

## **25-D-00043; Howard F. Curren AWTP Master Plan Update**

PUBLIC ANNOUNCEMENT IN COMPLIANCE WITH REQUIREMENTS OF SECTION 287.055, FLORIDA STATUTES (CONSULTANTS' COMPETITIVE NEGOTIATION ACT) APPLICABLE LAW, EXECUTIVE ORDERS, RULES, REGULATIONS, AND THE CITY'S STANDARD PROCEDURES. A NOTICE OF INTENT TO AWARD SHALL BE POSTED, IF AT ALL, ON THE CITY'S WEBSITE ACCESSIBLE BY UTILIZING THIS WEBSITE LINK: [www.tampagov.net/contract-administration/programs/architectural-engineering-construction-and-related-rfqs](http://www.tampagov.net/contract-administration/programs/architectural-engineering-construction-and-related-rfqs).

The City of Tampa Wastewater Department desires to obtain Professional Engineering services to update the Master Plan for the Howard F. Curren Advanced Wastewater Treatment Plant located at 2700 Maritime Blvd., Tampa, FL 33605.

Background: Howard F. Curren AWTP is permitted to treat 96-MGD with a Type I two-stage, high rate (pure oxygen and fine bubble aeration) activated sludge biological nitrification/denitrification domestic wastewater treatment plant. This plant is operated to discharge advanced wastewater treated, high-level disinfected and de-chlorinated effluent to Hillsborough Bay. Currently annual average daily flows are 60 MGD and peak flows of 200 MGD.

In June 2018, the Wastewater Department completed a treatment plant master plan that included an evaluation of treatment plant processes and condition assessments of the plant's equipment and infrastructure. The plan provided a prioritized list of recommended improvements needed to maintain system reliability, address current and future operating and regulatory requirements, and to enhance plant performance and reduce operating costs.

The Department has identified the need to update this plan and the list of capital improvements needed to improve the reliability, resiliency, and continued operation of the treatment plant. It is not the City's intent to perform a complete re-evaluation of the treatment plant. The updated master plan will include, but not limited to:

- Update the inventory of current assets and conditions.
- Incorporate system improvements and equipment replacements completed since the 2018 Master Plan.
- Identify improvements required to improve system reliability and maintain plant operation.

- Identify improvements to increase operating efficiency and reduce operating costs.
- Identify improvements needed to meet current and future operating conditions and regulatory requirements.
- Identify and evaluate alternatives to comply with effluent disposal regulations including how the alternatives affect the operation and need for changes/improvements to other plant processes.
- Identify and evaluate alternatives for disposing of biosolids to meet current and future regulations.
- Identify and evaluate alternatives for needed capital improvements including cost/benefit analysis.
- Identify the need for additional studies and system evaluations.
- Develop an updated list of required capital improvements. Capital improvement list will include scopes of work, project priorities, cost estimates, construction phasing and project sequencing to maintain plant operations, and methods to coordinate or phase projects to reduce construction cost.
- Update existing overall HFC AWTP Operation and Maintenance Manual completed in July 1999.

Estimated fee is \$1,500,000-\$3,000,000.

Reference material may be found at:  
[www.tampagov.net/contract-administration/programs/architectural-engineering-construction-and-related-rfqs](http://www.tampagov.net/contract-administration/programs/architectural-engineering-construction-and-related-rfqs)

Questions may be directed to Jim Greiner, P.E., Contract Administration, City of Tampa, (813) 274-8598, or E-Mail [jim.greiner@tampagov.net](mailto:jim.greiner@tampagov.net).

A pre-submittal conference will be held at 2 P.M. August 25, 2025, in the City Council Chambers 315 Kennedy Ave. Tampa, FL 33602. Attendance is not mandatory.

In accordance with the Americans with Disabilities Act ("ADA") and Section 286.26, Florida Statutes, persons with disabilities needing a reasonable accommodation to participate in this public hearing or meeting should contact

the City of Tampa's ADA Coordinator at least 48 hours prior to the proceeding. The ADA Coordinator may be contacted via phone at 813-274-3964, email at TampaADA@tampagov.net, or by submitting an ADA - Accommodations Request form available online at [tampagov.net/ADARequest](http://tampagov.net/ADARequest).

An individual or entity ("Firm") responding to this RFQ must provide evidence of any required licenses, certificates, or registrations with its submission or within 10 days thereof in order to be considered. The City shall own all ideas, documents, plans, and materials developed as a result of this solicitation and Firm is informed same shall be subject to reuse in accordance with Section 287.055(10), Florida Statutes. Firm (i) confirms it has read and is familiar with Section 119.071(3), Florida Statutes regarding certain building plans, blueprints, schematic drawings, which depict the internal layout and structural elements of a building, facility, or other structure owned or operated by the City or other agency that are per said section exempt from Section 119.07(1), Florida Statutes and Section 24(a), Art. I of the Florida Constitution ("Exempt Plans") and (ii) agrees Firm shall remain in compliance with same, including maintaining the exempt status of such Exempt Plans for so long as they are held by Firm or otherwise in its possession. Pursuant to Section 2-282, City of Tampa Code, during the solicitation period, including any protest or appeal, NO CONTACT with City officers or employees is permitted from any proposer, other than as specifically stated in this solicitation. The City may cancel, withdraw, or modify this RFQ at any time and reserves the right to reject any or all responses and to waive irregularities, formalities, and informalities as it determines in the City's best interest. The City of Tampa will not request documentation of or consider a bidder's (proposer's) social, political, or ideological interests when determining if the bidder (proposer) is a responsible vendor and will not give preference to a proposer based on the proposer's social, political, or ideological interests.

Firms should consider applicable concepts in the City's Climate Action And Equity Plan as posted at <https://www.tampa.gov/document/climate-action-and-equity-plan-122846>.

In order to apply for 5 "Ban-The-Box" bonus points, a firm must provide the documentation required pursuant to the "Ban-The-Box" ordinance listed at [https://library.municode.com/fl/tampa/ordinances/code\\_of\\_ordinances?nodeId=1171018](https://library.municode.com/fl/tampa/ordinances/code_of_ordinances?nodeId=1171018),

Firms desiring to provide these services to the City must submit a single electronic file in searchable PDF format, Smaller than 10MB, that includes the attached RFQ Transmittal Memorandum completed as appropriate, a Letter of Interest addressed to Brad L, Baird, P.E., Chairman, and referring to this RFQ by number, together with a Statement of Qualifications and any supplemental material allowing evaluation for further consideration (short-listing) based upon the following criteria/point system: Successful Comparable Project Experience, (65 pts); Workload and Availability, (5 pts); Past Performance/Low amount of City Work, (5 pts); Standard Form SF330, (5 pts); "Ban-The-Box", (5pts); Planned WMBE/SLBE Solicitation & Utilization, Form DMI 10, 20, & 50, (20 pts).

The PDF file must be **E-Mailed to**  
**[ContractAdministration@tampagov.net](mailto:ContractAdministration@tampagov.net)**  
**BEFORE 2 P.M., September 11, 2025.**

As a courtesy, the City will endeavor to provide an email acknowledgement usually sent within a few days after submission receipt (submissions received on the day of the deadline may not be acknowledged before the deadline or at


all). It is Firm's responsibility to confirm its submission (PDF file) has been received.

Projects highlighted indicates that scope has changed, RFQ has been issued, or construction or design is under contract.



Howard F. Curren AWTP Capital Improvement Projects List 2018

Building No.	Project Name	Fiscal Year	Estimated Cost	Total Project Cost	Total Project Cost with Inflation	Project Description
21	Digester No. 4 Rehabilitation - Design & Construction	0	\$1,600,000	\$1,712,000	\$1,712,000	Rehab of Digester No. 4, including tank cleaning, recoat tank interior and exterior, replace gas holder and associated piping, new sludge mixing system, cover level transmitter, add gas meter.
33	Waste Gas Burners for Digester Tanks No. 1 - No. 7 Rehabilitation	0	\$900,000	\$963,000	\$963,000	Project includes the replacement of pressure relief and flame trap assemblies, drip trap manual operation, flame check, waste gas burner and ignition systems, plug valves and stainless steel pipes.
59	Screen & Grit Building No. 1 - MCC 29 Replacement	0	\$400,000	\$428,000	\$428,000	Replace MCC 29
59	Grit Washer Replacement, Phase II - Construction	0	\$2,700,000	\$2,889,000	\$2,889,000	Construction - Grit washers for both Screen & Grit facilities have reached the end of their useful life. This equipment will be replaced through 2 phases. Phase II will be to replace the grit washers for Building No 1 - NEW screen & grit.
78	Standby Power System Improvements - Design	0	\$400,000	\$428,000	\$428,000	Design - To avoid load shedding under generator failure, the standby power capacity should be extended to cover a 2MW standby generator failure. This will raise the standby capacity to 10MW, giving a N+1 capability. One 2MW (Tier 4) generator can be installed in a separate walk-in enclosure that is hurricane rated. Additional fuel storage tanks (68,000 gals total) are required to bring the total fuel storage capacity of the standby system to 5 days, while also allowing for an additional future generator.
Plantwide	Plant Concrete Repairs	0	\$300,000	\$321,000	\$321,000	Includes miscellaneous concrete repairs throughout the plant.
Plantwide	Miscellaneous Treatment Plant improvements	0	\$750,000	\$802,500	\$802,500	Includes miscellaneous improvements and repairs throughout the plant.
2	Junction Chamber No. 1 Improvements - Design	1	\$100,000	\$107,000	\$107,000	Design - Misc. improvements to Junction Chamber No. 1 include replacing the influent sampling station, 4 overhead doors, 3 wet well exhaust fans, wet well hatch covers, lighting and lighting panels (2), bubbler tube system, supply fan, PRVs, misc. electrical systems, and miscellaneous concrete repairs.
5	Screen & Grit Building No. 2 – Improved Ventilation - Design	1	\$150,000	\$160,500	\$160,500	Design - Improvements to the ventilation system include replacement of existing exhaust fans and installation of new exhaust and supply fans in the open grit and screening areas to increase the rated air flow capacity and the air changes per hour in Screen & Grit Building No. 2 to be similar those currently in Screen & Grit Building No. 1.
10	Main Pump Station Discharge Channel Rehabilitation - Design	1	\$600,000	\$642,000	\$642,000	Design - Discharge aeration improvements. Channel to be cleaned. Concrete rehabilitation and lining of the discharge channel and replacement of air process piping with SS pipe, (1) gate and actuator for 66" spike line to be replaced, inspection and rehabilitation of the 66-inch spike line. Design should include bypass pumping system for construction work in channel and inspection/rehab of spike line.
12	Final Sedimentation Tanks No.1 - No. 12 Improvements - Phase III	1	\$2,300,000	\$2,461,000	\$2,461,000	Perform remaining work at FSTs 1-6 that was not completed during previous project phases. Work includes replacing process air piping for tanks 1-6, baffle walls in tanks 1-6, (48) influent sluice gates and actuators; influent stop log grooves, stems for the (2) manual sluice gates used for scum manhole, (12) scum sludge gates and actuators, and (4) sluice gates in influent channel used to drain the channel. Scum tilting weirs to be removed/demolished. Concrete repairs. Handrail repair.
30	Sludge Treatment Building Miscellaneous Repairs - Design	1	\$130,000	\$139,100	\$139,100	Design - Recommended improvements also include replacement of the existing polymer feed system with a new polymer feed system consisting of bulk storage tanks, liquid polymer activation systems, aging tanks, and activated polymer feed pumps dedicated to each gravity thickener. Remove dewatering pumps.
32	Sludge Dewatering Facility Rehabilitation - Design	1	\$2,700,000	\$2,889,000	\$2,889,000	Design - Recommended improvements identified in Hazen and Sawyer study performed in FY 11. Scope of work includes a new building, polymer activation system, centrifuge technology, and all associated piping, sludge handling, pumping, and electrical equipment.

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Howard F. Curren AWTP Capital Improvement Projects List 2018							
Building No.	Project Name	Fiscal Year	Estimated Cost	Total Project Cost	Total Project Cost with Inflation	Project Description	
36	Junction Chamber No. 1 Odor Control Replacement - Design	1	\$850,000	\$909,500	\$909,500	Design - Odor control system replacement consist of hybrid system utilizing biotrickling filters followed by chemical scrubbers for polishing. The system would include a 15,000 cfm air handling fan, parallel biological towers, one multi-stage chemical scrubber, recirculation pumps for each tower, chemical storage tanks, chemical containment, chemical feed pumps, wash water connection, blowdown pump station, ductwork, and other associated equipment, as well as misc. concrete repairs. Design should include performance testing by the manufacturer(s) to confirm expected hydrogen sulfide removal.	
55	Sludge Drying Bed Rehabilitation, Phase II	1	\$900,000	\$963,000	\$963,000	This project provides for the rehabilitation of four (4) sludge drying beds per year. The filter media within several of the drying beds is clogged reducing efficiency of the sludge dewatering process. The rehabilitation of the sludge drying beds will be completed over several fiscal years and each phase will address the drying beds that are in most severe need of rehabilitation.	
71	Mixed Sludge Pumping Station Improvements	1	\$520,000	\$556,400	\$556,400	Replace sludge transfer pumps. Replace exhaust fan and repair duct work	
72	Digester No. 7 Rehabilitation - Design	1	\$640,000	\$684,800	\$684,800	Design - Gas holder cover to replace existing floating cover, roof, stainless gas mixing/piping to replace existing pipe, and components; repair hole in the tank sidewall; recoat tank interior; repair/replace digested sludge pumps, gas mixing comp, recirculation pumps, and water heater feed pumps. Perform concrete repairs.	
78	Standby Power System Improvements - Construction	1	\$3,200,000	\$3,424,000	\$3,424,000	Construction - To avoid load shedding under generator failure, the standby power capacity should be extended to cover a 2MW standby generator failure. This will raise the standby capacity to 10MW, giving a N+1 capability. One 2MW (Tier 4) generator can be installed in a separate walk-in enclosure that is hurricane rated. Additional fuel storage tanks (68,000 gals total) are required to bring the total fuel storage capacity of the standby system to 5 days, while also allowing for an additional future generator.	
80	Biogas Use Improvements - Design	1	\$3,250,000	\$3,477,500	\$3,477,500	Design - Cost is based on the election to pursue RNG biogas utilization. The RNG alternative includes the removal of existing biogas fueled engines and heat recovery equipment; installation of new biogas to RNG treatment, compression, storage, transport, and dispensing equipment; the use natural gas to provide digester heating; instrumentation, electrical, and safety systems upgrades.	
14, 15	Denitrification Filter Improvements - Filters No. 1 thru No. 20 - Design	1	\$800,000	\$856,000	\$856,000	Design - Replace control BFVs w/ pneumatic actuators, replace air piping. BFVs include (20) backwash drain valves, (40) backwash water valves, (20) influent valves, (40) effluent valves. Replace (20) influent gate actuators. Replace (3) backwash, (2) effluent water pumps, and (3) sump pumps. Replace (2) blowers. Replace supply and exhaust fans, 5 ton hoist, (2) flow meters. Misc. ancillary equipment and facility repairs including concrete rehabilitation and expansion joint repair, pipe replacement, paint backwash piping on outside over filters, Control Room ceiling; door and window replacement. Removal of polymer equipment from the pump room (no longer in use). Replace (2) sampler stations. Replace MCC 57, MCC 58-A . Repair/replace the level control system, control console.	
New Facility	Digester Heating System Replacement Design	1	\$725,000	\$775,750	\$775,750	Design includes new centralized heating system Building D, new heat exchangers, new boilers, air separator, expansion tank, primary hot water loop pumps, feed tank, hot water pipeline to Buildings A and C, and new natural gas pipeline connection.	
New Facility	New Primary Sedimentation Tanks - Design	1	\$2,600,000	\$2,782,000	\$2,782,000	Addition of four (4) new primary sedimentation tanks . The new primary sedimentation tanks would be rectangular in shape and of similar size (length, width, depth) to the existing PSTs 5-8. The new primary sedimentation tanks would be located south of PSTs 5-8. A 96-inch pipe would be installed from Junction Chamber No. 2 to the new primary sedimentation tanks and a new 66-inch pipe from the effluent channel of the primary sedimentation tanks to the Main Pump Station. Stress testing and computational fluid dynamics (CFD) modeling of the existing primary sedimentation tanks is recommended prior to initiation of the design to evaluate the TSS removal efficiencies at higher SORs to confirm the timing and number of new primary sedimentation tanks required. Other improvements include replacing supply fans, sump pump at Meter Vault Nos. 1 and 2 and perform miscellaneous concrete repairs in JC No.2 and Meter Vault No. 2.	
Plantwide	Medium Voltage Cables Upgrade, Phase I - Design	1	\$75,000	\$80,250	\$80,250	Design - Medium Voltage Cables Upgrade, Phase I	
Plantwide	Fire Alarm System Upgrades - Design	1	\$350,000	\$374,500	\$374,500	Design - Replacement of fire alarm systems and deteriorated fire line piping	
Plantwide	Arc Flash Improvements	1	\$300,000	\$321,000	\$321,000	Implement Arc Flash improvements as identified in FY15 study	
2	Junction Chamber No. 1 Improvements - Construction	2	\$500,000	\$535,000	\$560,000	Construction - Misc. improvements to Junction Chamber No. 1 include replacing the influent sampling station, 4 overhead doors, 3 wet well exhaust fans, wet well hatch covers, lighting and lighting panels (2), bubbler tube system, supply fan, PRVs, misc. electrical systems, and miscellaneous concrete repairs.	

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Howard F. Curren AWTP Capital Improvement Projects List 2018

Building No.	Project Name	Fiscal Year	Estimated Cost	Total Project Cost	Total Project Cost with Inflation	Project Description
5	Screen & Grit Building No. 2 Improvements - Design	2	\$900,000	\$963,000	\$1,000,000	Design - Project includes equipment and pipe, electrical systems, concrete repairs and facility improvements. More specifically, replacement of backflow preventer, piping and tubing for all four grit tanks, (5) influent gate actuators, (8) grit pump and piping, sump pump and piping, (4) overhead doors, cranes, grit tank rakes and drivers, collectors, baffles and guides, switchgear 20 and MCC-21, organic return flow pipe, air piping and valves, drain gate and intermediate gate including actuators in the influent channel, and downlegs of the air process piping at the effluent channel. Replace roof drain/ vent pipe, effluent water pipe. Lighting features need to be replaced. Rake support beams to be sand blasted and painted. Electrical conduits need to be replaced. Additional building repairs include replacement of windows and doors and concrete repair.
5	Screen & Grit Building No. 2 – Improved Ventilation - Construction	2	\$750,000	\$802,500	\$830,000	Construction - Improvements to the ventilation system include replacement of existing exhaust fans and installation of new exhaust and supply fans in the open grit and screening areas to increase the rated air flow capacity and the air changes per hour in Screen & Grit Building No. 2 to be similar those currently in Screen & Grit Building No. 1.
8	Junction Chamber No. 3 Miscellaneous Repairs	2	\$360,000	\$385,200	\$400,000	Repair or replace mixers 1 and 2, sluice gate actuator, concrete repairs. Remove DAF scum and overflow pipe.
10	Main Pump Station Discharge Channel Rehabilitation - Construction	2	\$4,000,000	\$4,280,000	\$4,410,000	Construction - Discharge aeration improvements. Channel to be cleaned. Concrete rehabilitation and lining of the discharge channel and replacement of air process piping with SS pipe, (1) gate and actuator for 66" spike line to be replaced, inspection and rehabilitation of the 66-inch spike line. Construction will require bypass pumping system for work in channel and inspection/rehab of spike line.
10	Main Pump Station Rehabilitation - Design	2	\$2,000,000	\$2,140,000	\$2,210,000	Design - Replace pumps (7) and other equipment that is unreliable and no longer cost effective to maintain. Replace eddy current couplings with VFD's (3). Provide VFD's on constant speed pumps (2). Replace check valves and 11 ton hoist. Replacement of MCC's (5) , circuit breakers (5), emergency battery bank, dry transformers, lighting panel. Clean and inspect the main drain. Replace sluice gates and operators for Main Pump Station Influent Channel (7) and Main Drain. Replacement of spent cooling water pumps, flow recorder/totalizer, chilled water pumps motors (2), level controllers (2), condensing unit 1, backflow preventer, computer system hardware, oxygen dissolution control panel, deep bed scrubber, electric heat coils, water pressure tank, containment area waste dumping pit, Halon fire extinguisher system in computer room, fire hydrants, fuel oil storage tank, fire and sprinkler system, life line motor wet well, multigas detectors, base-7 radio unit, roof exhaust fans, overhead doors (2), security alarm system, return sludge control system, sampler station, sump pump (2), UPS radio system, water cooler & heater process, water break tank, sluice gate MPS-SG-10. Replace blowers (3) that are unreliable and no longer cost effective to maintain. Replace (1) dewatering pump. Demo existing scum pumps (2). Window replacement. Misc. concrete repairs
18	Outfall Structure Improvements	2	\$300,000	\$321,000	\$340,000	Design and construction of improvements which include replacement of the existing 4 manual sluice gates at Outfall Structure with motor operated gates tied to SCADA and operated based on either level or flow. Replace the sample pump. Replace existing 5 kVA transformer. Misc concrete repair to Outfall Structure.
21	Digester Nos. 1-3 Rehabilitation - Design	2	\$750,000	\$802,500	\$830,000	Design - Rehab of Digester Nos. 1 through 3, including tank cleaning, recoat tank interior and exterior, replace gas holder and associated piping and replace flame trap assembly (Digester Nos. 1 and 2 only), new sludge mixing system, pressure relief valves, cover level transmitter, add gas meter. Design should consider issuing a single construction contract for the improvements to Digester Nos. 1 through 3, but allow the construction to be phased if preferred by the City.
25	DARs Upgrades - Design	2	\$1,900,000	\$2,033,000	\$2,100,000	Design - Improvements to the DARs Nos. 2-4 include demolition and cleaning of the existing equipment/tanks; new fine bubble diffused aeration, anoxic mixers, internal mixed liquor recycle pumps; miscellaneous concrete and handrail repair, pads and pedestals for new equipment and pipe; process pipe; and instrumentation including O2 meters. Replace influent and effluent gate actuators (16). It is recommended that changes to the aeration equipment be re-evaluated under this design (as described in the BNR Memo).
28	Digester Control Building A Improvements - Design	2	\$900,000	\$963,000	\$1,000,000	Design - Restore building and replace process equipment, piping, and electrical components. Replacement includes sludge flow mag meter, gas condensate tanks, digested sludge pumps No. 1 & 2, gas condensate collectors, sludge gas mixing compressors (6), recirculation pumps, acid-phase transfer pump & grinder; sludge, gas, secondary water and fuel piping and valves, MCC-62B.
30	Sludge Treatment Building Miscellaneous Repairs - Construction	2	\$625,000	\$668,750	\$690,000	Construction - Recommended improvements also include replacement of the existing polymer feed system with a new polymer feed system consisting of bulk storage tanks, liquid polymer activation systems, aging tanks, and activated polymer feed pumps dedicated to each gravity thickener. Remove dewatering pumps.



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Howard F. Curren AWTP Capital Improvement Projects List 2018

Building No.	Project Name	Fiscal Year	Estimated Cost	Total Project Cost	Total Project Cost with Inflation	Project Description
32	Sludge Dewatering Facility Rehabilitation - Construction	2	\$13,500,000	\$14,445,000	\$14,880,000	Construction - Recommended improvements identified in Hazen and Sawyer study performed in FY 11. Scope of work includes a new building, polymer activation system, centrifuge technology, and all associated piping, sludge handling, pumping, and electrical equipment.
36	Junction Chamber No. 1 Odor Control Replacement - Construction	2	\$4,250,000	\$4,547,500	\$4,690,000	Construction - Odor control system replacement consist of hybrid system utilizing biotrickling filters followed by chemical scrubbers for polishing. The system would include a 15,000 cfm air handling fan, parallel biological towers, one multi-stage chemical scrubber, recirculation pumps for each tower, chemical storage tanks, chemical containment, chemical feed pumps, wash water connection, blowdown pump station, ductwork, and other associated equipment; misc. concrete repairs.
47	Filter Building No. 2 Improvements - Design	2	\$460,000	\$492,200	\$510,000	Design - Improvements to Filter Building No. 2 include replacing backwash pumps (3) and blowers (3); influent channel gate, pipe, replacing one 72" and one 48" mag meters, MCC 85 and MCC 86 replacement, roof repairs, skylight replacement, concrete repairs.
48	Denite Filters No. 21 thru No. 26 and No. 31 thru No. 36 Improvements - Design	2	\$760,000	\$813,200	\$840,000	Design - Replace valves and actuators. Valves include (12) backwash water valves, (12) effluent valves, (12) backwash drain valves, (12) influent valves, (2) backwash flow regulating valves. Replace (12) influent gate actuators. Air piping and dressers need to be painted. Replace pumps including (2) filter drain pumps, (2) sump pumps need to be replaced, (3) backwash pumps. Replace two 18" mag meters. Paint backwash piping on outside over filters. Misc. concrete repairs.
54	Dried Sludge Control Building Improvements	2	\$1,500,000	\$1,605,000	\$1,660,000	Replace bed polymer storage tanks and piping, water line and blended polymer pipe, pipes that feed sludge in the tanks, sump pump. Replace MCC-501, MCC-501A & MCC-501B.
55	Sludge Drying Bed Rehabilitation, Phase III	2	\$900,000	\$963,000	\$1,000,000	This project provides for the rehabilitation of four (4) sludge drying beds per year. The filter media within several of the drying beds is clogged reducing efficiency of the sludge dewatering process. The rehabilitation of the sludge drying beds will be completed over several fiscal years and each phase will address the drying beds that are in most severe need of rehabilitation.
72	Digester No. 7 Rehabilitation - Construction	2	\$3,250,000	\$3,477,500	\$3,590,000	Construction - Gas holder cover to replace existing floating cover, roof, stainless gas mixing/piping to replace existing pipe, and components; repair hole in the tank sidewall; recoat tank interior and exterior; repair/replace digested sludge pumps, gas mixing comp, recirculation pumps, and water heater feed pumps. Perform concrete repairs.
80	75 KVA Dry Transformer T Replacement	2	\$15,000	\$16,050	\$20,000	Repair/replace 75 KVA Dry Transformer T
85	Switchgear No. 60 Generator Monitoring Panel Replacement	2	\$500,000	\$535,000	\$560,000	Replace Switchgear No. 60 Generator Monitoring Panel
14, 15	Denitrification Filter Improvements - Filters No. 1 thru No. 20 - Construction	2	\$6,600,000	\$7,062,000	\$7,280,000	Construction - Replace control BFVs w/ pneumatic actuators, replace air piping. BFVs include (20) backwash drain valves, (40) backwash water valves, (20) influent valves, (40) effluent valves. Replace (20) influent gate actuators. Replace (3) backwash, (2) effluent water pumps, and (3) sump pumps. Replace (2) blowers. Replace supply and exhaust fans, 5 ton hoist, (2) flow meters. Misc. ancillary equipment and facility repairs including concrete rehabilitation and expansion joint repair, pipe replacement, paint backwash piping on outside over filters, Control Room ceiling; door and window replacement. Removal of polymer equipment from the pump room (no longer in use). Replace (2) sampler stations. Replace MCC 57, MCC 58-A. Repair/replace the level control system, control console.
New Facility	Digester Heating System Replacement Improvements- Construction	2	\$3,600,000	\$3,852,000	\$3,970,000	Construction includes new centralized heating system Building D, new heat exchangers, new boilers, air separator, expansion tank, primary hot water loop pumps, feed tank, hot water pipeline to Buildings A and C, and new natural gas pipeline connection.
New Facility	New Primary Sedimentation Tanks - Construction	2	\$13,000,000	\$13,910,000	\$14,330,000	Addition of four (4) new primary sedimentation tanks with provisions for a fourth future tank. The new primary sedimentation tanks would be rectangular in shape and of similar size (length, width, depth) to the existing PSTs 5-8. The new primary sedimentation tanks would be located south of PSTs 5-8. A 96-inch pipe would be installed from Junction Chamber No. 2 to the new primary sedimentation tanks and a new 66-inch pipe from the effluent channel of the primary sedimentation tanks to the Main Pump Station. Other improvements include replacing supply fans, sump pump at Meter Vault Nos. 1 and 2 and perform miscellaneous concrete repairs in JC No.2 and Meter Vault No. 2.
Plantwide	Medium Voltage Cables Upgrade, Phase I - Construction	2	\$500,000	\$535,000	\$560,000	Construction - Medium Voltage Cables Upgrade, Phase I
Plantwide	Fire Alarm System Upgrades - Construction	2	\$1,000,000	\$1,070,000	\$1,110,000	Construction - Replacement of fire alarm systems and deteriorated fire line piping
Plantwide	AWT SCADA - Master Plan and Design	2	\$200,000	\$214,000	\$230,000	Evaluate current system and develop a master plan to improve the AWT SCADA system. Design AWT SCADA improvements as identified in the SCADA Master Plan.

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Howard F. Curren AWTP Capital Improvement Projects List 2018

Building No.	Project Name	Fiscal Year	Estimated Cost	Total Project Cost	Total Project Cost with Inflation	Project Description
Plantwide	Effluent Water System Improvements - Design	2	\$300,000	\$321,000	\$340,000	Design - Replacing deteriorated effluent water system piping and construct new effluent water pipe loop to improve effluent water system at the plant. New system will Include additional capacity for a new odor control unit at JC No. 1 and improved pressure at screen and grit.
5	Screen & Grit Building No. 2 Improvements - Construction	3	\$4,500,000	\$4,815,000	\$5,110,000	Construction - Project includes equipment and pipe, electrical systems, concrete repairs and facility improvements. More specifically, replacement of backflow preventer, piping and tubing for all four grit tanks, (5) influent gate actuators, (8) grit pump and piping, sump pump and piping, (4) overhead doors, cranes, grit tank rakes and drivers, collectors, baffles and guides, switchgear 20 and MCC-21, organic return flow pipe, air piping and valves, drain gate and intermediate gate including actuators in the influent channel, and downlegs of the air process piping at the effluent channel. Replace roof drain/ vent pipe, effluent water pipe. Lighting features need to be replaced. Rake support beams to be sand blasted and painted. Electrical conduits need to be replaced. Additional building repairs include replacement of windows and doors and concrete repair.
9	Primary Sedimentation Tanks No. 1 - No. 4 Improvements -Design	3	\$700,000	\$749,000	\$800,000	Design - Improvements to the PSTs No. 1 - No. 4 including replacement of chain and flights, gearboxes and motors for influent sluice gate actuators (4), replacement of manual backflush sluice gates with motor operated gates (8); replacement of sludge blanket detector, rehab of scum pit; misc. concrete repairs to the tanks with coating. Effluent weirs and trough to be replaced. Line deck on effluent side of tanks. Scum and gravity thickener overflow pipe and valves to be replaced. 14" and 8" DAF scum and overflow pipes to be removed from ground up.
10	Main Pump Station Rehabilitation - Construction	3	\$14,000,000	\$14,980,000	\$15,900,000	Construction - Replace pumps (7) and other equipment that is unreliable and no longer cost effective to maintain. Replace eddy current couplings with VFD's (3). Provide VFD's on constant speed pumps (2). Replace check valves and 11 ton hoist. Replacement of MCC's (5) , circuit breakers (5), emergency battery bank, dry transformers, lighting panel. Clean and inspect the main drain. Replace sluice gates and operators for Main Pump Station Influent Channel (7) and Main Drain. Replacement of spent cooling water pumps, flow recorder/totalizer, chilled water pumps motors (2), level controllers (2), condensing unit 1, backflow preventer, computer system hardware, oxygen dissolution control panel, deep bed scrubber, electric heat coils, water pressure tank, containment area waste dumping pit, Halon fire extinguisher system in computer room, fire hydrants, fuel oil storage tank, fire and sprinkler system, life line motor wet well, multigas detectors, base-7 radio unit, roof exhaust fans, overhead doors (2), security alarm system, return sludge control system, sampler station, sump pump (2), UPS radio system, water cooler & heater process, water break tank, sluice gate MPS-SG-10. Replace blowers (3) that are unreliable and no longer cost effective to maintain. Replace (1) dewatering pump. Demo existing scum pumps (2). Window replacement. Misc. concrete repairs
11	HPO Reactor Improvements - Design	3	\$1,700,000	\$1,819,000	\$1,930,000	Design - Improvements in the HPO Reactors consist of improvements to the influent and effluent channels which include cleaning, concrete repair and channel lining, new SS aeration system, replacement of 12 gates and actuators (4 reactor influent, 2 swing reactor, 3 reactor NIT influent, 2 side spike line, and 1 carb inf to reactor), meters, and sampling equipment. Improvements to the reactors consist of cleaning of the existing tanks, structural rehabilitation of the tanks (repair to concrete surfaces above the normal water line), replacing the existing surface aerators with larger mechanical aerators in stages 2-4 (3 reactors), replacing existing instrumentation and electrical systems upgrades. The aerator in the first mixing zone will be replaced with a submerged mixer, the aerators in stages 2-4 are larger to accommodate higher oxygen transfer. Additional improvements include replacing the dewatering main drain sluice gate and actuator, upgrade butterfly valves to electric butterfly valves, removal of alum pipe on reactor deck, replacing influent and effluent stop logs and actuators, replacing instrumentation including rate controllers, gas monitoring, air meters, step-feed meters, high water alarm, replacing MLSS sample pumps, and painting process air piping and spike line in influent channel. Design shall include identifying bypass pumping requirements. Note that project cost listed differs from that in the Tech Memo as the CIP includes additional work/equipment replacement identified by the COT staff and in the asset inventory, whereas the Tech Memo focused on process modification costs.
16	Post Aeration Chlorination Improvements - Design	3	\$250,000	\$267,500	\$290,000	Design - Improvements include relocating the post aeration system from the head of the chlorine contact tanks to the effluent channel. Misc. process equipment improvements including replacing post aeration tank gearboxes, post aeration spent cooling water mag meter and pipe, sample pumps, meters, temperature indicator, process air piping and a post aeration tank dewatering pump.
21	Digester No. 2 Rehabilitation - Construction	3	\$1,600,000	\$1,712,000	\$1,820,000	Construction - Rehab of digester, including tank cleaning, recoat tank interior (compatible with acid-gas phase digestion) and exterior, replace gas holder and associated piping, new sludge mixing system, replace flame trap assembly on cover, pressure relief valve, cover level transmitter, add gas meter.

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Howard F. Curren AWTP Capital Improvement Projects List 2018

Building No.	Project Name	Fiscal Year	Estimated Cost	Total Project Cost	Total Project Cost with Inflation	Project Description
21	Digester No. 5 Rehabilitation - Design	3	\$480,000	\$513,600	\$550,000	Design - Rehab of Digester No. 5, including tank cleaning; recoat tank interior and exterior; replace cover with gas holder and associated piping (sludge piping may be plugged to struvite); new sludge mixing system; replace flame trap assembly, pressure relief valves, cover level transmitter; add gas meter.
21	Digester No. 1 Rehabilitation	3	\$600,000	\$642,000	\$690,000	Construction - Rehab of digester, including tank cleaning, recoat tank interior (compatible with acid-gas phase digestion) and exterior, new sludge mixing system, replace flame trap assembly, pressure relief valves, cover level transmitter, add gas meter. Consider single construction contract for the improvements to Digester Nos. 1 through 4.
21	Digester No. 3 Rehabilitation	3	\$620,000	\$663,400	\$710,000	Construction includes cleaning and tank interior and exterior recoating, new sludge mixing system. (Note - sludge piping was replaced in 2013.)
25	DAR Train #1 Internal Recycle Magnetic Flow Meter Installation	3	\$60,000	\$64,200	\$70,000	Install a magnetic flow meter on the internal recycle conduit of Train #1 to monitor and control internal recycle.
25	DARs Upgrades - Construction	3	\$9,500,000	\$10,165,000	\$10,790,000	Construction - Improvements to the DARs Nos. 2-4 include demolition and cleaning of the existing equipment/tanks; new fine bubble diffused aeration, anoxic mixers, internal mixed liquor recycle pumps; miscellaneous concrete and handrail repair, pads and pedestals for new equipment and pipe; process pipe; and instrumentation including O2 meters. Replace influent and effluent gate actuators (16). It is recommended that changes to the aeration equipment be re-evaluated under this design (as described in the BNR Memo). Note that project cost listed differs from that in the Tech Memo as the CIP includes additional work/equipment replacement identified by the COT staff and in the asset inventory, whereas the Tech Memo focused on process modification costs
28	Digester Control Building A Improvements - Construction	3	\$4,500,000	\$4,815,000	\$5,110,000	Construction - Restore building and replace process equipment, piping, and electrical components. Replacement includes sludge flow mag meter, gas condensate tanks, digested sludge pumps No. 1 & 2, gas condensate collectors, sludge gas mixing compressors (6), recirculation pumps, acid-phase transfer pump & grinder; sludge, gas, secondary water and fuel piping and valves, MCC-62B.
29	Digester Control Building B Improvements - Design	3	\$400,000	\$428,000	\$460,000	Design - Restore building and replace process equipment, piping, and electrical components. Air compressor; sludge, gas, water and fuel piping and valves
47	Filter Building No. 2 Improvements - Construction	3	\$2,300,000	\$2,461,000	\$2,620,000	Construction - Improvements to Filter Building No. 2 include replacing backwash pumps (3) and blowers (3); influent channel gate, pipe, replacing one 72" and one 48" mag meters, MCC 85 and MCC 86 replacement, roof repairs, skylight replacement, concrete repairs.
48	Denite Filters No. 21 thru No. 26 and No. 31 thru No. 36 Improvements - Construction	3	\$3,800,000	\$4,066,000	\$4,320,000	Construction - Replace valves and actuators. Valves include (12) backwash water valves, (12) effluent valves, (12) backwash drain valves, (12) influent valves, (2) backwash flow regulating valves. Replace (12) influent gate actuators. Air piping and dressers need to be painted. Replace pumps including (2) filter drain pumps, (2) sump pumps need to be replaced, (3) backwash pumps. Replace two 18" mag meters. Paint backwash piping on outside over filters. Misc. concrete repairs.
55	Sludge Drying Bed Rehabilitation, Phase IV	3	\$900,000	\$963,000	\$1,030,000	This project provides for the rehabilitation of four (4) sludge drying beds per year. The filter media within several of the drying beds is clogged reducing efficiency of the sludge dewatering process. The rehabilitation of the sludge drying beds will be completed over several fiscal years and each phase will address the drying beds that are in most severe need of rehabilitation.
57	Nitrification Pump Station Improvements - Design	3	\$450,000	\$481,500	\$520,000	Design - Station needs to be rehabilitated; all pumps replaced (7) and design improvements made to prevent repeated pump failures
59	Screen & Grit Building No. 1 Improvements - Design	3	\$800,000	\$856,000	\$910,000	Design - Project includes equipment and pipe, electrical systems, ventilation improvements, concrete repairs and facility improvements. More specifically, replacing washer compactors, (6) influent gate actuators, (8) grit pumps, (4) overhead doors, cranes, grit tank rakes and drivers, collectors, baffles and guides, organic return flow pipe, air piping and valves, drain gate and intermediate gate including actuators in the influent channel, and downlegs of the air process piping at the effluent channel. Replace roof drain/ vent pipe, effluent water pipe. Lighting features need to be replaced. Rake support beams to be sand blasted and painted. Electrical conduits need to be replaced. Ceiling pipe penetration needs to be repaired. Grit pumps piping needs to be replaced. Influent and effluent gate actuators to be replaced.
80	Biogas Use Improvements - Construction	3	\$16,200,000	\$17,334,000	\$18,390,000	Construction - Cost is based on the election to pursue RNG biogas utilization. The RNG alternative includes the removal of existing biogas fueled engines and heat recovery equipment; installation of new biogas to RNG treatment, compression, storage, transport, and dispensing equipment; the use natural gas to provide digester heating; instrumentation, electrical, and safety systems upgrades.



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Howard F. Curren AWTP Capital Improvement Projects List 2018

Building No.	Project Name	Fiscal Year	Estimated Cost	Total Project Cost	Total Project Cost with Inflation	Project Description
80	Digester gas compressor and drying system	3	\$310,000	\$331,700	\$360,000	Gas compressor and drying systems includes electric motors, motor starters, steel bases, expansion joints, check valves, butterfly valves, bypass throttling valves with actuators, multi-stage centrifugal gas compressors, heat exchangers, coalescers, chillers, interconnecting piping, wiring, electrical conduit and related supports, structural steel supports for each component, control panels, gas temperature and pressure gauges.
New Facility	Additional Final Sedimentation Tanks (No. 21 - 24) and Return Station No. 6 - Design	3	\$3,600,000	\$3,852,000	\$4,090,000	Design - Add 4 more nitrification final tanks and another return station. The current final tanks are not fully adequate for solids settling and the additional tanks would allow for less solids to clog the denitrification filters during high flow periods.
Plantwide	Medium Voltage Cables Upgrade, Phase II - Design	3	\$75,000	\$80,250	\$90,000	Design - Medium Voltage Cables Upgrade, Phase II
Plantwide	Treatment Plant Office and Building Improvements - Design	3	\$700,000	\$749,000	\$800,000	Design - This project will include demo of existing buildings (carpenter shop, old screen and grit building, tech building), potential construction of new administration office building, improvements to O&M building, and relocation of carpenter shop.
Plantwide	AWT SCADA - Construction	3	\$1,000,000	\$1,070,000	\$1,140,000	Construction of Improvements for SCADA system
Plantwide	Effluent Water System Improvements - Construction	3	\$1,000,000	\$1,070,000	\$1,140,000	Construction - Replacement effluent water system piping and new effluent water pipe loop to improve effluent water system at the plant. New system will include additional capacity for a new odor control unit at JC No. 1 and improved pressure at screen and grit facilities.
Plantwide	Treatment Plant Security and Emergency Responses Improvements - Design	3	\$200,000	\$214,000	\$230,000	Design - Improvements to treatment plant's security and emergency response systems. Department is currently evaluating emergency response, safety, and security needs at the treatment plant. This project will provide funding for identified improvements which may include new access/entry gate systems and perimeter fencing.
9	Primary Sedimentation Tanks No. 1 - No. 4 Improvements - Construction	4	\$3,600,000	\$3,852,000	\$4,210,000	Construction - Improvements to the PSTs No. 1 - No. 4 including replacement of chain and flights, gearboxes and motors for influent sluice gate actuators (4), replacement of manual backflush sluice gates with motor operated gates (8); replacement of sludge blanket detector, rehab of scum pit; misc. concrete repairs to the tanks with coating. Effluent weirs and trough to be replaced. Line deck on effluent side of tanks. Scum and gravity thickener overflow pipe and valves to be replaced. 14" and 8" DAF scum and overflow pipes to be removed from ground up.
11	HPO Reactor Improvements - Construction	4	\$11,000,000	\$11,770,000	\$12,870,000	Construction - Improvements in the HPO Reactors consist of improvements to the influent and effluent channels which include cleaning, concrete repair and channel lining, new SS aeration system, replacement of 12 gates and actuators (4 reactor influent, 2 swing reactor, 3 reactor NIT influent, 2 side spike line, and 1 carb inf to reactor), meters, and sampling equipment. Improvements to the reactors consist of cleaning of the existing tanks, structural rehabilitation of the tanks (repair to concrete surfaces above the normal water line), replacing the existing surface aerators with larger mechanical aerators in stages 2-4 (3 reactors), replacing existing instrumentation and electrical systems upgrades. The aerator in the first mixing zone will be replaced with a submerged mixer, the aerators in stages 2-4 are larger to accommodate higher oxygen transfer. Additional improvements include replacing the dewatering main drain sluice gate and actuator, upgrade butterfly valves to electric butterfly valves, removal of alum pipe on reactor deck, replacing influent and effluent stop logs and actuators, replacing instrumentation including rate controllers, gas monitoring, air meters, step-feed meters, high water alarm, replacing MLSS sample pumps, and painting process air piping and spike line in influent channel. Construction work within influent and effluent channel will require bypass pumping. Note that project cost listed differs from that in the Tech Memo as the CIP includes additional work/equipment replacement identified by the COT staff and in the asset inventory, whereas the Tech Memo focused on process modification costs.
16	Post Aeration Chlorination Improvements - Construction	4	\$1,750,000	\$1,872,500	\$2,050,000	Construction - Improvements include relocating the post aeration system from the head of the chlorine contact tanks to the effluent channel. Misc. process equipment improvements including replacing post aeration tank gearboxes, post aeration spent cooling water mag meter and pipe, sample pumps, meters, temperature indicator, process air piping and a post aeration tank dewatering pump.
20	Primary Sludge Pump Station No. 1 Improvements	4	\$500,000	\$535,000	\$590,000	Replace dry-pit pumps (2), valves, (1) scum gate and actuator, (1) dewatering gate and actuator, misc. pipe, and instrumentation upgrades. Misc. building upgrades including new windows and doors.
21	Digester No. 5 Rehabilitation - Construction	4	\$2,400,000	\$2,568,000	\$2,810,000	Construction - Rehab of Digester No. 5, including tank cleaning; recoat tank interior and exterior; replace cover with gas holder and associated piping (sludge piping may be plugged to struvite); new sludge mixing system; replace flame trap assembly, pressure relief valves, cover level transmitter; add gas meter.
29	Digester Control Building B Improvements - Construction	4	\$1,900,000	\$2,033,000	\$2,230,000	Construction - Restore building and replace process equipment, piping, and electrical components. Air compressor; sludge, gas, water and fuel piping and valves
44	Switch Gear Facility Rehabilitation - Design	4	\$500,000	\$535,000	\$590,000	Design -Facility is generally in poor condition and will need to be replaced. Construction includes 24 new switchgear and 5000 sf building.

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Howard F. Curren AWTP Capital Improvement Projects List 2018

Building No.	Project Name	Fiscal Year	Estimated Cost	Total Project Cost	Total Project Cost with Inflation	Project Description
55	Sludge Drying Bed Rehabilitation, Phase V	4	\$900,000	\$963,000	\$1,060,000	This project provides for the rehabilitation of four (4) sludge drying beds per year. The filter media within several of the drying beds is clogged reducing efficiency of the sludge dewatering process. The rehabilitation of the sludge drying beds will be completed over several fiscal years and each phase will address the drying beds that are in most severe need of rehabilitation.
57	Nitrification Pump Station Improvements - Construction	4	\$4,500,000	\$4,815,000	\$5,270,000	Construction -Replaced submersible pumps (7), repair or replace valves, upgrade instrumentation an electrical systems
58	DAR Blowers Replacement - Design	4	\$600,000	\$642,000	\$710,000	Design - Blowers are constant speed; should be replaced with blowers that match air demands associated with DARS improvements and are adjustable. Replace transformers T-8A & 8B.
59	Screen & Grit Building No. 1 Improvements - Construction	4	\$4,000,000	\$4,280,000	\$4,680,000	Construction - Project includes equipment and pipe, electrical systems, ventilation improvements, concrete repairs and facility improvements. More specifically, replacing washer compactors, (6) influent gate actuators, (8) grit pumps, (4) overhead doors, cranes, grit tank rakes and drivers, collectors, baffles and guides, organic return flow pipe, air piping and valves, drain gate and intermediate gate including actuators in the influent channel, and down legs of the air process piping at the effluent channel. Replace roof drain/ vent pipe, effluent water pipe. Lighting features need to be replaced. Rake support beams to be sand blasted and painted. Electrical conduits need to be replaced. Ceiling pipe penetration needs to be repaired. Grit pumps piping needs to be replaced. Influent and effluent gate actuators to be replaced.
72	Digester No. 6 Rehabilitation - Design	4	\$260,000	\$278,200	\$310,000	Design - Includes cleaning and recoating tank interior and exterior, and misc. improvements. Digester 6 already has stainless gas mixing/piping from the 2012 rehab .
74	Digester Control Building C Improvements - Design	4	\$800,000	\$856,000	\$940,000	Replace sludge pump, recirculation pumps, misc. pipe repairs and hot water pumps; sludge, gas, water and fuel piping and valves; building improvements
83	Primary Sludge Pump Station No. 2 Improvements	4	\$620,000	\$663,400	\$730,000	Replace pumps (2), sluice gates and actuators (3), and instrumentation upgrades. Replace Existing MCC-48 & MCC-49. Concrete repairs
New Facility	Automated Septage Receiving Facility - Design	4	\$540,000	\$577,800	\$640,000	Design - A new septage receiving facility would be constructed near the southwest corner of the plant property. The septage receiving facility would consist of four standalone, automated sewage receiving stations that discharge to a new duplex submersible pump station. This new pump station would be connected via a new force main to either the Raw Sewage Pump Station or the Junction Chamber No. 1. The site work for the new septage receiving facility would include a new entrance and exit off Maritime Blvd., security fencing and access gate. While located on plant property, the security fencing would separate this site from the rest of the treatment plant
New Facility	Additional Final Sedimentation Tanks (No. 21 - 22) and Return Station No. 6 - Construction	4	\$19,500,000	\$20,865,000	\$22,800,000	Construction - Add 2 more nitrification final tanks and another return station, with provisions for adding 2 more tanks in the future. The current final tanks are not fully adequate for solids settling and the additional tanks would allow for less solids to clog the denitrification filters during high flow periods.
Plantwide	Medium Voltage Cables Upgrade, Phase II - Construction	4	\$500,000	\$535,000	\$590,000	Construction - Medium Voltage Cables Upgrade, Phase II
Plantwide	Treatment Plant Office and Building Improvements - Construction	4	\$6,700,000	\$7,169,000	\$7,840,000	Construction - This project will include demo of existing buildings (carpenter shop, old screen and grit building, tech building), potential construction of new administration office building, improvements to O&M building, and relocation of carpenter shop.
Plantwide	Treatment Plant Security and Emergency Response Improvements - Construction	4	\$1,000,000	\$1,070,000	\$1,170,000	Construction -Improvements to treatment plant's security and emergency response systems. Department is currently evaluating emergency response, safety, and security needs at the treatment plant. This project will provide funding for identified improvements which may include new access/entry gate systems and perimeter fencing.
44	Switch Gear Facility Rehabilitation - Construction	5	\$5,000,000	\$5,350,000	\$6,030,000	Construction - Facility is generally in poor condition and will need to be replaced. Construction includes 24 new switchgear and 5000 sf building.

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Howard F. Curren AWTP Capital Improvement Projects List 2018

Building No.	Project Name	Fiscal Year	Estimated Cost	Total Project Cost	Total Project Cost with Inflation	Project Description
50	Junction Chamber No. 5 Improvements	5	\$1,130,000	\$1,209,100	\$1,370,000	Install a flow meter in the Junction Chamber No. 5 to be able to have a constant primary effluent feeding to the Nitrification Pump Station. Repair/replace mag meter JC-5 FE-301, two spike line valves, five actuators, exhaust fan. Concrete repairs.
55	Sludge Drying Bed Rehabilitation, Phase VI	5	\$900,000	\$963,000	\$1,090,000	This project provides for the rehabilitation of four (4) sludge drying beds per year. The filter media within several of the drying beds is clogged reducing efficiency of the sludge dewatering process. The rehabilitation of the sludge drying beds will be completed over several fiscal years and each phase will address the drying beds that are in most severe need of rehabilitation.
58	DAR Blowers Replacement - Construction	5	\$5,800,000	\$6,206,000	\$6,990,000	Construction - Blowers are constant speed; should be replaced with blowers that match air demands associated with DARS improvements and are adjustable. Replace transformers T-8A & 8B.
61	Final Sedimentation Tanks Improvements No. 13 thru No. 20 Improvements - Design	5	\$600,000	\$642,000	\$730,000	Design - Project provides for replacement of chains and drive system for final sedimentation tanks 13-20. Also replace end-of-life motors, sluice gates (68), and gears. Mitigate any corrosion or leaks. Perform concrete repairs. Evaluate alternatives for automatic sludge blanket monitoring. Replace the rate controller equipment in the secondary effluent control channel including the secondary control weir, motor operated gear boxes, and gate operator motors. Instrumentation upgrades include automatic sludge blanket monitors, return sludge and waste sludge flow indicating transmitters, pump speed indication, and return sludge solids concentration monitoring. Design should evaluate options to automate return sludge pumping including SCADA integration with HPO and DAR MLSS monitoring equipment. .
72	Digester No. 6 Rehabilitation - Construction	5	\$1,300,000	\$1,391,000	\$1,570,000	Construction - Includes cleaning and recoating tank interior and exterior, and misc. improvements. Digester 6 already has stainless gas mixing/piping from the 2012 rehab.
74	Digester Control Building C Improvements - Construction	5	\$4,000,000	\$4,280,000	\$4,820,000	Replace sludge pump, recirculation pumps, misc. pipe repairs and hot water pumps; sludge, gas, water and fuel piping and valves; building improvements
22, 23, 24	Return Sludge Pumping Stations No. 1, No. 2 and No. 3 Rehabilitation - Design	5	\$1,200,000	\$1,284,000	\$1,450,000	Design - Replace piping, (12 per PS) valves and actuators, supply fans, (3) 2-ton Hoist, sump pumps, (5 per PS) sludge pumps, gates, (2) 24" return sludge meters, (2) 10" waste sludge flowmeters, SWGR-40, and MCC-43, MCC-45, (5 per PS) VFD's, lighting panels and misc. electrical components, roof repairs, in Return Sludge Pump Stations No. 1, No. 2, and No. 3. Miscellaneous concrete repairs.
New Facility	Automated Septage Receiving Facility - Construction	5	\$2,700,000	\$2,889,000	\$3,260,000	Construction - A new septage receiving facility would be constructed near the southwest corner of the plant property. The septage receiving facility would consist of four standalone, automated sewage receiving stations that discharge to a new duplex submersible pump station. This new pump station would be connected via a new force main to either the Raw Sewage Pump Station or the Junction Chamber No. 1. The site work for the new septage receiving facility would include a new entrance and exit off Maritime Blvd., security fencing and access gate. While located on plant property, the security fencing would separate this site from the rest of the treatment plant
Plantwide	Medium Voltage Cables Upgrade, Phase III - Design	5	\$150,000	\$160,500	\$190,000	Design - Medium Voltage Cables Upgrade, Phase III
26	3rd Gravity Thickener - Design	6	\$660,000	\$706,200	\$820,000	Design- A new sludge thickener train consisting of a new gravity thickener tank, two thickened waste activated sludge pumps, and associated appurtenances is recommended to provide redundancy and improve loading rates. The new sludge thickener train would be sized equal to the existing gravity thickeners and pumps. Replacement of the existing polymer feed system to be performed as a separate project, however this project will include a new polymer feed pump dedicated to the new gravity thickener.
31	Side Stream Treatment - Design	6	\$1,800,000	\$1,926,000	\$2,240,000	Design - Improvements recommended consist of the addition of a sidestream deammonification process to remove approximately 80-85% NH4-N and 70-75% TKN from the sidestream. Improvements include retrofitting two (2) of the existing twelve north final settling tanks, one as a sidestream equalization basin and the other as a biofilm reactor basin (e.g. ANITA™ Mox MBBR); building to house the blowers and pumps associated with the reactor; process pipe; instrumentation and controls.
41	O2 Plant No. 1 Rehabilitation - Design and GMP Development	6	\$900,000	\$963,000	\$1,120,000	Design -Improvements to the High Purity Oxygen Generation System No. 1 should be similar to the recently completed rehabilitation of the High Purity Oxygen Generation System No. 2 and includes replacement of process pipe, valves, and valve actuators; repairs to the cold box; replacement of the compressor; and new instrumentation and electrical components.

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Howard F. Curren AWTP Capital Improvement Projects List 2018

Building No.	Project Name	Fiscal Year	Estimated Cost	Total Project Cost	Total Project Cost with Inflation	Project Description
49	Junction Chamber No. 6 Miscellaneous Repairs	6	\$300,000	\$321,000	\$380,000	Repair or replace sluice gates (4).
55	Sludge Drying Bed Rehabilitation, Phase VII	6	\$900,000	\$963,000	\$1,120,000	This project provides for the rehabilitation of four (4) sludge drying beds per year. The filter media within several of the drying beds is clogged reducing efficiency of the sludge dewatering process. The rehabilitation of the sludge drying beds will be completed over several fiscal years and each phase will address the drying beds that are in most severe need of rehabilitation.
61	Final Sedimentation Tanks Improvements No. 13 thru No. 20 Improvements - Construction	6	\$6,000,000	\$6,420,000	\$7,450,000	Construction -Project provides for replacement of chains and drive system for final sedimentation tanks 13-20. Also replace end-of-life motors, sluice gates (68), and gears. Mitigate any corrosion or leaks. Perform concrete repairs. Provide for automatic sludge blanket monitoring. Replace the rate controller equipment in the secondary effluent control channel including the secondary control weir, motor operated gear boxes, and gate operator motors. Instrumentation upgrades include automatic sludge blanket monitors, return sludge and waste sludge flow indicating transmitters, pump speed indication, and return sludge solids concentration monitoring.
82	Primary Sedimentation Tank No. 5 thru No. 8 Improvements - Design	6	\$700,000	\$749,000	\$870,000	Design of improvements include replacement of chain and flights, gearboxes and motors for influent sluice gates (4), replacement of manual backflush sluice gates with motor operated gates (8); provide sludge blanket level monitors to improve operations, rehab of scum pit; rehab of baffles; misc. concrete repairs to the tanks with coating. Effluent weirs and trough to be replaced. Paint scum discharge piping from FSTs 13-20. Replace dewatering line from DARs (16") and nit waste line (6"). Replace Scum Valves.
22, 23, 24	Return Sludge Pumping Stations No. 1, No. 2 and No. 3 Rehabilitation - Construction	6	\$6,000,000	\$6,420,000	\$7,450,000	Construction - Replace piping, (12 per PS) valves and actuators, supply fans, (3) 2-ton Hoist, sump pumps, (5 per PS) sludge pumps, gates, (2) 24" return sludge meters, (2) 10" waste sludge flowmeters, SWGR-40, and MCC-43, MCC-45, (5 per PS) VFD's, lighting panels and misc. electrical components, roof repairs, in Return Sludge Pump Stations No. 1, No. 2, and No. 3. Miscellaneous concrete repairs.
9, 82	Reroute residuals recycle flow ahead of screening and grit removal	6	\$2,900,000	\$3,103,000	\$3,600,000	Rerouting the filter backwash, FST 13-20 WAS, and gravity thickener overflow (GTO) recycle streams ahead of screening and grit removal. This will require re-directing these flows to a new submersible PS and force main to either JC 1 or the 72" pipe into Screen and Grit Building No. 2. Several submersible PS's may be required if the various recycle streams cannot gravity flow to a central pump station site.
Plantwide	Medium Voltage Cables Upgrade, Phase III - Construction	6	\$500,000	\$535,000	\$630,000	Construction - Medium Voltage Cables Upgrade, Phase III
Plantwide	Plant Roof Repairs	6	\$250,000	\$267,500	\$320,000	Includes miscellaneous roof repairs throughout the plant.
Plantwide	Plant Painting Repairs	6	\$250,000	\$267,500	\$320,000	Includes miscellaneous painting throughout the plant.
Plantwide	Plant Concrete Repairs	6	\$600,000	\$642,000	\$750,000	Includes miscellaneous concrete repairs throughout the plant.
Plantwide	Plant Full Automation - Construction	6	\$2,360,000	\$2,525,200	\$2,930,000	Construction - Each system at the treatment plant will be automated (if possible). Includes the monitoring devices and control devices needed for the automation.
Plantwide	Miscellaneous Plant Equipment Repairs	6	\$3,000,000	\$3,210,000	\$3,730,000	Includes miscellaneous plant equipment repairs throughout the plant, including the rehabilitation/replacement of one (1) of the existing standby generators.
1	Raw Sewage PS Miscellaneous Repairs and Improvements	7	\$840,000	\$898,800	\$1,080,000	Repair general air leaks, replace duct axial supply fan, scum pit sluice gate, lighting panel, transformer, and MCC-64 and MCC-65.
2	Junction Chamber No. 1 Aeration Improvements - Design	7	\$600,000	\$642,000	\$770,000	Design - Aeration and mixing improvements consist of replacing the existing diffused air system which is reaching the end of its remaining useful life. Four new PD blowers, two 3600 cfm and two 4320 cfm, to replace the existing blowers, along with exposed air piping. New MCC's (3). (Note the second 4320 cfm blower is currently identified as a standby blower. As this blower is a considerably newer than the other blowers, it is recommended that the condition of this blower be evaluated during the design to confirm its replacement is necessary.) Additional improvements to Junction Chamber No. 1 include replacing sluice gates (17) and actuators (9).
9	PST Nos 1-4 Dewatering Pump Station - Design	7	\$150,000	\$160,500	\$200,000	Design - The addition of a dewatering pump station, similar to that associated with PSTs 5-8. The pump station layout would be similar to that of PSTs 5-8, including a wet well with two (2) submersible pumps and a valve box. Piping modifications would consist of cutting in a tee to the existing drain line(s), and extending a new pipe from the branch of the tee to the new pumps station. Valves would be added to the existing and proposed lines and would be used to switch between gravity and pump dewatering.
26	3rd Gravity Thickener - Construction	7	\$3,300,000	\$3,531,000	\$4,220,000	Construction- A new sludge thickener train consisting of a new gravity thickener tank, two thickened waste activated sludge pumps, and associated appurtenances is recommended to provide redundancy and improve loading rates. The new sludge thickener train would be sized equal to the existing gravity thickeners and pumps. Replacement of the existing polymer feed system to be performed as a separate project, however this project will include a new polymer feed pump dedicated to the new gravity thickener.



Projects highlighted indicates that scope has changed, RFQ has been issued, or construction or design is under contract.



Howard F. Curren AWTP Capital Improvement Projects List 2018

Building No.	Project Name	Fiscal Year	Estimated Cost	Total Project Cost	Total Project Cost with Inflation	Project Description
31	Side Stream Treatment - Construction	7	\$9,000,000	\$9,630,000	\$11,500,000	Construction - Improvements consist of the addition of a sidestream deammonification process to remove approximately 80-85% NH4-N and 70-75% TKN from the sidestream. Improvements include retrofitting two (2) of the existing twelve north final settling tanks, one as a sidestream equalization basin and the other as a biofilm reactor basin (e.g. ANITA™ Mox MBBR); building to house the blowers and pumps associated with the reactor; process pipe; instrumentation and controls.
41	O2 Plant No. 1 Rehabilitation - Construction	7	\$4,500,000	\$4,815,000	\$5,750,000	Construction -Improvements to the High Purity Oxygen Generation System No. 1 should be similar to the recently completed rehabilitation of the High Purity Oxygen Generation System No. 2 and includes replacement of process pipe, valves, and valve actuators; repairs to the cold box; replacement of the compressor; and new instrumentation and electrical components.
55	Sludge Drying Bed Rehabilitation, Phase VIII	7	\$900,000	\$963,000	\$1,150,000	This project provides for the rehabilitation of four (4) sludge drying beds per year. The filter media within several of the drying beds is clogged reducing efficiency of the sludge dewatering process. The rehabilitation of the sludge drying beds will be completed over several fiscal years and each phase will address the drying beds that are in most severe need of rehabilitation.
82	Primary Sedimentation Tank No. 5 thru No. 8 Improvements - Construction	7	\$3,600,000	\$3,852,000	\$4,600,000	Construction of improvements include replacement of chain and flights, gearboxes and motors for influent sluice gates (4), replacement of manual backflush sluice gates with motor operated gates (8); provide sludge blanket level monitors to improve operations, rehab of scum pit; rehab of baffles; misc. concrete repairs to the tanks with coating. Effluent weirs and trough to be replaced. Paint scum discharge piping from FSTs 13-20. Replace dewatering line from DARs (16") and nit waste line (6"). Replace Scum Valves.
Plantwide	Plant Roof Repairs	7	\$250,000	\$267,500	\$320,000	Includes miscellaneous roof repairs throughout the plant.
Plantwide	Plant Painting Repairs	7	\$250,000	\$267,500	\$320,000	Includes miscellaneous painting throughout the plant.
Plantwide	Plant Concrete Repairs	7	\$600,000	\$642,000	\$770,000	Includes miscellaneous concrete repairs throughout the plant.
Plantwide	Miscellaneous Plant Equipment Repairs	7	\$3,000,000	\$3,210,000	\$3,840,000	Includes miscellaneous plant equipment repairs throughout the plant, including the rehabilitation/replacement of one (1) of the existing standby generators.
2	Junction Chamber No. 1 Aeration Improvements - Construction	8	\$3,000,000	\$3,210,000	\$3,950,000	Construction - Aeration and mixing improvements consist of replacing the existing diffused air system which is reaching the end of its remaining useful life. Four new PD blowers, two 3600 cfm and two 4320 cfm, to replace the existing blowers, along with exposed air piping. New MCC's (3). (Note the second 4320 cfm blower is currently identified as a standby blower. As this blower is a considerably newer than the other blowers, it is recommended that the condition of this blower be evaluated during the design to confirm its replacement is necessary.) Additional improvements to Junction Chamber No. 1 include replacing sluice gates (17) and actuators (9).
9	PST Nos 1-4 Dewatering Pump Station - Construction	8	\$750,000	\$802,500	\$990,000	Construction - The addition of a dewatering pump station, similar to that associated with PSTs 5-8. The pump station layout would be similar to that of PSTs 5-8, including a wet well with two (2) submersible pumps and a valve box. Piping modifications would consist of cutting in a tee to the existing drain line(s), and extending a new pipe from the branch of the tee to the new pumps station. Valves would be added to the existing and proposed lines and would be used to switch between gravity and pump dewatering.
16	Disinfection Improvements - Design	8	\$1,200,000	\$1,284,000	\$1,580,000	Design - Disinfection facility improvements consist of replacing the existing chlorine gas disinfection system with a new sodium hypochlorite disinfection system. The sodium hypochlorite disinfection system includes liquid chemical storage, chemical transfer pumps, chemical feed pumps, process pipe, instrumentation and controls. Improvements would include demolition of the existing chlorine gas and sodium dioxide feed equipment. Additional disinfection facilities improvements include installation of baffle walls to improve disinfection performance. Perform misc. concrete repairs within the contact tank.
40	Operations and Maintenance Building MCC Replacement	8	\$350,000	\$374,500	\$470,000	Replace MCC-26, MCC-27, MCC-28.
New Facility	Additional Final Sedimentation Tanks (No. 23 - 24) - Construction	8	\$16,600,000	\$17,762,000	\$21,850,000	Construction - Add 2 more nitrification final tanks. The current final tanks are not fully adequate for solids settling and the additional tanks would allow for less solids to clog the denitrification filters during high flow periods. Two tanks and a return pump station will be constructed in a prior year. This project completes the expansion of the tanks.
Plantwide	Plant Roof Repairs	8	\$250,000	\$267,500	\$330,000	Includes miscellaneous roof repairs throughout the plant.
Plantwide	Plant Painting Repairs	8	\$250,000	\$267,500	\$330,000	Includes miscellaneous painting throughout the plant.
Plantwide	Plant Concrete Repairs	8	\$600,000	\$642,000	\$790,000	Includes miscellaneous concrete repairs throughout the plant.
Plantwide	Miscellaneous Plant Equipment Repairs	8	\$3,000,000	\$3,210,000	\$3,950,000	Includes miscellaneous plant equipment repairs throughout the plant, including the rehabilitation/replacement of one (1) of the existing standby generators.



Projects highlighted indicates that scope has changed, RFQ has been issued, or construction or design is under contract.



Howard F. Curren AWTP Capital Improvement Projects List 2018

Building No.	Project Name	Fiscal Year	Estimated Cost	Total Project Cost	Total Project Cost with Inflation	Project Description
Plantwide	Medium Voltage Cables Upgrade, Phase IV - Design	8	\$75,000	\$80,250	\$100,000	Design - Medium Voltage Cables Upgrade, Phase IV
16	Disinfection Improvements - Construction	9	\$5,400,000	\$5,778,000	\$7,320,000	Construction - Disinfection facility improvements consist of replacing the existing chlorine gas disinfection system with a new sodium hypochlorite disinfection system. The sodium hypochlorite disinfection system includes liquid chemical storage, chemical transfer pumps, chemical feed pumps, process pipe, instrumentation and controls. Improvements would include demolition of the existing chlorine gas and sodium dioxide feed equipment. Additional disinfection facilities improvements include installation of baffle walls to improve disinfection performance. Perform misc. concrete repairs within the contact tank.
55	Sludge Drying Bed Rehabilitation, Phase IX	9	\$900,000	\$963,000	\$1,220,000	This project provides for the rehabilitation of four (4) sludge drying beds per year. The filter media within several of the drying beds is clogged reducing efficiency of the sludge dewatering process. The rehabilitation of the sludge drying beds will be completed over several fiscal years and each phase will address the drying beds that are in most severe need of rehabilitation.
Plantwide	Plant Roof Repairs	9	\$250,000	\$267,500	\$340,000	Includes miscellaneous roof repairs throughout the plant.
Plantwide	Plant Painting Repairs	9	\$250,000	\$267,500	\$340,000	Includes miscellaneous painting throughout the plant.
Plantwide	Plant Concrete Repairs	9	\$600,000	\$642,000	\$820,000	Includes miscellaneous concrete repairs throughout the plant.
Plantwide	Miscellaneous Plant Equipment Repairs	9	\$3,000,000	\$3,210,000	\$4,070,000	Includes miscellaneous plant equipment repairs throughout the plant, including the rehabilitation/replacement of one (1) of the existing standby generators.
Plantwide	Medium Voltage Cables Upgrade, Phase IV - Construction	9	\$500,000	\$535,000	\$680,000	Construction - Medium Voltage Cables Upgrade, Phase IV
Plantwide	Medium Voltage Cables Upgrade, Phase V - Design	9	\$75,000	\$80,250	\$110,000	Design - Medium Voltage Cables Upgrade, Phase V
43	Chemical Storage Tanks Demolition	10	\$300,000	\$321,000	\$420,000	(9) Alum Storage Tanks and (1) Brewery Waste Tank need to be removed.
43	Methanol Storage Tank Replacement	10	\$280,000	\$299,600	\$400,000	Replace existing 100,000 gal. steel methanol storage tank No. 1 with two 50,000 gal. tanks to provide redundancy to the process.
Plantwide	Plant Roof Repairs	10	\$250,000	\$267,500	\$350,000	Includes miscellaneous roof repairs throughout the plant.
Plantwide	Plant Painting Repairs	10	\$250,000	\$267,500	\$350,000	Includes miscellaneous painting throughout the plant.
Plantwide	Plant Concrete Repairs	10	\$600,000	\$642,000	\$840,000	Includes miscellaneous concrete repairs throughout the plant.
Plantwide	Miscellaneous Plant Equipment Repairs	10	\$4,000,000	\$4,280,000	\$5,590,000	Includes miscellaneous plant equipment repairs throughout the plant.
Plantwide	Medium Voltage Cables Upgrade, Phase V - Construction	10	\$500,000	\$535,000	\$700,000	Construction - Medium Voltage Cables Upgrade, Phase V
Plantwide	Plant Roof Repairs	11	\$250,000	\$267,500	\$360,000	Includes miscellaneous roof repairs throughout the plant.
Plantwide	Plant Painting Repairs	11	\$250,000	\$267,500	\$360,000	Includes miscellaneous painting throughout the plant.
Plantwide	Plant Concrete Repairs	11	\$600,000	\$642,000	\$870,000	Includes miscellaneous concrete repairs throughout the plant.
Plantwide	Miscellaneous Plant Equipment Repairs	11	\$4,000,000	\$4,280,000	\$5,760,000	Includes miscellaneous plant equipment repairs throughout the plant.
62	Return Sludge Pumping Station No. 4 Rehabilitation	12	\$1,800,000	\$1,926,000	\$2,670,000	Rehabilitate return station No. 4. Replace 5 sludge pumps and VFDs. Replace valves and actuators (12). Replace MCC. Mitigate any corrosion or leaks. Miscellaneous pipe and concrete repairs
Plantwide	Plant Roof Repairs	12	\$250,000	\$267,500	\$380,000	Includes miscellaneous roof repairs throughout the plant.
Plantwide	Plant Painting Repairs	12	\$250,000	\$267,500	\$380,000	Includes miscellaneous painting throughout the plant.
Plantwide	Plant Concrete Repairs	12	\$600,000	\$642,000	\$890,000	Includes miscellaneous concrete repairs throughout the plant.
Plantwide	Miscellaneous Plant Equipment Repairs	12	\$4,000,000	\$4,280,000	\$5,930,000	Includes miscellaneous plant equipment repairs throughout the plant.
63	Return Sludge Pumping Station No. 5 Rehabilitation	13	\$1,800,000	\$1,926,000	\$2,750,000	Rehabilitate return station No. 5. Replace 5 sludge pumps and VFDs. Replace valves and actuators (12). Replace MCC. Mitigate any corrosion or leaks. Miscellaneous pipe and concrete repairs
Plantwide	Plant Roof Repairs	13	\$250,000	\$267,500	\$390,000	Includes miscellaneous roof repairs throughout the plant.
Plantwide	Plant Painting Repairs	13	\$250,000	\$267,500	\$390,000	Includes miscellaneous painting throughout the plant.
Plantwide	Plant Concrete Repairs	13	\$600,000	\$642,000	\$920,000	Includes miscellaneous concrete repairs throughout the plant.
Plantwide	Miscellaneous Plant Equipment Repairs	13	\$4,000,000	\$4,280,000	\$6,110,000	Includes miscellaneous plant equipment repairs throughout the plant.
Plantwide	Plant Roof Repairs	14	\$250,000	\$267,500	\$400,000	Includes miscellaneous roof repairs throughout the plant.
Plantwide	Plant Painting Repairs	14	\$250,000	\$267,500	\$400,000	Includes miscellaneous painting throughout the plant.
Plantwide	Plant Concrete Repairs	14	\$600,000	\$642,000	\$950,000	Includes miscellaneous concrete repairs throughout the plant.
Plantwide	Emergency Plant Bypass - Design	14	\$400,000	\$428,000	\$630,000	Design - Install a passive by-pass with disinfectant dosage from the southwest corner of JC1 to the existing 84" pipe that continues to the outfall structure at the SW corner of the plant site to be used in case of an emergency. Approximate length of new pipe required is 500 lf.

Projects highlighted indicates that scope has changed, RFQ has been issued, or construction or design is under contract.



Howard F. Curren AWTP Capital Improvement Projects List 2018

Building No.	Project Name	Fiscal Year	Estimated Cost	Total Project Cost	Total Project Cost with Inflation	Project Description
Plantwide	Miscellaneous Plant Equipment Repairs	14	\$4,000,000	\$4,280,000	\$6,290,000	Includes miscellaneous plant equipment repairs throughout the plant.
17	JC 4 to Outfall Structure - 96-inch pipe - Design	15	\$760,000	\$813,200	\$1,240,000	Design - Improvements consist of the installation of a second 96-inch pipe between JC 4 and the Outfall Structure.
Plantwide	Plantwide Paving Improvements	15	\$4,000,000	\$4,280,000	\$6,480,000	Plantwide Paving Improvements
Plantwide	Plant Roof Repairs	15	\$250,000	\$267,500	\$410,000	Includes miscellaneous roof repairs throughout the plant.
Plantwide	Plant Painting Repairs	15	\$250,000	\$267,500	\$410,000	Includes miscellaneous painting throughout the plant.
Plantwide	Plant Concrete Repairs	15	\$600,000	\$642,000	\$980,000	Includes miscellaneous concrete repairs throughout the plant.
Plantwide	Miscellaneous Plant Equipment Repairs	15	\$4,000,000	\$4,280,000	\$6,480,000	Includes miscellaneous plant equipment repairs throughout the plant.
Plantwide	Emergency Plant Bypass - Construction	15	\$2,000,000	\$2,140,000	\$3,240,000	Install a passive by-pass with disinfectant dosage from the southwest corner of JC1 to the existing 84" pipe that continues to the outfall structure at the SW corner of the plant site to be used in case of an emergency. Approximate length of new pipe required is 500 lf.
17	JC 4 to Outfall Structure - 96-inch pipe - Construction	16	\$3,800,000	\$4,066,000	\$6,340,000	Construction - Improvements consist of the installation of a second 96-inch pipe between JC 4 and the Overflow Structure.
New Facility	Additional Denite Filters - Design	16	\$1,000,000	\$1,070,000	\$1,670,000	Design - Addition of two denitrification filters. With the addition of sidestream treatment, additional filters are required as AADF exceeds 77 mgd.
Plantwide	Plant Roof Repairs	16	\$250,000	\$267,500	\$420,000	Includes miscellaneous roof repairs throughout the plant.
Plantwide	Plant Painting Repairs	16	\$250,000	\$267,500	\$420,000	Includes miscellaneous painting throughout the plant.
Plantwide	Plant Concrete Repairs	16	\$600,000	\$642,000	\$1,010,000	Includes miscellaneous concrete repairs throughout the plant.
Plantwide	Miscellaneous Plant Equipment Repairs	16	\$4,000,000	\$4,280,000	\$6,670,000	Includes miscellaneous plant equipment repairs throughout the plant.
New Facility	Additional Denite Filters - Construction	17	\$5,200,000	\$5,564,000	\$8,930,000	Construction - Addition of two denitrification filters. With the addition of sidestream treatment, additional filters are required as AADF exceeds 77 mgd.
Plantwide	Plant Roof Repairs	17	\$250,000	\$267,500	\$430,000	Includes miscellaneous roof repairs throughout the plant.
Plantwide	Plant Painting Repairs	17	\$250,000	\$267,500	\$430,000	Includes miscellaneous painting throughout the plant.
Plantwide	Plant Concrete Repairs	17	\$600,000	\$642,000	\$1,040,000	Includes miscellaneous concrete repairs throughout the plant.
Plantwide	Miscellaneous Plant Equipment Repairs	17	\$4,000,000	\$4,280,000	\$6,870,000	Includes miscellaneous plant equipment repairs throughout the plant.
59	Screen and Grit Building No.1 New Grit Tanks - Design	18	\$2,000,000	\$2,140,000	\$3,540,000	Design - Construct new more efficient grit tanks. Possible technology is the Eutek Headcell. Design will need to include grit classification study and hydraulic model to determine extent of pumping required.
Plantwide	Plant Roof Repairs	18	\$250,000	\$267,500	\$450,000	Includes miscellaneous roof repairs throughout the plant.
Plantwide	Plant Painting Repairs	18	\$250,000	\$267,500	\$450,000	Includes miscellaneous painting throughout the plant.
Plantwide	Plant Concrete Repairs	18	\$600,000	\$642,000	\$1,070,000	Includes miscellaneous concrete repairs throughout the plant.
Plantwide	Miscellaneous Plant Equipment Repairs	18	\$4,000,000	\$4,280,000	\$7,080,000	Includes miscellaneous plant equipment repairs throughout the plant.
59	Screen and Grit Building No.1 New Grit Tanks - Construction	19	\$16,800,000	\$17,976,000	\$30,610,000	Construction - Construct new more efficient grit tanks. Possible technology is the Eutek Headcell. Design will need to include grit classification study and hydraulic model to determine extent of pumping required.
Plantwide	Plant Roof Repairs	19	\$250,000	\$267,500	\$460,000	Includes miscellaneous roof repairs throughout the plant.
Plantwide	Plant Painting Repairs	19	\$250,000	\$267,500	\$460,000	Includes miscellaneous painting throughout the plant.
Plantwide	Plant Concrete Repairs	19	\$600,000	\$642,000	\$1,100,000	Includes miscellaneous concrete repairs throughout the plant.
Plantwide	Miscellaneous Plant Equipment Repairs	19	\$4,000,000	\$4,280,000	\$7,290,000	Includes miscellaneous plant equipment repairs throughout the plant.
Plantwide	Plant Roof Repairs	20	\$250,000	\$267,500	\$470,000	Includes miscellaneous roof repairs throughout the plant.
Plantwide	Plant Painting Repairs	20	\$250,000	\$267,500	\$470,000	Includes miscellaneous painting throughout the plant.
Plantwide	Plant Concrete Repairs	20	\$600,000	\$642,000	\$1,130,000	Includes miscellaneous concrete repairs throughout the plant.
Plantwide	Miscellaneous Plant Equipment Repairs	20	\$4,000,000	\$4,280,000	\$7,510,000	Includes miscellaneous plant equipment repairs throughout the plant.

The number of projects and cost shown for Year 0 were based on preliminary budget information provided by the City. These numbers may change depending on the final approval of the FY2019 CIP budget.

# Procurement Guidelines To Implement Women, Minority, & Small Business Participation

## Underutilized WMBE Primes by Industry Category

FORMAL PROCUREMENT	Construction	Construction-Related	Professional	Non-Professional	Goods
	Black	Asian	Black	Black	Black
	Hispanic	Native Am.	Hispanic	Asian	Hispanic
	Native Am.	Woman	Asian	Native Am.	Asian
	Woman		Native Am.		Native Am.
			Woman		Woman

## Underutilized WMBE Sub-Contractors / Sub-Consultants

SUB WORK	Construction	Construction-Related	Professional	Non-Professional	Goods
	Black	Black	Black	Black	Black
		Asian	Asian	Asian	Asian
		Native Am.	Native Am.	Native Am.	Native Am.
		Woman	Woman		Woman
			Hispanic		

### Policy

The Guidelines apply to formal procurements and solicitations. WMBE participation will be narrowly-tailored for affected groups.

### Index

**Black (BBE)** = Black/African-American Business Enterprise

**Hispanic (HBE)** = Hispanic Business Enterprise

**Asian (ABE)** = Asian Business Enterprise

**Native American (NBE)** = Native American Business Enterprise

**Woman (WBE)** = Woman Business Enterprise (Caucasian)

### Industry Categories

**Construction** is defined as: new construction, renovation, restoration, maintenance of public improvements and underground utilities.

**Construction-Related Services** are defined as: architecture, professional engineering, landscape architecture, design build, construction management services, or registered surveying and mapping.

**Professional Services** are defined as: attorney, accountant, medical doctor, veterinarian, miscellaneous consultant, etc.

**Non-Professional Services** are defined as: lawn maintenance, painting, janitorial, printing, hauling, security guard, etc.

**Goods** are defined as: all supplies, materials, pipes, equipment, machinery, appliances, and other commodities.

### DMI-70 Form



## EBO Guidelines for Evaluation Points on RFP and CCNA Proposals

<b>Points Pursuant to Designated Industry Category: _____</b> <b>DMI-71 FORM</b> <b>(Refer to DMI 70 Form and DMI 50 Form -GFE Outreach)</b>		
	<b>Evaluation Criteria</b>	<b>Point</b>
A.	Underutilized WMBE Firms participating as the Prime Contractor (City of Tampa Certified Only)	16-20
B.	City of Tampa Certified WMBE and/or SLBE Prime Contractor with meaningful sub-(contractor, consultant) participation by City Certified Underutilized WMBE and/or SLBE firms	5 - 15
C.	Non-City of Tampa Certified WMBE & SLBE Prime Contractor with meaningful sub-(contractor, consultant) participation by City Certified Underutilized WMBE and/or SLBE firms	1 - 15
D.	* External agency WMBE & SLBE/DBE certifications recognized by the City of Tampa for designated RFP, RFQ, and RFI solicitations	0 – 7
<b>NOTE: The maximum points available for WMBE and/or SLBE participation will not exceed twenty (20).  In addition, evaluation points will be awarded for To-Be-Determined (TBD) participation.</b>		

Points are determined as follows (Requires DMI 50 Form -GFE):

- A. A maximum of twenty (20) rating points **may** be awarded when the Proposer is a City of Tampa Certified WMBE firm deemed underutilized within the industry category established by the RFQ/RFP/RFI.
- B. A maximum of fifteen (15) rating points **may** be awarded when the Proposer is a City of Tampa-certified WMBE and/or SLBE with meaningful participation by City-certified WMBE and/or SLBE sub-contractors/consultants.
- C. One to Fifteen (1-15) rating points **may** be awarded when the Proposer is not a City of Tampa certified WMBE & SLBE prime contractor but utilizes either Underutilized WMBE and/or SLBE certified firm(s) as sub-contractors/consultants and assigned to perform meaningful segments of the contractual services detailed herein and documented on the enclosed DMI 10-20 Form.
- D. A maximum of seven (7) “discretionary” rating points **may** be awarded when the Proposer provides WMBE & SLBE participation from an external agency recognized by the City. Discretionary points may be awarded for ancillary participation (see definition). **In addition, evaluation points will be awarded for To-Be-Determined (TBD) participation.** The point values for ancillary participation may be subordinate to weighted values outlined in categories A, B, and C above.

**NOTE:** \*WMBE participation is narrowly tailored (per policy) to target the underutilization of affected groups in specific trade/industry categories. Any WMBE & SLBE achievement that was not designated on the DMI 70 Form is considered ancillary. Ancillary participation may be counted with overall participation and credited to your rating points when underutilization criteria are met.

**The maximum number of points available for WMBE and/or SLBE participation will not exceed a total of twenty (20) points.**



## EBO Guidelines for Evaluation Points on RFP and CCNA Proposals

### **Equal Business Opportunity Evaluation Weighted Points: CCNA Proposal Guidelines**

Under CCNA solicitations, proposers must submit to preconstruction Good Faith Efforts (GFE) requirements covering the inclusion of City of Tampa-certified WMBE and SLBE firms. Such inclusion shall be clearly addressed and documented utilizing DMI 10, 20, and 50 Forms. Proof of certification shall include copies of current certification certificates. This applies to ALL Phase 1 preconstruction design services.

Points awarded during the shortlist selection process will be more heavily weighted predominantly on the design side (this does not preclude identification of phase 2 projections of construction participation that follow in the future, i.e., GMPs). In order to ensure the maximum points, a proposer must **clearly identify and quantify** its planned participation without ambiguity. Simply marking "To Be Determined" (TBD) will not satisfy this requirement and may receive significantly lower ratings. Finally, additional favorable consideration will be granted to the firm(s) that beyond all others, provide(s) the highest *relevant* and most binding participation.

### **Additional Evaluation Information:**

The evaluation includes but is not limited to the following criteria:

- Diversity of WMBE & SLBE subcontractors listed to be utilized (DMI Form 20)
- Percentage of proposal/scope committed to WMBE & SLBE subcontracting.
- The collective factors in determining the total points awarded will be based on the overall weight of evidence in the proposal that specified the participation.
- Subcontractors utilized for meaningful tasks. The meaningful task is viewed as being related to the core scope of work.

In all cases, the Proposer and/or subcontractor(s) must be WMBE and/or SLBE certified prior to the opening date and time of the RFP to be eligible to earn WMBE & SLBE rating points. The evaluation process of WMBE and SLBE participation will be evaluated by the City of Tampa's Office of Equal Business Opportunity. The Successful Proposer will be required to execute the DMI 40 Form (Letter of Intent-LOI) with their subcontractors/sub-consultants prior to award.







## Page 2 of 4 – DMI **Solicited/Utilized**

### Instructions for completing The Sub-(Contractors/Consultants/ Suppliers) Solicited Form (DMI 10 Form)

**This form must be submitted with all bids or proposals.** All subcontractors (regardless of ownership or size) solicited and subcontractors from whom unsolicited quotations were received must be included on this form. The instructions that follow correspond to the headings on the form required to be completed. Note: Ability or desire to self-perform all work shall not exempt the prime from Good Faith Efforts to achieve participation.

- **Contract No.** This is the number assigned by the City of Tampa for the bid or proposal.
- **Contract Name.** This is the name of the contract assigned by the City of Tampa for the bid or proposal.
- **Contractor Name.** The name of your business and/or doing business as (dba) if applicable.
- **Address.** The physical address of your business.
- **Federal ID.** FIN. A number assigned to your business for tax reporting purposes.
- **Phone.** Telephone number to contact business.
- **Fax.** Fax number for business.
- **Email.** Provide email address for electronic correspondence.
- **No Firms were contacted or solicited for this contract.** Checking the box indicates that a pre-determined Subcontract Goal or Participation Plan Requirement was not set by the City resulting in your business not using subcontractors and will self-perform all work. If during the performance of the contract you employ subcontractors, the City must pre-approve subcontractors. Use of the “Sub-(Contractors/Consultants/Suppliers) Payments” form (DMI 30 Form) must be submitted with every pay application and invoice. Note: Certified SLBE or WMBE firms bidding as Primes are not exempt from outreach and solicitation of subcontractors.
- **No Firms were contacted because.** Provide brief explanation why no firms were contacted or solicited.
- **See attached documents.** Check box, if after you have completed the DMI Form in its entirety, you need more space to list additional firms and/or if you have supplemental information/documentation relating to the form. All DMI data not submitted on the DMI 10 Form must be in the same format and have all requested data from DMI 10 Form included.

The following instructions are for information of any and all subcontractors solicited.

- **“S” = SLBE, “W” = WMBE.** Enter “S” for firms Certified by the City as Small Local Business Enterprises and/or “W” for firms Certified by the City as either Women/Minority Business Enterprise; **“O” = Non-certified others.**
- **Federal ID.** FIN. A number assigned to a business for tax reporting purposes. This information is critical in proper identification and payment of the contractor/subcontractor.
- **Company Name, Address, Phone & Fax.** Provide company information for verification of payments.
- **Type of Ownership.** Indicate the Ethnicity and Gender of the owner of the subcontracting business.
- **Trade, Services, or Materials** indicate the trade, service, or materials provided by the subcontractor. NIGP codes aka “National Institute of Governmental Purchasing” are listed at top section of document.
- **Contact Method L=letter, F=fax, E=Email, P=Phone.** Indicate with letter the method(s) of soliciting for bid.
- **Quote or Resp. (response) Rec’d (received) Y/N.** Indicate “Y” Yes if you received a quotation or if you received a response to your solicitation. Indicate “N” No if you received no response to your solicitation from the subcontractor. Must keep records: log, ledger, documentation, etc. that can validate/verify.

If additional information is required or you have questions, please contact the Equal Business Opportunity Program - Office of Equal Business Opportunity at (813) 274-5522.





## Page 4 of 4 DMI – Solicited/**Utilized**

### Instructions for completing The Sub-(Contractors/Consultants/ Suppliers) to be Utilized Form (DMI 20 Form)

***This form must be submitted with all bids or proposals. All subcontractors (regardless of ownership or size) projected to be utilized must be included on this form.*** Note: Ability or desire to self-perform all work shall not exempt the prime from Good Faith Efforts to achieve participation.

**Contract No.** This is the number assigned by the City of Tampa for the bid or proposal.

- **Contract Name.** This is the name of the contract assigned by the City of Tampa for the bid or proposal.
- **Contractor Name.** The name of your business and/or doing business as (dba) if applicable.
- **Address.** The physical address of your business.
- **Federal ID.** FIN. A number assigned to your business for tax reporting purposes.
- **Phone.** Telephone number to contact business.
- **Fax.** Fax number for business.
- **Email.** Provide email address for electronic correspondence.
- **No Subcontracting/consulting (of any kind) will be performed on this contract.** Checking box indicates your business will not use subcontractors when no Subcontract Goal or Participation Plan Requirement was set by the City, but will self-perform all work. When subcontractors are utilized during the performance of the contract, the “Sub-(Contractors/Consultants/Suppliers) Payments” form (DMI 30 Form) must be submitted with every pay application and invoice. Note: certified **SLBE or WMBE firms** bidding as Primes **are not exempt** from outreach and solicitation of subcontractors, including completion and submitting Form-10 and Form-20.
- **No Firms listed To-Be-Utilized.** Check box; provide brief explanation why no firms were retained when a goal or participation plan requirement was set on the contract. **Note: Mandatory compliance with Good Faith Effort outreach (GFCP) requirements applies (DMI 50 Form) and supporting documentation must accompany the bid.**
- **See attached documents.** Check box, if after completing the DMI Form in its entirety, you need more space to list additional firms and/or if you have supplemental information/documentation relating to the scope/value/percent utilization of subcontractors. Reproduce copies of DMI-20 and attach. All data not submitted on duplicate forms must be in the same format and content as specified in these instructions.

The following instructions are for information of Any and All subcontractors To Be Utilized.

- **Federal ID.** FIN. A number assigned to a business for tax reporting purposes. This information is critical in proper identification of the subcontractor.
- **“S” = SLBE, “W” = WMBE.** Enter “S” for firms Certified by the City as Small Local Business Enterprises and/or “W” for firms Certified by the City as Women/Minority Business Enterprise; **“O” = Non-certified others.**
- **Company Name, Address, Phone & Fax.** Provide company information for verification of payments.
- **Type of Ownership.** Indicate the Ethnicity and Gender of the owner of the subcontracting business.
- **Trade, Services, or Materials (NIGP code if Known)** Indicate the trade, service, or material provided by the subcontractor. Abbreviated list of NIGP is available at <http://www.tampagov.net/DMI> “Information Resources”.
- **Amount of Quote, Letters of Intent** (required for both SLBEs and WMBEs).
- **Percent of Work/Contract.** Indicate the percent of the total contract price the subcontract(s) represent. For CCNA only (i.e. Consultant A/E Services) you must indicate subcontracts as percent of total scope/contract.
- **Total Subcontract/Supplier Utilization.** – Provide total dollar amount of all subcontractors/suppliers projected to be used for the contract. (Dollar amounts may be optional in CCNA depending on solicitation format).
- **Total SLBE Utilization.** Provide total dollar amount for all projected SLBE subcontractors/Suppliers used for this contract. (Dollar amounts may be optional in CCNA proposals depending on the solicitation format).
- **Total WMBE Utilization.** Provide total dollar amount for all projected WMBE subcontractors/Suppliers used for this contract. (Dollar amounts may be optional in CCNA proposals depending on the solicitation format).
- **Percent SLBE Utilization.** Total amount allocated to SLBEs divided by the total bid/proposal amount.
- **Percent WMBE Utilization.** Total amount allocated to WMBEs divided by the total bid/proposal amount.

If additional information is required or you have questions, please contact the Equal Business Opportunity Program - Office of Equal Business Opportunity at (813) 274-5522.



## **Good Faith Effort Compliance Plan (GFECP) Guidelines**

for Women/Minority Business Enterprise & Small Local Business Enterprise Participation

City of Tampa - Equal Business Opportunity Program

**(DMI 50 Form – See detailed instructions on page 3 of 3)**

Contract Name \_\_\_\_\_ Bid Date \_\_\_\_\_

Bidder/Proposer \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

Name \_\_\_\_\_ Title \_\_\_\_\_

The Compliance Plan with attachments is a true account of Good Faith Efforts (GFE) made to achieve the participation goals as specified for Women, Minority Business Enterprises & Small Local Business Enterprises (WMBE & SLBE) on the referenced contract:

- ☐ WMBE & SLBE participation **Goal is Not Specified for this Solicitation** however participation is aspirational and **GFECP is required**.
- ☐ WMBE & SLBE participation **Goal is Met or Exceeded** (refer to Goal-Set DMI 90 Form).
- ☐ WMBE & SLBE participation Goal is **Not Fully Achieved** (refer to Goal-Set DMI 90 Form).

For each checkbox above Bidders/Proposers shall submit DMI 10 and 20 Forms which accurately report all subcontractors solicited and all subcontractors to-be-utilized. The following list is an overview of the required baseline GFECP action steps for all bids/proposals. Furthermore, it is understood that these GFECP requirements are weighted in the compliance evaluation based on the veracity and demonstrable degree of documentation provided with the bid/proposal:

**(Check applicable boxes below - Must enclose supporting documents accordingly with Qualifying Remarks)**

- (1) Solicited through reasonable and available means the interest of WMBE & SLBEs that have the capability to perform the work of the contract. The Bidder or Proposer must solicit this interest within enough time to allow the WMBE & SLBEs to respond. The Bidder or Proposer must take appropriate steps to follow up initial solicitations with interested WMBE & SLBEs. ☐ **See DMI report forms for subcontractors solicited.** ☐ **See enclosed supplemental data on solicitation efforts.**
  - ☐ **Qualifying Remarks**
- (2) Provided interested WMBE & SLBEs with adequate, specific scope information about the plans, specifications, and requirements of the contract, including addenda, in a timely manner to assist them in responding to the requested scope identified by bidder/proposer for the solicitation. ☐ **See enclosed actual solicitations used.**
  - ☐ **Qualifying Remarks**
- (3) Negotiated in good faith with interested WMBE & SLBEs that have submitted bids (e.g. adjusted quantities or scale). Documentation of negotiation must include the names, addresses, and telephone numbers of WMBE & SLBEs that were solicited; the date of each such solicitation; a description of the information provided regarding the plans and specifications for the work selected for subcontracting; and evidence as to why agreements could not be reached with WMBE & SLBEs to perform the work. Additional costs involved in soliciting and using subcontractors is not a sufficient reason for a bidder/proposer's failure to meet goals or achieve participation, as long as such costs are reasonable. Bidders are not required to accept excessive quotes in order to meet the goal.
  - ☐ **DMI Utilized Forms for sub-(contractor/consultant) reflect genuine negotiations** ☐ **This project is an RFQ/RFP in nature and negotiations are limited to clarifications of scope/percentages, specifications, qualifications and subs fee schedules.**
  - ☐ **See enclosed documentation.**
  - ☐ **Qualifying Remarks**
- (4) Not rejecting WMBE & SLBEs as being unqualified without justification based on a thorough investigation of their capabilities. The WMBE & SLBEs standing within its industry, membership in specific groups, organizations / associations and political or social affiliations are not legitimate causes for rejecting or not soliciting bids to meet the goals.
  - ☐ **Not applicable.** ☐ **See attached justification for rejection of a subcontractor's bid or proposal.** ☐ **Qualifying Remarks**
- (5) Made scope(s) of work available to WMBE & SLBE subcontractors and suppliers; and, segmented portions of the work or material consistent with the available WMBE & SLBE subcontractors and suppliers, to facilitate meeting the goal. ☐ **In addition, Sub-Contractors could bid on their own choice of work or trade without restriction to a pre-determined**



portion. ☐ See enclosed comments.☐ **Qualifying Remarks**

- (6) Made good faith efforts, despite the ability or desire of Bidder/Proposer to perform the sub-tasks of a contract with its own forces/organization. A Bidder/Proposer who desires to self-perform the sub-tasks of a contract must demonstrate good faith efforts if the goal has not been met. ☐ **Sub-Contractors were not prohibited from submitting bids/proposals and were solicited on work typically self-performed by the prime.** ☐ **Qualifying Remarks w/Documents**
- (7) Segmented the portions of the work to be performed by WMBEs & SLBEs in order to increase the likelihood that the goals will be met. This includes, where appropriate, breaking out contract work items into economically feasible units (quantities/scale) to facilitate WMBE & SLBE participation, even when the Bidder/Proposer might otherwise prefer to perform these work items with its own forces. ☐ **Sub-Contractors could bid on their own choice of work or trade without restriction to a pre-determined portion.**☐ **Sub-Contractors were not prohibited from submitting bids/proposals and were solicited on work typically self-performed by the prime.** ☐ See enclosed comments.☐ **Qualifying Remarks**
- (8) Made efforts to assist interested WMBEs & SLBEs in obtaining bonding, lines of credit, or insurance as required by the City or contractor.  
☐ **See enclosed documentation on initiatives undertaken and methods to accomplish.** ☐ **Qualifying Remarks**
- (9) Made efforts to assist interested WMBEs & SLBEs in obtaining necessary equipment, supplies, materials, or related assistance or services, including participation in an acceptable mentor-protégé program. ☐ **See enclosed documentation of initiatives and/or agreements.** ☐ **Qualifying Remarks**
- (10) Effectively used the services of the City and other organizations that provide assistance in the recruitment and placement of WMBEs & SLBEs.  
☐ **See enclosed documentation of services engaged.** ☐ **Overview (attached) of tactical actions and resources employed toward recruitment**

**Note:** Any unsolicited information in support of your Bid/RFP Compliance must accompany your submittal. ☐ **Identify Information Submitted**



**Participation Plan: Guidance for Complying with Good Faith Efforts Outreach (page 3 of 3 )**

- (1) All firms on the WMBE & SLBE Goal Setting List must be solicited and documentation provided for email, fax, letters, phone calls, and other methods of outreach/communication with the listed firms. The DMI Solicited and DMI-Utilized forms must be completed for all firms solicited and all firms utilized. Other opportunities for subcontracting should be explored to attain participation. May consult Tampa EBO Office and/or researching the on-line Diversity Management Business System Directory for Tampa certified WMBE & SLBE firms.
- (2) Solicitation of WMBE & SLBEs, via written or electronic notification, should provide specific information on the services needed, where plans can be reviewed and assistance offered in obtaining these, if required. Solicitations should be sent a minimum of a week (i.e. 5 city business days or more) before the bid/proposal date. Actual copies of the bidder's solicitation containing their scope-specific instructions should be provided.
- (3) With any quotes received, a follow-up should be made when needed to confirm detail scope of work. For any WMBE & SLBE low quotes rejected, an explanation shall be provided detailing negotiation efforts.
- (4) If a low bid WMBE & SLBE is rejected or deemed unqualified the contractor must provide an explanation and supporting documentation for this decision.
- (5) Prime shall break down portions of work into economical feasible opportunities for subcontracting. The WMBE & SLBE directory may be useful in identifying additional subcontracting opportunities and certified firms not listed in the "WMBE & SLBE Goal Setting Firms Contact List."
- (6) Contractor shall not preclude WMBE & SLBEs from bidding on any part of work, even if the Contractor may desire to self-perform aspects of the work.
- (7) Contractor shall avoid relying solely on subcontracting those scopes of work where WMBE & SLBE availability is not sufficient to attain pre-determined goals; including RFP/RFQ solicitations, all of which require GFECPC compliance to achieve sub-consultant participation.
- (8) In its solicitations, the Bidder should offer assistance to WMBE & SLBEs in obtaining bonding, insurance, et cetera, if required of subcontractors by the City or Prime Contractor.
- (9) In its solicitation, the Bidder should offer assistance in obtaining equipment for a specific job to WMBE & SLBEs, if needed. This includes mobilization where applicable.
- (10) Contractor should use the services offered by such agencies as the Small Business Development Center (SBDC) @ University South Fla.; SBDC @ Hillsborough County Entrepreneur Collaborative Center; Hillsborough NAACP Empowerment Center; Hillsborough County Economic Development Department DM/DWBE/SBE Program and Prospera-Hispanic Business Assoc. to name a few for the recruitment and placement of available WMBEs/SLBEs.

**RFQ TRANSMITTAL MEMORANDUM  
FOR A SUBMITTAL TO THE CITY OF TAMPA, FLORIDA**

TRANSMITTAL DATE: \_\_\_\_\_

RFQ NO. & TITLE: 25-D-00043; Howard F. Curren AWTP Master Plan Update

TO: Brad L. Baird, P. E., Chairman Selection & Certification Committee (CCNA)

c/o Contract Administration Department via [ContractAdministration@tampagov.net](mailto:ContractAdministration@tampagov.net)

306 East Jackson Street, 4th Floor North, Tampa, Florida 33602

SUBMITTER ("Firm") NAME: \_\_\_\_\_

FEDERAL TAX ID#: \_\_\_\_\_

FIRM TYPE:

☐ Individual/Sole Proprietor  
☐ Limited Liability Company

☐ Joint Venture (JV)\*  
☐ Other: \_\_\_\_\_

☐ Partnership (PN)\*

☐ Corporation

FIRM CONTACT NAME: \_\_\_\_\_

EMAIL: \_\_\_\_\_

PHONE: \_\_\_\_\_

**CERTIFICATIONS:**

Firm is licensed, permitted, and certified as required to do business in Florida: ☐ Yes ☐ No

License/registration/certification no(s): \_\_\_\_\_

Per §287.133, Fla. Stat., individuals or entities (including those meeting the §287.133, Fla. Stat. definition of "affiliate") placed on the convicted vendor list ("List") following a conviction for public entity crimes may not submit a bid, proposal, or reply ("Response") on a contract to provide any goods or services to a public entity, may not submit a Response on a contract with a public entity for the repair or construction of a public building or public work, may not submit a Response for leases of real property to a public entity, and may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity; and may not transact business with any public entity in excess of the threshold amount provided in §287.017, Fla. Stat. for CATEGORY TWO for a period of 36 months from the date of placement on the List. Neither Firm nor its affiliates have been placed on the List: ☐ Yes ☐ No

Pursuant to Tampa Code Section 2-284; Bidder's Criminal History Screening Practices ("Ban-The-Box"), the Firm hereby; ☐ declines incentive points and attaches no documentation ☐ applies for incentive points and attaches all the required documentation.

Firm shall comply with all applicable governmental rules & regulations, including the City's Ethics Code (Sec. 2- 522, Tampa Code). The City's Charter & Ethics Code prohibit any City employee from receiving any substantial benefit or profit out of any award or obligation entered into with the City, or from having any direct or indirect financial interest in effecting any such award or obligation. If Firm is successful, it shall ensure no City employee receives any such benefit or interest as a result of such award (See Sec.2-514(d), Tampa Code): ☐ Yes ☐ No

Firm is not in arrears and is not in default upon any obligation to the City of Tampa: ☐ Yes ☐ No

Firm does not use coercion for labor or services as defined in Section 787.06, F.S.

Firm agrees that if the City of Tampa determines Firm has participated in any collusive, deceptive, or fraudulent practices with regard to this submittal, in addition to any other remedy it may exercise, the City will have the right to debar Firm and deem invalid any contract let under such circumstances: ☐ Yes ☐ No

Data or material Firm asserts to be exempted from public disclosure under Chapter 119, Fla. Stat., is submitted in a separate, single electronic searchable PDF file labeled with the above RFQ number and the phrase "Confidential Material", which identifies the data/material to be protected, states the reasons the data/material is exempt from public disclosure, and the specific Florida statute allowing such exemption (if "No" or otherwise, then Firm waives any possible or claimed exemption upon submission, effective at opening): ☐ Yes ☐ No

**FAILURE TO COMPLETE THE ABOVE MAY RESULT IN FIRM'S SUBMITTAL BEING DECLARED NON-RESPONSIVE**

Authorized Signature : \_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: ☐ Sole Prop ☐ Pres ☐ Sr VP ☐ Gen Ptnr ☐ LLC Auth.Mbr/Mgr

☐ Other \_\_\_\_\_ (attach proof of authority)