

NORTHEAST

WATER PURIFICATION PLANT EXPANSION



NEWPP Expansion Project MONTHLY STATUS REPORT



May 2022

KEY PERFORMANCE INDICATORS (KPI)

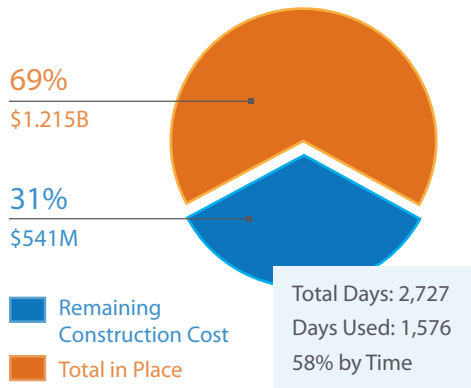
Status through May 2022

KPI	Description	Target*	Status	Trend (from last update)	Notes
Phase 1 Completion	Phase 1 (80 MGD) Substantial Completion date	Feb 20, 2023	●	↑	HWT Progress Schedule forecasts a 3/7/23 completion (-16 days float).
Phase 2 Completion	Phase 2 (240 MGD) Substantial Completion date	Jul 23, 2025	●	↑	HWT Progress Schedule forecasts a 8/4/25 completion (-13 days float).
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	●	▬	6.691M hours to date. 18 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

*Includes days added via Change Order for unforeseen conditions.

CONSTRUCTION STATUS*



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

M/WBE 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 – 30.2%

CAROLLO – 69.8%

*As reported on COH OBO B2G contract audit summary.

Percentages based on amount paid through May 2022

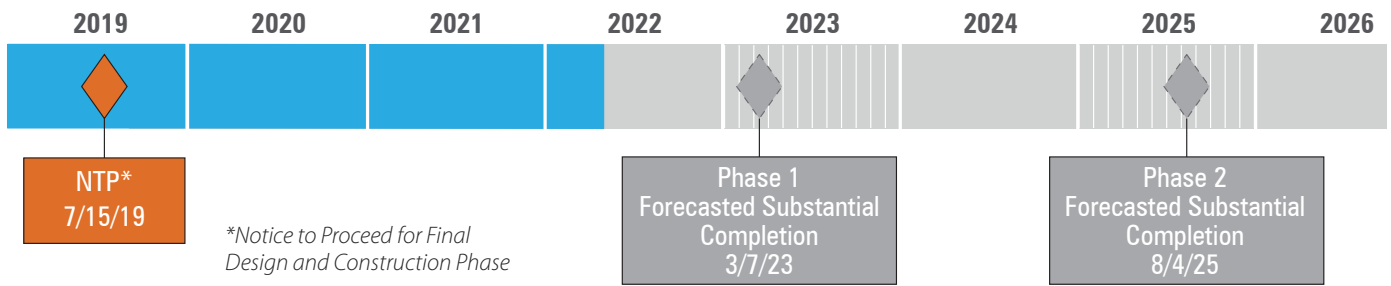
BUDGET SUMMARY

Status through invoice dates listed below.

	Budget ¹	Authorized Amount ^{2,9}	Invoiced to Date ³	Invoice Date/ % Invoiced ³
Design-Builder (Houston Waterworks Team) ⁴	\$1,765,532,834	\$1,756,096,659	\$1,215,470,842	April 2022/69.2%
Project Advisor/Technical Consultant (Carollo Team) ⁵	\$95,759,349	\$89,520,497	\$58,097,584	April 2022/64.9%
Outside Legal (Hawkins Delafield and Wood)	\$2,131,590	\$1,931,590	\$1,591,995	July 2019/82.4%
City/Other ⁶	\$21,022,642	\$21,022,642	\$16,783,263	June 2021/79.8%
Management Reserve ⁷	\$88,243,764	-	-	-
TOTAL⁸	\$1,972,690,179	\$1,868,571,388	\$1,291,943,684	

- Budget as established July 2019.
- Equals budget plus executed change orders/amendments less non-approved allowances less non-utilized contingency as of reporting date.
- Sum total of approved invoices and City recovery costs as of Monthly Report issuance. Percentage = Invoiced/Authorized Amount.
- Original budget equals initial contract amount + amendments 1-8, including allowances and contingency.
- Original budget equals initial contract value + amendments/appropriations 1-6, minus adjustment per Cash Call #1.
- Includes City Recovery, mitigation costs, and other miscellaneous items.
- Owner's contingency used for funding approved change orders and other expenditures within Authorized Amounts column.
- Does not include Houston \$75M reserve for 425 MGD rating work.
- Does not include Subcontract values above \$20M allocation in BOP Sub-Alliance #9; funds are currently in dispute.

SCHEDULE STATUS



NOTEWORTHY ACCOMPLISHMENTS

- **Central Plant:** Ongoing filter media install and backwashing facility 281 Filter Module 1; ongoing filter leak test and underdrain anchor install facility 282 Filter Module 2; ongoing mechanical piping testing install facility 291TPS; CMU block install facility 292 TPS; ongoing application of process mechanical piping coating facilities 311 and 312; ongoing CMU block install facility 313.
- **North Plant:** Ongoing structural, building, mechanical, and electrical work all facilities.
- **Site Civil:** Ongoing install overflow channel; install rebar and finish concrete driveway facility 520.
- **Admin and Maintenance Buildings:** Regrade of Pond 4.
- **LREQ:** Process mechanical piping install facility 601, and install mechanical gates facility 602.
- **Yard Piping:** Ongoing install of pump station facilities 704 and 711; install of temp 42-inch commissioning pipe.
- **South Plant:** Ongoing leak test GST 362; ongoing install process mechanical and electrical facility 520 Dewatering Building; ongoing install of HVAC and above ground piping facility 401 HSPS.
- **Substation and Site Electrical:** Ongoing busduct install facilities 401 and 402.

3-MONTH LOOK AHEAD

- Complete the performance testing of raw water pumps at the Intake Pump Station-ongoing through July
- Complete the Chlorine Dioxide solution lines to the IPS-ongoing through August
- Ready Administration and Maintenance Building for Substantial and Final Completion-ongoing through September
- Continue focus on chemical feed and ozone systems installation for Phase 1 North Plant-ongoing through August
- Install filter media and complete chemical piping at Phase 1 Central Plant-ongoing through September
- Complete 108" raw water lines connection between corridor and North Plant-ongoing through August
- Complete 120" finish water line connection to NETL-August through October
- Complete discharge piping for Phase 1 HSPS-ongoing through August
- Install temporary recirculation pipe system to facilitate commissioning and start up-ongoing through August
- Commission Dewatering Facility-ongoing through August
- Continue Phase 1 site paving-ongoing through December
- Commence and continue construction of GST 4, then 3-August through August 2023
- Wrap up Filter and TPS concrete structure construction at Phase 2 facilities-ongoing through September
- Continue installing filter gallery piping in Phase 2 filter-ongoing through January 2023
- Chemical tank installations at Phase 2 bulk storage areas in North and Central Plants continues-ongoing through November
- Install structural steel and precast for Phase 2 HSPS-August through December
- Site grading and drainage work continues across the site-ongoing through December



Being able to see first-hand how the NEWPP Expansion Project is coming together has truly been a rewarding experience. I look forward to completion of the Phase 1 construction work and the start-up and commissioning efforts."

- Jose Cairo, Area Manager
Project Management Team

GOOD NEIGHBOR UPDATE

- **Next Meeting Date:** Q3 2022
- **Website:** <https://greaterhoustonwater.com/>



42-inch Temp Commissioning Pipeline



Facility 282- Leak Test



Central Plant - Phase 2



252-Ozone Contactor 2: Diffuser Bubble Test



Rebar Install Facility 520 Driveway

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