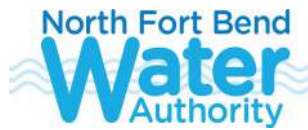




WATER PURIFICATION PLANT EXPANSION



NEWPP Expansion Project MONTHLY STATUS REPORT



March 2022

KEY PERFORMANCE INDICATORS (KPI)

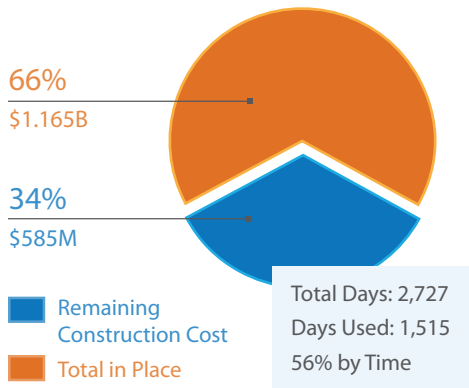
Status through March 2022

KPI	Description	Target*	Status	Trend (from last update)	Notes
Phase 1 Completion	Phase 1 (80 MGD) Substantial Completion date	Mar 20, 2023	●	↑	HWT Progress Schedule forecasts a 3/20/23 completion (-29 days float).
Phase 2 Completion	Phase 2 (240 MGD) Substantial Completion date	Aug 20, 2025	●	↑	HWT Progress Schedule forecasts a 8/20/25 completion (-29 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	●	▬	6.326M hours to date. 17 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 – 29.6%

CAROLLO – 70.4%

*As reported on COH OBO B2G contract audit summary.

Percentages based on amount paid through Mar 2022

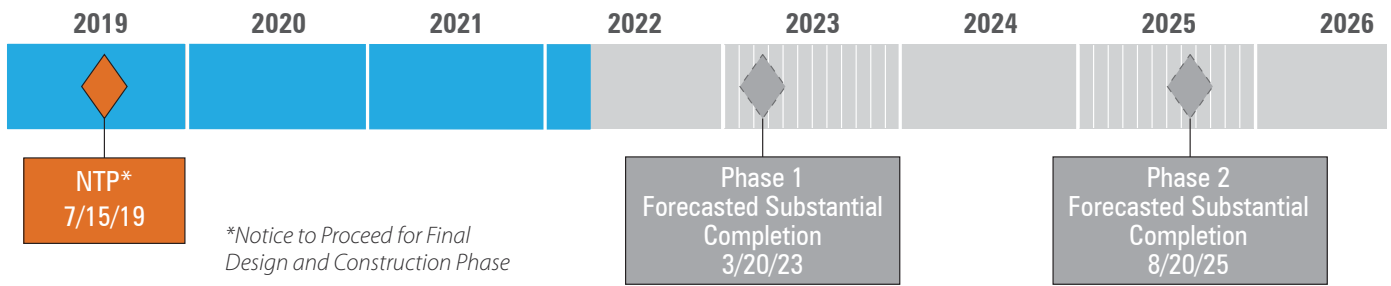
BUDGET SUMMARY

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	\$1,750,819,021	\$1,165,427,685	February 2022/65.6%
Project Advisor/Technical Consultant (Carollo Team) ⁵	\$95,759,349	\$89,520,497	\$56,178,786	February 2022/62.8%
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	\$1,863,293,750	\$1,239,981,729	

- 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 install access ramp facility 281 Filter Module 1; ongoing masonry and structural steel and pipe install facility 282 Filter Module 2; ongoing install chemical lines and HVAC facility 291TPS; ongoing install of process mechanical piping facilities 311 and 312. Ongoing F/R/P concrete work facilities 313 and install SH and CS metal tanks facility 314.
- **North Plant:** Ongoing structural, building, mechanical, and electrical work all facilities.
- **Site Civil:** Ongoing install overflow channel.
- **Admin and Maintenance Buildings:** Ongoing installation of countertops and interior storefront doors.
- **LREQ:** Ongoing install of storm culvert between facilities 601/602, ongoing duct bank install facility 601, and ongoing interior wall finish facility 602.
- **Yard Piping:** Completed install of 66-inch RW west tie-in, plug valve, and bypass piping, and initiated hydro-excavation install of pump station facility 704.
- **South Plant:** Ongoing leak test GST 361; ongoing install of centrifuge feed pumps, and ongoing install process mechanical and electrical facility 520 Dewatering Building; ongoing install of lighting and electrical and building mechanical and miscellaneous metals facility 401 HSPS.
- **Substation and Site Electrical:** Ongoing busduct install facility 401; ongoing wire install facilities 213 and 242.

3-MONTH LOOK AHEAD

- Complete performance testing of raw water pumps at the Intake Pump Station - ongoing through May
- Construct stormwater detention basin and site restoration at Intake Pump Station - ongoing through June
- Complete the raw water pipe corridor storm sewer crossing and corridor restoration - ongoing through June
- Ready Administration and Maintenance Building for Substantial and Final Completion - ongoing through June
- Complete control room Furniture and SCADA equipment Installation - begin using SCADA for commissioning effort - ongoing through October
- Continue focus on chemical feed and ozone systems installation for Phase 1 North Plant - ongoing through August
- Install Phase 1 LOX and Vaporizer Equipment and piping - ongoing through July
- Continue testing SCADA systems for Phase 1 Filter, Phase 1 HSPS components, and IPS control - ongoing through July
- Install filter media and complete chemical piping at Phase 1 Central Plant - ongoing through September
- Complete discharge piping for Phase 1 HSPS to facilitate Phase 1 plant wide water recirculation effort - ongoing through August
- Commence punchlist/detail finish work at Dewatering Facility to ready for commissioning - ongoing through June
- Commence and continue Phase 1 site paving at Dewatering Facility - April through October
- Continue use of GST 1 and 2 for Phase 1 HSPS pump testing and filter media installation - ongoing through September
- Concrete structure construction at Phase 2 facilities - ongoing through December
- Continue installing filter gallery piping in Phase 2 filter - ongoing through August

“So professionally satisfying to be part of the team insuring the City receives a flagship water treatment plant.”

— Watt Durden
I&C Area Manager
NEWPP PMT

GOOD NEIGHBOR UPDATE

- **Next Meeting Date:** Q2 2022
- **Website:** <https://greaterhoustonwater.com/>



Central Plant - Phase 2



66" RW Tie-In Pipe Plug and Bypass Piping



Facility 401 - Busduct Installation piping



Facility 401 - High Service Pump Station



Facility 401 - High Service Pump Station