

**TASK ORDER (TO) AMENDMENT TO CSC AGREEMENT
(PROFESSIONAL CCNA SERVICES)**

Clerk Tracking No. 2017-00014

THIS TASK ORDER AMENDMENT (the "Amendment") to the Continuing Services Contract (CSC) for Professional CCNA Services is made and entered into effective the **15th day of February 2017**, by and between the **CITY OF NAPLES**, a Florida Municipal Corporation (the "CITY"), and **TETRA TECH, INCORPORATED**, a Delaware Corporation authorized to do business in Florida (the CONSULTANT").

WHEREAS, the City and the Consultant entered into that certain Agreement to furnish CCNA Services, on **May 19, 2015** (the "Original Agreement") (Reference Original **RFQ 14-054** and Original **Clerk Tracking No. 15-00090**. **This Amendment** is for services associated with **Waste Water Treatment Plant (WWTP) upgrade to Programmable Logic Controllers (PLCs) Task Order No. 17-02-30-42-17M01**: (the 'Project'); and

WHEREAS, the parties desire to amend the Original Agreement by this Amendment so that the CONSULTANT will provide said services pursuant to the terms and conditions contained in the Original Agreement and Amendment herein.

WHEREAS, the parties are required by **119.0701 F.S.** to amend the Original Agreement so that the CITY and CONSULTANT will abide by the terms and conditions contained herein.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, and in consideration of the mutual covenants, promises and conditions herein set forth, it is hereby acknowledged and agreed as follows:

1. The above recitals are true and correct and are incorporated herein by this Reference.
2. "Article Three, Time" is amended to state that this Project Amendment will be **performed and completed by December 31, 2017** with a 60-day Project Close-out time frame. Project: Waste Water Treatment Plant (WWTP) upgrade to Programmable Logic Controllers (PLCs).
3. "Article Four, Compensation" is amended to reflect an increase to the CONSULTANT for this Amendment in the amount of **\$86,124.00** for the Project as indicated in **Attachment A-1 Scope of Services and Basis of Compensation**, attached and made a part of this Amendment.
4. "**Article Five, Maintenance of Records**" shall be amended to **add Articles 5.2 and 5.3** as indicated below and made a part of this Amendment.

5.2 119.0701 F.S. CONTACT INFORMATION FOR CITY OF NAPLES CUSTODIAN OF PUBLIC RECORDS, CITY CLERK'S OFFICE.

If the CONSULTANT has questions regarding the application of Chapter 119, Florida Statutes, to the consultant's duty to provide

public records relating to this contract, contact the City Clerk, City of Naples Custodian of Public Records, at Telephone: 239-213-1015, Email: PublicRecordsRequests@naplesgov.com; Address: 735 8th Street South; Naples, Florida 34102. Mailing address: same as street address.

5.3 The CONSULTANT shall:

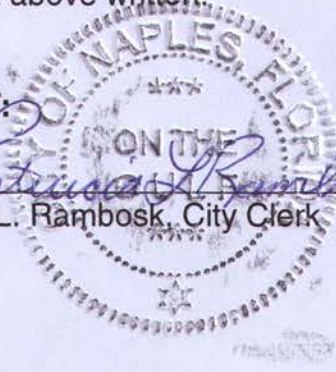
1. Keep and maintain public records required by the CITY to perform the service.
2. Upon request from the CITY'S custodian of public records, provide the CITY with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in this chapter 119.0701 F.S. or as otherwise provided by law.
3. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the CONSULTANT does not transfer the records to the CITY.
4. Upon completion of the contract, transfer, at no cost, to the CITY all public records in possession of the CONSULTANT or keep and maintain public records required by the CITY to perform the service. If the CONSULTANT transfers all public records to the CITY upon completion of the contract, the CONSULTANT shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the CONSULTANT keeps and maintains public records upon completion of the contract, the CONSULTANT shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the CITY, upon request from the CITY'S custodian of public records, in a format that is compatible with the information technology systems of the CITY.
5. The terms of this Amendment shall control and take precedence over any and all terms, provisions and conditions of Original Agreement which might vary, contradict or otherwise be inconsistent with the terms and conditions hereof. All of the other terms, provisions and conditions of Original Agreement, except as expressly amended and modified by this Amendment, shall remain unchanged and are hereby ratified and confirmed and shall remain in full force and effect.
6. All other terms, provisions and conditions of the Original Agreement, except as expressly amended and modified by this Amendment, shall remain in full force and effect.
7. This Amendment may be executed in any number of counterparts, each of

which shall be deemed to be an original as against any part whose signature appears thereon and all of which shall together constitute one and the same instrument.

IN WITNESS WHEREOF, the CITY and the CONSULTANT have caused this Amendment to be duly executed by their duly authorized officers, all as of the day and year first above written.

ATTEST:

By: Patricia L. Rambosk
Patricia L. Rambosk, City Clerk



CITY:

CITY OF NAPLES, FLORIDA

By: A. William Moss
A. William Moss, City Manager

Approved as to form and legal sufficiency:

By: Robert D. Pritt
Robert D. Pritt, City Attorney

CONSULTANT:

Tetra Tech, Incorporated

10600 Chevrolet Way, Suite 300
Estero, Florida 33928

Att: **Daniel M. Nelson**, Vice President

By: Michael S. Jones
(Signature)

Witness (Signature)

Printed Name: Stephen Cozen

Printed Name: Michael S. Jones

Title: Senior Project Manager

FEI/EIN Number: On File
A Delaware Corporation (DE)



January 23, 2017

Transmitted Electronically

Mr. Barry Stein, Wastewater Plant Supervisor
City of Naples
380 Riverside Circle
Naples, FL 34102

**Re: Naples WWTP PLC-5 Replacement Programming
Proposal for Professional Services**

Dear Mr. Stein:

Thank you for the opportunity to submit our professional services proposal to assist the City of Naples with upgrading the Wastewater Treatment Plant (WWTP) programmable logic controllers (PLCs).

This proposal consists of programming services and onsite startup assistance to upgrade the SCADA network hardware, upgrade the PLC-5 in the old generator Building (GEN PLC) and upgrade the PLC in the new Generator control panel (MASTER PLC) and all associated input/output (I/O) racks.

TASK DESCRIPTION

Tasks included in this proposal are as follows:

- Tetra Tech to provide software conversion of the existing PLC programs to the new ControlLogix L71.
- Tetra Tech will update the existing Trihedral HMI software to allow communication to the new ControlLogix controller.
- Tetra Tech will provide onsite knowledgebase assistance to the City during the PLC panel modification and installation of the new PLC and I/O racks.
- Tetra Tech will perform onsite software startup, network switch programming, on/off site assistance and owner training.

SCOPE OF WORK

- Convert RSLogix 5 programming to RSLogix 5000. Includes conversion of all messages and indexed addressing that is not directly converted from RSLogix 5 to RSLogix 5000 conversion.
 - Convert the GEN PLC program from PLC-5 to ControlLogix.
 - Convert the MASTER PLC program from PLC-5 to ControlLogix.
 - Convert the indexed addressing within the PLC-5 programs to logic that is compatible with the new Logix 5000 controllers.

Tetra Tech

10600 Chevrolet Way, Suite 300, Estero, FL 33928
Tel: 239.390.7467 www.tetrattech.com



- Fix PLC messaging to be compatible with new controllers.
- Lead the onsite startup and coordination with the plant operations staff:
 - Onsite startup to include knowledgebase assistance during the entire startup duration.
 - Onsite startup of the new network equipment will occur over an estimated 3-day duration.
 - Onsite startup of the GEN PLC will occur over an estimated 1-week duration (5 working days).
 - Onsite startup of the MASTER PLC will occur over an estimated 1-week duration (5 working days).
- Tetra Tech to coordinate the switch over of the software from old PLC to new ControlLogix on an I/O rack by I/O rack basis to help reduce unnecessary down-time.
- Update the Trihedral HMI application to communicate with the updated controller.
- Update the current communications screen to work with the new communication driver.
- Update available control panel as-built drawings and deliver in Electronic PDF and AutoCAD formats.
- Deliver to Owner revised PLC programs in both PDF printout and electronic .ACD file formats.

ASSUMPTIONS

Tetra Tech assumes the following:

- City to procure all required PLC and network hardware to complete the upgrade.
- Some downtime should be expected during the onsite installation and upgrade of each I/O rack. Tetra Tech intends to work closely with City Maintenance team during the onsite installation to convert each I/O rack and will program the Trihedral HMI to allow communication and control of both the existing and new PLC's to minimize plant disruption.

SCHEDULE

We are prepared to begin work within three weeks of your notice to proceed.

COMPENSATION

Compensation for the professional services for this project will be based on time and materials at a not to exceed fee of \$86,124.00.

The City will be invoiced monthly based on services performed. With this compensation method you pay only for the hours actually used. The proposed budget is for programming, onsite startup and owner training engineering & programming services.

Services will be provided using the terms & conditions of the FY- 2015 City of Naples Continuing Services Agreement contract 15-00090 signed May 19, 2015.

**TETRA TECH**

We appreciate this opportunity to be of service to the City of Naples and look forward to working with you on this important project.

Sincerely,

Mick S. Jones, P.E.
Senior Project Manager

Encl.: Standard Terms and Conditions

Copy: Accounting (w/encl.)

PROPOSAL ACCEPTED BY _____

TITLE _____ **DATE** _____

Naples WWTP PLC-5 Replacement Programming

Price Proposal										Revision Date: Jan 23, 2017					Labor Plan					Price Summary / Totals				
Naples WWTP PLC5 Upgrade Programming and CA										5 Resource					Task Pricing Totals					86,119				
										Bill Rate					Specify Add'l Fees on Setup					0				
										Principle					Technology Use Fee					5				
PLC-5 Upgrade to ControlLogix (Conversion)										ProJ Area					Contingency Fee					86,124				
Submitted to: City of Naples Florida (Attn: Barry Stein)																								
Contract Type: T&M															Pricing by Resource									
Project Phases / Tasks										Schedule					Task Pricing Totals									
										From Thru Months Work Days Off Work Days					Labor Rate Est. Labor Subs Travel Mat'ls & Equip ODCs					86,119				
PLC-5 Replacement - (GEN PLC)										Total Labor Hrs														
TASK1 - TIME										298 1 34 197 50 16					47,407					47,407				
PM										21 1 20 - - -					3,646					3,646				
TASK2 - PLC Upgrades										60 - - 58 2 -					9,450					9,450				
Run Rockwell Converter										2 7 - - -					1,099					1,099				
Fix Interred Addressing										26 - - 24 2 -					4,112					4,112				
Add in Tetra Tech Standard AOI's										4 - - 4 - -					628					628				
Program PLC Time Clock Functions										8 - - 8 - -					1,256					1,256				
Verify PLC Messaging from Other Plant PLC										7 - - 7 - -					1,099					1,099				
Load/Verify PLC Program into ControlLogix Test PLC										8 - - 8 - -					1,256					1,256				
TASK3 - HMI Upgrades										60 - - 60 - -					9,420					9,420				
Convert tags										20 - - 20 - -					3,140					3,140				
Add PLC Clock function to Interface										8 - - 8 - -					1,256					1,256				
Modify Existing Comm Screen										8 - - 8 - -					1,256					1,256				
Modify Existing Comm Driver										14 - - 14 - -					2,512					2,512				
Document Network Settings										8 - - 8 - -					1,256					1,256				
TASK4 - Startup										135 - - 12 75 48 -					22,095					22,095				
Network Equipment Startup										89 - - 12 27 - -					6,303					6,303				
Generator PLC Startup										46 - - 48 48 - -					15,792					15,792				
TASK5 - Project Closeout										22 - - 2 4 - - 16					2,796					2,796				
As-built										22 - - 2 4 - - 16					2,796					2,796				
Project Travel Costs										-					-					-				
PLC-5 Replacement - (MASTER PLC)										243 1 30 146 50 16					38,712					38,712				
TASK1 - TIME										21 1 20 - - -					3,646					3,646				
PM										21 1 20 - - -					3,646					3,646				
TASK2 - PLC Upgrades										56 - - 54 2 -					8,822					8,822				
Run Rockwell Converter										8 - - 8 - -					1,256					1,256				
Fix Interred Addressing										26 - - 24 2 -					4,112					4,112				
Add in Tetra Tech Standard AOI's										2 - - 2 - -					314					314				
Program PLC Time Clock Functions										4 - - 4 - -					628					628				
Verify PLC Messaging from Other Plant PLCs										8 - - 8 - -					1,256					1,256				
Load/Verify PLC Program into ControlLogix Test PLC										8 - - 8 - -					1,256					1,256				
TASK3 - HMI Upgrades										40 - - 40 - -					6,280					6,280				
Convert tags										20 - - 20 - -					3,140					3,140				
Add PLC Clock function to Interface										8 - - 8 - -					1,256					1,256				
Modify Existing Comm Screen										8 - - 8 - -					1,256					1,256				
Modify Existing Comm Driver										4 - - 4 - -					628					628				
TASK4 - Startup										104 - - 8 48 48 -					17,168					17,168				
Master PLC and Remote I/O Onsite Startup										104 - - 8 48 48 -					17,168					17,168				
TASK5 - Project Closeout										22 - - 2 4 - - 16					2,796					2,796				
As-built										22 - - 2 4 - - 16					2,796					2,796				

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