

CCNA2018 AMENDMENT 1 TO WORK ORDER 4

Landfill Gas to Energy Project

This Amendment 1 To Work Order Number 4 is entered into as of this _____ day of _____ May, 2020, pursuant to that certain Continuing Consulting Engineering Services Agreement for Professional Services entered into as of this 17th day of April, 2018 (collectively referred to as the "Agreement"), by and between INDIAN RIVER COUNTY, a political subdivision of the State of Florida ("COUNTY") and Tetra Tech, Inc. ("Consultant").

1. The COUNTY has selected the Consultant to perform the professional services set forth in existing Work Order Number 4 , Effective Date May 7, 2019.
2. The COUNTY and the Consultant desire to amend this Work Order as set forth on Exhibit A (Scope of Work) attached to this Amendment and made part hereof by this reference. The professional services will be performed by the Consultant for the fee schedule set forth in Exhibit B (Fee Schedule), and within the timeframe more particularly set forth in Exhibit C (Time Schedule), all in accordance with the terms and provisions set forth in the Agreement.
3. From and after the Effective Date of this Amendment, the above-referenced Work Order is amended as set forth in this Amendment. Pursuant to paragraph 1.4 of the Agreement, nothing contained in any Work Order shall conflict with the terms of the Agreement and the terms of the Agreement shall be deemed to be incorporated in each individual Work Order as if fully set forth herein.

IN WITNESS WHEREOF, the parties hereto have executed this Work Order as of the date first written above.

CONSULTANT:

**BOARD OF COUNTY COMMISSIONERS
OF INDIAN RIVER COUNTY**

By: _____

By: _____

Susan Adams, Chairman

Print Name: Matthew Shelton

Title: Project Manager

BCC Approved Date: _____

Attest: Jeffrey R. Smith, Clerk of Court and Comptroller

By: _____

Deputy Clerk

Approved: _____

Jason E. Brown, County Administrator

Approved as to form and legal sufficiency: _____

Dylan T. Reingold, County Attorney



EXHIBIT A

May 8, 2020

Mr. Himanshu Mehta
Indian River County
Solid Waste Managing Director
1325 74th Avenue SW
Vero Beach, FL 32968

RE: ENGINEERING SUPPORT-LFGE

Dear Himanshu:

Based on our recent discussions, please accept Tetra Tech's proposal for independent engineering utility services related to the Indian River County (IRC) landfill gas to energy project. This proposal consists of additional technical assistance in support of IRC's continued pursuit of landfill gas (LFG) as energy source and allows Tetra Tech to assist IRC during the remainder of calendar year 2020. IRC can continue to rely on the expertise of Tetra Tech's solid waste staff, Dave Knapp and Mike Michels, for this support as needed.

Scope of Work: Technical Support; Energy Credits

Tetra Tech will participate in general conference calls and other remote service requirements such as data review, contract review, and other pertinent issues related to defining the LFG to energy project with IRC offering advice to IRC related to available credits as well as options for capitalizing on those credits. In addition, this scope includes costs to allow for one trip for up to two senior staff. This scope does not anticipate Tetra Tech will prepare any paperwork/application for credits. If IRC wishes to pursue any credits, Tetra Tech will help prepare the necessary documentation, if adequate funds are available or under a separate change order

Schedule

Tetra Tech is aware that the contract between IRC and the end-user is subject to change or modification and therefore will rely on IRC to define the need and schedule.

Other engineering support, if requested after contract award, will be addressed under a separate agreement between IRC and TetraTech.

Cost Estimate

The not-to-exceed cost estimate for this proposal covering the projected needs of the IRC, as described above, for the next several months is defined as 2020 LFGE Technical Support is \$28,364.

Terms and Conditions

This work will be governed in accordance with the terms and conditions previously approved by the IRC under the continuing engineering services agreement, RFQ2018008 dated April 17, 2018, utility major. Any modifications to the attached language must be accepted by both parties.

Tetra Tech, Inc.

11 Riverside Drive, Suite 204, Cocoa, FL 32922

Tel 321.636.6470 Fax 321.636.6473 www.tetrattech.com

Mr. Himanshu Mehta

May 8, 2020

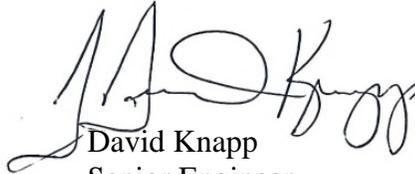
Page 2

If you have any questions or need additional information, please contact David Knapp by phone or email at (770) 331-4086 or david.knapp@cornerstoneeg.com or Matt Shelton at (321) 961-5627 or matt.shelton@tetrattech.com.

Sincerely,



Matthew Shelton
Project Manager



David Knapp
Senior Engineer

cc: Brian Watson, P.E.
Mike Michels, P.E.

Attachment:

Cost

Spreadsheet

Exhibit B

Personnel Classification	Hourly Rate	Task 3. Continued LFGE support		Task 4. Onsite Meeting		Subtotal Hours	Total
		Hours	Cost	Hours	Cost		
Project Manager	\$163.89	8	\$1,311.12	2	\$327.78	10	\$1,638.90
Principal Engineer	\$216.00	0	\$0.00		\$0.00	0	\$0.00
Senior Engineer	\$196.02	32	\$6,272.64	16	\$3,136.32	48	\$9,408.96
Principal Engineer	\$297.00	32	\$9,504.00	16	\$4,752.00	48	\$14,256.00
Scientist V	\$117.00		\$0.00	0	\$0.00	0	\$0.00
Project Administrator	\$84.00	6	\$504.00	0	\$0.00	6	\$504.00
Contract Administrator	\$108.00	2	\$216.00	0	\$0.00	2	\$216.00
Labor Total		80	\$17,807.76	34	\$8,216.10	114	\$26,023.86
Travel and ODCs	Unit Cost	Units	Cost	Units	Cost	Subtotal Units	
Air Travel					\$1,200.00	0	\$1,200.00
Rental Car and rental gas					\$400.00	0	\$400.00
Vehicle/Lodging/Per Diem					\$400.00	0	\$400.00
Per Diem - Meals					\$240.00	0	\$240.00
Parking					\$100.00	0	\$100.00
Travel and ODCs Total			\$0.00		\$2,340.00		\$2,340.00
Subcontractor (cost +10%)	Unit Cost	Units	Cost	Units	Cost	Subtotal Units	
GEM 500	\$400.00	0			\$0.00	0	\$0.00
elec/mech	\$3,500.00	0			\$0.00		\$0.00
CI Gas	\$150.00	0			\$0.00	0	\$0.00
Subcontractor Total			\$0.00		\$0.00		\$0.00
PROJECT TOTAL			\$17,807.76		\$10,556.10		\$28,363.86

Exhibit B
Tetra Tech, Inc.
Indian River County
Professional Services Hourly Rate Fee Schedule
Effective October 1, 2017, through September 30, 2020⁽¹⁾

Position/Titles	Raw Labor Rates		Direct Labor Rate Multiplier	Raw Labor Rates x Multiplier	
	Minimum	Maximum		Minimum	Maximum
Project Management					
Sr Project Manager	\$ 52.00	\$ 80.00	3.0	\$ 156.00	\$ 240.00
Project Manager	\$ 41.00	\$ 68.00	3.0	\$ 123.00	\$ 204.00
Engineers					
Principal Engineer	\$ 70.00	\$ 99.00	3.0	\$ 210.00	\$ 297.00
Sr. Engineer	\$ 50.00	\$ 79.00	3.0	\$ 150.00	\$ 237.00
Engineer V	\$ 39.00	\$ 61.00	3.0	\$ 117.00	\$ 183.00
Engineer IV	\$ 32.00	\$ 49.00	3.0	\$ 96.00	\$ 147.00
Engineer III	\$ 26.00	\$ 40.00	3.0	\$ 78.00	\$ 120.00
Engineer II	\$ 24.00	\$ 34.00	3.0	\$ 72.00	\$ 102.00
Engineer I	\$ 22.00	\$ 29.00	3.0	\$ 66.00	\$ 87.00
Engineering Technician	\$ 12.00	\$ 22.00	3.0	\$ 36.00	\$ 66.00
Scientists					
Scientist VI	\$ 45.00	\$ 71.00	3.0	\$ 135.00	\$ 213.00
Scientist V	\$ 31.00	\$ 57.00	3.0	\$ 93.00	\$ 171.00
Scientist IV	\$ 27.00	\$ 38.00	3.0	\$ 81.00	\$ 114.00
Scientist III	\$ 24.00	\$ 30.00	3.0	\$ 72.00	\$ 90.00
Scientist II	\$ 20.00	\$ 26.00	3.0	\$ 60.00	\$ 78.00
Scientist I	\$ 19.00	\$ 23.00	3.0	\$ 57.00	\$ 69.00
Design Professionals					
Sr CAD/Eng Designer II	\$ 39.00	\$ 52.00	3.0	\$ 117.00	\$ 156.00
Sr CAD/Eng Designer I	\$ 26.00	\$ 40.00	3.0	\$ 78.00	\$ 120.00
CAD/Engineering Designer III	\$ 24.00	\$ 33.00	3.0	\$ 72.00	\$ 99.00
CAD/Engineering Designer II	\$ 18.00	\$ 24.00	3.0	\$ 54.00	\$ 72.00
CAD/Engineering Designer I	\$ 16.00	\$ 21.00	3.0	\$ 48.00	\$ 63.00
Surveyors					
Sr Land Surveyor	\$ 41.00	\$ 50.00	3.0	\$ 123.00	\$ 150.00
Land Surveyor	\$ 28.00	\$ 40.00	3.0	\$ 84.00	\$ 120.00
Survey Crew Chief	\$ 24.00	\$ 38.00	3.0	\$ 72.00	\$ 114.00
Survey Tech	\$ 17.00	\$ 30.00	3.0	\$ 51.00	\$ 90.00
Architects					
Architectural Program Mgr	\$ 65.00	\$ 85.00	3.0	\$ 195.00	\$ 255.00
Sr Architect	\$ 55.00	\$ 75.00	3.0	\$ 165.00	\$ 225.00
Architect	\$ 35.00	\$ 55.00	3.0	\$ 105.00	\$ 165.00
Architectural Designer	\$ 17.00	\$ 35.00	3.0	\$ 51.00	\$ 105.00
Construction Professionals					
Construction Project Rep	\$ 22.00	\$ 42.00	3.0	\$ 66.00	\$ 126.00
Construction Manager II	\$ 50.00	\$ 70.00	3.0	\$ 150.00	\$ 210.00
Construction Manager I	\$ 38.00	\$ 54.00	3.0	\$ 114.00	\$ 162.00
Construction Administrator	\$ 23.00	\$ 39.00	3.0	\$ 69.00	\$ 117.00
GIS Analysts					
Sr Analyst	\$ 30.00	\$ 65.00	3.0	\$ 90.00	\$ 195.00
Project Analyst II	\$ 24.00	\$ 40.00	3.0	\$ 72.00	\$ 120.00
Project Analyst I	\$ 10.00	\$ 28.00	3.0	\$ 30.00	\$ 84.00
Project Administration					
Sr Project Administrator	\$ 27.00	\$ 35.00	3.0	\$ 81.00	\$ 105.00
Project Administrator	\$ 15.00	\$ 32.00	3.0	\$ 45.00	\$ 96.00
Project Assistant	\$ 12.00	\$ 22.00	3.0	\$ 36.00	\$ 66.00
Contract Administrator	\$ 25.00	\$ 36.00	3.0	\$ 75.00	\$ 108.00
Subconsultant					
	Cost + 10%				
Reimbursable Expenses					
Engineer's Reimbursable Travel/Mileage	At Cost				
Other Direct Costs	At Cost				

⁽¹⁾These hourly billing rates will remain effective for the initial duration of this Agreement, and may be renegotiated should an additional renewal period be exercised.

Exhibit C

Landfill Gas System Inspection and Independent Landfill Gas Energy Engineering Support

PROJECT SCHEDULE

Tetra Tech is aware that the contract between IRC and the end-user is subject to change or modification and therefore will rely on IRC to define the need and schedule.