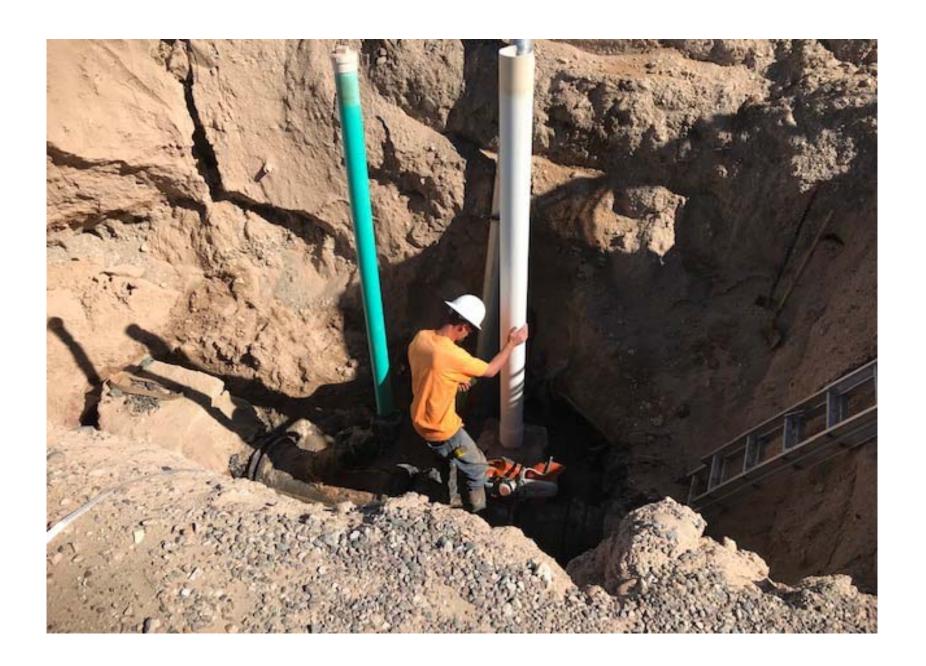




### **Utilization Between Divisions**

#### Water Division

- 1. Water meter repairs: digging around just the meter.
- 2. Water meter repair: vactoring out water to get to meters.
- 3. Water main repairs: removing water, dirt and rocks.
- 4. Water tap: digging around buried utilities.
- 5. Valve cleanout.
- 6. Water plant: vaults and pits.
- 7. Well tank cleanings.





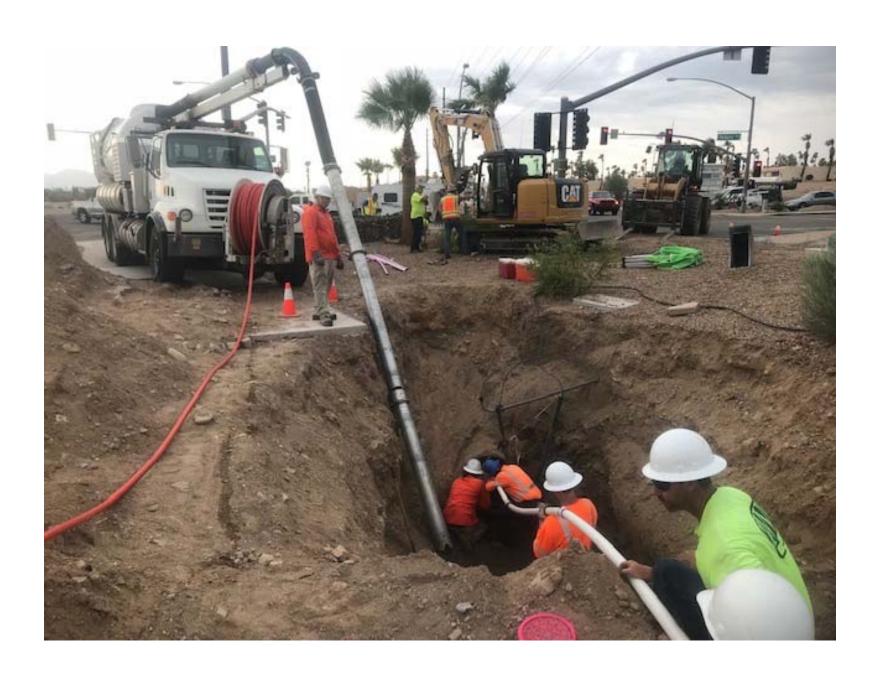


### **Utilization Between Divisions**

#### Streets Division and Parks Maintenance Division

- 1. Hydro excavating, including on McCulloch Blvd, parks, and around trees where many utilities exist.
- 2. Storm clean-up.
- 3. Storm sewer cleaning.
- 4. Culvert cleaning.









## Spill Clean-Up

- 1. Vactor up standing water after a spill.
- 2. Vactor up any debris after spill.
- 3. Disinfect areas during clean-up.
- 4. Wash down areas after clean-up.









## **Cost Savings**

- 1. Man-hours reduced because digging occurs in half the time.
- 2. Repairs to other utilities damaged by mechanical excavation.
- 3. Utilizing cross training. Freeing up Wastewater personnel when other departments need assistance
- 4. We would be less reliant on private pumpers. When assistance is needed, the private pumpers and haulers cannot handle the flow and are unreliable. (Note: there are not enough pumpers or haulers to handle the flow if a spill occurred at the London Bridge Road Lift Station).
- 5. Able to completely clean wet wells more often, keeping rags out of the pumps (The City has spent over \$150,000 over the last year on unscheduled pump repairs)

# Questions??