

NORTHEAST

WATER PURIFICATION PLANT EXPANSION



NEWPP Expansion Project MONTHLY STATUS REPORT



June 2022

KEY PERFORMANCE INDICATORS (KPI)

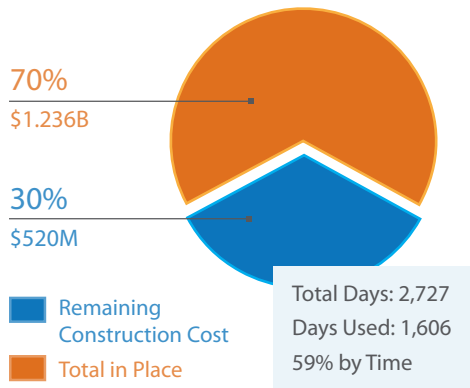
Status through June 2022

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	●	▬	6.872M 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 – 14.7%

HWT – 85.3%

*As reported on COH OBO B2G contract audit summary.

SUBCONSULTANT PARTICIPATION - PATC*

M/WBE FIRMS – 30.3%

CAROLLO – 69.7%

*As reported on COH OBO B2G contract audit summary.

Percentages based on amount paid through June 2022

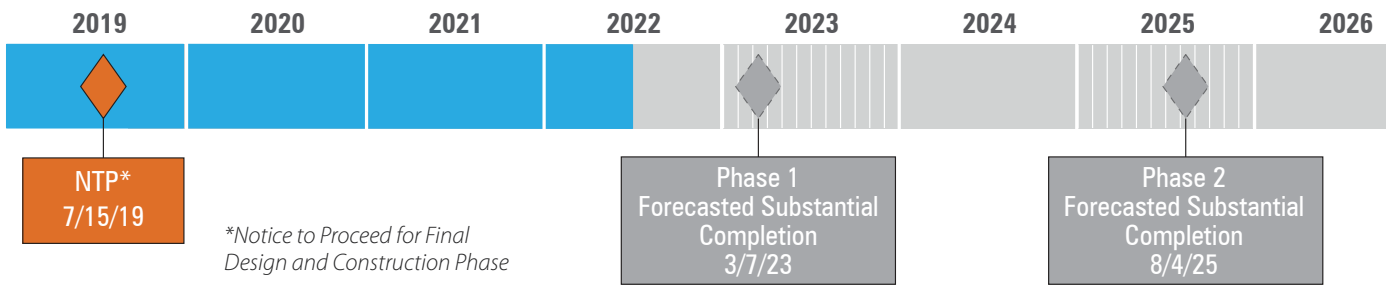
BUDGET SUMMARY

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	\$1,757,144,386	\$1,236,053,636	May 2022/70.3%
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	\$1,869,619,115	\$1,312,526,478	

- 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:** Filter media depth verification facility and equipment training 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 testing of process mechanical piping facilities 311 and 312 post chemical feed; ongoing process mechanical piping facilities 313 & 314 post chemical feed.
- **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:** Install tile; f/r/p Plaza footings.
- **LREQ:** Process mechanical piping install facility 601; install handrail and weir plates facility 602.
- **Yard Piping:** Ongoing install of pump station facilities 704 and 711; ongoing install of temporary commissioning 42-inch pipeline.
- **South Plant:** Ongoing leak test GST 362; ongoing install process mechanical and electrical facility 520 Dewatering Building; ongoing install of above ground piping and conduit terminations facility 401 HSPS.
- **Substation and Site Electrical:** Ongoing busduct, LCP and RIO install facility 520; install server rack and monitors in Admin Building; energized facility 401 HSPS.

3-MONTH LOOK AHEAD

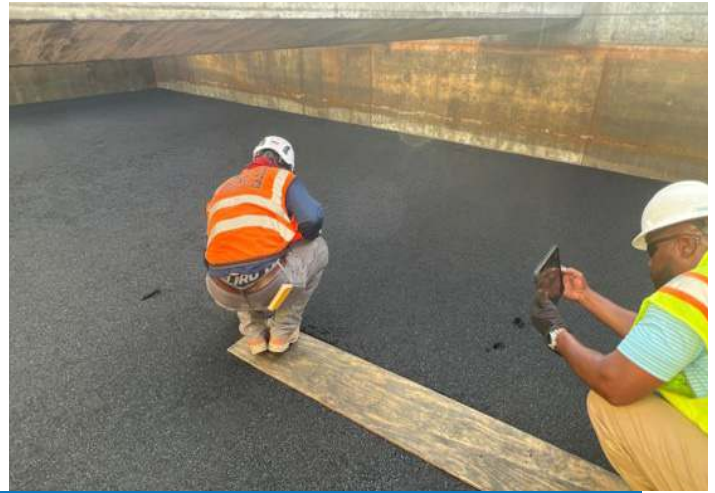
- Recommence the performance testing of raw water pumps at the Intake Pump Station-August
- Complete punchlist work for Intake Pump Station-ongoing through September
- Install Control Room furniture and SCADA hardware in Administration Building and prepare for Phase 1 commissioning-ongoing through October
- Continue focus on chemical feed and ozone systems installation for Phase 1 North Plant-ongoing through September
- Test and commission chemical feed systems for Phase 1 Filters and Transfer Pump Station-ongoing through September
- Install Plate Settler and Mixer equipment in Phase 2A-facility 241 of North Plant-ongoing through September
- Continue installing storm drain piping and GST overflow channel systems-ongoing through December
- Complete 120" finish water line connection to NETL-August through October
- Install Filter underdrains and TPS pumps at Phase 2 facilities-August through December
- Continue installing filter gallery piping in Phase 2 filter-ongoing through January 2023
- Continue North Plant Phase 2 concrete structure construction of Floc/Sedimentation Basins-ongoing through March 2023
- Chemical tank installations at Phase 2 bulk storage areas in North and Central Plants continues-ongoing through November
- Commence and continue recirculating water through Phase 1 process for commissioning effort-August through February 2023

“On my first day of this project, I thought that this project would be challenging to complete, but I remembered what Nelson Mandela said: “. . . it always seems impossible until it's done.” We are now close to completing half of the project, and I look forward to seeing the day we say it's done.”

- Adam Sumet, Area Manager
Project Management Team

GOOD NEIGHBOR UPDATE

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



Facility 281 Filter Module - Media Washing and Depth Verifications



Facility 401 Energized



Facility 314 - Metering Pumps Installation



Facility 281 Filter Module - Equipment Training

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