

Project title: Amendment No. 2 to Professional Services Agreement with Brown and Caldwell, Inc., for 2020 Water Filter Plant Facilities Plan

Council Bill #

Agenda dates requested:

3/3/2021

Briefing

Proposed action

Consent

Action

Ordinance

Public hearing

Yes No

Budget amendment:

Yes No

PowerPoint presentation:

Yes No

Attachments:

Amendment No. 2

Department(s) involved:

Public Works

Contact person:

Zach Brown

Phone number:

425-257-8872

Email:

zbrown@everettwa.gov

Initialed by:

RLS

Department head

Administration

Council President

Consideration: Amendment No. 2 to PSA with Brown and Caldwell, Inc.

Project: 2020 Water Filter Plant Facilities Plan

Partner/Supplier: Brown and Caldwell, Inc.

Location: Water Filter Plant

Preceding action: PSA, Amendment No. 1

Fund: Fund 401 - Utilities

Fiscal summary statement: The City of Everett has an existing Professional Services Agreement with Brown and Caldwell, Inc. with a total compensation amount of \$517,053.00. This amendment seeks to provide \$209,683.00 in additional funds for a revised total compensation amount not to exceed \$726,736.00. Project funding is provided by Fund 401 – Utilities.

Project summary statement: Public Works seeks to amend a Professional Services Agreement with Brown and Caldwell, Inc. for the 2020 Water Filter Plant Facilities Plan. The original PSA was signed 8/27/19 and included a suite of assessment, analysis, report preparation, and capital improvement program development tasks. Amendment No. 1, signed 4/2/20, revised the scope to provide additional specialty valve condition and criticality assessment services to aid in identification of valve and actuator deficiencies and assist in capital project planning and prioritization. This amendment will revise the scope to include additional water treatment systems evaluations and alternatives analysis, additional hydraulic capacity analysis, and technical assistance related to programmatic requirements. This amendment will also extend the agreement completion date to December 31, 2022 and provide additional funds (\$209,683.00) to support the additional tasks.

Recommendation (exact action requested of Council): Authorize the Mayor to sign Amendment No. 2 to the Professional Services Agreement with Brown and Caldwell, Inc., to prepare the 2020 Water Filter Plant Facilities Plan to revise the project scope, extend the contract completion date and increase the compensation by \$209,683.00 for a total amount not to exceed \$726,736.00.

**AMENDMENT NO. 2
PROFESSIONAL SERVICES AGREEMENT
BETWEEN THE CITY OF EVERETT
AND BROWN AND CALDWELL, INC.**

This Amendment No. 2 is dated for reference purposes _____ 2020. It is by and between the City of Everett, a municipal corporation under the laws of the State of Washington (“City”) and BROWN AND CALDWELL, INC. (“Service Provider”).

RECITALS

A. The City and Service Provider are parties to the Professional Services Agreement dated AUGUST 27, 2019 (the “Agreement”).

B. The City and the Service Provider desire to amend the Agreement for the purpose of REVISING THE SCOPE OF SERVICES TO INCLUDE ADDITIONAL WATER TREATMENT SYSTEMS EVALUATIONS AND ALTERNATIVES ANALYSIS, ADDITIONAL HYDRAULIC CAPACITY ANALYSIS, AND TECHNICAL ASSISTANCE RELATED TO PROGRAMMATIC REQUIREMENTS, EXTENDING THE AGREEMENT COMPLETION DATE, AND INCREASING THE TOTAL COMPENSATION.

AGREEMENT

The City and Service Provider agree as follows:

1. The Agreement is modified so that time of beginning and completion are as follows:

Time of Beginning and Completion of Performance: This Agreement shall commence as of the date of execution of this Agreement and shall be completed by DECEMBER 31, 2022.

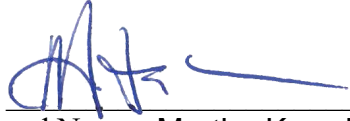
2. The Agreement is modified so that total compensation, including all services and expenses, shall not exceed SEVEN HUNDRED TWENTY-SIX THOUSAND SEVEN HUNDRED THIRTY-SIX DOLLARS (\$726,736.00).
3. The Work is modified to add the Work shown on Exhibit A to this Amendment.
4. Regardless of the date(s) on which this Amendment is signed by the parties, the parties agree that the Agreement has been continuously in effect since AUGUST 27, 2019.
5. At the sole discretion of the City, the City may consent to the Service Provider’s signature on this Amendment being by email, fax, pdf or other electronic means, in which case such Service Provider signature will be deemed an original signature for all purposes. The City will be deemed to have given such consent effective upon execution of this Amendment by the Mayor of the City.

6. All provisions in the Agreement shall remain in effect except as expressly modified by this Amendment.

**CITY OF EVERETT
WASHINGTON**

BROWN AND CALDWELL, INC.

By: _____
Cassie Franklin, Mayor

Signature: 
Typed/Printed Name: Martha Knowlton
Title: Vice President

Date

February 11, 2021
Date

ATTEST:

Sharon Fuller, City Clerk
Date: _____

**STANDARD
AGREEMENT
APPROVED AS TO
FORM
DAVID C. HALL
CITY ATTORNEY**

EXHIBIT A
Scope of Work

City of Everett Contract No. 153983
Water Filtration Plant Facility Plan Contract Amendment Scope of Services

Everett Water Filtration Plant Facility Plan Amendment 2

Project Understanding

The City of Everett Water Filtration Plant (WFP) is located adjacent to Lake Chaplain approximately 16 miles east of Everett, WA. The WFP provides water for over 600,000 people, which is approximately 75% of the population of Snohomish County. This critical piece of infrastructure supports the water supply in the north Puget Sound area and its continued operation is vital for the wellbeing of area residents and the economy of the City of Everett. The previous Facility Plan for the WFP was completed in 2002, and the City has identified a need to develop an updated plan that addresses critical capital project needs and capital planning for the WFP. This Facility Plan will focus on assessing the WFP's existing infrastructure, facility resiliency and reliability, and the ability of the WFP to meet future water quality regulations. The project deliverable will be a Facility Plan that includes an evaluation of the existing infrastructure and recommended CIP for plant improvements that meets WAC 246-290.

Scope of Work Summary and Work Breakdown Structure

The Consultant scope of work for the Project includes 16 tasks, which are identified in the following table, including new Tasks 112-115 added under Amendment 2.

Facility Plan Tasks	
Task 101	Condition and Criticality Assessment
Task 102	Resiliency, Reliability, and Redundancy Assessment
Task 103	Solids Dewatering Technology Assessment
Task 104	Regulatory and Water Quality Assessment
Task 105	Unit Process Performance Assessment
Task 106	Hydraulic Profile Assessment
Task 107	Capital Improvement Program Development
Task 108	Facility Plan
Task 109	Project Management
Task 110	Quality Assurance and Control
Task 111	Unidentified Services
<u>Task 112</u>	<u>As-Requested Technical Services (NEW in Amendment 2)</u>
<u>Task 113</u>	<u>Hypochlorite Dosing System Evaluation and Alternatives (NEW in Amendment 2)</u>
<u>Task 114</u>	<u>WFP Operations and Maintenance Manual Update Support (NEW in Amendment 2)</u>

Facility Plan Tasks	
Task 115	Filter Re-Rating Assessment (NEW in Amendment 2)
Task 201	Valve Assessment

Amendment 2:

Amendment 2 modifies the scope and budget for existing tasks 107, 109, and 111, and adds a new Tasks 112-115. The updated scope descriptions are included below, with edits to the scope for Task 111 in strike and underline format to include descriptions of work previously approved or pending completion under that task.

Task 107 – Capital Improvement Program (future work)

The scope and budget for Task 107 are modified to incorporate additional support for CIP revisions associated with plant capacity determinations, seismic upgrade inclusion and timing, desired timing of projects, and other additional effort to support CIP development and CIP TM revisions. An additional budget allocation of \$10,000 for this task is included.

Additional technical support for City decision making related to plant capacity determinations, seismic upgrade inclusion and timing, and desired timing of projects (e.g., supporting plant capacity discussions with WSDOH and the City’s comprehensive water planning consultant) are included separately under Task 111.

Note that this task does not include effort for geotechnical or seismic investigations or cost estimating for potential seismic upgrades identified by such investigations. Scope and effort for those tasks can be developed separately if directed by the City.

Task 109 – Project Management (future work)

The duration of Task 109 is modified to extend through December 31, 2022, including additional budget for monthly check-in calls and invoicing activities.

Task 111 – Unidentified Services (Detailed scope descriptions provided for both completed and future work. New budget added for a portion of completed work and all future work.)

Objective: Provide budget allowance for potential Support additional work requested by the City. The City has provided direction for BC to complete several technical assessments and other support activities under Task 111. Work conducted to-date and activities pending completion under Task 111 are described under sub-tasks below.

Activities/Approach: To be determined, based on City requests. No work will be completed under this task without written direction from the City.

Everett Responsibilities

Provide direction and authorization for requested additional work.

Work Products

To be determined.

Task 111a. Hypochlorite Piping System Assessment (completed)

Activities/Approach:

- Contact pipe testing laboratories to determine options for testing representative samples of the existing hypochlorite pipe to estimate the remaining useful service life of the existing piping.
- Develop a cost estimate for pipe material testing and recommendations of locations for gathering pipe samples within the hypochlorite facility.
- Contact pipe manufacturers and suppliers to identify the universe of the pipe materials suitable for conveying hypochlorite solutions.
- Assemble performance data and market availability for each pipe material.
- Gather pipe and fitting material costs from pipe suppliers and develop a representative cost estimate for the replacement of the hypochlorite pipe.
- Compare the available pipe materials based on performance characteristics, representative cost estimates, and operation and maintenance criteria.
- Develop a recommendation for the pipe material best suited for the replacement of PVC hypochlorite pipe. Review recommendations with BC senior technical staff.
- Develop a short (maximum 10 page) technical memo summarizing pipe material alternatives and a recommendation for replacement pipe material.

Everett Responsibilities

- Provide input pipe material evaluation criteria.

Work Products

- Sodium Hypochlorite Pipe Material Replacement Analysis technical memorandum, draft and final.

Task 111b. Generator Design Review (completed)

Activities/Approach: The City requested that BC provide advisory review related to the City's Water Filtration Plant generator replacement project. Specifically, BC was requested to review draft interim design materials, and to provide feedback on key considerations that the City should take into account in selecting voltage for a new power generation system at the WFP.

Support includes:

- Review design and background materials provided by the City
- Participate in conference calls with City staff to verify understanding of operational needs and discuss key considerations for City staff
- Deliver feedback in the form of written and verbal key considerations for generator selection

Everett Responsibilities

- Provide design and background materials to support the review.
- Participate in design review conference calls.

Work Products

- Written and verbal key comments on key considerations for City selection of a new medium voltage (12.47 kV) or low voltage (480V) replacement generator system.

Task 111c. Finished Water Pump Station Assessment (partially completed, future work remaining)

Activities/Approach: To be determined, based on City requests. No work will be completed under this task without written direction from the City.

- Review available historical water demand records for the past 5 years, including records of water transmission via pumped flow and gravity flow.
- Review any recent changes to the City's transmission pipes that may alter the anticipated future split between gravity and pumped flows.
- Review water demand projections in most recent Water System Plan.
- Make adjustments to water demand projections based on recent data as needed.
- Review design as well as any operating data for all FWPS 1 and 2 pumps, including pump curves and control strategy.
- Develop a hydraulic model with the pump curves and system curves. The model will help assess whether the pumps and/or pump station configuration are contributing to vibration issues and the need for excess pump maintenance.
- Determine pumping requirements (number of pumps required) for a range of conditions. These conditions may range from average day winter demands at the low end to the maximum filter capacity at the high end (as the filter capacity limits the overall plant capacity), taking into account typical and maximum allowable splits of gravity transmission and pressurized transmission flows. This would provide a range of trigger points when additional pumps would need to be placed on-line.
- Review "City of Everett Drinking Water Plant Wire to Water Efficiency Analysis" report provided by the City as part of the analysis and in developing recommendations for the pump stations.
- Develop recommendations to optimize control strategy.
- Develop recommendations for FWPS 1 and FWPS 2 to optimize pump performance including net positive suction head recommendations.
- Develop a design sketch for an intake flow straightening fixture for FWPS 2 pumps.
- Conduct two workshops with Plant Staff to discuss findings and recommendations of the finished water pump station analysis.
- Conduct a water filtration plant site visit to inspect the finished water pumps while in operation and discuss finished water pump performance with plant staff. Two technical staff to attend site visit.
- Conduct a site visit during the rebuild of finished water pumps 5 or 6 to inspect internal pump components to assess potential causes of cavitation events. Two technical staff to attend the site visit.
- Conduct a follow up site visit after the re-build of finished water pumps 5 or 6 during pump start up.
- Develop a Finished Water Pump Station Evaluation TM to document the evaluation approach and findings.

Everett Responsibilities

- Provide direction and authorization for requested additional work.
- Provide water demand data for the past 5 years.
- Provide pump design data including any vendor submittals.
- Provide pump operating data and control strategy.
- Participate in workshops with appropriate operators and other staff.
- Host three site visits from BC technical staff.

Work Products

- Workshop Facilitation including Agenda and Meeting Notes, draft and final.

- Finished Water Pump Station Evaluation TM, draft and final.

Task 111d. Additional Facility Plan Technical Support (combination of completed and future work)

Activities/Approach: At the City’s request, the following technical support is provided in addition to the core facility plan tasks.

- **Additional Solids Dewatering Recommendations (completed)**
 - Developed recommendations for improved geo bag performance and backwash water pond operation for optimization of solids thickening. Recommendations were provided as Attachment A in solids dewatering technical memo.
- **Sample Water Pump Analysis (completed – future support included in Task 112)**
 - Attend calls with City staff to discuss sample water pump operational issues.
 - Review sample water pump record drawings, photos, and field collected operational data related to sample pump operation and performance. Review to focus on sample water pumps 11, 12/18, 16, and 17 located in the backwash water pump room.
 - Based on record drawings and operational data, develop a decision tree for in-house sample pump troubleshooting and evaluation. Recommendations to focus on addressing the noisy sample pump operation and high vibration.
 - Provide additional technical support as requested by City staff.
- **Hydraulic Profile Assessment Datum Correction (completed)**
 - Update Visual Hydraulics model based on the correction from the local plant datum to NAVD88.
 - Using the updated model, re-run the hydraulic analysis and update the technical memo results, recommendations, and hydraulic profile figures.
- **Revise Task 104 Regulatory and Water Quality Figures (completed)**
 - Complete City-directed revisions to appendix figures for the Task 104 Regulatory and Water Quality Assessment TM.

Task 112 –As-Requested Technical Services (future work)

Objective: Provide on-call technical support related to water filtration plant O&M and capital improvement planning needs.

Activities/Approach: To be determined, based on City requests. No work will be completed under this task without written direction from the City.

A budget allowance of \$50,000 is included for this task.

Everett Responsibilities

- Provide direction and authorization for requested additional work.

Work Products

- To be determined.

Task 113 Hypochlorite Dosing System Evaluation and Alternatives (future work)

Activities/Approach: Evaluate hypochlorite dosing system and develop alternatives for replacement of the existing venturi eductors with new eductors or chemical metering pumps.

- Conduct field investigation of existing system to observe vibration and other issues; interview operations and maintenance staff on performance of existing system; take photographs for use in developing demolition drawings.
- Review hypochlorite facility record drawings to determine the mechanical and electrical utilities and space available for the upgraded chemical metering system.
- Review historic chemical metering rates and forecasted production to determine current and future chemical dosing rates.
- Conduct a hydraulic evaluation to determine the design criteria and operating conditions (head, flow, and turndown) for the chemical metering pumps.
- Contact chemical metering pump suppliers for preliminary metering pump selections .
- Contact vacuum chemical feed suppliers for preliminary selections.
- Gather equipment costs from suppliers and develop relative cost estimates for the replacement of the hypochlorite eductors and feeders. Relative cost estimates will not be full construction cost estimates; they will be focused on the relative equipment costs.
- Compare the replacement alternatives based on performance characteristics, representative cost estimates, and operation and maintenance criteria.
- Develop a recommendation for the system replacement. Review recommendations with BC senior technical staff.
- Conduct workshop with Plant Staff to review alternatives and recommendation.
- Develop a technical memo summarizing alternatives and recommendation. (10 pages maximum)

Everett Responsibilities

- Provide input on evaluation criteria.
- Participate in workshop and site visit/staff interviews.
- Supply ten years of historic sodium hypochlorite metering rates.
- Supply record drawings, specifications, and relevant existing asset information from the 2006 construction of the sodium hypochlorite facility.
- Participate in BC's field inspection of existing hypochlorite metering system.

Work Products

- Sodium Hypochlorite Dosing System Replacement Evaluation and Alternatives technical memorandum, draft and final.

Meetings

- Site visit to field inspect the existing system and field verify site conditions. Assume conducted by two BC staff with a duration of 4 hours on-site.

Task 114 WFP Operations and Maintenance Manual Update Support (future work)

Activities/Approach: Brown and Caldwell will provide review of the updated WFP Operations and Maintenance (O&M) Manual. Specific responsibilities include:

- Review DOH guidelines related to water treatment plant operations manuals.
- Review existing WFP O&M Manual and identify possible regulatory deficiencies and/or technical changes that need to be addressed.
- Review WFP O&M Manual text that the City has revised based on initial comments and provide technical editorial assistance.

- Provide recommendations for technical information, appendices, etc. updates to meet current DOH guidelines.
- Identify SOPs and/or O&M manuals that are not included in the current WFP Operations Manual that would be beneficial to include.
- Facilitate development/collation of missing SOPs and/or O&M manuals for inclusion in the updated WFP O&M Manual.

Everett Responsibilities

- Provide electronic copies of existing and draft revised WFP O&M Manual.
- Everett staff will develop/collate, with BC staff coordination, missing SOPs and/or O&M manuals identified for inclusion with the updated WFP Operations Manual.

Task Assumptions

- City to -provide existing WFP O&M Manual in PDF format, and draft updated O&M Manual in Microsoft Word format.
- Task hours assume that WFP O&M manual does not exceed 300 pages.
- This task will not include production of new sections of operational guidance but will be limited to review and comment on existing O&M guidance developed by the City.
- Assume BC support effort will be limited to 140 hours, to be utilized as-directed by the City.

Meetings

- Assume 3 coordination and review conference calls, lasting 1 hour each and attended by 2 BC staff.

Work Products

- Brief technical memorandum summarizing BC's assessment and recommendations for the updated operations and maintenance manual.
- Working copy of WFP O&M Manual file with comments and edits in track changes.
 - Final version of WFP O&M Manual to be submitted by June 30, 2021.

Task 115 Filter Re-Rating Assessment (future work)

Activities/Approach: The City is in the process of studying the possibility of seeking DOH approval for rerating the WFP filters from the current approved rate of 8 gpm/sf to a revised filter loading rate of 10 gpm/sf. BC has conducted recent efforts on the Facility Plan project related to potential hydraulic and/or process based bottlenecks resulting from higher flow rates through the plant. The City would like BC to conduct a holistic engineering analysis to determine the effect rerating may have on plant productivity. A rough outline of scope and timing of the requested effort follows.

- Review pilot study summary documents, as they become available, to extract filter productivity data needed for plant production assessment.
- Review WAC/DOH requirements for hydraulic/plant production information required to be submitted for filter plant rerating.
- Analyze WFP hydraulics and unit processes to determine appropriateness of filter rerating and/or any plant limitations that need to be addressed prior to implementing rerating strategy.
 - Preliminary analysis will identify a universe of potential capital improvements (e.g. new flocculated and filtered water flanged connections, modifications to existing filter

effluent piping, etc.) and modifications to filter operations that will meet the City's plant productivity target. Qualitative advantages/disadvantages will be summarized for these options and will be presented to the City during a virtual workshop.

- Pending feedback from the City on preferred options, BC will perform an alternatives analysis on two selected alternatives for improvements. A third alternative, consisting of plant production if no improvements are made beyond filter re-rating (e.g. increasing filtration rates from 8 to 10 gpm/sf) will be presented as a baseline. Budget-level capital cost estimates will be developed for each alternative, along with description of necessary modifications to filter operations. Each alternative will include recommendations for
- Provide recommendations for timeline and scope of recommended necessary plant improvements, process changes, etc. that should be implemented as a part of the rerating strategy.

Everett Responsibilities

- Provide copy of Pilot Work Plan and/or Interim or Final Pilot Study Reports as they become available.
- Identify plant production targets/operating scenarios to be achieved via filter re-rating.
- Provide review comments and other input to BC on rerating engineering submittal.

Task Assumptions

- BC's efforts will focus on assessment of the effects that re-rating will have on WFP hydraulics, processes (e.g. backwash, chem feed, rec. water pond pumps and pond level, etc.), and net filter production. BC will not evaluate potential impacts to finished water quality resulting from re-rating.
- Communications with WSDOH are not requested at this time.

Meetings

- Assume 2 coordination and review virtual workshops, lasting 2 hours each and attended by 3 BC staff.

Work Products

- Technical memorandum summarizing analysis findings, with the necessary level of detail per DOH rerating guidelines for inclusion in a report the City will prepare and submit to DOH. Estimated page count is 10 to 20 pages, not including front end (e.g., table of contents, list of figures, etc.) and appendices.

EXHIBIT B-1

Everett, City of (WA) -- Everett Water Facility Plan																																									
		Weber, Patrick C	Farrill, Kathleen A	Giesbrecht, Todd C	Roh, Damon K	Persich, William A	Drangsholt, Steven	Pare, Wendy M	Manitz, Robert E	Gray, Matthew	Lau, Chun C	Read, Alexander C	Lutke, Linnea S	McClary, David E	Long, Richard E	Anderson, Gary L	Gish, Casey C	Dummer, Catherine A	Kraider, Tiffany M	Wilson, Joanna B	Koch, William B	Olsen, Jacob C	Bray, Molly E	Stephens, Lynn M	Billing, Brandon M	Havens, Nicklas J	Moore, Zimir G			Reproduction		Company Vehicles		Coles (HVAC)	Bozeat (Valve)						
Phase	Phase Description	Project Manager	Project Analyst	Principal QA/QC	Project Eng	Project Advisor / QA/QC	Cond Assess.	Tech Editing	Struct Eng	Mech Eng	Seismic Review QA/QC	Elect Eng	I&C Eng	Struct QA/QC	Mech QA/QC	Elect QA/QC	Staff Eng	Cost Est.	Health and Safety	Project Biller	Mech Eng	Staff Eng	Mech Eng	Water Treatment Eng	Hydraulics Eng	Elect Eng	Project Advisor QA/QC	Total Labor Hours	Total Labor Effort		Total ODCs		Total Unit Pricing Effort	Cost	Cost	Total Sub Cost	Total Expense Cost	Total Expense Effort	Total Effort		
100	Phase 1 Tasks	515	107	61	616	254	58	44	54	66	16	64	38	8	95	8	926	92	12	28	81	7	88	110	12	6	10	3,377	663,105	300	300	1,200	1,200	9,400	0	9,400	9,700	11,182	674,287		
101	Cond and Crit Assess	42	4	4	55	24	40	10	48	66	0	58	34	0	0	0	112	0	4	0	0	0	0	0	0	0	0	0	502	103,471	0	0	0	8,200	0	8,200	8,200	8,446	111,917		
102	3R Assessment	15	2	4	56	8	6	4	6	0	16	6	0	0	0	0	64	0	0	0	0	0	0	0	0	0	0	0	187	38,009	0	0	0	1,200	0	1,200	1,200	1,236	39,245		
103	Solids Dewatering	8	2	4	26	9	0	4	0	0	0	0	0	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0	114	20,664	0	0	0	0	0	0	0	0	20,664		
104	Regulatory and Water QA	6	2	0	32	12	0	4	0	0	0	0	0	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0	116	21,239	0	0	0	0	0	0	0	0	21,239		
105	Unit Process Perf. Assess	0	2	0	26	6	0	4	0	0	0	0	0	0	0	0	65	0	0	0	0	0	0	0	0	0	0	0	103	17,670	0	0	0	0	0	0	0	0	17,670		
106	Hydraulic Profile Assess	0	2	0	32	12	0	4	0	0	0	0	0	0	0	0	53	0	0	0	0	0	0	0	0	0	0	0	103	18,890	0	0	0	0	0	0	0	0	18,890		
107	Capital Improvement Dev.	47	19	12	107	30	12	6	0	0	0	0	0	0	0	0	159	92	0	0	0	0	0	0	0	0	0	0	485	94,990	0	0	0	0	0	0	0	0	94,990		
108	Facility Plan	31	18	10	54	12	0	8	0	0	0	0	0	0	0	0	96	0	0	0	0	0	0	0	0	0	0	0	229	41,496	300	300	0	0	0	0	300	300	41,796		
109	Project Management	153	56	18	8	4	0	0	0	0	0	0	0	0	0	0	24	0	8	28	0	0	0	0	0	0	0	0	299	53,362	0	0	1,200	1,200	0	0	0	1,200	54,562		
110	QA/QC	0	0	9	0	57	0	0	0	0	0	0	0	8	12	8	0	0	0	0	0	0	0	0	0	0	0	94	24,408	0	0	0	0	0	0	0	0	24,408			
111	Unidentified Services	114	0	0	100	16	0	0	0	0	0	0	0	0	29	0	40	0	0	0	41	7	0	0	0	0	0	347	72,510	0	0	0	0	0	0	0	0	72,510			
112	As-Req'd Tech Svcs	60	0	0	24	40	0	0	0	0	0	0	0	0	16	0	68	0	0	0	40	0	0	0	0	0	2	250	50,000	0	0	0	0	0	0	0	0	50,000			
113	Hypochlorite System	12	0	0	0	6	0	0	0	0	0	0	4	0	26	0	8	0	0	0	0	0	0	88	0	0	8	158	28,748	0	0	0	0	0	0	0	0	28,748			
114	O&M Manual Support	10	0	0	60	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	0	0	0	140	30,901	0	0	0	0	0	0	0	0	30,901			
115	Filter Re-Rating Assmt	16	0	0	36	8	0	0	0	0	0	0	0	0	12	0	116	0	0	0	0	0	0	50	12	0	0	250	46,748	0	0	0	0	0	0	0	0	46,748			
201	Valve Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50,921	50,921	50,921	52,448	52,448			
****	Default Task	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50,921	50,921	50,921	52,448	52,448		
GRAND TOTAL		515	107	61	616	254	58	44	54	66	16	64	38	8	95	8	926	92	12	28	81	7	88	110	12	6	10	3,377	663,105	300	300	1,200	1,200	9,400	50,921	60,621	60,621	63,630	726,736		

EXHIBIT B-2

WFP Amendment 2 Budget Summary						
Facility Plan Task		Current Budget	New Budget (Amendment 2)	New Total	Completed (estimated)	Future (estimated)
Tasks 101-106, 108, 110, 201	Various tasks (unchanged by Amendment 2)	\$348,277	-	\$348,277	\$268,600	\$79,700
Task 107	Capital Improvement Program Development	\$84,990	\$10,000	\$94,990	\$87,100	\$7,900
Task 109	Project Management	\$39,203	\$15,359	\$54,562	\$37,300	\$17,300
Task 111	Unidentified Services	\$44,583	\$27,927	\$72,510	\$55,000	\$17,600
111a	Hypochlorite Piping Assessment (est.)	-	-	-	\$11,300	-
111b	Generator Design Review (est.)	-	-	-	\$14,700	-
111c	Finished Water Pump Station Assessment (est.)	-	-	-	\$17,000	\$17,600
111d	Additional Facility Plan Technical Support (est.)	-	-	-	\$12,000	-
Task 112	As-Requested Technical Services (NEW in Amendment 2)	\$0	\$50,000	\$50,000	-	\$50,000
Task 113	Hypochlorite Dosing System Evaluation (NEW in Amendment 2)	\$0	\$28,748	\$28,748	-	\$28,748
Task 114	WFP Operations and Maintenance Manual Update Support (NEW in Amendment 2)	\$0	\$30,901	\$30,901	-	\$30,901
Task 115	Filter Re-Rating Assessment (NEW in Amendment 2)	\$0	\$46,748	\$46,748	-	\$46,748
Totals (including Facility Plan tasks 101-106, 108, 110, 201)		\$517,053	\$209,682	\$726,736	\$448,000	\$279,000