

**AMENDMENT NUMBER 2 TO THE
PROFESSIONAL SERVICES
AGREEMENT BETWEEN
BLACK & VEATCH LTD OF MICHIGAN
AND THE CITY OF ANN ARBOR FOR
ULTRAVIOLET (UV) DISINFECTION SYSTEM REPLACEMENT PROJECT**

This Amendment Number 2 ("Amendment") is to the agreement between the City of Ann Arbor, ("City") and Black & Veatch, LTD of Michigan, ("Contractor") for Professional Services Agreement (PSA) which is dated 10-13-2022 ("Agreement"). City and Contractor agree to amend the Agreement as follows:

1. III. Services, Paragraph A is amended to read as follows:

The Contractor agrees to provide professional engineering services ("Services") in connection with the Project as described in Exhibits A, A1 and A2. The City retains the right to make changes to the quantities of service within the general scope of the Agreement at any time by a written order. If the changes add to or deduct from the extent of the services, the compensation shall be adjusted accordingly. All such changes shall be executed under the conditions of the original Agreement.

2. V. Compensation of the Contractor, Paragraph A is amended to read as follows:

The Contractor shall be paid in the manner set forth in Exhibits B, B1 and B2. Payment shall be made monthly, unless another payment term is specified in Exhibits B, B1 or B2, following receipt of invoices submitted by the Contractor, and approved by the Contract Administrator.

3. The attached Exhibit A2 is included in this Agreement.
4. The attached Exhibit B2 is included in this Agreement.

All terms, conditions, and provisions of the Agreement, unless specifically amended above, shall apply to this Amendment and are made a part of this Amendment as though expressly rewritten, incorporated, and included herein.

City and Contractor agree that for this Amendment and any documents related to the Agreement: 1) signatures may be delivered electronically in lieu of an original signature; 2) to treat electronic signatures as original signatures that bind them; and 3) signatures may be executed and delivered by facsimile and upon such delivery, the facsimile signature will be deemed to have the same effect as if the original signature had been delivered to the other party.

This Amendment to the Agreement shall be binding on the Parties' heirs, successors, and assigns.

[SIGNATURE PAGE FOLLOWS]

**BLACK & VEATCH LTD OF
MICHIGAN**

By: _____

Name: David S. Koch

Title: Associate Vice President

Date: _____

CITY OF ANN ARBOR

By: _____

Name: Milton Dohoney Jr.

Title: City Administrator

Date: _____

By: _____

Name: Christopher Taylor

Title: Mayor

Date: _____

By: _____

Name: Jacqueline Beaudry

Title: City Clerk

Date: _____

Approved as to substance:

By: _____

Name: Brian Steglitz

Title: Public Services Area
Administrator

Date: _____

(Signatures continue on the following page)

Approved as to form:

By: _____

Name: Atleen Kaur

Title: City Attorney

Date: _____

EXHIBIT A2
SCOPE OF SERVICES

**AMENDMENT 2 TO
PROFESSIONAL SERVICES AGREEMENT
SCOPE OF WORK FOR
CITY OF ANN ARBOR WATER RESOURCE RECOVERY FACILITY
ULTRAVIOLET (UV) DISINFECTION SYSTEM REPLACEMENT PROJECT
DESIGN AND BID PHASE SERVICES**

This Amendment No. 2 to the Professional Services Agreement, Dated October 13, 2022, is made between the City of Ann Arbor (“City”) and Black & Veatch Ltd. of Michigan (“Engineer”) to perform Engineering construction phase services. This Amendment No. 2 incorporates Scope of Work for construction phase services associated with the Water Resource Recovery Facility (WRRF) Ultraviolet (UV) Disinfection System Replacement Project (“Project”) described herein.

Whereas, during the course of contract performance it has become necessary for Engineer to perform additional work related to professional services for detailed design efforts which will increase the overall cost of the Purchase Order by \$493,969.00 to an amount not to exceed \$898,798.00.

SCOPE OF SERVICES

Detailed descriptions of the amended services that will be performed by the Engineer for the UV Disinfection System Replacement Project – Construction Phase Services are included below.

Construction phase services will be provided for sixteen (16) consecutive months beginning approximately January 2024. Services beyond sixteen (16) months can be provided as a supplemental service.

Construction Phase Services

Task 601 – Project Management and Administration - Construction Phase

Engineer will provide project management and coordination with City staff. Project administration and management services include budget and schedule control, coordination of activities, monthly invoicing for the duration of construction (up to 16 months), and project close-out. Monthly invoice reports will be accompanied with a Progress Report including tasks accomplished, future tasks, upcoming milestones, budgetary progress, and project risks. Engineer will maintain a change register of any scope changes affecting the project budget or schedule and review it with the City on a monthly basis. Engineer shall discuss and receive written approval for any scope changes from the City prior to proceeding.

Task 602 - Construction Administration

The Engineer will perform construction administration services during the construction phase of the project. By performing these services, the Engineer shall not be responsible for construction means, methods, techniques, sequences, procedures, or safety precautions and programs in connection with the Project, except as provided in the Scope of Services. In addition, Engineer shall not be responsible for the failure of any contractor, subcontractor, vendor, or other project participant to fulfill contractual

or other responsibilities to the City, except as provided in the Scope of Services. Engineer shall notify City of any failure of the Contractor to conform to the Construction Contract Documents and specifications which becomes known to Engineer in performing Engineer's obligations hereunder.

The following engineering services will be provided under this task:

- Interpret Construction Contract Documents as necessary.
- Review and comment on the Contractor's initial and updated construction schedule and advise the City as to acceptability, including analysis of activity sequence, and construction procedures as applicable to the City's ability to keep existing facilities in operation.
- Respond to Requests for Information (RFIs) submitted by the City or Contractor. Engineer will provide responses to RFIs from the Contractor within ten (10) business days of receipt. Responses to requests that involve input from the City may extend longer than ten business days. Up to 40 RFI reviews are included. Additional responses can be provided as a supplemental service.
- Assist the City in review of up to five (5) Change Order requests by the Contractor and prepare up to five (5) Change Orders, if required. Engineer will assist in preparing proposal requests to the Contractor for changes in Scope and will prepare and process Change Orders. Additional Change Order assistance can be provided as a supplemental service.
- Assist the City in review of up to sixteen (16) applications for payment from the Contractor, including review of certified payroll for conformance with the prevailing wage determination applicable to the project.
- Wage Rate Interviews are not included.
- Claim support is not included.

Task 603 - Preconstruction Conference and Construction Progress Meetings

Engineer will prepare an agenda and lead the 2-hour preconstruction conference. Engineer's project manager, engineering manager, and resident project representative (RPR) will attend in-person at City's facility. The preconstruction conference will include a discussion of the Contractor's tentative schedules, procedures for transmittal and review of the Contractor's submittals, processing payment applications, critical work sequencing, change orders, record documents, and the Contractor's responsibilities for safety and first aid. Engineer will also prepare summary notes for the Preconstruction Conference.

Engineer's project manager (or engineering manager) and RPR will attend up to sixteen (16) progress meetings, 1-hour each with the Contractor and City at the site. Contractor will preside at the meetings and will be responsible for preparing and distributing meeting agendas and summary notes. Engineer will assist in review of Contractor's summary notes.

Task 604 – Shop Drawing and Submittal Review

Engineer will review shop drawings and other data submitted by the Contractor as required by the Construction Contract Documents. The Engineer's review shall be for general conformity to the Construction Contract Documents for the project and shall not relieve the Contractor of any of their contractual responsibilities. Such reviews shall not extend to means, methods, techniques, sequences, or procedures of construction or to safety precautions and programs incident thereto. The Scope of

Services is based on review of up to 80 total submittals, including re-submittals. Any submittal reviews beyond one resubmittal will be the Contractor's cost as dictated by the Contract Documents. Additional submittal reviews can be provided as a supplemental service.

Engineer will also receive and review certificates of inspection, tests, reports, and approvals which are to be assembled by the Contractor in accordance with the Construction Contract Documents and transmit them to the City.

Review of "Substitutes" requests by the Contractor shall follow the requirements of the General Conditions in the Construction Contract Documents. The Engineer will perform such reviews as a supplemental service and will track the time and expenses separately for payment by the Construction Contractor in accordance with the General Conditions.

RESIDENT ENGINEERING AND ENGINEER SITE VISITS

Task 605 –Resident Project Representative Services and Site Visits

Engineer will furnish an RPR for a duration of six (6) months out of the overall expected construction duration of sixteen (16) months. The RPR will observe the Contractor's work and perform the services listed below. The RPR shall not have responsibility for the superintendence of construction site conditions, safety, safe practices or unsafe practices or conditions, operation, equipment, or personnel other than employees of the Engineer. This service will in no way relieve the Contractor of complete supervision and inspection of the work or the Contractor's obligation for complete compliance with the Construction Contract Documents. The Contractor shall have sole responsibility for safety and for maintaining safe practices and avoiding unsafe practices or conditions.

1. Site Observations and Liaison with City and Contractor
 - a. Conduct onsite observations of the general progress of the work to assist Engineer in determining if the work is proceeding in accordance with the construction contract documents. Onsite presence is expected to occur over a duration of 6 months, averaging 2-3 days/week.
 - b. Serve as Engineer's liaison with the Contractor, working principally through the Contractor's superintendent, and assist Engineer in providing interpretation of the construction contract documents. Transmit Engineer's clarifications and interpretations of the Construction Contract Documents to the Contractor.
 - c. Assist Engineer in serving as City's liaison with the Contractor when the Contractor's operations affect City's normal plant operation.
 - d. Report to Engineer, giving opinions and suggestions based on the Resident Project Representative's observations regarding defects or deficiencies in the Contractor's work and relating to compliance with drawings, specifications, and design concepts. These opinions and observations are exclusive of special inspections and structural observation to be conducted by others.
 - e. Advise Engineer and the Contractor or its superintendent immediately of the commencement of any work requiring a shop drawing or sample submission if the submission has not been accepted by Engineer.
 - f. Monitor changes of apparent integrity of the site, such as differing subsurface and physical conditions, existing structures, and site-related utilities when such utilities are exposed.

- g. Observe pertinent site conditions when the Contractor maintains that differing subsurface and physical conditions have been encountered, and document actual site conditions. Review and analysis of the Contractor's claims for differing subsurface and physical conditions are not included and can be provided as supplemental services.
- h. Review the Contractors' construction sequence for all construction work undertaken simultaneously.
- i. Verify that the Contractor has contacted the City and assist in coordinating scheduling work involving utility activities in the general construction area.
- j. Visually inspect materials, equipment, and supplies delivered to the worksite. Reject materials, equipment, and supplies that do not conform to the construction contract documents. These inspections are exclusive of special inspection activities performed by others.
- k. Verify that the Contractor coordinates onsite materials testing services during construction. Copies of testing results will be forwarded to City for review and information. The Engineer is not responsible for fees associated with materials testing. Materials testing contained as part of special inspections are the responsibility of the approved agency conducting such work and reporting is made in accordance with the program for special inspections.
- l. Observe field tests of equipment, structures, and piping, and review the resulting reports, commenting to Engineer, as appropriate.

2. Outside Liaison and Public Information Services

- a. Accompany visiting inspectors representing public or other agencies having jurisdiction over the project. Record the names of the inspectors, and the results of the inspections, and report to Engineer.

3. Meetings, Reports, and Document Review and Maintenance

- a. Attend the preconstruction conference and assist Engineer in explaining administrative procedures that will be followed during construction.
- b. Schedule and attend monthly progress meetings, and other meetings with City and the Contractor when necessary, to review and discuss construction procedures and progress scheduling, engineering management procedures, and other matters concerning the project.
- c. Submit to Engineer, with a copy to City, weekly construction progress reports containing a summary of the Contractor's progress, general condition of the work, problems, and resolutions or proposed resolutions to problems. Special inspections reports are submitted by others per schedule and procedures as outlined on the Contract Drawings for special inspections.
- d. Review the progress schedule, schedule of shop drawings submissions, and schedule of values prepared by the Contractor, and consult with Engineer concerning their acceptability.
- e. Report to Engineer regarding work which is known to be defective, or which fails any required inspections, tests, or approvals, or has been damaged prior to final payment; and advise Engineer whether the work should be corrected or rejected, or should be uncovered for observation, or requires additional testing, inspection, or approval. The responsibilities of any special inspector or agent to report deficiencies in accordance with the program of special inspections is not to be amended or altered and may be the basis for the knowledge.
- f. Review applications for payment with the Contractor for compliance with the established procedure for their submission, and forward them with recommendations to Engineer, noting particularly their relation to the schedule of values, work completed, and materials and equipment delivered at the site, but not incorporated into the work.
- g. Record date of receipt of hard copy shop drawings and samples. Receive samples that are furnished at the site by the Contractor, and notify Engineer of their availability for examination.

- h. During the course of the work, verify that specified certificates, operation and maintenance manuals, and other data required to be assembled and furnished by the Contractor are applicable to the items actually installed; and deliver this material to Engineer for their review and forwarding to City prior to final acceptance of the work. This is exclusive of any verifications contained as part of the program of special inspections.
 - i. Maintain a marked set of drawings and specifications at the jobsite based on data provided by the Contractor. This information will be combined with information from the record documents maintained by the Contractor, and a master set of documents conforming to construction records will be produced.
 - j. Review certificates of inspections, tests, and related approvals submitted by the Contractor as required by laws, rules, regulations, ordinances, codes, orders, or the Contract Documents (but only to verify that their content complies with the requirements of, and the results certified indicate compliance with, the construction contract documents). This service is limited to a review of items submitted by the Contractor and does not extend to a determination of whether the Contractor has complied with all legal requirements. This is exclusive of items contained in the program of special inspections reviewed or verified by others.
 - k. Collect, and organize operation and maintenance data provided by the Contractor and provide a table of contents. Provide digital draft copy to the City for review.
5. Maintain the following documents electronically.
- a. Correspondence files.
 - b. Reports of jobsite conferences, meetings, and discussions among the Engineer, City, and Contractor.
 - c. Submittals of shop drawings and samples.
 - d. Reproductions of original Construction Contract Documents.
 - e. Addenda.
 - f. Change orders.
 - g. Field orders.
 - h. Additional drawings issued subsequent to execution of the construction contract documents.
 - i. Progress reports.
 - j. Names, addresses, and telephone numbers of all contractors, subcontractors, and major suppliers of materials and equipment.
6. Maintain a daily diary or log book of events at the jobsite. The diary or log book shall remain the property of Engineer. It will include the following information:
- a. Days the Contractor worked on the jobsite.
 - b. Contractor and subcontractor personnel on jobsite.
 - c. Construction equipment on the jobsite.
 - d. Observed delays and causes.
 - e. Weather conditions.
 - f. Data relative to claims for extras.
 - g. Daily activities.
 - h. Observations pertaining to the progress of the work.
 - i. Materials received on jobsite.

7. Assistance in Certification of Substantial Completion and Final Inspection

- a. Before Engineer issues a Certificate of Substantial Completion, submit to the Contractor a list of items observed to require completion or correction.
- b. Assist Engineer in conducting final inspection in the company of City and the Contractor and prepare a final list of items to be completed or corrected.
- c. Verify that all items on the final list have been completed or corrected, and make recommendations to Engineer concerning acceptance.

Task 606 – Engineer Site Visits

Engineer will make periodic visits to the construction site as necessary and when requested by the City to observe construction and confer with the City or Contractor concerning problems and/or progress of the Work. The Scope is based on a total of nine (9) trips. Six (6) one-day site visits will be performed by the Engineer's project manager/engineering manager/construction manager and project engineer, as well as three (3) one-day site visits for the UV disinfection specialist or wastewater process engineer to review design-related questions and construction conflict or issue resolution. Additional trips and additional resident engineering services may be provided as a supplemental service.

Operational Acceptance

Task 607 – O&M Manual Update

Prior to the Startup and Commissioning, Engineer's Operations Specialist will prepare an Operations Narrative for the UV Disinfection System Replacement at the WRRF. The Contractor will provide the latest accepted submittal and the final accepted equipment O&M manuals and record documentation.

Engineer's Operations Specialist will prepare an Operations Narrative in the Engineer's format for the process equipment associated with the UV Disinfection System. The following topics will be included in the Operations Narrative for each system:

- System Description and Functional Intent: Operator-centric description and functional intent of the system or process with the objective of "connecting" the upstream & downstream processes specific to the system. This section will include a description of the "normal operating mode" as provided by the design memorandum and/or design instrumentation and controls descriptions. Provide a process flow diagram of the system process.
- Controls: Operator-centric descriptions of the local, remote, and auto control modes of the system as applicable.
- Key Performance Indicators: Operator-centric discussion of the key process variables influencing performance.
- Process Troubleshooting: Operator-centric description of the system or process with the objective of providing site specific process control troubleshooting information using flowcharts and/or tables. The Process Troubleshooting guide will not generally address equipment troubleshooting and assumes that equipment troubleshooting will be accessible by the operator through the equipment O&M manual.
- Maintenance Data. Major Components data, manufacturer contact information and maintenance information, including preventive maintenance requirements, from the manufacturer's O&M in tabular format. Manufacturer manuals will be listed in a table and the

titles will be links to electronic copies of the equipment manufacturer's manuals. Manufacturer O&M Manuals must be provided without security to have them linked.

- UV system specific isolation of hazardous energy procedures (Lockout/Tagout, etc.) in accordance with City standards.

One (1) draft of the narrative will be provided in PDF format for City review. The final version will contain the updated information from startup and will be provided in two (2) solid state (USB) drives each with the O&M in both word and PDF format to the City. Final hard copies to be provided by Contractor.

Task 608 – Asset Integration to CMMS

Engineer will populate City-provided forms (Microsoft Word, Excel, PDF) to update computerized maintenance management system (CMMS), Cityworks, with updated equipment asset information. Engineer will not be interfacing with the City's Cityworks CMMS. Asset information may include, but is not limited to the following:

- model number/serial number
- preventive maintenance frequency
- spare parts
- replacement costs
- expected life

Task 609 – Operations Training

The Engineer's Operation Specialist shall provide two (2) separate 2-hour operations training sessions on the UV disinfection system. Training sessions will be in-person with virtual option, and will be coordinated with the City to accommodate different shifts.

These training sessions shall be in addition to the training sessions provided separately by the individual equipment manufacturers' retained through the construction contract. The intent of this separate and distinct training is for the Engineer to provide City operations and maintenance staff with operation and maintenance information of the process as a functioning whole. The training materials provided for the training session shall also be considered separate and distinct from the system O&M manual provided as part of Task 607. The system O&M manual shall be coordinated based on the findings of the actual operation of the units and not the expected or theoretical basis of equipment operation. The final updated and corrected system O&M manual and training materials shall be submitted at the end of this task. Training sessions shall be scheduled on days of the week as approved by the City.

Task 610 – Startup and Commissioning

Engineer will assist the Contractor during startup and commissioning of the new facilities. Engineer's Operations Specialist, UV disinfection specialist, and/or engineer will perform the following prior to and while onsite:

- Review the Contractor's startup and commissioning plans.
- Review the manufacturer's training plan and witness the manufacturer's training.
- Assist with commissioning of the UV Disinfection System.

- Presence will be broken up between the within Engineer's operations specialist and UV disinfection specialist to cover two (2) separate onsite trips lasting up to 5 days each.

Task 611 – Final Inspection

Upon substantial completion, Engineer will conduct an inspection of the project site and prepare a punchlist of items to be completed or corrected by the Contractor before final completion of the project, as described in Task 605. Engineer will submit results of the inspection to the City and Contractor. Upon completion or correction of the items of work on the punch list, Engineer will conduct one final inspection to determine if the work is completed and provide written recommendations to the City concerning final payment including a list of items, if any, to be completed prior to the making of such payment. Inspections will be coordinated by the engineering manager to be conducted by the RPR, as described in Task 605, along with 4-hour visit by the Electrical and Instrumentation and Controls Engineer. A Final Completion Acceptance Certificate Form will be issued by the Engineer to the Contractor once it has been determined that Final Completion has been reached.

Task 612 – As-Constructed Documents

Upon final completion of the project, Engineer will revise the Construction Contract Drawings to conform to the construction records. Revisions/Redlines to the Construction Contract Drawings will be provided by the Contractor for editing/review by the Engineer. An electronic copy in AutoCAD and PDF formats of the conformed-to-construction drawings will be provided to the City.

SUPPLEMENTAL SERVICES

Any Work requested by City which is not included in the phases as described herein will be considered a Supplemental Service to this Engineering Services Agreement and may be added to the Scope upon mutual agreement to an increase in the contract amount. Supplemental services may include but are not limited to the following:

- Additional meetings, workshops, or presentations with the City other than those specified herein.
- Preparing and distributing progress meeting agendas or summary notes.
- Meeting with local, state, federal agencies, or utilities or other affected parties to discuss the project, other than those specifically mentioned.
- Appearances at public hearings or before special boards.
- Services from specialty subconsultants.
- Additional Construction Administration (ie., RFIs, Contractor change orders) beyond what has been included herein.
- Support for the application and administration of any funding sources selected by City staff.
- Additional submittal review.
- Additional site visits other than those specifically listed.
- Code-required special inspections and testing services.
- Claim support.
- Review of substitutions as indicated in the front end documents.

- Environment assessments or impact reports.
- Training services beyond what has been included herein.
- Additional onsite resident engineering services beyond what has been included herein.
- Monitoring the site or adjacent sites for air quality and/or noise.
- Confined-space evaluations or permits.
- Unforeseen geotechnical conditions requiring specialized engineering.
- Development of conceptual control system diagrams.
- Evaluation of any equipment not specified herein.

COMPENSATION

For professional services described in the Proposed Scope of Work for the Ann Arbor WRRF UV Disinfection System Replacement Project Amendment No. 2 for Construction Phase Services, the City agrees to pay Engineer in accordance with the project Fee Rate Table on a time and expenses basis based on the updated 2024 billing rates as attached. The compensation for the work shall not exceed \$493,969.00.

Invoices for the WRRF UV Disinfection System Replacement Project Amendment 2 Construction Phase Services will be submitted by the Engineer on or about the first of each month. The City agrees to process payment in accordance with the Agreement. For time and expenses work, Engineer shall be reimbursed for the actual cost of expenses incurred in connection with the Work as defined in the Agreement.

SCHEDULE

Engineering services described in the Scope of Services for Amendment 2 for the UV Disinfection System Replacement Project for Construction Phase Services will be completed by the Engineer within sixteen (16) months of the Contractor’s Notice to Proceed.

See table below for milestone schedule.

Construction Phase Activity	Date
Open Bids/Contract Award (part of Bid Phase Services)	October 2023
Construction Phase NTP	December 2023
Construction Start	April 2024
Substantial Completion	March 2024
Final Completion	April 2024

**EXHIBIT B2
COMPENSATION**

**City of Ann Arbor
WRRF UV Disinfection System Replacement - RFP 22-22
Amendment No. 2 - Construction Phase Services
Black & Veatch Team Level of Effort**

Task	Sr.		Project Manager	Engineering Manager	Sr. Process Specialist	QA-QC Engineer	Sr. Engineer	Project Engineer	Sr.		Sr CAD/ BIM Coordinator	Elec/I&C Tech/ Graphics	Designer/ Technician	Sr.		Project Controls	Finance/ Admin /Editor	Hours	Labor	Expenses and Subconsultant Markup	Total	
	Sr. Project Manager	Construction Manager							Architect/ QA-QC	Architect				Operations Specialist	Resident Project Representative							
Black & Veatch 2024 Billing Rate (\$)	300	300	225	200	315	260	185	150	225	160	160	135	110	180	210	160	120					
Task 601 – Project Management & Administration	16	12	96	0	0	0	0	0	0	0	0	0	0	0	0	48	116	288	\$ 51,600.00	\$ -	\$ 51,600.00	
Task 602 – Construction Administration	0	2	12	78	4	6	92	72	6	16	8	0	20	14	24	0	0	354	\$ 64,490.00	\$ -	\$ 64,490.00	
Task 603 – Precon & Progress Meetings	0	0	12	16	0	0	0	8	0	0	0	0	0	0	20	0	0	56	\$ 11,300.00	\$ -	\$ 11,300.00	
Task 604 – Shop Drawing & Submittal Review	0	0	0	12	0	6	152	48	10	72	0	0	0	0	0	0	0	300	\$ 53,050.00	\$ -	\$ 53,050.00	
Task 605 – RPR Services & Site Visits	0	8	0	0	0	0	0	0	0	0	0	0	0	0	560	40	0	608	\$ 126,400.00	\$ 8,500.00	\$ 134,900.00	
Task 606 – Engineer Site Visits	0	0	24	24	16	0	8	16	0	0	0	0	0	0	0	0	0	88	\$ 19,120.00	\$ 1,850.00	\$ 20,970.00	
Task 607 – O&M Manual Update	0	0	0	4	12	2	0	8	0	0	0	15	0	40	8	0	15	104	\$ 19,005.00	\$ -	\$ 19,005.00	
Task 608 – Asset Integration to CMMS	0	0	0	4	0	0	0	48	0	0	0	0	0	0	8	0	0	60	\$ 9,680.00	\$ -	\$ 9,680.00	
Task 609 – Operations Training	0	0	0	4	4	0	0	4	0	0	0	0	0	64	40	0	10	126	\$ 23,780.00	\$ 2,890.00	\$ 26,670.00	
Task 610 – Start-up & Commissioning	0	0	0	8	4	0	0	0	0	0	0	0	0	80	40	0	0	132	\$ 25,660.00	\$ 4,800.00	\$ 30,460.00	
Task 611 – Final Inspection	0	0	0	8	0	8	0	0	0	0	0	0	0	0	8	0	0	24	\$ 5,360.00	\$ -	\$ 5,360.00	
Task 612 – As-Constructed Documents	0	0	0	8	0	1	6	12	1	4	20	10	74	0	8	0	0	144	\$ 20,005.00	\$ 100.00	\$ 20,105.00	
Labor Subtotal	16	22	144	166	40	23	258	216	17	92	28	25	94	198	716	88	141	2284	\$ 429,450.00	\$ 18,140.00	\$ 447,590.00	
Subtotal (Black & Veatch)																						
Moore + Bruggink (incl. JDH)																			\$ 42,170.00	\$ 2,109.00	\$ 44,279.00	
Moore + Bruggink (incl. JDH) Expenses																			\$ 2,000.00	\$ 100.00	\$ 2,100.00	
TOTAL																		282	4568	\$ 473,620.00	\$ 20,349.00	\$ 493,969.00