

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS
AGENDA ITEM SUMMARY

Meeting Date: February 6, 2018
Consent Regular
Public Hearing

Department: Water Utilities Department

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: Consultant Services Authorization (CSA) No. 2 for the Potable Water Hydraulic Model Update (Project) with Chen Moore and Associates, Inc., in the amount not to exceed \$124,553.44.

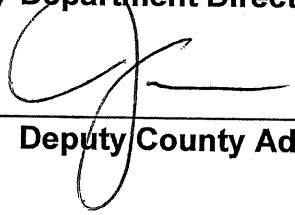
Summary: On June 20, 2017 the Board of County Commissioners (BCC) approved the Water Utilities Department (WUD) Engineering/Professional Services Contract (Contract) with Chen Moore and Associates, Inc., (R2017-0816). CSA No. 2 provides engineering services to modify and update the existing potable water hydraulic model created in 2012. The Small Business Enterprise (SBE) participation goal established by the SBE Ordinance is 15% overall. The Contract with Chen Moore and Associates, Inc., provides for SBE participation of 100%. CSA No. 2 includes 100% overall participation. The cumulative SBE participation, including CSA No. 2, is 95.04% overall. Chen Moore and Associates, Inc., is a Palm Beach County company. The Project is included in the FY18 Capital Improvement Plan for WUD and adopted by the BCC. (WUD Project No. 18-004) Countywide (MJ).

Background and Justification: WUD's most recent potable water hydraulic model was completed in 2012 as part of the Water Master Plan. Since 2012, changes have occurred in population projections, water consumption and the physical components as well as operation of the water distribution system. Therefore, an update to the hydraulic model is necessary to evaluate the existing and future conditions of the water distribution system. The updated hydraulic water model will be used for evaluating the water system and to determine its adequacy for fire flow, future demands and water age.

Attachments:

1. Location Map
2. Four (4) Original CSA No. 2
3. ITS Summary of Certificates

Recommended By:  1-8-18
 Department Director Date

Approved By:  1-16-18
 Deputy County Administrator Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2018	2019	2020	2021	2022
Capital Expenditures	<u>\$124,554</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Operating Costs	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
External Revenues	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Program Income (County)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
In-Kind Match County	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
NET FISCAL IMPACT	<u>\$124,554</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
# ADDITIONAL FTE POSITIONS (Cumulative)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

Budget Account No.: Fund 4001 Dept. 720 Unit 2323 Objet 3120

Is Item Included in Current Budget? Yes X No

Does this item include the use of federal funds? Yes No X

Reporting Category N/A

B. Recommended Sources of Funds/Summary of Fiscal Impact:

One (1) time capital expenditure from user fees with balances brought forward.

C. Department Fiscal Review: _____

III. REVIEW COMMENTS

A. OFMB Fiscal and/or Contract Development and Control Comments:

Joseph Webb 11/9/18
OFMB

John J. Jacobson
Contract Development and Control
1/11/18

B. Legal Sufficiency:

[Signature] 1/16/18
Assistant County Attorney

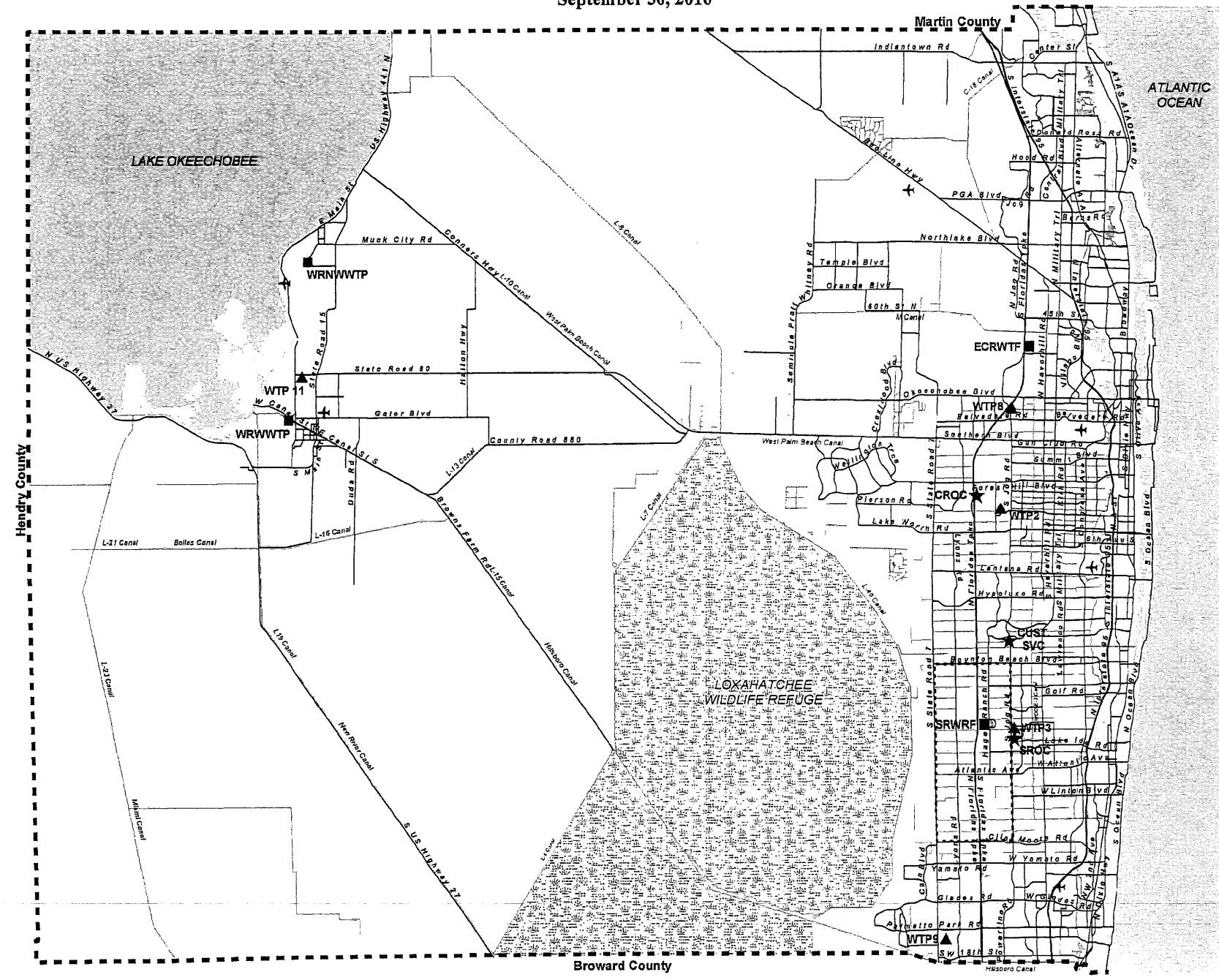
C. Other Department Review:

Purchasing Department Director

This summary is not to be used as a basis for payment.

PALM BEACH COUNTY, FLORIDA
WATER UTILITIES DEPARTMENT
SERVICE AREA (SA) AND MAJOR FACILITIES
 September 30, 2016

ATTACHMENT 1



- Legend**
- Wastewater Treatment Plant
 - Water Reclamation Plant
 - ▲ Water Treatment Plant
 - ★ Administration
 - ⊙ Wetlands
 - Palm Beach County Limits
 - Mandatory Reclaimed SA
 - P.B.C.W.U.D. Service Area



NOT TO SCALE

Project No. WUD: 18-004 **Consultant Services Authorization No.** 2

Project Title: Potable Water Hydraulic Model Update _____

8. SBE participation is included in Attachment D under this Authorization. The attached Schedule 1 defines the SBE applied to this Authorization and Schedule 2 establishes the SBE contribution from each subconsultant (Letter of Intent to perform as an SBE).
9. EXCEPT AS HEREBY AMENDED, CHANGED OR MODIFIED, all other terms, conditions and obligations of the Contract dated June 20, 2017 remain in full force and effect.

Project No. WUD: 18-004 Consultant Services Authorization No. 2

Project Title: Potable Water Hydraulic Model Update

IN WITNESS WHEREOF, this Authorization is accepted, subject to the terms, conditions and obligations of the aforementioned Contract.

PALM BEACH COUNTY, A POLITICAL SUBDIVISION OF THE STATE OF FLORIDA

Sharon R. Bock, Clerk & Comptroller,
Palm Beach County

Palm Beach County,
Board of County Commissioners

ATTEST:

Signed: _____

Signed: _____
Melissa McKinlay, Mayor JCS

Typed Name: _____
Deputy Clerk

_____ Date

Approved as to Form and Legal
Sufficiency

Signed: _____

Typed Name: _____
County Attorney

CONSULTANT: Chen Moore and Associates, Inc

(Signature)

Peter Moore, P.E. / President
(Name and Title)

November 30, 2017
Date

LIST OF ATTACHMENTS

Project No. WUD: 18-004 Consultant Services Authorization No. 2

Project Title: Potable Water Hydraulic Model Update

ATTACHMENT - A	Scope of Work
ATTACHMENT - B	Budget Summary
ATTACHMENT - C	Project Schedule
ATTACHMENT - D	SBE Schedule 1, 2, 3a and 4
ATTACHMENT - E	Authorization Status Report - Summary and Status of Authorizations
ATTACHMENT - F	Authorization Status Report – Summary of SBE Tracking

ATTACHMENT A

CONSULTANT SERVICES AUTHORIZATION NO. 2

PALM BEACH COUNTY WATER UTILITIES DEPARTMENT ENGINEERING/PROFESSIONAL SERVICES

SCOPE OF WORK

INTRODUCTION

Palm Beach County (COUNTY) entered into an agreement entitled Contract for Engineering/ Professional Services - Palm Beach County Utilities Department Project No. WUD 17-005 (CONTRACT) with: Chen Moore and Associates, Inc. (CONSULTANT) to provide engineering services for various general activities on R2017 - 0816. This Consultant Service Authorization will be performed under that CONTRACT.

This Consultant Services Authorization encompasses providing services related to updates to the Potable Water Hydraulic Model.

BACKGROUND

The COUNTY has four (4) eastern water treatment plants (WTPs) and associated potable water transmission and distribution systems. The COUNTY has developed an existing potable water hydraulic model which has been used to complete the Water Master Plan Update in 2012. The COUNTY has requested the CONSULTANT update their existing potable water hydraulic model which includes revision and update of the current physical and operating conditions, system calibration, and evaluation of existing and future demands. Physical conditions to be updated as part of the scope include piping layout, system controls and water demand projections. The updated model will be used to determine the adequacy of the system in relation to fire flow, meeting future demand and water age.

SCOPE OF SERVICES

CONSULTANT shall perform the engineering Scope of Services as described herein.

POTABLE WATER HYDRAULIC MODEL UPDATE

Consultant shall perform the following services to update the COUNTY Potable Water Hydraulic Model.

ASSUMPTIONS

The engineering services described herein have been based on the following assumptions:

- COUNTY staff will provide all previous plans, reports, data, models and information available to assist in the model update and calibration.
- The CONSULTANT will rely upon the data provided without independent review or evaluation.
- The COUNTY will assist CONSULTANT with data investigations, staff interviews and field investigation.
- The software that was utilized for the previous model, and will be utilized for the model updates, is InfoWater.
- COUNTY will provide consolidated review comments of each deliverable within two (2) weeks of receipt from CONSULTANT.
- COUNTY will provide SCADA information such as storage tank levels, flow and pressure readings as needed for model update and calibration.

- The scope of this project includes the eastern part of the County's potable water system and does not include the Glades Region.
- Water quality modeling is not included.

Task 1 – Data Review and Investigation

The CONSULTANT will collect and organize future data parameters to understand the COUNTY's potable water system.

- 1.1 Gather Relevant Project Data: The CONSULTANT will collect GIS and all relevant data from the COUNTY that will be needed for the model update. This data may include water main improvement projects and new development areas; existing water valves location, type and size; past reports; customer billing data; major customer consumption; traffic analysis zone (TAZ) population estimates; water production and consumption records. The CONSULTANT will meet with COUNTY staff to determine areas where data is missing, review existing as-builts, water meter billing data, obtain project files for this data, and incorporate into the model.
- 1.2 Review Existing Model: The CONSULTANT will review the existing InfoWater Potable Water model for pipe connectivity, infrastructure and hydraulic data, operational control information and scenario management configuration. The COUNTY will provide water system operational information and data on updates completed to all water treatment plants, pumps and tanks as well as verification of flow capacity for all water treatment plants. This information will be used to update all existing physical characteristics of the water system represented in the model. This task includes the review of the system performance criteria which will be used to evaluate the potable water system.
- 1.3 Water Demand Review and Allocation: The CONSULTANT will review and allocate existing water demands. The water demand evaluation will be completed using existing billing data which will be provided by the COUNTY in addition to updated TAZ data information (if necessary), bulk users, utility interconnections, future developments, and population growth to review water demands within the service area and properly allocate demands in the hydraulic model for existing and future demands. Water demand allocation will be completed using customer billing data.
- 1.4 Develop Peaking Factors: The CONSULTANT will review the collected data to determine the validity of the current diurnal curves and peaking factors included in the hydraulic model. The diurnal curves review will be based on historical data from each WTP and the entire eastern water system.
- 1.5 Technical Memorandum: CONSULTANT will prepare a Technical Memorandum that will summarize the GIS and necessary model updates due to improvement projects and new developments, infrastructure updates, population information, water demands and allocation method, demand patterns, daily peaking factors, diurnal curves, and system performance criteria for evaluation.
- 1.6 Meetings: CONSULTANT will meet with COUNTY staff during this task to obtain the required information and review the Technical Memorandum 1. It is expected that three (3) meetings will be required for this task.

Task 1 Deliverable

Digital (pdf) copy of the Technical Memorandum 1.
Digital (pdf) copy of minutes from all meetings.

Task 2 – Potable Water Model Update and Calibration

The CONSULTANT will update model with revised GIS data, SCADA and other relevant information obtained in Task 1 and perform calibration tasks

2.1 Potable Water Model Update: The CONSULTANT will update the model using the GIS data, 2016 water meter billing data, COUNTY staff input, as-built information, and other available information gathered as indicated in Task 1; establish pipe connectivity; enter hydraulic infrastructure data for all system facilities; and input operational control information.

2.2 Calibration Data Gathering and Factors Development: The CONSULTANT will gather and analyze all historical water usage information to prepare diurnal curves and peak factors and collect all necessary SCADA information required to complete the calibration process which shall include flow, pressures, and tank level data at different locations throughout the potable water system. The procedure for development of these factors will be the same as the 2011 Water Master Plan Update.

2.3 Potable Water Model Calibration: The CONSULTANT will calibrate the hydraulic model using the data gathered and developed under task 2.2 to ensure that model results resemble observed conditions. During the calibration process, the CONSULTANT will modify parameters within the model such as operational controls, system demands, friction factors, and/or physical data of infrastructures to ensure proper model correlation with observed field data such as demands, pressures, and tank levels. A total of two scenarios will be developed in the model for calibration purposes which will represent extreme conditions observed in the water system. The selected calibration days will be corroborated with the County to confirm the veracity of the data gathered and field conditions that need to be included in the calibration scenarios. Existing boundary conditions will be entered in the two calibration scenarios which shall include tank levels, system flows and pressures, pump curves, necessary demand allocation arrangement, developed diurnal demand curves, etc. The calibration will be completed under an extended period simulation (EPS) scenario to develop the recommended pipe C-factors. Final pipe C-factors that are representative of the observed conditions will be developed under this task using the InfoWater Calibrator tool. Calibration results will be compared with field data to ensure proper correlation between observed and modeled data and will be verified with the second calibration scenario for accuracy. Calibration results will be verified and evaluated for reliability and accuracy under this task.

2.4 Technical Memorandum: The CONSULTANT will prepare a technical memorandum summarizing data collected, a summary of all model updates, calibration efforts and parameters developed, model calibration results, and verification of calibration results. This memorandum includes additional pipe improvements and infrastructure updates incorporated in the model, data and tables of information showing the infrastructure parameters that have been entered in the model as well as calibration results, and analysis of the calibration verification scenario.

2.5 Meetings: CONSULTANT will meet with COUNTY staff during this task to review the model results and Technical Memorandum 2. It is expected that two (2) meetings will be required for this task.

Task 2 Deliverable

Digital (pdf) copy of Technical Memorandum 2
Digital (pdf) copy of minutes from all meetings.

Task 3 – Potable Water Model Evaluation

The CONSULTANT will perform the water system evaluation for existing and future planning periods. The CONSULTANT will develop new scenarios for various demand conditions using data obtained from the calibration process.

Rev. 11-27-17

3.1 Scenario Development and Setup for Evaluation: The CONSULTANT will develop scenarios for the evaluation of the potable water system under existing and future conditions. The results obtained from the calibration process, future demands and boundary conditions will be incorporated to the scenarios used for the evaluation of the system. The evaluation scenarios will include planning periods for 2016, 2020, 2025, 2030 and 2035 under steady state (SS) and extended period simulation (EPS) conditions. The existing SS scenarios in the hydraulic model will be developed for peak hour and fire flow conditions, including review of the adequacy of pumps and tanks at the WTPs. The existing EPS scenarios include average flow and maximum daily flow which will be used to evaluate water age conditions.

3.2 Potable Water System Evaluation: The scenarios developed under Task 3.1 in the hydraulic model will be used to evaluate existing and future conditions of the potable water system. Model results will be properly displayed for evaluation of the system. This task includes the analysis of the hydraulic water model results to determine system deficiencies, fire flow capacity, and water age (including zone of influence) conditions for the specified years above. In addition, the following alternatives will be evaluated:

- Each WTP placed out of service
- System isolation scenarios – review of each WTP service area independently
- Florida Power and Light (FPL) demand for West County Energy Center (4 MGD, 6 MGD)
- New developments water demand that are known at the time of this scope. It is anticipated that four new developments will be evaluated in this task including Avenir, Arden, Minto West, Delray Linton Groves, Indian Trail Groves, Golf Course Conversions to Residential (up to four).
- Addition of booster pumps at NROC and Mecca pump stations

3.3 Valve Criticality Evaluation: The 2016 average scenario developed will be run to identify critical valves within the potable water system. These include valves that, when broken or unable to close, require significant valve shut downs in order to isolate the area for repairs which will affect a significant number of customers or entities in charge of public safety due to disconnection, low pressures, or loss of water supply. The CONSULTANT will work with the COUNTY to determine the thresholds for a valve being considered critical. The results of this effort will be the identification of these critical valves and recommendations of locations of additional strategically placed valves, where appropriate. This task will be completed using the InfoWater Valve Criticality Modeling module.

Task 4 – Complete Technical Memorandum

4.1 Complete Technical Memorandum: The CONSULTANT will prepare a comprehensive Technical Memorandum that will combine efforts completed under Tasks 1, 2 and 3 and will present the final model results.

Task 4 Deliverable

Digital (pdf) copy of the Complete Technical Memorandum

COMPENSATION

Not to exceed \$124,553.44

SBE PARTICIPATION

1. SCHEDULE 3(A) – Professional Services Activity Report

This form shall be submitted by the prime contractor with each payment application when SBE and/or M/WBE sub-consultants are utilized in the performance of the contract. This form shall contain the names of all SBE and M/WBE sub-consultants, specify the sub-

consultants dollar amount for each sub-consultants and show amount drawn and payments to date issued to sub-consultants.

2. SCHEDULE 4 – SBE-M/WBE Payment Certification

A schedule 4 for each SBE and/or M/WBE sub-consultant shall be completed and signed by the proposed SBE and/or M/WBE after receipt of payment from the prime. When applicable, the prime shall submit this form with each application submitted to the county for payment to document payment issued to a sub-consultant in the performance of the contract.

SBE participation is included in the **ATTACHMENT F** under this authorization. The attached Schedule 1 defines the SBE applied to this CSA/Contract and Schedule 2 establishes the SBE contribution from each subcontractor (Letter of Intend to perform as an SBE).

ATTACHMENT - B

BUDGET SUMMARY

Task No.	Task Description	Labor Classification and Hourly Rate				
		Project Director \$66.95	Senior Project Manager \$60.10	Project Engineer \$40.77	Associate Engineer \$29.87	CMA Total Hours
1	Date Review and Investigation					
1.1	Gather Relevant Project Data	1	4	24	32	61
1.2	Review Existing Model	2	8	12	24	46
1.3	Water Demand Review and Allocation	2	8	32	40	82
1.4	Develop Peaking Factors	2	12	20	32	66
1.5	Technical Memorandum	2	12	24	40	78
1.6	Meetings	4	12	12	18	46
	Subtotal Task 1	13	56	124	186	379
2	Potable Water Model Update and Calibration					
2.1	Potable Water Model Update	4	24	32	48	108
2.2	Calibration Data Gathering and Factors Development	2	16	24	40	82
2.3	Potable Water Model Calibration	4	16	40	60	120
2.4	Technical Memorandum	2	3	32	32	69
2.5	Meetings	4	12	12	18	46
	Subtotal Task 2	16	71	140	198	425
3	Potable Water Main Evaluation					
3.1	Scenario Development and Setup for Evaluation	2	12	24	32	70
3.2	Potable Water System Evaluation	2	12	16	24	54
3.3	Valve Criticality Evaluation	6	8	32	40	86
	Subtotal Task 3	10	32	72	96	210
4	Complete Technical Memorandum					
4.1	Complete Technical Memorandum	4	16	16	24	60
	Subtotal Task 4	4	16	16	24	60
	Labor Total Hours	43	175	352	504	1074
	Labor Raw Costs	\$66.95	\$60.10	\$40.77	\$29.87	
	Labor Multiplier	2.91	2.91	2.91	2.91	
	Labor Subtotal	\$8,377.45	\$30,605.93	\$41,761.53	\$43,808.54	\$124,553.44
	Project Total	\$124,553.44				

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ATTACHMENT - C

PROJECT SCHEDULE

The completion dates for this work will be as follows (starting from CONSULTANT'S receipt of Notice-to-Proceed).

	Activity	Days from NTP
1	Date Review and Investigation	
1.1	Gather Relevant Project Data	30
1.2	Review Existing Model	30
1.3	Water Demand Review and Allocation	30
1.4	Develop Peaking Factors	30
1.5	Technical Memorandum	45
1.6	Meetings	60
2	Potable Water Model Update and Calibration	
2.1	Potable Water Model Update	65
2.2	Calibration Data Gathering and Factors Development	85
2.3	Potable Water Model Calibration	130
2.4	Technical Memorandum	145
2.5	Meetings	160
3	Potable Water Main Evaluation	
3.1	Scenario Development and Setup for Evaluation	145
3.2	Potable Water System Evaluation	165
3.3	Valve Criticality Evaluation	165
4	Complete Technical Memorandum	
4.1	Complete Technical Memorandum	195

**ATTACHMENT D
SCHEDULE 1**

LIST OF PROPOSED SBE-M/WBE CONSULTANT/SUBCONSULTANTS

PROJECT NAME: Potable Water Hydraulic Model Update PROJECT NO. 18-004
 NAME OF PRIME CONSULTANT: Chen Moore and Associates, Inc. ADDRESS: 500 Australian Avenue South, Suite 530, West Palm Beach FL 33401
 CONTACT PERSON: Suzanne Dombrowski, P.E. PHONE NO.: 561.746.6900 x 1035 FAX NO. :
 DESCRIPTION OF SERVICES Civil Engineering

**PLEASE LIST THE DOLLAR AMOUNT AND PERCENTAGE OF WORK TO BE COMPLETED BY THE PRIME ON THIS PROJECT.
 PLEASE ALSO LIST THE DOLLAR AMOUNT AND PERCENTAGE OF WORK TO BE COMPLETED BY ALL SUB-CONSULTANTS ON THIS
 PROJECT. IDENTIFY ALL APPLICABLE CATEGORIES OF CONSULTANT/SUBCONSULTANTS**

Name, Address and Phone Number	(Check one or both Categories)		Consultant/Sub-consultant Dollar Amount and Percentage of Services				
	<u>M/WBE</u>	<u>SBE</u>					
	Minority Business	Small	Black	Hispanic	Women	Caucasian	Other (Please Specify)
Chen Moore and Associates, Inc. 500 Australian Avenue South, #530 West Palm Beach, FL 33401 1.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____	_____	_X_	_____
2.	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____
3.	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____
4.	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____
5.	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____
(Please use additional sheets if necessary)							
Total SBE-M/WBE Participation <u> 100 </u> %		Total	_____	_____	_____	_ \$124,553.44	_____

NOTE: 1. The percentages listed on this form must be supported by the sub-consultant included on Schedule 2 in order to be counted toward goal attainment.
 2. Firms may be certified by Palm Beach County as an SBE and/or M/WBE

**OSBA SCHEDULE 2
LETTER OF INTENT TO PERFORM AS AN SBE-M/WBE CONSULTANT/SUBCONSULTANT**

This document must be completed by ALL SBE-M/WBE's and submitted with this CSA. Specify in detail, the particular consulting services to be performed and the dollar amount and/or percentage for each services. SBE credit will only be given for services which the SBE-M/WBE's is certified to perform. Failure to properly complete Schedule 2 will result in your SBE participation not being counted.

PROJECT NUMBER: 18-004 PROJECT NAME: Potable Water Hydraulic Model Update

TO: Chen Moore and Associates, Inc.
(Name of Prime Consultant)

The undersigned is certified by Palm Beach County as a - (check one or more, as applicable):

Small Business Enterprise Minority Business Enterprise _____
Black _____ Hispanic _____ Women _____ Caucasian Other (Please Specify) _____

Date of Palm Beach County Certification: 6/19/2014

The undersigned is prepared to perform the following described consulting services in connection with the above project and will enter into a formal agreement for work with you, conditioned upon execution of a contract with Palm Beach County.

Additional Sheets May Be Used As Necessary

(Specify in detail the particular consulting services thereof to be performed)

Civil engineering

Total SBE-M/WBE Participation 100 %

If undersigned intends to sub-subcontract any portion of this job to a certified SBE-M/WBE or a non-SBE sub-consultant, please list the name of that sub-consultant and the amount below.

Price or Percentage 100% Chen Moore and Associates, Inc.
(Name of Sub-consultant)

The Prime Consultant affirms that it will monitor the SBE-M/WBE listed to ensure the SBE-M/WBE perform the services with their own work force. The undersigned SBE-M/WBE Prime or SBE-M/WBE sub-consultant affirms that it has the resources necessary to perform the work listed without subcontracting to a non-certified SBE or any other certified SBE sub-consultants except as noted above.

The undersigned sub-consultant understands that the provision of this form to the Prime Consultant does not prevent sub-consultant from providing quotations to other.

Chen Moore and Associates, Inc.
Print name of
SBE-M/WBE Sub-consultant

By: _____
(Signature)

Suzanne Dombrowski, Senior Engineer and West Palm Beach Branch Manager
Print name/title of person executing on behalf
of SBE-M/WBE

Date: _____

ATTACHMENT - E

AUTHORIZATION STATUS REPORT

**SUMMARY AND STATUS OF
REQUESTS FOR AUTHORIZATIONS**

Auth. No.	Description	Status	Project Total Amount	SBE Total Amount	SBE Participation %	Approved By	Date Approved	WUD No. Assigned	Consultant's Project No.
1	Raw Water Hydraulic Model Update	Pending	TBD	TBD	TBD	TBD	TBD	TBD	TBD
2	Potable Water Hydraulic Model Update	Pending	\$124,553.44	\$124,553.44	100%	BCC	TBD	18-004	TBD
3	NW Belle Glade Water Main Improvements, Zone 3 Survey and Pipe Assessment	Pending	\$170,814.11	\$170,814.11	100%	BCC	TBD	18-002	TBD
4	Water Treatment Plant 8 Sanitary Sewer Improvements	Approved	\$20,246.16	\$13,071.16	64.56%	WUD	11/28/2017	18-003	242.001
Total			\$315,613.71						

ATTACHMENT - F

AUTHORIZATION STATUS REPORT

SUMMARY OF SBE / MINORITY BUSINESS TRACKING

	Total	SBE
Current Proposal		
Value of Authorization No. 2	\$124,553.44	
Value of SBE Letters of Intent	\$124,553.44	\$124,553.44
Actual Percentage	100%	100%
Signed/Approved Authorizations		
Total Value of Authorizations	\$20,246.16	
Total Value of SBE Signed Subcontracts	\$13,071.16	\$13,071.16
Actual Percentage	64.56%	64.56%
Signed/Approved Authorizations Plus Current Proposal		
Total Value of Authorizations	\$144,799.60	\$144,799.60
Total Value of Subcontracts & Letters of Intent	\$137,624.60	\$137,624.60
Actual Percentage	95.04%	95.04%
GOAL	100%	100%

Attachment #3

Summary of Certificates

This report displays detailed Certificate of Insurance information for a selected Insured. Any items shown in red are deficient.

Wednesday, January 10, 2018

Insured: Chen Moore and Associates, Inc. Insured ID: 17-005-PBC

Status: Compliant

ITS Account Number: PLC2672

Project(s): Palm Beach County - Water Utilities

Insurance Policy	Required	Provided	Override
<u>General Liability</u>			
Expiration: 1/1/2019			
General Aggregate:	\$500,000	\$2,000,000	
Products - Completed Operations Aggregate:	\$0	\$0	
Personal And Advertising Injury:	\$0	\$0	
Each Occurrence:	\$500,000	\$1,000,000	
Fire Damage:	\$0	\$0	
Medical Expense:	\$0	\$0	
<u>Automobile Liability</u>	All Owned Autos	not provided	X
Expiration: 1/1/2019	Hired Autos	Hired Autos	
	Non-Owned Autos	Non-Owned Autos	
Combined Single Limit:	\$500,000	\$1,000,000	
<u>Excess/Umbrella Liability</u>			
Expiration: 1/1/2019			
Each Occurrence:	\$0	\$5,000,000	
Aggregate Limit:	\$0	\$5,000,000	
<u>Workers Compensation/Employers Liability</u>	WC Stat. Limits	WC Stat. Limits	
Expiration: 7/1/2018			
<u>Professional Liability</u>			
Expiration: 1/1/2019			
Each Occurrence:	\$3,000,000	\$3,000,000	
Aggregate Limit:	\$3,000,000	\$3,000,000	

Notifications ([Show All](#))

The following letters were issued

Do you have an updated Certificate? Click the button below to submit a Certificate.

Certificate Submittal