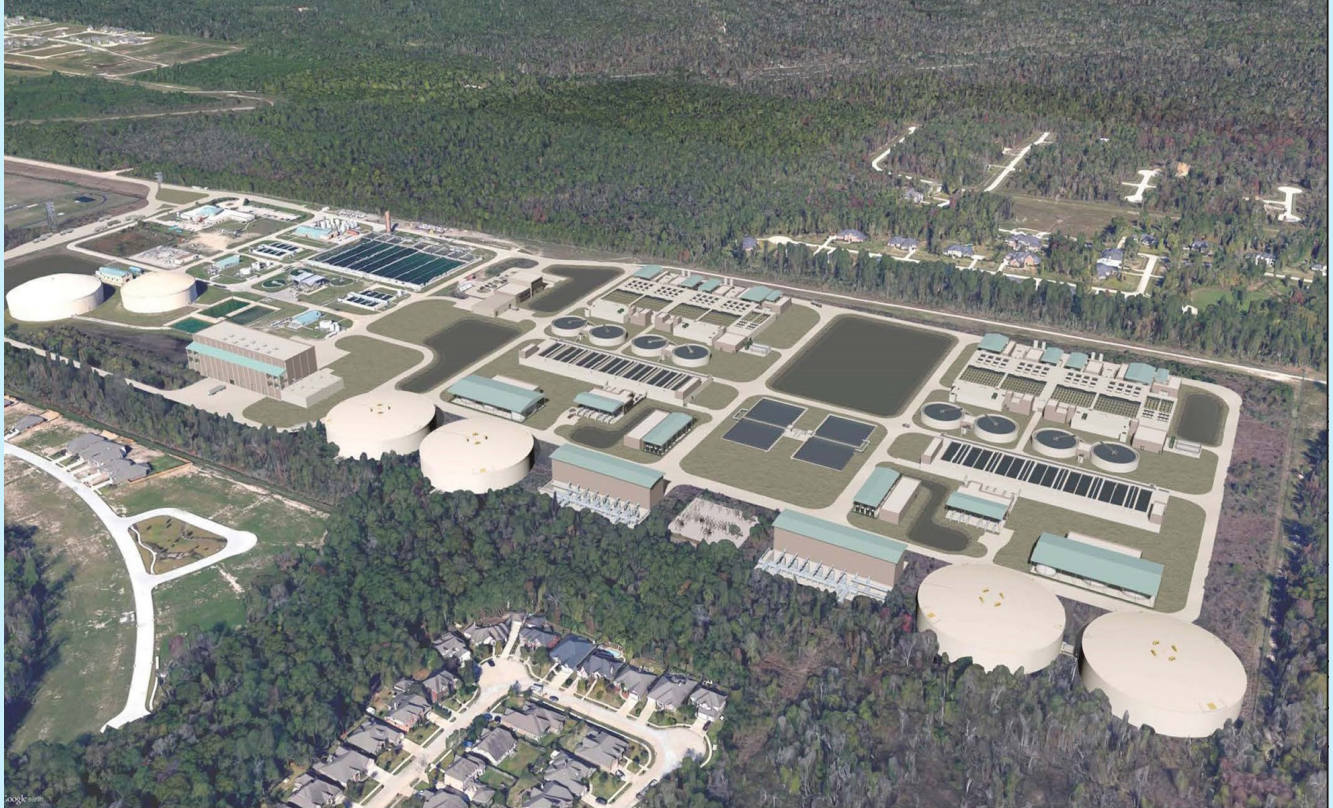


# NORTHEAST

WATER PURIFICATION PLANT EXPANSION



## NEWPP Expansion Project MONTHLY STATUS REPORT



February 2021

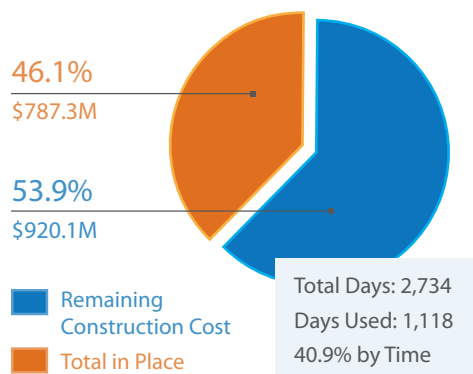
## KEY PERFORMANCE INDICATORS (KPI)

Status through February 2021

KPI	Description	Target	Status	Trend (from last update)	Notes
Phase 1 Completion	Phase 1 (80 MGD) Substantial Completion date	Feb 3, 2023	●	↓	Progress schedule shows 18 days negative float. HWT working to rectify.
Phase 2 Completion	Phase 2 (240 MGD) Substantial Completion date	July 6, 2025	●	↓	Progress schedule shows 4 days 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	●	↓	3.743M hours to date. 10 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 – 14.3%

HWT – 85.7%

\*As reported on COH OBO B2G contract audit summary.

### SUBCONSULTANT PARTICIPATION - PATC\*

M/WBE FIRMS – 28.6%

CAROLLO – 71.4%

\*As reported on COH OBO B2G contract audit summary.

Percentages based on amount paid through Feb 2021

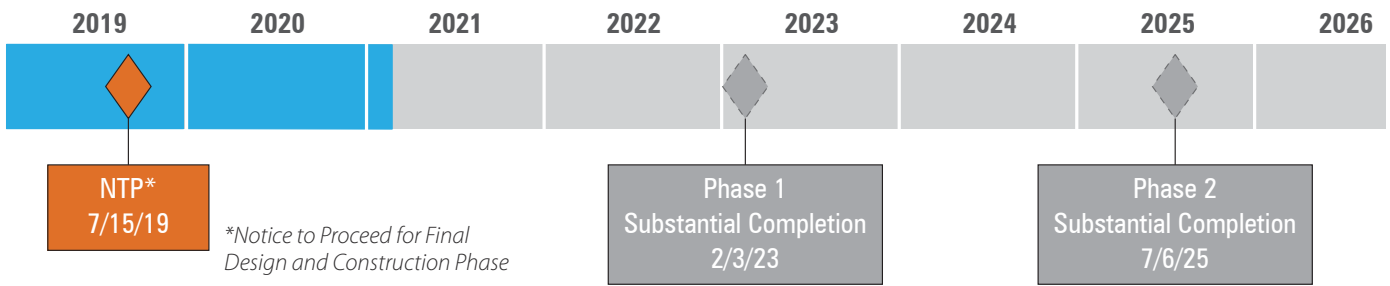
## BUDGET SUMMARY

Status through invoice dates listed below.

	Budget <sup>1</sup>	Authorized Amount <sup>2</sup>	Invoiced to Date <sup>3</sup>	Invoice Date/ % Invoiced <sup>3</sup>
Design-Builder (Houston Waterworks Team) <sup>4</sup>	\$1,765,532,834	\$1,707,410,675	\$787,309,699	Jan 2021/46.1%
Project Advisor/Technical Consultant (Carollo Team) <sup>5</sup>	\$95,759,349	\$89,520,497	\$43,208,793	Dec 2020/48.2%
Outside Legal (Hawkins Delafield and Wood)	\$2,131,590	\$1,931,590	\$1,591,995	Jul 2019/82.4%
City/Other <sup>6</sup>	\$21,022,642	\$21,022,642	\$11,480,011	Dec 2018/54.6%
Management Reserve <sup>7</sup>	\$88,243,764			
<b>TOTAL<sup>8</sup></b>	<b>\$1,972,690,179</b>	<b>\$1,819,885,404</b>	<b>\$843,584,498</b>	

- 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:** ongoing trough installation and set 60-inch BWS header facility 281 Filter Module 1; ongoing structural work facility 282 Filter Module 2; ongoing masonry and wall placement facilities 291&292 Transfer PS; ongoing structural and masonry work facility 311 Post-chemical No. 1.
- **North Plant:** ongoing structural for work all structures.
- **IPS:** ongoing installation of metal decking; installation of overhead bridge crane.
- **Admin Building:** ongoing installation of roof blocking and electrical rough-in Admin Building; completed installation of roofing at Maintenance Building.
- **LREQ:** ongoing formwork, rebar installation and concrete placement facilities 601 and 602.
- **Yard Piping:** completed installation of 108-inch FW Corridor 5; ongoing installation of 84- and 120-inch FW Corridor 5, 96-inch OZW Corridor 3-1B, and various diameters Corridor 2-1AB.
- **South Plant:** pad placement GST 361 and installation concrete panels; completed wall panel install GST 362, ongoing structural steel and masonry facility 520 Dewatering Building.
- **Substation and Site Electrical:** breaker operational functional test in prep to fully energize facility 111 Main Switchgear Building; ongoing installation of fiber duct bank and feeder cabling.

### 3-MONTH LOOK AHEAD

- Complete duct bank, waterline work, and chlorine dioxide piping in raw water corridor to IPS – ongoing through July
- Continue install 108", 84" & 120" FW pipelines in Corridor 5 – ongoing through June
- Install FW lines at Phase 2 GST area – ongoing through April
- Gravity Sludge Thickener Complex 2, Facility 502, continue equipment installation – ongoing through May
- Continue concrete wall and complete SOG placements at Gravity Sludge Thickener Complex 3 and 4, Facilities 503 & 504, and Service Buildings – ongoing through July
- Continue elevated walkway concrete placements in 242-Floc & Sedimentation Basin – ongoing through May
- Place foundations and containment walls for Chemical Facilities 213 and 214 – ongoing through April
- Continue install wall framing, plumbing, HVAC, and exterior enclosure work at Administration/Maintenance building – ongoing through June
- Complete roof installation Administration/Maintenance building – ongoing through April
- Continue Liquid Residual EQ 602 Facility slab on grade and wall construction – February through June
- Complete under slab utilities and place pump room slab on grade at HSPS 401 – March through May
- Begin and continue pump can suction piping installation at HSPS – April through June
- Continue installation of process piping, electrical, and HVAC in solids Dewatering 520 – February through May
- Place slab on grade and erect wall panels for GST 361, and place roof on GST 362 – ongoing through June

“Observing the progress on site on a daily basis, and the ongoing coordination occurring behind the scenes, is nothing short of impressive. This project is a showcase for the immense amount of talent, skill, ingenuity, and pure hard work involved. The end result should be a legacy we are all proud of and I am fortunate to have a small role in that.”

– Taylor Blackstone  
PMT

### GOOD NEIGHBOR UPDATE

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



120-inch FW BFV Installation Corridor 5



60-inch BWS Install Facility 281 Filter Module 1



Completed Wall Panel Install - GST 362



Function Test and Breaker Operation Facility 111 Main Switch Gear Building



Administration and Maintenance Buildings