

NORTHEAST

WATER PURIFICATION PLANT EXPANSION



NEWPP Expansion Project MONTHLY STATUS REPORT



November 2019

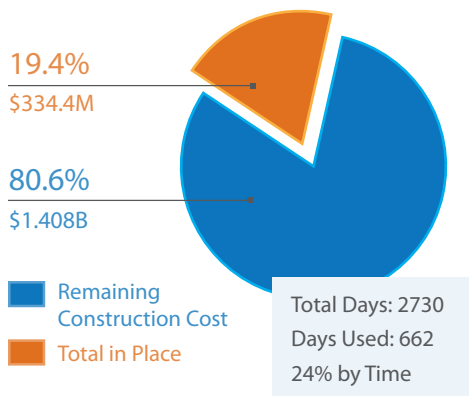
KEY PERFORMANCE INDICATORS (KPI)

Status through November 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 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	●	▬	1.5M hours to date. 16 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 – 14.8%

HWT – 85.2%

*As reported on COH OBO B2G contract audit summary.

SUBCONSULTANT PARTICIPATION - PATC*

M/WBE FIRMS – 27.9%

CAROLLO – 72.1%

*As reported on COH OBO B2G contract audit summary.

Percentages based on amount paid through November 2019

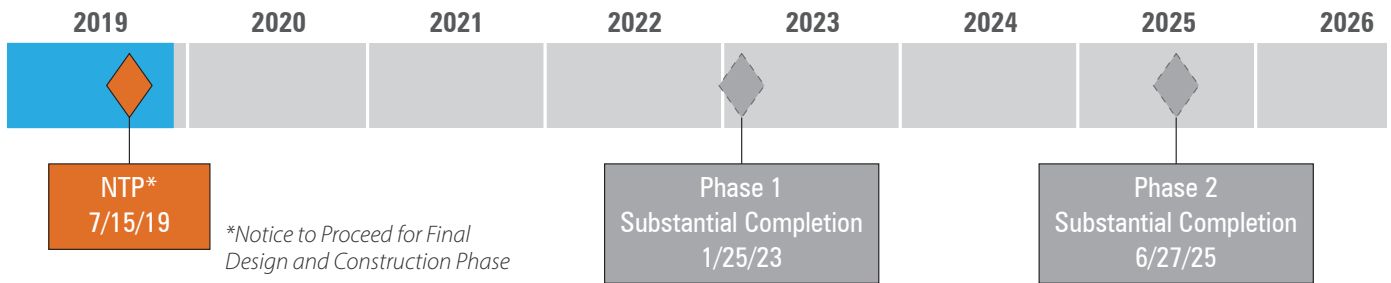
BUDGET SUMMARY

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	\$334,386,597	Oct 2019/19.4%
Project Advisor/Technical Consultant (Carollo Team) ⁵	\$95,759,349	\$89,520,497	\$31,233,145	Oct 2019/34.9%
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	\$1,763,396,727	\$378,691,748	

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



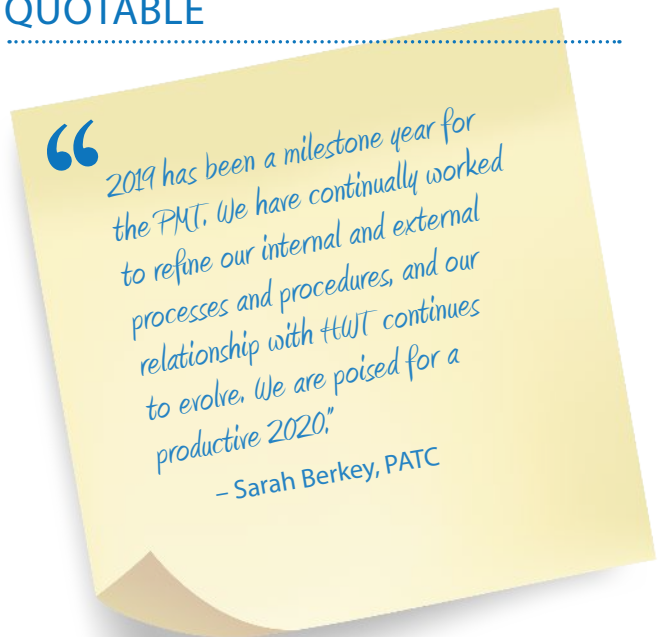
NOTEWORTHY ACCOMPLISHMENTS

- Central Plant structural concrete work continues on schedule. Formed base slabs B1B and B2B, and formed upper deck for contactors at TPS. Started groundwater dewatering for Filter Module 2.
- EWP4 completed shoring installation at 142.50 Jack’s Ditch. Initiated excavation for Tunnel 2.0. Welding and grouting of joints is ongoing.
- EWP6 North Plant structural concrete work for stem walls, cross collectors, and base slabs is ongoing.
- EWP 6 IPS set casing templates for 120” pump can casings. Completed formwork for IPS platform structure and completed flow fill installation for structure piles.
- South Plant initiated installation of stone columns for GST 1 and 2, and completed formwork and rebar for OF structure. Completed site prep work for switchgear building.

3-MONTH LOOK AHEAD

- Complete EWP4 crossing of 66 water line at STA 128+50 – December
- Continue excavation for east filter complex and liquid residual equalization and begin structural work – December
- Continue control narrative coordination workshops – December/January/February
- Begin duct bank installation in new facility – December
- Begin medium voltage underground for Main Switchgear Building (Bldg 111) – January
- Begin decking at the Influent Pump Station – December
- Begin 66” raw water realignment on north side of property – December/January
- Begin concrete work at Post Treatment Chemical Facility (Bldg 311) – January
- Begin bypass drain pump can installation in Central Plant east – January
- Begin install of 84” and 96” FW pipeline in Corridor 4 to HSPS – January/February
- Begin install 108”, 84” and 120” FW pipelines in Corridor 5 – January/February
- Begin mass excavation of the Gravity Sludge Thickener Complex 501 and 502 – January

QUOTABLE



GOOD NEIGHBOR UPDATE

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



Tunnel 2.0 sta 134+50



IPS platform construction



Facility 222 78" RW pipe penetration



GST Vibro-stone column installation



Facility 611 sedimentation basin