

NORTHEAST

WATER PURIFICATION PLANT EXPANSION



NEWPP Expansion Project MONTHLY STATUS REPORT



December 2020

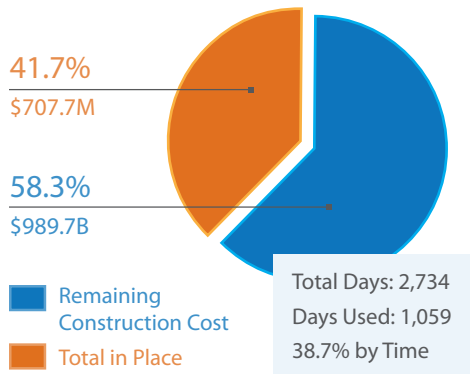
KEY PERFORMANCE INDICATORS (KPI)

Status through December 2020

KPI	Description	Target	Status	Trend (from last update)	Notes
Phase 1 Completion	Phase 1 (80 MGD) Substantial Completion date	Jan 29, 2023	●	↓	November schedule update shows negative float. HWT working to rectify.
Phase 2 Completion	Phase 2 (240 MGD) Substantial Completion date	July 1, 2025	●	↓	November schedule update shows negative float. HWT working to rectify.
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	●	↓	3.413M hours to date. 8 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.

M/WBE STATUS

SUBCONSULTANT PARTICIPATION - HWT*

M/WBE FIRMS – 12.9%

HWT – 87.1%

*As reported on COH OBO B2G contract audit summary.

SUBCONSULTANT PARTICIPATION - PATC*

M/WBE FIRMS – 29.2%

CAROLLO – 70.8%

*As reported on COH OBO B2G contract audit summary.

Percentages based on amount paid through Dec 2020

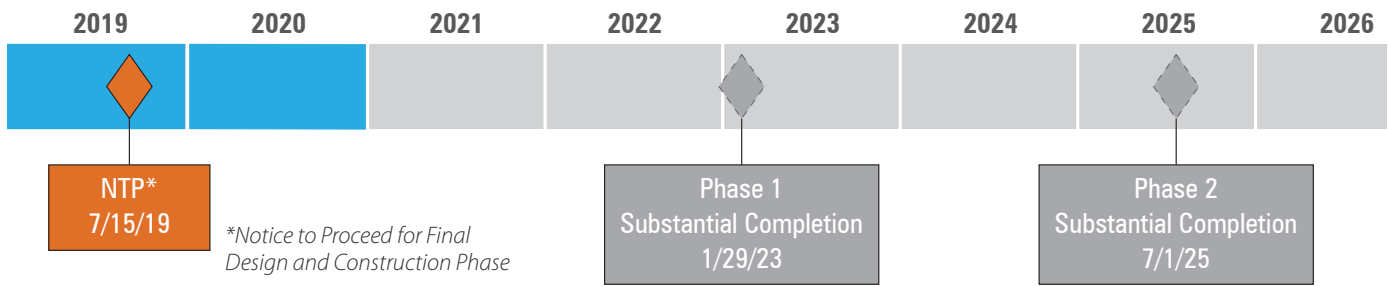
BUDGET SUMMARY

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	\$1,697,387,382	\$707,670,175	Nov 2020/41.7%
Project Advisor/Technical Consultant (Carollo Team) ⁵	\$95,759,349	\$89,520,497	\$43,208,793	Dec 2020/49.2%
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	\$1,809,862,111	\$763,950,973	

- 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.

SCHEDULE STATUS



NOTEWORTHY ACCOMPLISHMENTS

- **Central Plant:** Trough installation, masonry and piping supports facility 281 filter module 1; ongoing pump can placement facility 292 transfer PS and VTPs facility 291 transfer PS; CS tank fabrication facility 311 post-chemical no. 1.
- **North Plant:** Ongoing structural for work all structures.
- **IPS:** Ongoing installation of PS structural steel members, and precast building panels.
- **Admin Building:** Installation of precast panels and plumbing at Admin Building; initiated CMU wall construction at Maintenance Building.
- **LREQ:** Finish interior of basin facility 601; formwork and rebar installation main slab facility 602.
- **Yard Piping:** Ongoing installation of 84- and 120-inch FW Corridor 5, 84- and 96-inch in Corridor 4, 72-inch BBW Corridor 3-1A, and various diameters Corridor 2-1AB.
- **South Plant:** Installation of concrete floor GST; steel closure pieces facility 111 Main Switchgear Building, completed pre-cast panel installation facility 520 dewatering building and initiated ductwork install.
- **Substation and Site Electrical:** Accepted delivery of facility 313 transformers; ongoing installation of duct bank and feeder cabling.

3-MONTH LOOK AHEAD

- Continue install 108", 84" & 120" FW pipelines in Corridor 5 - ongoing through February
- Install FW lines at Phase 2 GST area - ongoing through February
- Leak test Gravity Sludge Thickener Complex 2, Facility 502, and begin equipment installation - ongoing through March
- Continue concrete wall and complete SOG placements at Gravity Sludge Thickener Complex 4, Facility 504, and Service Building - ongoing through March
- Complete Precast erection for Administration & Maintenance Building - December through January
- Finalize 66" RW bypass plan, implementation of plan may defer until fall 2021 - December
- Excavate Liquid Residual EQ 602 Facility and begin slab on grade construction - December through February
- Backfill and complete pump concrete encasement HSPS Building 401 - January
- Begin foundation construction HSPS 401-January through April
- Pull MV conductor cable from Substation 102 to MSB 111 - December through January
- Continue installation of utilities 520 - January through May
- Continue concrete placement of walls for Solids Holding Tank 510 - through February
- Place slab on grade at GST 362 and begin wall panel casting - December through March
- Commence and continue Filter 282 filter cell wall placements - ongoing through July
- Complete TPS 292 slab on grade sections and begin wall construction - ongoing through May
- Steel and Precast erection at IPS - December through February

“I am excited to be in Houston working on the NEWPP Expansion Project! Having overseen the design and construction of the Berl L. Handcox, Sr. Water Treatment Plant in Austin, TX I am enjoying being part of the Owners' Project Advisor and Technical Consultant team here. I hope to share my experience and lessons learned from Austin to help deliver this incredible project.”

- Bill Stauber, PATC

GOOD NEIGHBOR UPDATE

- **Next Meeting Date:** Q1 2021
- **Website:** <https://greaterhoustonwater.com/>



108"x102" Tee Installation Corridor 5



Central Plant - Phase 1



Central Plant - Phase 2



Precast Panel Installation Facility 520



Admin Building Precast Panel Installation