

NORTHEAST

WATER PURIFICATION PLANT EXPANSION



NEWPP Expansion Project MONTHLY STATUS REPORT



OCTOBER 2019

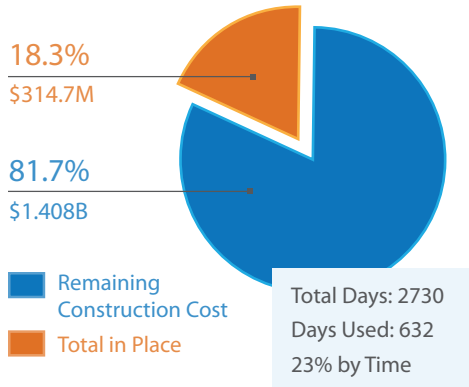
KEY PERFORMANCE INDICATORS (KPI)

Status through October 2019

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 & 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 & 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 & Restated Agreement.
Safety	Number of reportable events	0	●	▬	1.43M hours to date. 3 recordable incidents. 1 lost time incident.

- 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 • 19%

HWT • 81%

*As reported on COH OBO B2G contract audit summary.

SUBCONSULTANT PARTICIPATION - PATC*

M/WBE FIRMS • 28.2%

CAROLLO • 71.8%

*As reported on COH OBO B2G contract audit summary.

Percentages based on amount paid through October 2019

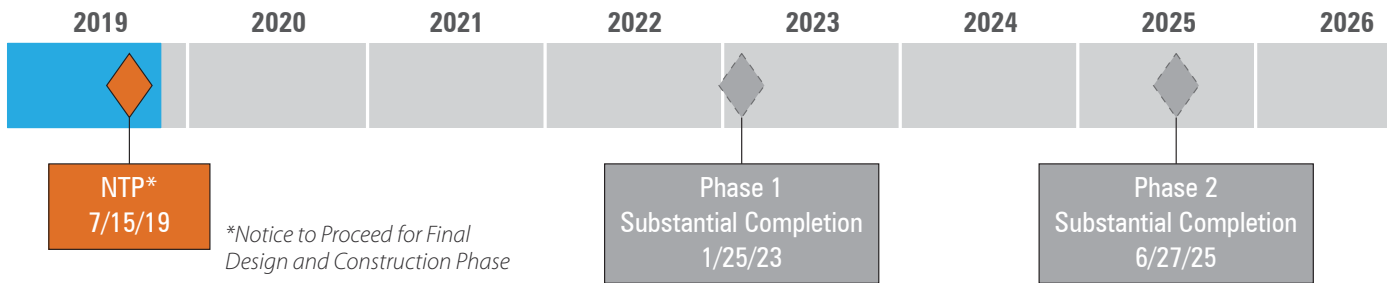
BUDGET SUMMARY

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	\$1,722,808,855	\$314,734,454	Sep 2019/18.3%
Project Advisor/Technical Consultant (Carollo Team) ⁵	\$95,759,349	\$89,520,497	\$30,564,832	Sep 2019/34.1%
Outside Legal (Hawkins Delafield & 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	\$1,763,396,727	\$347,185,530	

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 & City recovery costs as of Monthly Report issuance. Percentage = Invoiced/Authorized Amount.
4. Original budget equals initial contract amount + amendments 1-8, including allowances & 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 & other expenditures within Authorized Amounts column.
8. Does not include Houston \$75M reserve for 425 MGD rating work.

SCHEDULE STATUS



NOTEWORTHY ACCOMPLISHMENTS

- Central Plant structural concrete work continues on schedule. Formed Upper Manifold Deck 8 and completed wall pours. Completed west pipe encasement.
- EWP4 trench backfill in West Corridor ongoing. Completed shoring installation at transition to tunnels. Storm water tie-ins ongoing.
- EWP6 North Plant structural concrete work for stem walls, cross collectors and base slabs continues on schedule.
- EWP 6 IPS completed platform piles and initiated installation of 10 ft diameter pump cans.
- South Plant performed proof roll for GST 1&2.

3-MONTH LOOK AHEAD

- Complete EWP4 crossing of 66" water line at STA 134+00 – November
- Complete EWP4 crossing of 66 water line at STA 128+50 – December
- Begin EWP4 crossing of 60" storm line at STA 148+50 – November
- Submit draft baseline schedule for PMT review – November
- Submit final draft of BOP schedule of values for PMT review – November
- Continue excavation for east filter complex and liquid residual equalization – November/December
- Continue control narrative coordination workshops – November/December/January
- Begin ductbank installation in existing plant for primary feeders – November
- Begin ductbank installation in new facility – December
- Begin medium voltage underground for Main Switchgear Building (Bldg 111) – December
- Begin decking at the Influent Pump Station – December
- Begin 66" raw water realignment on north side of property – December
- Begin concrete work at Post Treatment Chemical Facility (Bldg 311) – January
- Begin bypass drain pump can installation in Central Plant east – January
- Submit final baseline schedule for review by PMT – January

QUOTABLE

“ Good projects come from good people. It’s a blessing to work on this project, with so many good people, working towards the same goal of constructing a World Class water treatment facility for the Houston area.”

– Phil Smith, PMT

GOOD NEIGHBOR UPDATE

- **Next Meeting Date:** Q1 2020
- **Website:** <https://greaterhoustonwater.com/>



Station 128+50 Tunnel Portal Shoring



Tunnel 2.0 Portal Excavation sta 134+50



281-FILTER MODULE- Pipe Encasement/Backfilling



Facility 242 Cross Collector and Stem Walls F/R/P/S