

NORTHEAST

WATER PURIFICATION PLANT EXPANSION



NEWPP Expansion Project MONTHLY STATUS REPORT



July 2022

KEY PERFORMANCE INDICATORS (KPI)

Status through July 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 3/3/23 completion (-12 days float).
Phase 2 Completion	Phase 2 (240 MGD) Substantial Completion date	Jul 23, 2025	●	↑	HWT Progress Schedule forecasts a 7/28/25 completion (-6 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	●	↓	7.036M hours to date. 20 OSHA recordable incidents. 0 lost time incidents.

● Actual Ahead of Target

● Actual Nearing Target

● Actual Behind Target

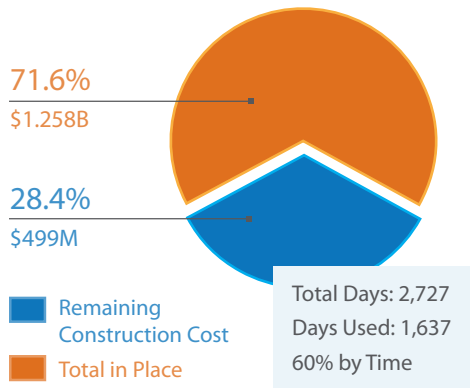
↑ Status Improved From Last Period

↓ 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 – 30.4%

CAROLLO – 69.6%

*As reported on COH OBO B2G contract audit summary.

Percentages based on amount paid through July 2022

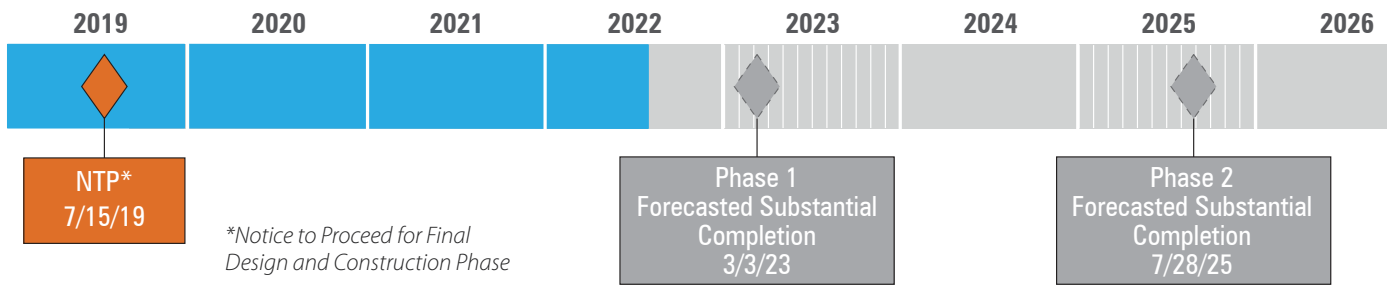
BUDGET SUMMARY

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	\$1,757,691,300	\$1,258,284,653	June 2022/71.6%
Project Advisor/Technical Consultant (Carollo Team) ⁵	\$95,759,349	\$89,520,497	\$60,045,195	June 2022/67.1%
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	\$1,336,705,106	

- 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:** Chemical pipe testing facility 281 Filter Module 1; ongoing filter leak test and underdrain anchor install facility 282 Filter Module 2; ongoing mechanical piping testing 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 and 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 workstation furniture and appliances.
- **LREQ:** Ongoing process mechanical piping install facility 601.
- **Yard Piping:** Ongoing install of pump station facilities 704 and 711; ongoing install of temporary commissioning 42-inch pipeline; install new 66-inch raw water valve.
- **South Plant:** Ongoing install process mechanical and electrical facilities 510 and 520; ongoing install of above ground piping, conduit terminations and translucent panels facility 401 HSPS.
- **Substation and Site Electrical:** Ongoing busduct testing facility 401; ongoing wire termination and switch install various facilities.

3-MONTH LOOK AHEAD

- Complete the performance testing of raw water pumps at the Intake Pump Station–August
- Install Control Room furniture and SCADA hardware in Administration Building and prepare for Phase 1 commissioning–ongoing through October
- Continue interconnection standby power to new Main Switchgear Building 111 –August through October
- Continue chemical feed and ozone systems installation for Phase 1 North Plant–ongoing through November
- Commence Phase 2A Ozone Contactor structure 251 construction
- Install filter media in Phase 2A Filters 1-6–ongoing through October
- Install plate settler and mixer equipment in Phase 2A–facility 241 of North Plant –ongoing through September
- Complete 120" finish water line connection to NETL–September through October
- Complete Phase 1 storm drain system–ongoing through January
- Continue Phase 1 site paving–ongoing through March
- Commence and continue construction of GST 4, then GST 3–August through August 2023
- Continue install filter underdrains and set Transfer Pump Station pumps at Phase 2 facilities–August through December
- Continue install 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 commissioning of Phase 1 facilities–September through November

“As someone who’s been involved since the early days of planning, I’m excited to see the project approach Phase 1 construction completion. I appreciate the hard work, dedication and commitment from all of the teams, overcoming a number of challenges to construct a world class facility that will provide safe, clean and sustainable drinking water to the region for generations to come.”

– Marcel Khouw, Central Harris County Regional Water Authority Representative

GOOD NEIGHBOR UPDATE

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



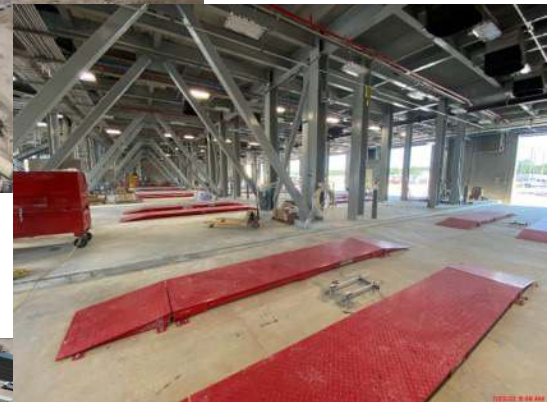
Facility 252 - Ozone Contactor 2:
Diffuser Installation



Facility 241 - Placement of Columns and Beams



Central Plant - Phase 2



Facility 520 - Dewatering Building
Truck Scale Installation



Facility 601/602 - LREQ