



WATER PURIFICATION PLANT EXPANSION



NEWPP Expansion Project MONTHLY STATUS REPORT



January 2020

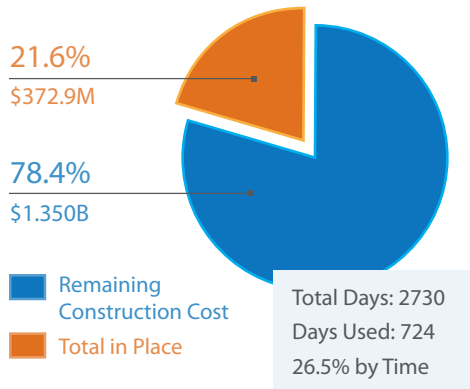
KEY PERFORMANCE INDICATORS (KPI)

Status through January 2020

KPI	Description	Target	Status	Trend (from last update)	Notes
Phase 1 Completion	Phase 1 (80 MGD) Substantial Completion date	Jan 25, 2023	●	▬	Phase 1 substantial completion as defined in Exhibit A of Amended and Restated Agreement.
Phase 2 Completion	Phase 2 (240 MGD) Substantial Completion date	June 27, 2025	●	▬	Phase 2 substantial completion as defined in Exhibit A of Amended and Restated Agreement.
D-B Financial Performance	D-B Authorized Amount vs. July 2019 Budget	\$1.765B	●	▬	Expenditure status based on base GMP and other amounts as defined in Exhibit F of Amended and Restated Agreement.
Safety	Number of reportable events	0	●	▬	1.63M hours to date. 4 OSHA recordable incidents. 0 lost time incidents.

- Actual Ahead of Target
- Actual Nearing Target
- Actual Behind Target
- ↑ Status Improved From Last Period
- ↓ Status Declined From Last Period
- ▬ Same as Last Briefing

CONSTRUCTION STATUS*



*Earned value based on current Design-Builder amount. Schedule based on duration from EWP 1 through Phase 2 Substantial Completion.

MWBE STATUS

SUBCONSULTANT PARTICIPATION - HWT*

M/WBE FIRMS – 14.9%

HWT – 85.1%

*As reported on COH OBO B2G contract audit summary.

SUBCONSULTANT PARTICIPATION - PATC*

M/WBE FIRMS – 26.3%

CAROLLO – 73.7%

*As reported on COH OBO B2G contract audit summary.

Percentages based on amount paid through January 2020

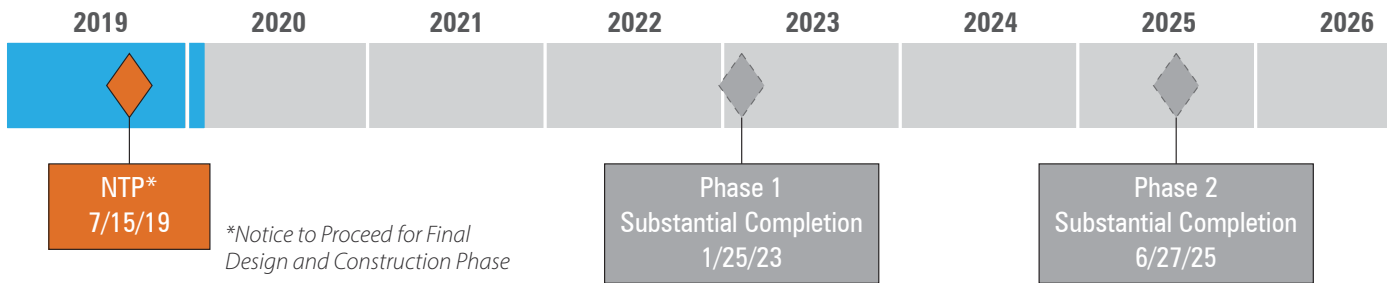
BUDGET SUMMARY

Status through invoice dates listed below.

	Budget ¹	Authorized Amount ²	Invoiced to Date ³	Invoice Date/ % Invoiced ³
Design-Builder (Houston Waterworks Team) ⁴	\$1,765,532,834	\$1,699,266,107	\$372,930,925	Dec 2019/21.6%
Project Advisor/Technical Consultant (Carollo Team) ⁵	\$95,759,349	\$89,520,497	\$32,671,609	Dec 2019/36.5%
Outside Legal (Hawkins Delafield and Wood)	\$2,131,590	\$1,931,590	\$1,591,995	Jul 2019/82.4%
City/Other ⁶	\$21,022,642	\$21,022,642	\$11,480,011	Dec 2018/54.6%
Management Reserve ⁷	\$88,243,764			
TOTAL⁸	\$1,972,690,179	\$1,767,704,836	\$418,674,540	

1. Budget as established July 2019.
2. Equals budget plus executed change orders/amendments less non-approved allowances less non-utilized contingency as of reporting date.
3. Sum total of approved invoices and City recovery costs as of Monthly Report issuance. Percentage = Invoiced/Authorized Amount.
4. Original budget equals initial contract amount + amendments 1-8, including allowances and contingency.
5. Original budget equals initial contract value + amendments/appropriations 1-6, minus adjustment per Cash Call #1.
6. Includes City Recovery, mitigation costs, and other miscellaneous items.
7. Owner's contingency used for funding approved change orders and other expenditures within Authorized Amounts column.
8. Does not include Houston \$75M reserve for 425 MGD rating work.

SCHEDULE STATUS



NOTEWORTHY ACCOMPLISHMENTS

- Central Plant: ongoing structural concrete for slabs, walls and upper deck continues on schedule. Completed excavation and site prep for LREQ structure. Completed installation of 84" wall spools and 60" suction piping (east side) for TPS1. Initiated sitework for TPS2.
- EWP4: ongoing final CLSM placement, manhole installation, welding and grouting joints, and storm drainage installation.
- EWP6 North Plant: ongoing subgrade prep, structural concrete work for stem walls, cross collectors and base slabs for various structures.
- EWP6 IPS: set final 120" pump can casing and continued deck concrete work.
- EWP 6 Substation: completed ground steel and bus support steel installation.
- LREQ: continued mass excavation and initiated rebar/formwork for pump station.
- Yard Piping: ongoing installation and welding 84" and 96" FW pipeline in Corridor 4 to HSPS, and 108", 84" and 120" FW pipelines in Corridor 5.
- South Plant: completed electrical under-slab duct work for main switch gear building, and initiated excavation for HSPS pump structure.

3-MONTH LOOK AHEAD

- Continue install of 84" and 96" FW pipeline in Corridor 4 to HSPS – February/March
- Continue install 108", 84" and 120" FW pipelines in Corridor 5 – March/April
- Initiate concrete on Gravity Sludge Thickener Complex 2, Facility 502 – March
- Initiate concrete on Ground Storage Tank 361 and 362 – March/April
- Continue medium voltage ductbank from substation to Building 111 – February/March
- Initiate 84" CFE and 36" FTW East Filter Complex Building 282 – March
- Finish electrical underground at Medium Voltage Electrical, Building 111 – February
- Initiate pump can installation at High Service Pump Station, Building 401 – March
- Initiate pressure testing of twin 108" pipelines – March

QUOTABLE

“As engineers, we have the duty to serve the public and contribute to the betterment of society. Once in a lifetime a project such as NEWPP provides the opportunity to improve our community with critical infrastructure and water accessibility for years to come, a legacy for those who come after us. It is an honor to be part of MHCROWA and the NEWPP project, and to work with so many dedicated professionals.”

– Hamlet Hovsepien, PMT

GOOD NEIGHBOR UPDATE

- **Next Meeting Date:** Q2 2020
- **Website:** <https://greaterhoustonwater.com/>



Under Slab Conduit Placement at Facility 111



TPS – Installed 60” Suction pipes (East Half)



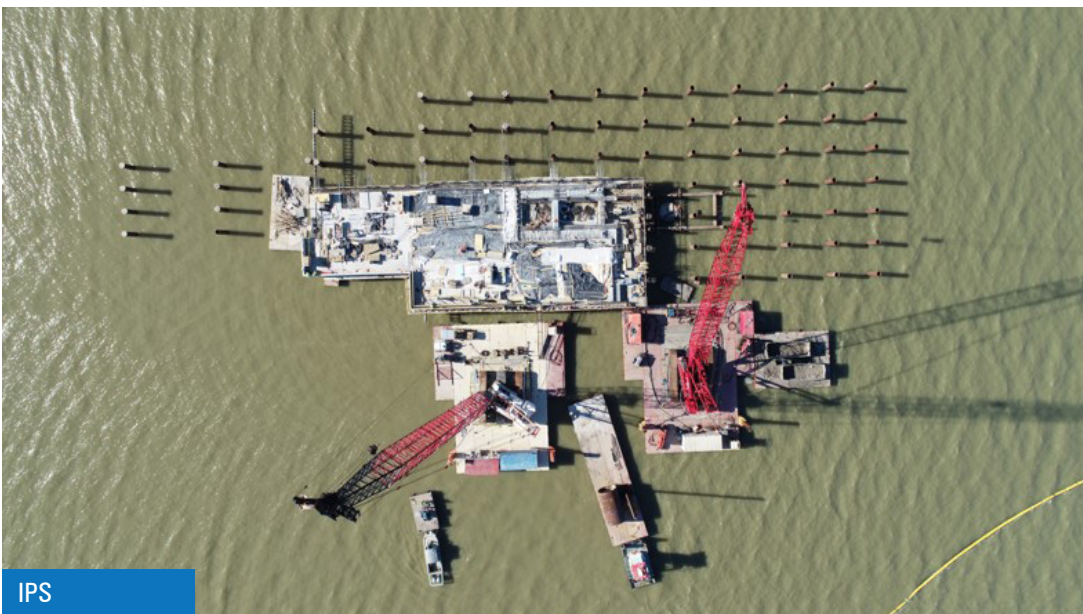
Excavation and dewatering for HSPS 401 pump cans



292 – Transfer Pump Station 2 - Mass Excavation



Facility 601/602 Excavation Progress



IPS