



WATER PURIFICATION PLANT EXPANSION



NEWPP Expansion Project MONTHLY STATUS REPORT



December 2019

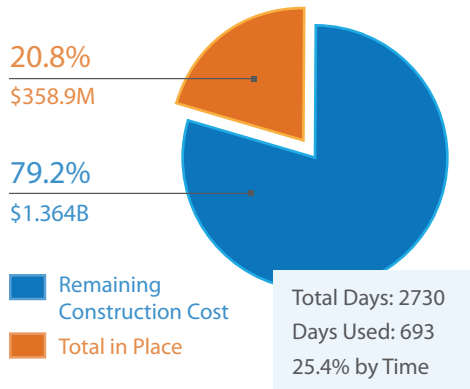
KEY PERFORMANCE INDICATORS (KPI)

Status through December 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	●	▬	1.63M 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 – 14.5%

HWT – 85.5%

*As reported on COH OBO B2G contract audit summary.

SUBCONSULTANT PARTICIPATION - PATC*

M/WBE FIRMS – 26.8%

CAROLLO – 73.2%

*As reported on COH OBO B2G contract audit summary.

Percentages based on amount paid through December 2019

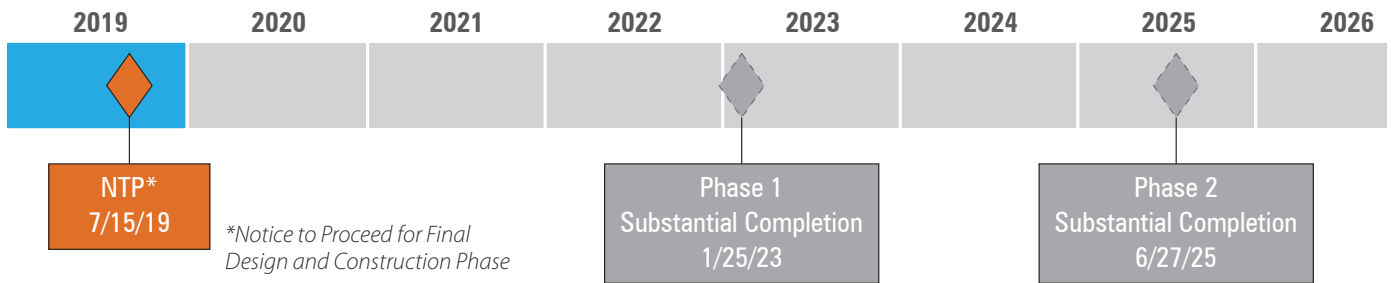
BUDGET SUMMARY

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	\$358,860,033	Nov 2019/19.4%
Project Advisor/Technical Consultant (Carollo Team) ⁵	\$95,759,349	\$89,520,497	\$32,199,939	Nov 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	\$404,131,978	

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. Poured base slabs and walls for B1B, B2B, and upper deck of contactors at TPS. Completed excavation and site prep for LREQ structure.
- EWP4 Completed pipe installation at Tunnel 2.0, and uncrossing at sta. 128+50
- EWP6 North Plant structural concrete work for stem walls, cross collectors and base slabs for various structures ongoing.
- EWP 6 IPS set casing templates for 120" pump can casings and initiated casing install. Completed platform pile installation and formwork for IPS platform structure, and initiated deck concrete work.
- EWP 6 Substation completed transformer and initiated conduit/duct bank install.
- South Plant install of stone columns for GST 1&2 ongoing. Completed concrete work for OF structure. Completed site prep work for switchgear building and dewatering building.

3-MONTH LOOK AHEAD

- Continue control narrative coordination workshops – *January*
- Complete decking at IPS – *January*
- Initiate concrete work at Post Treatment Chemical Facility (Bldg 311) – *January*
- Initiate bypass drain pump can installation in Central Plant East – *January*
- Initiate install of 84" & 96" FW pipeline in Corridor 4 to HSPS – *January/February*
- Initiate install 108", 84" & 120" FW pipelines in Corridor 5 – *January/February*
- Initiate install of underslab pipe/electrical and concrete for GST Facility 501 – *January*
- Initiate concrete on Gravity Sludge Thickener Complex 2, Facility 502 – *January*
- Initiate concrete on Ground Storage Tank 361 and 362 – *January*
- Continue medium voltage ductbank from substation to Building 111 – *January*
- Subcontract for north tunnel under West Lake Houston Parkway
- Complete dredging and install of pump cans at IPS – *January*
- Initiate 84" CFE and 36" FTW East Filter Complex Building 282 – *January*

QUOTABLE

“Through 2019, the NEWPP Team successfully navigated the initial construction phase activities. Now, we ramp-up and continue our effort to support success for upcoming project milestones.”
 – Tracy Kimnach, PATC

GOOD NEIGHBOR UPDATE

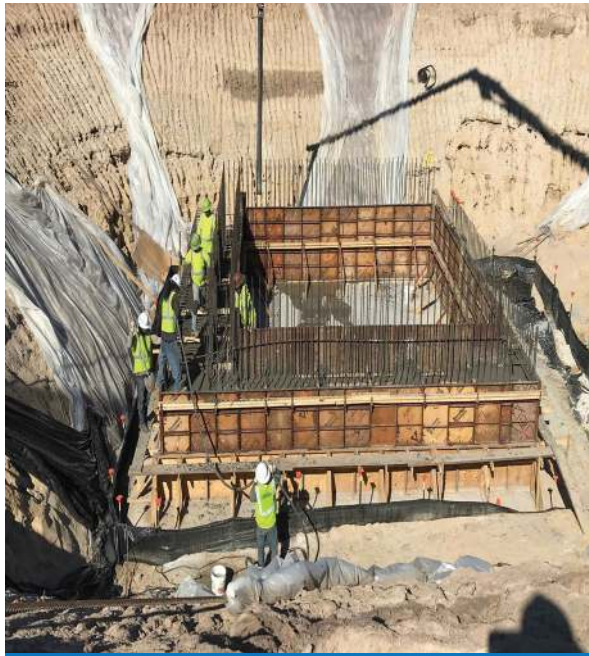
- **Next Meeting Date:** Q1 2020
- **Website:** <https://greaterhoustonwater.com/>



Sta 128+50 Pipe Installation



IPS Deck Formwork



Facility 601 Lower Slab and Walls



Facility 102 Transformer Installation



Gst 362 Trench Prep for 102" FW Pipe

Installing sheet piles for the 102" pipe at GST 362.