

Health & Safety: Water Quality

May 2021

PPS Team Lead: Steve Varblow

Number of Completed Projects: 1

Number of Active Projects: 16

STATUS AT A GLANCE

	As Planned	Caution	Impacts
Budget	X		
Equity		X	
Schedule			X
Overall			X

Legend:

	As planned: no concerns
	Caution: requires attention
	Impacts: impacts occurring

BUDGET

	Original Budget	Current Budget	Committed	Actuals To Date	Estimate At Completion	Over/Under	Completed Projects
Unallocated Funds	28,492,000	13,300,577	-	-	-	(13,300,577)	
Lead In Water-Emerg Resp - 4241	-	136,727	58,675	58,675	136,727	-	
Lead In Water Repairs - 4517	-	7,120,756	2,270,105	2,684,074	2,740,913	(4,379,843)	
Drink Fixt - Bid Package 31 - 5301	-	349,125	279,873	257,597	277,770	(71,355)	
Drink Fixt - Bid Package 32 - 5397	-	342,136	244,552	250	293,552	(48,584)	
Drink Fixt - Bid Package 33 - 5398	-	283,173	257,430	133,462	283,173	-	
Drink Fixt - Bid Package 34 - 5390	-	354,142	321,947	280,444	354,142	-	
Drink Fixt - Bid Package 35 - 5391	-	355,960	340,110	340,434	355,960	-	
Drink Fixt - Bid Package 36 - 5452	-	363,074	330,067	156,995	363,074	-	
Drink Fixt - Bid Package 37 - 5453	-	357,963	325,421	84,602	357,963	-	
Drink Fixt - Bid Package 38 - 5477	-	384,456	349,505	350	384,456	-	
Drink Fixt - Bid Package 39 - 5478	-	326,040	296,400	296	326,040	-	
Drink Fixt - Bid Package 40 - 5540	-	326,040	296,400	-	326,040	-	
Drink Fixt - Bid Package 41 - 5541	-	484,440	440,400	-	484,440	-	
Drink Fixt - Bid Package 42 - 5542	-	464,072	-	-	464,072	-	
Drink Fixt - Bid Package 43 - 5640	-	-	-	-	432,788	432,788	
Drink Fixt - Bid Package 44 - 4651	-	-	-	-	359,671	359,671	
Drink Fixt - Bid Package 45 - 5642	-	-	-	-	458,766	458,766	
Drink Fixt - Bid Package 46	-	-	-	-	425,982	425,982	
Drink Fixt - Bid Package 47	-	-	-	-	355,855	355,855	
Drink Fixt - Bid Package 48	-	-	-	-	582,029	582,029	
Drink Fixt - Bid Package 49	-	-	-	-	180,999	180,999	
Drink Fixt - Bid Package 50	-	-	-	-	177,072	177,072	
Water Quality Totals		24,948,682	5,810,884	3,997,178	10,121,484	(14,827,198)	

SCHEDULE

PROJECT	2021										2022					
	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
Lead In Water Repairs - 4517			★													
Drink Fixt - Bid Package 32 - 5397			★													
Drink Fixt - Bid Package 33 - 5398			★													
Drink Fixt - Bid Package 34 - 5390			★													
Drink Fixt - Bid Package 35 - 5391			★													
Drink Fixt - Bid Package 36 - 5452			★													
Drink Fixt - Bid Package 37 - 5453			★													
Drink Fixt - Bid Package 38 - 5477			★													
Drink Fixt - Bid Package 39 - 5478			★													
Drink Fixt - Bid Package 40 - 5540			★													
Drink Fixt - Bid Package 41 - 5541			★													
Drink Fixt - Bid Package 42 - 5542			★													
Drink Fixt - Bid Package 43 - 5640			★													
Drink Fixt - Bid Package 44 - 4651			★													
Drink Fixt - Bid Package 45 - 5642			★													
Drink Fixt - Bid Package 46			★													
Drink Fixt - Bid Package 47			★													
Drink Fixt - Bid Package 48			★													
Drink Fixt - Bid Package 49			★													
Drink Fixt - Bid Package 50			★													

Baseline

Planning

Design

Construction

PROJECT NOTES

Progress:

Design:

- 93 principal meetings complete, 4 meetings remaining
- 90 school/ facility designs have been completed, 8 school/facilities are in the design phase

Bid/ Procurement:

- 17 bid packages have been awarded, 1 bid package is out for bid, 2 bid packages are in the design phase
- Approximately 200 drinking fountain fixtures ordered directly by PPS to reduce procurement time

Construction:

- 10 schools substantially complete, 15 schools under construction, 5 schools ready for construction (will start after the school year finishes)
- 20 additional schools will begin construction this summer (pending fixture delivery)

Accomplishments:

Efficient Use of Budget:

- The Water Quality program is projected to spend less than \$18 million of the \$28 million allocated to the project, freeing money for other H&S priorities
- The team budgeted \$8.2 million for the first 17 bid packages (85% of projects). Those projects bid at \$6.38 million (including contingency) or 78% of budget.

Design Schedule:

- The design process, starting in April 2020 has been able to operate successfully through school and office closures. The teams has interviewed 93 principals and administrators and produced 90 sets of drawings.
- The first 90 drawing sets have been sent to bid on schedule, despite the closures and limited access to the facilities during Covid.

Low Test Results:

- The 10 schools we have tested and returned to service have averaged under 0.5ppb of Lead, 30x lower than the State of Oregon level for school drinking water.
- The 0.5ppb of lead testing average is 50% lower than the 1.0ppb goal the district set at the beginning of the Filtered Water pilot program (Feb 2020).

Risks:

Pilot Program Testing:

- The pilot program testing was paused in March of 2020 because the schools were not occupied and therefore weren't using the fixtures at normal rates. Test results looked great 70% of the way through the school year, but the test was not completed for a full school year.
- When we test all fixtures at the end of the school year, we may find some anomalies that will need to be addressed.

Supply Delays:

- The drinking fountains have caused significant delays in the schedule. Originally, they had a 3-week lead time. As of late summer 2020, it had become a 5-month lead time.
- Until we have all fixtures in hand, this procurement step will always be a risk.

Budget:

- The following may be budget risk issues:
 1. Old schools with old plumbing and old construction methods.
 2. Hazardous material testing/abatement in work area (asbestos)
 3. Limited access to schools for engineers and contractors for first bid packages (Covid Closures)