

# NORTHEAST

WATER PURIFICATION PLANT EXPANSION



## NEWPP Expansion Project MONTHLY STATUS REPORT



SEPTEMBER 2019

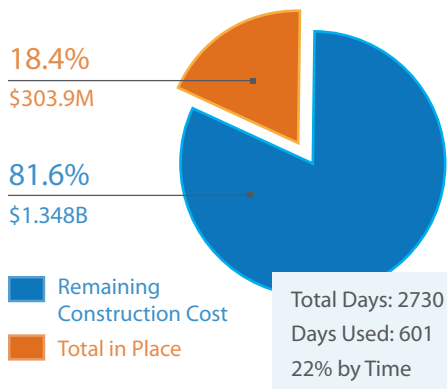
## KEY PERFORMANCE INDICATORS (KPI)

Status through September 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	●	■	1.34M 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 • 28.3%

CAROLLO • 71.7%

\*As reported on COH OBO B2G contract audit summary.

Percentages based on amount paid through September 2019

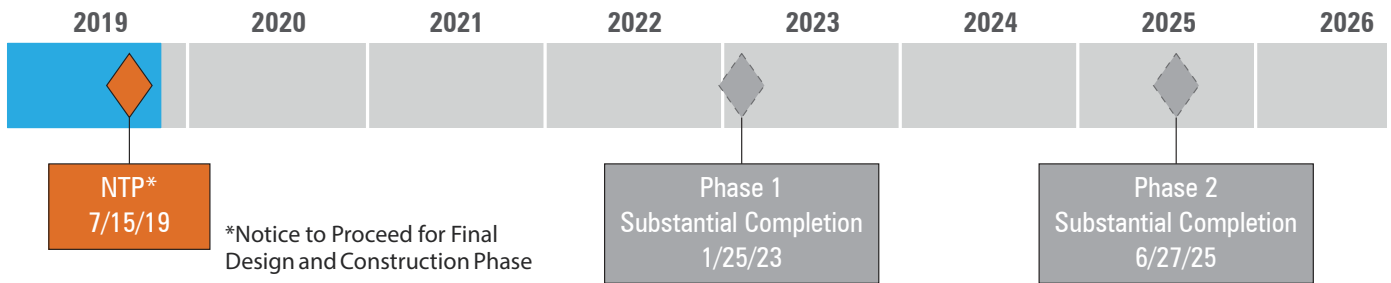
## BUDGET SUMMARY

Status through invoice dates listed below.

	Budget	Current Amount <sup>1</sup>	Invoiced to Date <sup>2</sup>	Invoice Date/ % Invoiced <sup>2</sup>
Design-Builder (Houston Waterworks Team) <sup>3</sup>	\$1,765,532,834	\$1,651,549,770	\$303,934,371	Aug 2019/18.4%
Project Advisor/Technical Consultant (Carollo Team) <sup>4</sup>	\$95,759,349	\$88,892,725	\$30,179,154	Aug 2019/32.7%
Outside Legal (Hawkins Delafield & Wood)	\$2,131,590	\$1,931,590	\$1,591,995	Aug 2019/82.4%
City/Other <sup>5</sup>	\$21,022,642	\$21,022,642	\$11,480,011	Dec 2018/54.6%
Management Reserve <sup>6</sup>	\$88,243,764	-----	-----	-----
<b>TOTAL<sup>7</sup></b>	<b>\$1,972,690,179</b>	<b>\$1,763,396,727</b>	<b>\$347,185,530</b>	

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

## SCHEDULE STATUS



## NOTEWORTHY ACCOMPLISHMENTS

- EWP1 punch list items ongoing; relocated soil stock pile and filled Pond 2
- Completed South Plant temporary power main feed.
- EWP 2 structural concrete work continues ahead of schedule. Installed pump cans for TPS.
- EWP4 welding and grouting of raw water pipe ongoing; initiated storm drainage tie-
- EWP6 North Plant vault stem wall and slab structural concrete work is proceeding on schedule.
- EWP6 IPS pump can installation initiated.
- Site work for administration building completed; trailer set-up and temporary power installation complete.

### 3-MONTH LOOK AHEAD

- Complete EWP4 crossing of 66" water line at STA 134+00 – October
- Complete EWP4 crossing of 66 water line at STA 128+50 – November
- Complete Balance of Plant (BOP) schedule of values – October
- Continue BOP baseline schedule development – September/October
- Continue excavation for east filter complex and liquid residual equalization – November/December
- Mobilize Alberici to jobsite for Dewatering Building – October
- Mobilize Horizon to jobsite for Administration/Maintenance Building – October
- Begin control narrative coordination workshops – October
- Begin duct bank installation in existing plant for primary feeders – November
- Begin duct bank installation in new facility – December
- Begin decking at the Influent Pump Station – December

### GOOD NEIGHBOR UPDATE

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

### QUOTABLE

“More than 650 people come to work on the project daily, putting their hearts and souls into building a great drinking water treatment plant for Houston areas citizens. HWT is committed to deliver the project and make high quality drinking water ahead of schedule and within budget. We look forward to our success with one another.”

– Paul Vranesic, HWT



Storm Drainage Installation in West Corridor



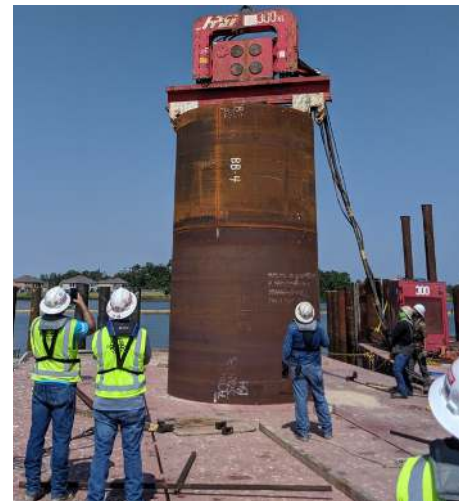
Filter Module- CFE/FTW Pipeline Encasement



TPS – Installing Pump Cans



Facility 611 Cross Collector Rebar and Concrete Placement



Preparing To Drive 10' Pump Can Casings at Intake Pump Station