

City of Fort Lauderdale Engineering Services for Comprehensive Utility Strategic Master Plan

RFQ # 246-11426 June 16, 2014



REISS ENGINEERING

EXHIBIT 4
PLANNING • DESIGN • CONSTRUCTION

Page 1 of 91

CITY OF
FORT
LAUDERDALE

RFQ# 246-11426

ENGINEERING
SERVICES FOR
COMPREHENSIVE
UTILITY
STRATEGIC
MASTER PLAN

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June 16, 2014

James Hemphill, Sr. Procurement Specialist
Fort Lauderdale City Hall
Procurement Services Division
100 N. Andrews Avenue, #619
Fort Lauderdale, FL 33301

RE: Engineering Services for Comprehensive Utility Strategic Master Plan (RFQ No. 246-11426)

Dear Mr. Hemphill:

The City of Fort Lauderdale recognizes the need for accurate planning documents, focused strategic initiatives and forward thinking as exemplified by the City's various planning visions and leadership committees. Reiss Engineering is the coastal Florida master planner of choice and will deliver the vision and the Plan within your identified budget. In selecting Reiss, you will receive a fresh perspective, accuracy, efficiency, and alignment with the City's Strategic Vision of "Fast Forward Fort Lauderdale".

Leveraging previous planning and City staff knowledge, Reiss Engineering's experts will join side-by-side with your staff to deliver this Water and Wastewater Master Plan Update in a cost-effective and timely manner. An approach focused on your needs will be necessary to deliver your Master Plan:

Issues	Reiss Features	Benefits to You	Proofs
Need a Feasible Plan that coincides with the City's Vision	Leaders in Florida, coastal Master Planning; our approach involves You	Prioritized, Affordable Projects that are in Lockstep w/ Your Vision	Over 15 major Florida Master Plans: Call Our References
Secure Long-Term Water Supply	Founded and Focused on Alternative Supplies and Advanced Treatment	Reliable, High-Quality Supply for Generations Ahead	2014 Brackish Supply Projects: Clearwater, Cypress Lake, Seminole Tribe, St. Lucie West
Green Up the Wastewater System	Technical Leaders in the Wastewater Industry will prepare Your Plan	Increased Reliability, Reduced Energy Use, Put Biosolids to Work	Curtis Kunihiro one of the most Respected FL Process Engineers (PureOx), Mark Burgess Chair of FWEA Biosolids Committee
Key Infrastructure needs Repair and Replacement (R&R)	Unique, proven approach that reduces Failure Likelihood and Consequence; Cost Effectively	Prioritized Projects that Meet Your Budget	Reduced City of Tampa \$700 Million 5-year Capital Plan to \$200 Million
Provide Utility Staff Better Tools to Optimize Operations and Energy Efficiency	We design simple-to-use tools and applications that meet your needs	Empower Staff, Provide Management Evidence to Support Decisions	2014 Water Quality App or Orange County Florida

Reiss Engineering provides the City with technical leadership and expertise in planning, hydraulic modeling and R&R prioritization coupled with the experience of recent coastal master plan development and cutting edge water and wastewater treatment, without the unnecessary added layers of management to deliver this assignment within the City's allocated budget. Our team is focused on your Vision; qualified; and loaded with highly-respected experts in the required disciplines to deliver the City's Comprehensive Master Plan expectations effectively and efficiently.





It is because of the strengths listed above that Reiss Engineering had doubled in size since 2010, in the midst of the "Great Recession." Our Clients continue to seek out our engineering services due to their prior successful experiences in working with our staff and their trust in our organization to deliver their critical projects on schedule and without budget overruns.

As requested in the RFQ, the information below includes the contact information for our points of contact:

Client Services Manager

Lance R. Littrell, P.E.

Ph.: 786.416.0427

Fax: 954.337.2835

Email: lr Littrell@reisseng.com

Project Manager

Edward H. Talton, Jr., P.E.

Ph.: 786.416.0427

Fax: 954.337.2835

Email: ehtalton@reisseng.com

We greatly appreciate your consideration of Reiss Engineering and this opportunity to serve the City of Fort Lauderdale. If you should have any questions regarding our submittal, please do not hesitate to contact us.

Sincerely,

REISS ENGINEERING, INC.

A handwritten signature in blue ink, reading "Lance R. Littrell".

Lance R. Littrell, P.E.

Client Services Manager

BID/PROPOSAL SIGNATURE PAGE

How to submit bids/proposals: Proposals must be submitted by hard copy only. It will be the sole responsibility of the Bidder to ensure that the bid reaches the City of Fort Lauderdale, City Hall, Procurement Services Division, Suite 619, 100 N. Andrews Avenue, Fort Lauderdale, FL 33301, prior to the bid opening date and time listed. Bids/proposals submitted by fax or email will NOT be accepted.

The below signed hereby agrees to furnish the following article(s) or services at the price(s) and terms stated subject to all instructions, conditions, specifications addenda, legal advertisement, and conditions contained in the bid. I have read all attachments including the specifications and fully understand what is required. By submitting this signed proposal I will accept a contract if approved by the CITY and such acceptance covers all terms, conditions, and specifications of this bid/proposal.

Please Note: All fields below **must** be completed. If the field does not apply to you, please note N/A in that field.

Submitted by:  (signature) 6/13/14 (date)

Name (printed) C. Robert Reiss, Ph.D., P.E. Title: Vice-President

Company: (Legal Registration) Reiss Engineering, Inc.

CONTRACTOR, IF FOREIGN CORPORATION, MAY BE REQUIRED TO OBTAIN A CERTIFICATE OF AUTHORITY FROM THE DEPARTMENT OF STATE, IN ACCORDANCE WITH FLORIDA STATUTE §607.1501 (visit <http://www.dos.state.fl.us/>).

Address: 1451 W. Cypress Creek Road, Suite 300

City: Ft. Lauderdale State: FL Zip: 33309

Telephone No.: 786.416.0427 FAX No. 954.337.2835 Email: crreiss@reisseng.com

Delivery: Calendar days after receipt of Purchase Order (section 1.02 of General Conditions): N/A

Payment Terms (section 1.04): N/A Total Bid Discount (section 1.05): N/A

Does your firm qualify for MBE or WBE status (section 1.09): N/A MBE WBE

ADDENDUM ACKNOWLEDGEMENT - Proposer acknowledges that the following addenda have been received and are included in the proposal:

<u>Addendum No.</u>	<u>Date Issued</u>
1	May 22, 2014
2	June 10, 2014
3	June 10, 2014

P-CARDS: Will your firm accept the City's Credit Card as payment for goods/services?

YES NO X

VARIANCES: State any variations to specifications, terms and conditions in the space provided below or reference in the space provided below all variances contained on other pages of bid, attachments or bid pages. No variations or exceptions by the Proposer will be deemed to be part of the bid submitted unless such variation or exception is listed and contained within the bid documents and referenced in the space provided below. If no statement is contained in the below space, it is hereby implied that your

bid/proposal complies with the full scope of this solicitation. HAVE YOU STATED ANY VARIANCES OR EXCEPTIONS BELOW? BIDDER MUST CLICK THE EXCEPTION LINK IF ANY VARIATION OR EXCEPTION IS TAKEN TO THE SPECIFICATIONS, TERMS AND CONDITIONS. If this section does not apply to your bid, simply mark N/A in the section below.

Variances:

N/A

revised 11-29-1



City of Fort Lauderdale • Procurement Services Division
100 N. Andrews Avenue, 619 • Fort Lauderdale, Florida 33301
954-828-5933 Fax 954-828-5576
purchase@fortlauderdale.gov

ADDENDUM NO. 1

RFQ 246-11426 COMPREHENSIVE UTILITY STRATEGIC MASTER PLAN

ISSUED 5/22/14

1. This addendum is being issued to make the following change:

The proposal due date has been changed to **JUNE 16, 2014**

The last day for questions has been changed to June 2, 2014

All other terms, conditions, and specifications remain unchanged.

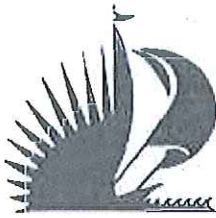


James T. Hemphill
Sr. Procurement Specialist

Company Name: Reiss Engineering, Inc.
(please print)

Bidder's Signature: 

Date: 6/13/14



ADDENDUM NO. 2

RFQ 246-11426 Comprehensive Utility Strategic Master Plan

ISSUED 6/10/14

1. Questions and Answers that were submitted.

Question and Answers for Bid #246-11426 - Comprehensive Utility Strategic Master Plan

Question 1

Are there any companies who's previous work would preclude them from submitting on this Master Plan? (Submitted: May 19, 2014 11:56:39 AM EDT)

Answer

- No (Answered: May 19, 2014 2:46:41 PM EDT)

Question 2

1. Are the Tabs and Cover/Back of the submittal included in the 50 page count limit requirement?
2. Indicating there is Memorial Day Holiday, is it possible to get a 1-2 week extension on the due date?
3. What tab/section does the ?local preference? go under?
4. In Tab 4 ?Qualification of the Project Team?, it is suggested to add a brief resume. Do you want us to duplicate the resume already provided in the SF330 required in section3? (Submitted: May 23, 2014 4:42:53 PM EDT)

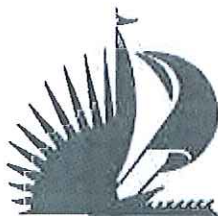
Answer

- 1. - No they will not be counted in the City's 50 page preference.
- 2. - Due date was extended (see addendum 1)
- 3. - You may place it as your last submittal - be sure it reference it in your table of contents.
- 4. - Duplication is not necessary. (Answered: May 27, 2014 10:14:20 AM EDT)

Question 3

Section IV, 3-Qualifications of the Firm ? Is the SF 330 required for the prime firm only or is more than one SF 330 acceptable since there maybe multiple sub-consultants as part of the team with specific qualifications? (Submitted: Jun 2, 2014 4:15:01 PM EDT)

Answer



- Your option. (Answered: Jun 3, 2014 11:37:10 AM EDT)
- The sub-consultants are part of your project team and their information / SF330s should be in the section related to Qualifications of the Project team (Answered: Jun 10, 2014 8:07:55 AM EDT)

Question 4

Section V ? The Non-Collusion statement indicates that it should be signed, but there does not seem to be a signature line. Does this statement need to be signed? (Submitted: Jun 2, 2014 4:16:36 PM EDT)

Answer

- You may sign the bottom of the page. (Answered: Jun 3, 2014 11:37:10 AM EDT)

Question 5

Section V ? Evaluation /Selection Process, Scoring during presentation is not clear. How will presentations be scored? Will the final scoring be inclusive of the proposal and presentation or independent of proposal? (Submitted: Jun 2, 2014 4:18:42 PM EDT)

Answer

- Independent of proposal. (Answered: Jun 3, 2014 11:37:10 AM EDT)

All other terms, conditions, and specifications remain unchanged.

James T. Hemphill
Sr. Procurement Specialist

Company Name: Reiss Engineering, Inc.

(please print)

Bidder's Signature:

Date: 6/13/14



ADDENDUM NO. 3

RFQ 246-11426
Comprehensive Utility Strategic Master Plan

ISSUED 6/10/14

This Addendum is being issued to make the following change:

1. The following requirement shall be added to the RFQ Section III-Scope of Services under PROJECT DESCRIPTION, 2nd paragraph. (New language is underlined and bolded). Note: this should be found on page 14 of most specifications packages downloaded from BIDSYNC.:

For consideration for the CUSMP, CONSULTANT teams must demonstrate proficiency in their Statement of Qualifications in the fields not limited to the following: Water resources planning, civil engineering, electrical engineering, energy conservation and efficiency, environmental engineering, sustainable planning and design for utilities, hydrodynamics and pipeline system modeling, municipal organizational structure, finances and municipal and regulatory law. **In addition, the lead firm for the CUSMP effort shall specialize in Civil Engineering and have a current valid Certificate of Authorization from the State of Florida Board of Professional Engineers.**

All other terms, conditions, and specifications remain unchanged.


James T. Hemphill
Sr. Procurement Specialist

Company Name: Reiss Engineering, Inc.
(please print)

Bidder's Signature: 

Date: 6/13/14

SECTION 1

Qualifications of the Firm



Section 1

QUALIFICATIONS OF THE FIRM

A. FIRM'S NUMBER OF YEARS EXPERIENCE

Over the past 15 years, Reiss has provided our clients with the unmatched ability to get the best of both worlds: the **technical depth and capability of a large, global firm combined with the "small company" virtues** of attentive and personalized customer service and responsiveness. Reiss has built a local and statewide client base by providing this unmatched level of service.

B. INITIATIVES TOWARDS SUSTAINABLE BUSINESS PRACTICES

Like Fort Lauderdale's pursuit for sustainable operations, Reiss Engineering is committed to sustainability of our business practices. Reiss Engineering employs a number of sustainable business practices by empowering our Staff to make these practices a daily program as well as incentivize ideas for new, creative practices, including:

- **Water Conservation.** Reiss Engineering understands the significance of our water resources and places importance on the use of conservation and water use efficiency practices, including expedited repair of leaking pipes, fixtures, or seals, installing water-efficient appliances, designing water efficient landscaping, and installing energy-efficient water heaters within our offices.
- **Using Paper.** By following a few simple steps, Reiss Engineering strives to optimize the use of paper products within our business that will reduce waste, protect our forests, and reduce energy consumption, including using double-sided printing, distributing documents electronically instead of in hard copy when able, and recycling paper.
- **Air Pollution Prevention.** Reiss Engineering utilizes energy-efficient technologies throughout its offices to help reduce the emissions from power plants supplying our energy, including ENERGY STAR qualified products and motion detecting light switches that turn off after a period of inactivity.
- **Waste.** To aid in the reduction of waste, Reiss Engineering employs a philosophy of "waste reuse," including selling or giving away items for reuse, reusing office supplies such as binders and manila folders, repairing broken equipment to extend the useful life, or donating old items.
- **Recycling.** From glass and plastic bottles, to used printer cartridges, to paper products, Reiss Engineering looks to recycle as much of our used products as possible through the placement of a number of easily-accessible recycling stations throughout each of our offices.
- **Green Building Design.** All of our offices undergo a green building screening prior to any upgrade or modification. Where possible, green building practices such as window tinting and water efficient landscaping is a standard at Reiss Engineering.

Our **Sustainable Business Practices** have been noted as a key contributor to reducing overhead costs. Our experience has led the Reiss' Management Team to offer incentives for new Sustainable Business Practices identified by our staff. By keeping our overhead expenses low, we can extend these savings to our clients.

C. BUSINESS STRUCTURE

Reiss Engineering, Inc. is a **Corporation** organized under the laws of the State of Florida.

D. M/WBE STATUS

Reiss Engineering, Inc. is not a certified M/WBE firm. Reiss' delivery plan for this project's execution includes utilizing highly qualified and experienced sub-consultants. Section 8 demonstrates the certified M/WBE certification from Hillers Electrical Engineering, Inc.

E. COMPANY INFORMATION

1451 W. Cypress Creek Road
Suite 300
Ft. Lauderdale, FL 33309
(786) 416-0427 Office
(954) 337-2835 Fax
Contact Person: Edward Talton,
P.E.
Email: ehaltan@reisseng.com
Website: www.reisseng.com



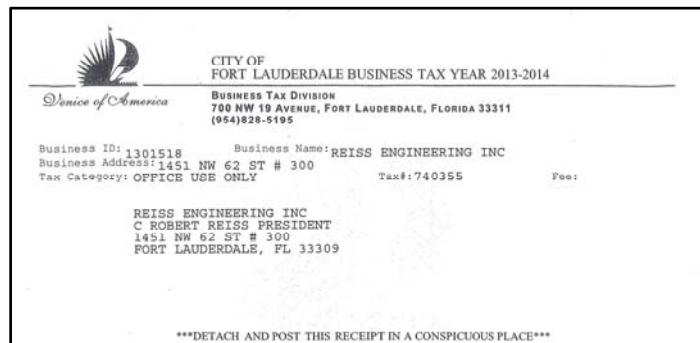
Reiss Engineering, Inc. has a strong history of providing clients with clear guidance and developing strategic planning documents for their potable water, wastewater and reclaimed water utilities. As Fort Lauderdale's staff have recognized and proactively issued this RFP, outdated master plan documents need to be re-evaluated and updated on a routine basis and certainly after the recent recession's impact on our local economy. Master planning is critical for utilities to ensure cost-effective service to both their existing and future customers, and it is also critical to the efficient use of funds in the community's capital improvement plan (CIP) process. A key technical component of these assessments is the ability to apply state-of-the-art hydraulic modeling capabilities for solving real-world planning issues. Reiss Engineering is the leader in hydraulic modeling in Florida.

Reiss Engineering's approach to master planning utilizes the latest technologies in hydraulic modeling, GIS databases, and web-based systems to provide accurate results, useful tools and applications for solving real world utility problems. These tools have been implemented for a number of clients who had existing models that were looking to take the next step quickly at minimal costs. With Reiss Engineering's expert staff available for implementation, the resulting master planning updates are an efficient and cost-effective tool for utility managers to control the many activities tied to the needs of growing communication and integration of Utility Systems. Valuable planning and operational tools are then available for our clients' use, including hydraulic models that have been developed, and are continually updated, to assist with planning.

Reiss Engineering is recognized across Florida as an industry leader in both the master planning and hydraulic modeling arenas. With proven, recent experience as the formal utility master planning firm for the City of Port St. Lucie, Seminole County, City of Melbourne, and the City of St. Cloud, Reiss Engineering also provides ongoing hydraulic modeling expertise to Orange County and the Cities of Tampa, Casselberry, South Seminole North Orange County Wastewater Transmission Authority, Ocoee, and Sanford.

The Reiss Team, brings a specialized portfolio of experience, and has successfully completed a wide range of projects which include tools and innovations specifically applicable to Fort Lauderdale Master Planning efforts in the following areas:

- ◆ Master Planning
- ◆ Water Treatment
- ◆ Wastewater Treatment
- ◆ Wastewater Collection
- ◆ Potable and Reclaimed Water Distribution
- ◆ 24-Hour Extended Period Simulations and Advanced Hydraulic Modeling
- ◆ Flow-through Remote Storage and Repumping Design
- ◆ Geo-located Meters
- ◆ GIS-based Reuse Demand/Flow Allocations and Projections
- ◆ Infrastructure Needs Assessment
- ◆ Water Quality Modeling



The City's hydraulic modeling and master planning services have been a staple of Reiss Engineering's services over our corporate history. The firm was founded in 1998 as a Potable Water Treatment Engineering Specialty Firm, based solely on the specialized water quality and treatment expertise of C. Robert Reiss, Ph.D., P.E. and acquired highly experienced master planning hydraulic modeling services shortly thereafter with Mr. Ed Talton, P.E. Dr. Reiss started the company and has continued to infuse the organization with the mission of providing **quality, innovative, cost-effective, and personalized services** that meet the needs of its clients. Reiss provides professional water, wastewater, reclaimed water, master planning, hydraulic modeling, unidirectional flushing, conventional utility infrastructure design and construction engineering services that could be effectively utilized by the City to successfully meet your needs. Our firm's emphasis is on solutions via in-depth knowledge of advanced treatment processes, permitting and compliance assurance, community relations, water, wastewater, and

reclaimed water design, process optimization, water quality, as well as transmission/distribution system modeling, design and construction engineering services for water, wastewater, and reclaimed water systems. As Fort Lauderdale will see, Reiss' mission is visible in our efforts to deliver the components that are specific to our clients' needs and eliminates any inefficient overhead or now needed tasks that add unnecessary dollars to engineering product delivery.

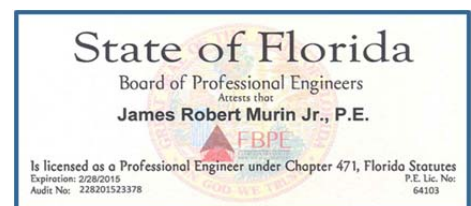
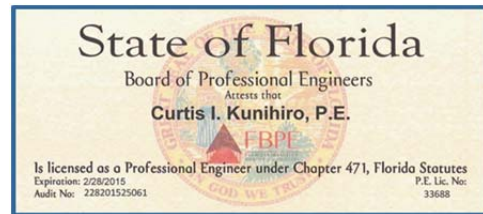
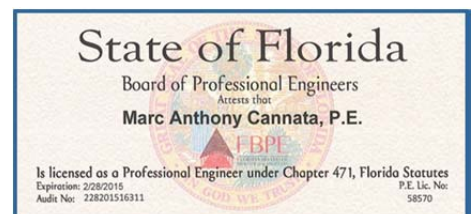
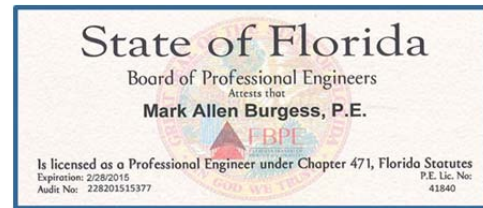
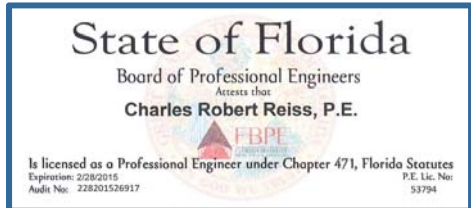
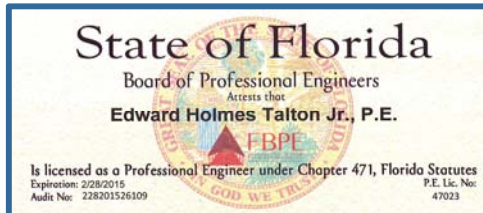
Additionally, Reiss' operating philosophy is flexible, such that client needs, as well as market opportunities, can be addressed rapidly and successfully. With an impressive history of project successes, Reiss has been widely embraced by clients in need of the expertise, customer service, and attention to detail offered by the firm's staff. Reiss has an extensive portfolio of successfully completed projects across the State of Florida similar to the City of Fort Lauderdale, which can be seen by the sample of project descriptions provided in this proposal.

F. RELATIVE SIZE OF THE FIRM

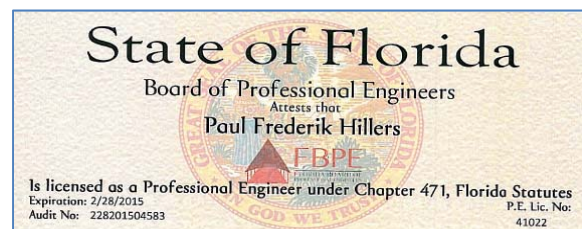
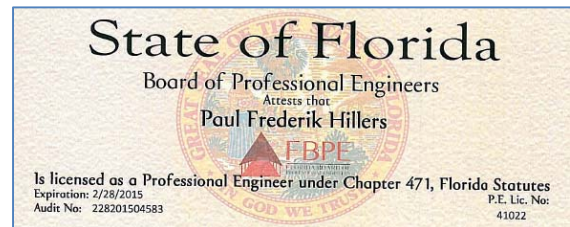
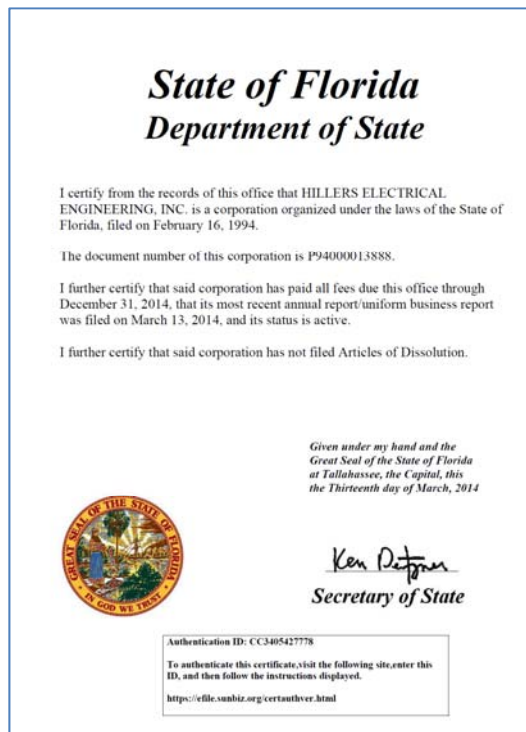
With a strong dedication to the mission of servicing clients similar to the City of Fort Lauderdale with personalized customer service, Reiss has grown to over a 50 person full-service civil and environmental engineering firm including 10 management staff, 37 technical staff and 8 support staff.

G. LICENSES

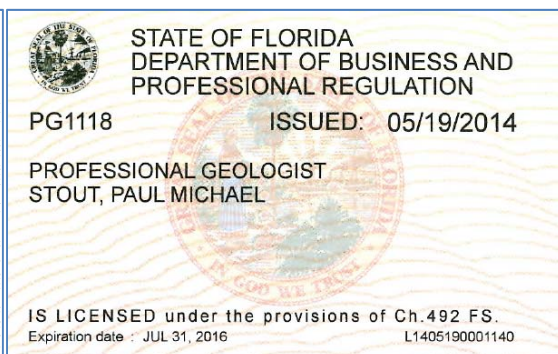
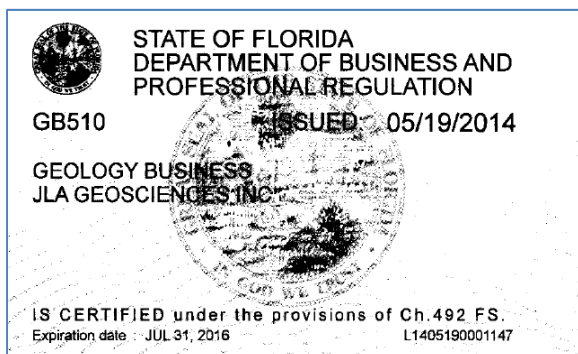
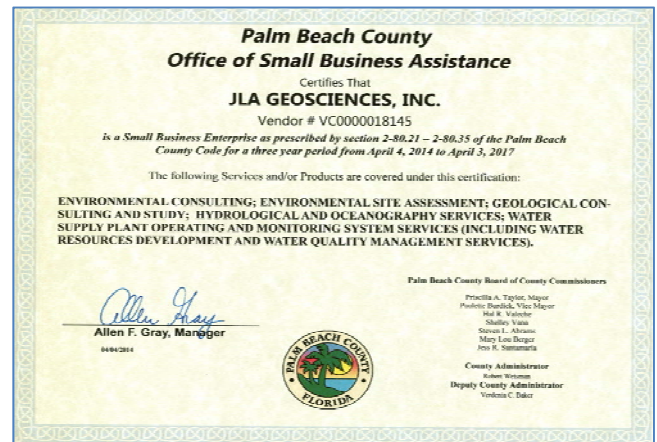
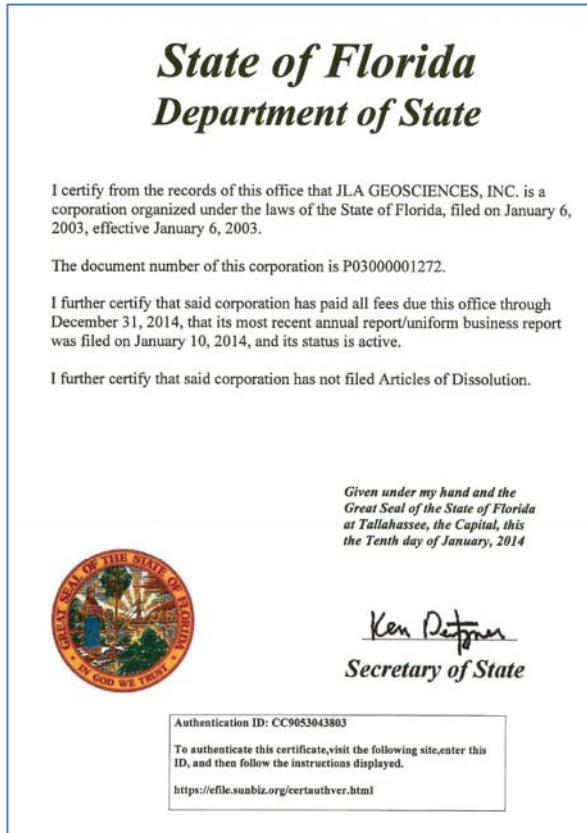
Reiss Engineering, Inc.



Hillers Electrical Engineering, Inc.




JLA Geosciences, Inc.



City of Fort Lauderdale RFQ No. 246-11426
Engineering Services for Comprehensive Utility Strategic Master Plan

McNabb Hydrogeologic Consulting, Inc.

 **Town of Jupiter**
210 Military Trail, Jupiter, FL 33458
Website: www.jupiter.fl.us
E-Mail: TOJBT@jupiter.fl.us

LOCAL BUSINESS TAX RECEIPT

Business Name	Location	BTR No.
MCNABB HYDROGEOLOGIC	4600 MILITARY TRL 116	14-00027908

*Valid at this location ONLY

Business Classification	Applicant or Qualifier	Total Fee
OFFICE: CONSULTNT (EXCPT EDCTNL/REAL EST)	DAVID M MCNABB	103.75

Expires: September 30, 2014

DISPLAY IN PLACE OF BUSINESS
NON-TRANSFERABLE

DEAR Business Owner:

This is your new Business Tax Receipt. Verify the information and display it conspicuously at your place of business, open to the view of the public.

This tax is in addition to and not in lieu of any other tax required by law or municipal ordinance and is subject to regulations of zoning, health, and any other lawful authority.

Tax receipts may be transferred to a new owner when evidence of a sale is provided; the original tax receipt is surrendered and a transfer fee is paid.


Tax receipts may be transferred to a new location when proof of zoning approval is provided; the original tax receipt is surrendered and a transfer fee is paid.

Business name changes require a new tax receipt to be issued.

This tax receipt expires on September 30th of each year. Renewal notices are e-mailed between July and August. Make sure your e-mail address is up to date on your account to ensure you receive your renewal reminder.

We hope you have a successful year,
Town of Jupiter

MCNABB HYDROGEOLOGIC
CONSULTING INC
4600 MILITARY TRL #116
JUPITER FL 33458

 **ANNE M. GANNON**
CONSTITUTIONAL TAX COLLECTOR
Serving you.

P.O. Box 5253, West Palm Beach, FL 33410-3353
www.pbcgov.com/Tax (561) 355-2264

"LOCATED AT"
4600 MILITARY TRAIL Ste 116
JUPITER, FL 33458

TYPE OF BUSINESS	OWNER	APPLICANT/QUALIFIER	RECEIPT NUMBER	AMOUNT	DATE
MCNABB HYDROGEOLOGIC	MCNABB DAVID M	DAVID M	14-00027908	\$103.75	SEPTEMBER 30, 2014


This document is valid only when accepted by the Tax Collector's Office.

**STATE OF FLORIDA
PALM BEACH COUNTY
2013/2014 LOCAL BUSINESS TAX RECEIPT**
LBTR Number: 201469561
EXPIRES: SEPTEMBER 30, 2014

MCNABB HYDROGEOLOGIC CONSULTING INC
MCNABB HYDROGEOLOGIC CONSULTING INC
4600 MILITARY TRAIL SUITE 116
JUPITER, FL 33458

This receipt grants the privilege of engaging in or managing any business profession or occupation within its jurisdiction and to/ST be conspicuously displayed at the place of business and in such a manner as to be open to the view of the public.


**STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL GEOLOGISTS**




LICENSE NUMBER
GB547

The GEOLOGY BUSINESS
Named below IS CERTIFIED
Under the provisions of Chapter 492 FS.
Expiration date: JUL 31, 2016

MCNABB HYDROGEOLOGIC CONSULTING INC
4600 MILITARY TRAIL, SUITE 116
JUPITER FL 33458




**STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL GEOLOGISTS**



LICENSE NUMBER
PG1461

The PROFESSIONAL GEOLOGIST
Named below IS LICENSED
Under the provisions of Chapter 492 FS.
Expiration date: JUL 31, 2016

MCNABB, DAVID MICHAEL
4600 MILITARY TRAIL, SUITE 116
JUPITER FL 33458



ARCHITECT – ENGINEER QUALIFICATIONS

PART I – CONTRACT-SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

1. TITLE AND LOCATION (City and State)

City of Fort Lauderdale – Comprehensive Utility Strategic Master Plan

2. PUBLIC NOTICE DATE

05/14/2014

3. SOLICITATION OR PROJECT NUMBER

RFQ# 246-11426

B. ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE

C. Robert Reiss, Ph.D., P.E., President

5. NAME OF FIRM

Reiss Engineering, Inc.

6. TELEPHONE NUMBER

786.416.0427

7. FAX NUMBER

954.337.2835

8. E-MAIL ADDRESS

crreiss@reisseng.com

C. PROPOSED TEAM

	(Check)				9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
	PRIME	J-V	PARTNER	SUBCON-TRACTOR			
a.	<input checked="" type="checkbox"/>				Reiss Engineering, Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	1451 W. Cypress Creek Road Suite 300 Ft. Lauderdale, FL 33309	Master Planning, Hydraulic Modeling, GIS, Asset Management, Treatment
b.				<input checked="" type="checkbox"/>	Hillers Electrical Engineering, Inc. <input type="checkbox"/> CHECK IF BRANCH OFFICE	4600 Military Trail Suite 116 Jupiter, FL 33458	Electrical Evaluation, SCADA Planning, Energy Evaluation/Audits
d.				<input checked="" type="checkbox"/>	JLA Geosciences <input type="checkbox"/> CHECK IF BRANCH OFFICE	1931 Commerce Lane Suite 3 Jupiter, FL 33458	HydroGeological, Water Supply, ASR, Climate Change Sea Level Rise
c.				<input checked="" type="checkbox"/>	McNabb Hydrogeologic Consulting, Inc. <input type="checkbox"/> CHECK IF BRANCH OFFICE	23257 S.R. 7 Suite 100 Boca Raton, FL 33428	HydroGeological, Deep Well Inspection
e.					<input type="checkbox"/> CHECK IF BRANCH OFFICE		
f.					<input type="checkbox"/> CHECK IF BRANCH OFFICE		
g.					<input type="checkbox"/> CHECK IF BRANCH OFFICE		
h.					<input type="checkbox"/> CHECK IF BRANCH OFFICE		

D. ORGANIZATIONAL CHART OF PROPOSED TEAM

☒ (Below)

City of Fort Lauderdale

Lance R. Littrell, PE
CLIENT MANAGER

Edward H. Talton, PE
PROJECT MANAGER

QA/QC
C. Robert Reiss, PhD., PE
Mark A. Burgess, PE, BCEE
Glenn W. Dunkelberger, PE

WATER

C. Robert Reiss, PhD, PE
Task Leader

Marc A. Cannata, PE
Christophe M. Robert, PhD
Glenn W. Dunkelberger, PE
Melanie D. Peckham, PE
E. Devan Henderson, PE

DISTRIBUTION & COLLECTION MODELING

Kelcia D. Mazana, EI
Task Leader

Brandon C. Bryant, PE
Weston T. Haggen, PE
Matthew S. Grewe, EI
Timothy S. English, EI

WASTEWATER

Curtis I. Kunihiro, PE
Task Leader

Kathleen N. Gierok, PE
Mark A. Burgess, PE, BCEE
Kathleen N. Gierok, PE
Mark K. Worsham, PE
James R. Murin, PE
Damaris N. Noriega, EI

EFFECTIVE UTILITY MANAGEMENT

- Asset Management
- SCADA
- Energy
- CMMS
- GIS
- Sustainability

Aaron Van Smith, PE
Jonathan A. McCarthy, EI
Anastasia Strazhko

Brent R. White, PE
Melanie D. Peckham, PE
Robert L. Lupo
Daniel E. Millan

Ferdinand A. Vasquez, PE
Scott W. Hoxsworth, PE
Josue Raymond

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS OF EXPERIENCE	
EDWARD H. TALTON, JR., P.E.	Project Manager	a. TOTAL	b. WITH CURRENT FIRM
		24	14

15. FIRM NAME AND LOCATION (City and State)
Reiss Engineering, Inc. / Winter Springs, FL

16. EDUCATION (DEGREE AND SPECIALIZATION)	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
M.S.E., Environmental Engineering	Professional Engineer – FL

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
American Water Works Association

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	Water Master Plan and Bond Engineer, Tampa, FL	2012	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager for comprehensive potable water master plan for 80 mgd system. Included capacity evaluations, CIP prioritization, risk based asset evaluation, developer funding policies, and successful bond engineering support.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	Cypress Lake Potable Water Transmission, Optimization and Interconnection Analysis and Conceptual Design, St. Cloud, FL	2014	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE A conceptual plan to deliver 36 million gallons per day (MGD) of alternative water supply to five major utilities in Orange, Osceola, and Polk Counties in Central Florida to proactively protect and sustain the Upper Floridan Aquifer as identified by the South Florida Water Management District. Responsibilities include project manager, chief technical officer, and operations programming.	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	Miami-Dade Reuse Feasibility Study and Steady-State Wastewater Force Main Hydraulic Model, Miami, FL	1995	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Completed a comprehensive reuse master plan and wastewater force main hydraulic model (1,500 miles of pipe and over 900 pump stations) for Miami-Dade Water and Sewer Authority.	<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	Water Delivery and WW Collection Master Plan, Port St. Lucie, FL	2010	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager for a water delivery, wastewater collection and reuse utilities master plan to address an expanding service area, evaluate CIP, and assess the capacity and reliability of key existing infrastructure.	<input checked="" type="checkbox"/> Check if project performed with current firm	
e.	Potable and Reclaimed Water Systems Master Plan, Altamonte Springs, FL	2013	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Comprehensive master plan that includes one of the 1st reclaimed water systems in the State. Project manager that identified system capacity needs to meet urban re-development.	<input checked="" type="checkbox"/> Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME LANCE R. LITRELL, P.E.	13. ROLE IN THIS CONTRACT Client Services Manager	14. YEARS OF EXPERIENCE	
		a. TOTAL 13	b. WITH CURRENT FIRM 9
15. FIRM NAME AND LOCATION (City and State) Reiss Engineering, Inc. / Ft. Lauderdale, FL			
16. EDUCATION (DEGREE AND SPECIALIZATION) M.S., Business Administration B.S., Mechanical Engineering		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer – FL	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Florida Section AWWA, American Membrane Technology Association, South Eastern Desalting Association, SEDA Board of Directors, AMTA, WEF, FWEA			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	Stormwater Pump Station and Transmission Main, Altamonte Springs, FL	2007	2007
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE City client manager: Responsible for delivery of the critical Integrated Reuse and Stormwater Treatment Components of this innovative alternative water supply project including funding from multiple state agencies and coordination between multiple municipalities.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	Seminole Tribe Reservation WTP Improvements, Hollywood, FL	2014	2014
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Client Manager in charge of providing planning, evaluation design and construction related services to the Seminole Tribe to rehab, repair, and update multiple WTP's within three South Florida reservations.	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	Seminole County Major WTP Upgrades, Seminole County, FL	2014	2014
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Program project manager for the complete delivery of two \$25M Water Treatment Plant Improvement and project including development testing design and construction of treatment upgrades for two of the county's major water treatment plants.	<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	Rangeline Transmission Mains, Port St. Lucie, FL	2009	2009
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager for the design, permitting, bidding, and construction management services for the installation of over 25,820 linear feet of a 24" to 42" transmission mains using open trench HDD as well as J&B installation methods.	<input checked="" type="checkbox"/> Check if project performed with current firm	
e.	Rangeline Storage & Repump Station, Port St. Lucie, FL	2013	2013
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager: Responsible for delivering the first phase of the 30-mgd reverse osmosis water treatment facility. The project included planning integration, design permitting and construction services for this 27-acre site complete with multiple stakeholders and permitting coordination.	<input checked="" type="checkbox"/> Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME C. ROBERT REISS, Ph.D., P.E.	13. ROLE IN THIS CONTRACT Quality Assurance Water Task Leader	14. YEARS OF EXPERIENCE	
		a. TOTAL 22	b. WITH CURRENT FIRM 15

15. FIRM NAME AND LOCATION (City and State)

Reiss Engineering, Inc. / Winter Springs, FL

16. EDUCATION (DEGREE AND SPECIALIZATION)

Ph.D., Environmental Engineering

M.S., Environmental Engineering

B.S., Environmental Engineering / B.S., Civil Engineering

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

Professional Engineer – FL

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

AWWA, the AWWA National Membrane Processes Committee, the American Membrane Technology Association, AMTA Board of Directors, the Water Environmental Federation, and the Southeast Desalting Association.

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	Wastewater Master Plan Updates, Melbourne, FL	2009	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager: Responsible for updating the assessment of the City's needs. One specific approach was developing a hydraulic model to simulate wastewater gravity mains, force mains and lift stations.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	City of Tampa Potable Water Master Plan, Tampa, FL	2011	2011
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager: Performed capacity and R&R capital project identification and prioritization for City of Tampa's \$800,000,000 6-year CIP.	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	Seminole County Major WTP Upgrades, Seminole County, FL	2014	2014
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Program project manager for the complete delivery of two \$25M Water Treatment Plant Improvement and project including development testing design and construction of treatment upgrades for two of the county's major water treatment plants.	<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	Midport Storage & Repump Station, Port St. Lucie, FL	2011	2011
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager: Responsible for the design of the upgraded Storage and Repump Station including new tanks pumping station, chemical systems, electrical and SCADA system replacement.	<input checked="" type="checkbox"/> Check if project performed with current firm	
e.	Clearwater Potable Water Distribution System Interconnect Optimization, Clearwater, FL	2012	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager: Assisted in evaluating the most effective way to utilize the interconnects throughout the distribution system using the City's potable water hydraulic model.	<input checked="" type="checkbox"/> Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS OF EXPERIENCE	
MARK A. BURGESS, P.E., BCEE	QA/QC Wastewater Evaluation	a. TOTAL	b. WITH CURRENT FIRM
		29	<1

15. FIRM NAME AND LOCATION (City and State)
Reiss Engineering, Inc. / Winter Springs, FL

16. EDUCATION (DEGREE AND SPECIALIZATION)	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
B.S. – Environmental Engineering, University of FL B.A. – Biology, University of Louisville	Professional Engineer – FL

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Board Certified Environmental Engineer (BCEE), American Water Works Association, Water Environment Federation, Solid Waste Association of N.America, American Society of Civil Engineers

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	Water Authority of Volusia (WAV) Regional Master Water Plan, Volusia County, FL (4) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Client Service Manager and Project Director, for preparing regional master water plan. Services included special meetings, presentations, workshops, and decision modeling using STELLA and Criterion Decision Plus (CDP), to evaluate water supply alternatives that included surface water sources, new brackish and fresh groundwater sources, municipal interconnections, conservation, and water reclamation.	2012	N/A
		<input type="checkbox"/>	Check if project performed with current firm
b.	Lift Station 248 Odor Control Evaluation and Design, Orlando, FL (4) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Client Service Manager: Mr. Burgess was part of the team that assessed the existing chemical scrubbers at LS 45 and LS 248 in September 2007 and presented its recommendations in an April 2008 report: Odor Investigation Study for Wastewater Interceptors.	2013	N/A
		<input type="checkbox"/>	Check if project performed with current firm
c.	Biosolids Dewatering Pilot Study and Regional Biosolids Management Study, Orange County, FL (4) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Client Service Manager: Mr. Burgess oversaw vendor coordination, data compilation, and preparation of a pilot study report on the findings and co-authored a paper on the study findings.	2013	N/A
		<input type="checkbox"/>	Check if project performed with current firm
d.	Wastewater Treatment Plant (WWTP) Upgrades and Expansion, Ormond Beach, FL (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Officer-in-Charge: The second stage expanded the plant from 6 to 8 mgd and included additional electrical and supervisory control and data acquisition (SCADA) system upgrades, odor control for solids handling, and administration facility improvements.	2013	2013
		<input type="checkbox"/>	Check if project performed with current firm
e.	Deep Creek and Lake Ashby Alternative Water Supply Conceptual Design Evaluation, Volusia County, FL (4) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Client Service Manager for a conceptual design and evaluation to determine the feasibility of integrating surface water sources, treatment, and storage at a County-proposed property.	2012	N/A
		<input type="checkbox"/>	Check if project performed with current firm

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME		13. ROLE IN THIS CONTRACT		14. YEARS OF EXPERIENCE	
KELCIA D. MAZANA, E.I.		Distribution and Collection Modeling Task Leader		a. TOTAL 14	b. WITH CURRENT FIRM 11
15. FIRM NAME AND LOCATION (City and State)					
Reiss Engineering, Inc. / Winter Springs, FL					
16. EDUCATION (DEGREE AND SPECIALIZATION)			17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)		
M.S.E. Environmental Eng. and B.S.E. Environmental Eng.			N/A		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)					
Society of Women Engineers, American Water Works Association					
19. RELEVANT PROJECTS					
a.	(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED		
	Water Delivery and Wastewater Collection Master Plan Project, Port St. Lucie, FL		PROFESSIONAL SERVICES 2013	CONSTRUCTION (If applicable) N/A	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer: Responsibilities include water, wastewater and reuse system hydraulic model update and development, alternative development and evaluations extended period simulations water quality analysis modeling and report development.		<input checked="" type="checkbox"/>	Check if project performed with current firm	
b.	(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED		
	Potable Water Distribution System Interconnect Optimization, Clearwater, FL		PROFESSIONAL SERVICES 2012	CONSTRUCTION (If applicable) N/A	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager: Responsibilities include water system hydraulic modeling, alternative development and evaluations, extended period simulations, operations optimization and report development.		<input checked="" type="checkbox"/>	Check if project performed with current firm	
c.	(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED		
	Cypress Lake Planning Preparation, St. Cloud, FL		PROFESSIONAL SERVICES 2013	CONSTRUCTION (If applicable) N/A	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer for a hydraulic model update project. Responsibilities include project management, water system hydraulic model update, and operations programming.		<input checked="" type="checkbox"/>	Check if project performed with current firm	
d.	(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED		
	Potable Water Distribution Quality Improvements: Pipe Replacement/ Rehabilitation Quality Tracking and Compliance, Sanford, FL		PROFESSIONAL SERVICES 2012	CONSTRUCTION (If applicable) N/A	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager: Responsibilities include project management, extended period simulations water quality analysis modeling and Florida Department of Environmental Protection stimulus grant funding report development.		<input checked="" type="checkbox"/>	Check if project performed with current firm	
e.	(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED		
	Water Hydraulic Modeling Services, Sanford, FL		PROFESSIONAL SERVICES 2012	CONSTRUCTION (If applicable) N/A	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer: Responsibilities include water hydraulic modeling services for model calibration using extended period simulation and steady state simulations of the distribution system and other modeling evaluations including high service pump calibrations, water age analysis, and Stage 2 Disinfection By-Product Rule implementation planning.		<input checked="" type="checkbox"/>	Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS OF EXPERIENCE	
BRANDON C. BRYANT, P.E.	Hydraulic Modeling & Water Conservation	a. TOTAL	b. WITH CURRENT FIRM
		7	7

15. FIRM NAME AND LOCATION (City and State)

Reiss Engineering, Inc. / Winter Springs, FL

16. EDUCATION (DEGREE AND SPECIALIZATION)

B.S.E. Civil Engineering

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

Professional Engineer – FL

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

American Water Works Association; Florida Water Environment Association

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	Hydraulic Modeling Services, Orange County, FL (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer Updated the Wastewater, Potable Water and Reclaimed Water demands for each of the three hydraulic models. Utilized OCU GIS data to assign new pump station area boundaries to unmatched pump station locations for the wastewater demands. Reclaimed water master meter boundary locations and reclaimed water customer information from OCU customer billing system, linking pertinent customer account information to a spatial location, were updated.	<input checked="" type="checkbox"/> Check if project performed with current firm	2012 N/A
b.	Southern Regional Hydraulic Modeling, Orange County, FL (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer for upgrading OCU's hydraulic model with water quality modeling capabilities, field calibrated, and used the model to optimize water age, disinfectant residuals and DBPs. Performed quality and capacity modeling to support design of new 17 mgd ground water treatment facility.	<input checked="" type="checkbox"/> Check if project performed with current firm	2010 N/A
c.	Polk County Comprehensive Water Supply Plan, Polk County, FL (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer for developing a 20 Year Integrated Water Supply Plan for Polk County Utilities six (6) service areas and for the counties 17 local government municipalities. The report reviewed historical demands, developed detailed demand projections and established the deficits by demands and by year for the planning period.	<input checked="" type="checkbox"/> Check if project performed with current firm	2012 N/A
d.	WRWS Flow Projection/Hydraulic Model Update/GIS Conversion, Orange County, FL (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer for completing an update of the WRWS flow projections and hydraulic model using GIS, matching water meter database addresses with GIS parcel addresses. Flow projections were based on GIS land use, zoning and building information.	<input checked="" type="checkbox"/> Check if project performed with current firm	2011 N/A
e.	Ocoee Elementary Development Review, Ocoee, FL (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Reviewed draft water utility plans for the new school.	<input checked="" type="checkbox"/> Check if project performed with current firm	2011 N/A

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS OF EXPERIENCE	
MATTHEW S. GREWE	Hydraulic Modeling & Uni-Directional Flushing	a. TOTAL 6	b. WITH CURRENT FIRM 6

15. FIRM NAME AND LOCATION (City and State)

Reiss Engineering, Inc. / Winter Springs, FL

16. EDUCATION (DEGREE AND SPECIALIZATION)

M.S., Environmental Engineering
B.S., Environmental Science

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

N/A

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

American Water Works Association

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	Unidirectional Flushing Program Design and Implementation, Seminole County, FL (4) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager for a unidirectional flushing program for Seminole County's 11 service areas. Responsibilities include program management planning, zone prioritization, public notification planning, hydraulic analyses, sequences design and map updates and report development.	Ongoing	N/A
		<input checked="" type="checkbox"/>	Check if project performed with current firm
b.	Unidirectional Flushing Program Implementation, Melbourne, FL (4) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer for a unidirectional flushing program implementation project to address increased customer complaints. Responsibilities include program management planning, zone prioritization, public notification planning, hydraulic analyses, sequences design and map updates and report development.	2010	N/A
		<input type="checkbox"/>	Check if project performed with current firm
c.	Water Quality Master Plan Update and Capital Improvement Plan, Casselberry, FL (4) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Completed a water quality update to the City's utilities water master plan to evaluate the utilities water quality issues, water supply plans, and schedule capital improvement projects for the next 20 years.	2012	N/A
		<input checked="" type="checkbox"/>	Check if project performed with current firm
d.	Unidirectional Flushing Pilot Program Design, Petersburg, FL (4) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer: responsibilities included project management, UDF design criteria development, UDF design and customized flushing reports developed using MS Access.	2013	N/A
		<input checked="" type="checkbox"/>	Check if project performed with current firm
e.	Water, Wastewater and Reuse Master Plan, Port St. Lucie, FL (4) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer for completing an update to the City's utilities master plan to evaluate the utilities growth over the next 15 years. GIS and hydraulic modeling were used locate future development needs and cost effectively	2012	N/A
		<input checked="" type="checkbox"/>	Check if project performed with current firm

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME		13. ROLE IN THIS CONTRACT		14. YEARS OF EXPERIENCE	
MARC A. CANNATA, P.E.		Infrastructure Assessment & Demand Projections		a. TOTAL	b. WITH CURRENT FIRM
				20	13
15. FIRM NAME AND LOCATION (City and State)					
Reiss Engineering, Inc. / Winter Springs, FL					
16. EDUCATION (DEGREE AND SPECIALIZATION)			17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)		
M.B.A. Business Administration M.S.E. Environmental Engineering			Professional Engineer – FL		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)					
American Water Works Association; Florida Engineering Society; National Society of Professional Engineers					
19. RELEVANT PROJECTS					
a.	(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED		
	Rangeline Transmission Mains, Port St. Lucie, FL		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	
			2009	2009	
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/>	Check if project performed with current firm	
	Project Manager for the design, permitting, bidding, and construction management services for the installation of over 25,820 linear feet of a 24" to 42" transmission mains using open trench HDD as well as J&B installation methods.				
c.	(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED		
	Water Delivery and Wastewater Collection Master Plan Project, Port St. Lucie, FL		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	
			2011	N/A	
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/>	Check if project performed with current firm	
	Project Engineer for a water delivery, wastewater collection and reuse utilities master plan to address an expanding service area, evaluate CIP, and assess the capacity and reliability of key existing infrastructure.				
e.	(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED		
	Water Quality Master Plan Update and Capital Improvement Plan, Casselberry, FL		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	
			2011	N/A	
f.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/>	Check if project performed with current firm	
	QA/QC review of a water quality update to the City's utilities water master plan to evaluate the utilities water quality issues and water supply plans for the next 20 years.				
g.	(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED		
	East Service Area Potable Water and Reclamation Water Storage and Re-Pump Facility, Orange County, FL		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	
			2012	N/A	
h.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/>	Check if project performed with current firm	
	QA/QC review for preliminary engineering and design services to provide potable water, and reclaimed water storage and pumping facilities in the Eastern Service Area to address periods of peak water volume usage, such as fire flow demand.				
i.	(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED		
	Lift Station Improvements, St. Cloud, FL		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	
			2010	N/A	
j.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/>	Check if project performed with current firm	
	Project Manager to assist the City Engineer with design, drawings, and technical specifications on modifications and improvements for City Lift Station 10 and Lift Station 55.				

STANDARD FROM 330 (6/2004) PAGE 2

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME		13. ROLE IN THIS CONTRACT		14. YEARS OF EXPERIENCE	
CHRISTOPHE M. ROBERT, PH.D., P.E.		Water Quality		a. TOTAL	b. WITH CURRENT FIRM
				16	12
15. FIRM NAME AND LOCATION (City and State)					
Reiss Engineering, Inc. / Winter Springs, FL					
16. EDUCATION (DEGREE AND SPECIALIZATION)			17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)		
Ph.D., Environmental Engineering M.S.E., Chemical Engineering			Professional Engineer – Florida		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)					
American Water Works Association					
19. RELEVANT PROJECTS					
a.	(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED		
	RO WTP Expansion Conceptual Design, Vero Beach, FL		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	
			2012	N/A	
b.	(4) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		Check if project performed with current firm		
	Process Engineer for preparing the conceptual design of the Reverse Osmosis Water Treatment Plant expansion to offset the reduced capacity of the Lime Softening Plant.		<input checked="" type="checkbox"/>		
c.	(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED		
	Big Cypress Pilot Study, Seminole Tribe, FL		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	
			2013	N/A	
d.	(4) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		Check if project performed with current firm		
	Project Manager and Process Engineer for performing a reverse osmosis pilot study to evaluate the performance of different membranes to replace the nanofiltration membranes at the Big Cypress WTP.		<input checked="" type="checkbox"/>		
e.	(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED		
	Seminole County Southeast Regional Water Treatment Plant Pilot Study, Seminole County, FL		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	
			2011	N/A	
f.	(4) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		Check if project performed with current firm		
	Process Engineer for a pilot study at a 19.4 MGD Water Treatment Plant to determine the effectiveness of advanced water treatment technologies, such as ozone, granular activated carbon (GAC), ion-exchange resin (MIEX), and nanofiltration membranes (NF), to remove sulfides and meet the County's goal for DBP formation (60 ppb THM and 40 ppb HAA).		<input checked="" type="checkbox"/>		
g.	(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED		
	Water Master Plan, Melbourne, FL		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	
			2010	N/A	
h.	(4) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		Check if project performed with current firm		
	Process Engineer for performing an investigation of the City's water treatment plant to optimize production and storage while still meeting the primary disinfection requirements (CT).		<input checked="" type="checkbox"/>		
i.	(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED		
	Replacement of WTP#1, St. Cloud, FL		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	
			2010	N/A	
j.	(4) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		Check if project performed with current firm		
	Process Engineer for the MIEX pilot study. The pilot study was to assess organic removal in order to reduce DBP formation in the distribution system and comply with Stage 2 D/DBPR requirements.		<input checked="" type="checkbox"/>		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS OF EXPERIENCE	
CURTIS I. KUNIHIRO, P.E., BCEE	Residuals Management	a. TOTAL	b. WITH CURRENT FIRM
		36	3

15. FIRM NAME AND LOCATION (City and State)

Reiss Engineering, Inc. / Winter Springs, FL

16. EDUCATION (DEGREE AND SPECIALIZATION)

B.S., Chemical Engineering

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

Professional Engineer – FL

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Water Environment Federation; Florida Water Environment Association; American Academy of Environmental Engineers

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	Polk County NWR WWTF Rehabilitation, Polk County, FL	Ongoing	N/A
	(4) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE QA/QC officer for the design, permitting, bidding and construction services on the rehabilitation improvements for Polk County's Northwest Regional Wastewater Treatment Facility Upgrades.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	Parkway Water Reclamation Facility Upgrades, Tohopekalgia Water Authority, Kissimmee, FL	2009	N/A
	(4) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project manager responsible for the upgrades replacing the influent screen and grit remover equipment, refurbishing aerobic digester tanks, replacing aeration system in the aerobic digesters, replacing electrical gear, providing a SCADA network with remote communication.	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	Apopka Water Reclamation Facility, Apopka, FL	2010	N/A
	(4) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project manager responsible for the city's existing WRF from 4.5 to 8-mgd AADF capacity, including aerobic digestion, biosolids dewatering, and solar sludge drying. Team members evaluated the use of membrane bioreactors and UV disinfection, as well as advanced treatment methods to create Class AA biosolids.	<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	South WRF Phases IV A and IV B Expansion, Orange County, FL	2005	N/A
	(4) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project engineer responsible for Phase IV B Solids Handling Improvements, which included installation of two gravity belt thickeners to replace existing DAF thickeners, relocation of four existing belt filter presses	<input type="checkbox"/> Check if project performed with current firm	
e.	Rotonda Water Reclamation Facility (WRF) Expansion, Charlotte County, FL	2009	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project engineer responsible for preliminary design, for expansion and treatment upgrade. This project includes biosolids storage, and truck loading facility.	<input type="checkbox"/> Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME KATHLEEN N. GIEROK, P.E.		13. ROLE IN THIS CONTRACT Master Planning & Aquifer Storage & Retrieval		14. YEARS OF EXPERIENCE a. TOTAL <div style="text-align: center;">21</div> b. WITH CURRENT FIRM <div style="text-align: center;">3</div>	
15. FIRM NAME AND LOCATION (City and State) Reiss Engineering, Inc. / Winter Springs, FL					
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S., Environmental Engineering			17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer – FL		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Member American Society of Engineers, Florida Engineering Society					
19. RELEVANT PROJECTS					
a.	(1) TITLE AND LOCATION (City and State) Polk County NWRUSA ASR System Design Construction Inspection, Polk County, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES Ongoing		CONSTRUCTION (If applicable) Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager for the design and construction services including onsite construction inspections, general construction management and observation duties as well as contractor coordination to facilitate successful implementation of the world's deepest ASR well. Serving as the Engineer of Record for the project's permitting and certification activities.		<input checked="" type="checkbox"/>	Check if project performed with current firm	
b.	(1) TITLE AND LOCATION (City and State) Polk County NWRUSA Plant Upgrades, Polk County, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2006		CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager for the design, permitting, construction administration of the expansion of the NWR WWTF's effluent disposal and reuse capacity from 1.5 MGD to 3.0 MGD.		<input checked="" type="checkbox"/>	Check if project performed with current firm	
c.	(1) TITLE AND LOCATION (City and State) S.R. 17 Water and Wastewater Utility Main Relocation and Replacement Design, Haines City, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES Ongoing		CONSTRUCTION (If applicable) Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager for the design and construction of approximately 8,000 linear feet of 8-inch, 10-inch, and 16-inch water main pipe, and 3,700 linear feet of 8-inch wastewater force main pipe.		<input checked="" type="checkbox"/>	Check if project performed with current firm	
d.	(1) TITLE AND LOCATION (City and State) Central Region Utility Service Area (CRUSA) Master Wastewater Pumping Station and Forcemain, Polk County, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2008		CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Engineer of Record for the design of a 2.5 MGD wastewater pumping station and 3 miles of 16-inch force main from the County's CRUSA WWTF to the City of Bartow's wastewater force main.		<input checked="" type="checkbox"/>	Check if project performed with current firm	
e.	(1) TITLE AND LOCATION (City and State) Mourning Dove WTP Sludge Thickener Rehabilitation Evaluation, Titusville, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2011		CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager to evaluate the current condition, needed improvements and related costs of the rehabilitation of the Mourning Dove Water Treatment Plant.		<input type="checkbox"/>	Check if project performed with current firm	

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E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person.)			
12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS OF EXPERIENCE	
JAMES R. MURIN, JR., P.E.	Master Planning and Wastewater	a. TOTAL 21	b. WITH CURRENT FIRM 9
15. FIRM NAME AND LOCATION (City and State) Reiss Engineering, Inc. / Winter Springs, FL			
16. EDUCATION (DEGREE AND SPECIALIZATION) M.S.E., Environmental Engineering B.S., Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer – FL	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) American Mechanical Engineers Society, Water Environment Federation			
19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION (City and State) Wastewater Master Plan, Seminole County, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2008	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager: Responsible for development of wastewater collection, transmission, treatment and disposal 25-year master plan for County, included numerous modeling, treatment evaluation, and CIP planning tasks.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	(1) TITLE AND LOCATION (City and State) Comprehensive Water Supply Plan, Polk County, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2009	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE QA/QC reviewer for formal water supply plan, and associated documents, prepared in conjunction with Polk County Utilities and the 17 City-owned utilities within the County.	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	(1) TITLE AND LOCATION (City and State) Greenwood Lakes WRF Improvements, Seminole County, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2012	CONSTRUCTION (If applicable) 2012
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Principal-in-Charge: Provided mechanical system design and expansion of a 3.5 MGD wastewater reclamation facility. Process improvements included advanced nitrogen removal, installation of deep-bed filtration, and enhancement of aeration system and controls.	<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	(1) TITLE AND LOCATION (City and State) Wastewater Treatment Plant Expansion Design, Live Oak, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2006	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager: In support of prime consulting firm in the design of expanded wastewater treatment facilities.	<input checked="" type="checkbox"/> Check if project performed with current firm	
e.	(1) TITLE AND LOCATION (City and State) Wastewater Treatment Plant Expansion Design Ft. Walton Beach, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2006	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager: In support of prime consulting firm in the design of expanded wastewater treatment facilities, including conversion to MLE process and improvements to sludge dewatering system. Project included engineering design and CADD support for identified facilities.	<input checked="" type="checkbox"/> Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME PAUL HILLERS, P.E.	13. ROLE IN THIS CONTRACT Electrical Engineer	14. YEARS OF EXPERIENCE	
		a. TOTAL 33	b. WITH CURRENT FIRM 20

15. FIRM NAME AND LOCATION (City and State) Hillers Electrical Engineering, Inc. / Boca Raton, FL

16. EDUCATION (DEGREE AND SPECIALIZATION) BSEE, Electrical Engineering MSEE, Electrical Engineering	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer - FL
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Institute of Electrical and Electronic Engineers (IEEE), Instrument Society of America (ISA)

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	Water Utilities Department SRWRF Digester Biogas Renewable Energy Project, Palm Beach, FL	PROFESSIONAL SERVICES 2012	CONSTRUCTION (If applicable) 2013
a.	(4) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager –Design all power and control systems for the integration of the gas conditioning skid and renewable generators into existing plant facilities.	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Water Utilities SROC Deep Injection Well Modifications, Palm Beach, FL	PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable) 2013
b.	(5) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager for the design of approximately 1,700 linear feet of 8-inch water main pipe and 8-inch gravity sewer pipe.	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Water Utilities SRWRF Generator Switchgear and Electrical Reliability Improvements, Palm Beach, FL	PROFESSIONAL SERVICES 2007	CONSTRUCTION (If applicable) 2009
c.	(4) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager – Performed electrical design engineering, construction management and start-up assistance services for the addition of a second path of emergency power to the existing main 5kV switchgear from the existing generator paralleling switchgear.	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Water Utilities WTP 2 MIEX Treatment Plant, Palm Beach, FL	PROFESSIONAL SERVICES 2010	CONSTRUCTION (If applicable) 2011
d.	(5) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager– Designed the electrical distribution for the MIEX treatment process including new power panel, Mini-power zone, starters in MCC, new lighting, lightning protection. Designed the variable frequency drive for the MIEX mixers.	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Conserv II Water Reclamation Facility Master Pump Station and Flow Equalizer Pump Station, Orlando, FL	PROFESSIONAL SERVICES 2010	CONSTRUCTION (If applicable) 2012
e.	(4) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager – Provided electrical design and construction inspection services for construction of a new Master Pump Station and converting existing Master Pump Station to Flow Equalization Pump Station at City of Orlando – Conserv II Water Reclamation Facility.	<input checked="" type="checkbox"/> Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME MARK LUTHER, P.E.		13. ROLE IN THIS CONTRACT Electrical Engineer		14. YEARS OF EXPERIENCE a. TOTAL <div style="text-align: center;">26</div> b. WITH CURRENT FIRM <div style="text-align: center;">16</div>	
15. FIRM NAME AND LOCATION (City and State) Hillers Electrical Engineering, Inc. / Boca Raton, FL					
16. EDUCATION (DEGREE AND SPECIALIZATION) BSEE, Electrical Engineering			17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer - FL		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Proficiency with SKM Power Tools® for Windows DAPPER, CAPTOR, Arc Flash and TMS; AutoCAD, LitePRO and various generator sizing programs.					
19. RELEVANT PROJECTS					
a.	(1) TITLE AND LOCATION (City and State) Palm Beach County Water Utilities Department SRWRF Digester Biogas Renewable Energy Project, FL		(2) YEAR COMPLETED PROFESSIONAL SERVICES <div style="text-align: center;">2012</div> CONSTRUCTION (If applicable) <div style="text-align: center;">2013</div>		
	(5) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Lead Electrical, Instrumentation & Control Engineer –provided electrical, instrumentation and control engineering, construction observation and start-up and testing assistance services.		<input checked="" type="checkbox"/> Check if project performed with current firm		
b.	(1) TITLE AND LOCATION (City and State) Palm Beach County Water Utilities SROC Deep Injection Well Modifications, FL		(2) YEAR COMPLETED PROFESSIONAL SERVICES <div style="text-align: center;">2011</div> CONSTRUCTION (If applicable) <div style="text-align: center;">2013</div>		
	(6) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Lead Electrical, Instrumentation & Control Engineer – Hillers Electrical Engineering provided electrical, instrumentation and control engineering, construction observation and start-up and testing assistance services for the re-configuration of the Plant 3/SROC injection well system.		<input checked="" type="checkbox"/> Check if project performed with current firm		
c.	(1) TITLE AND LOCATION (City and State) Palm Beach County Water Utilities SRWRF Generator Switchgear and Electrical Reliability Improvements, FL		(2) YEAR COMPLETED PROFESSIONAL SERVICES <div style="text-align: center;">2007</div> CONSTRUCTION (If applicable) <div style="text-align: center;">2009</div>		
	(5) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Lead Electrical Engineer – Performed electrical design engineering, construction management and start-up assistance services for the addition of a second path of emergency power to the existing main 5kV switchgear from the existing generator paralleling switchgear.		<input checked="" type="checkbox"/> Check if project performed with current firm		
d.	(1) TITLE AND LOCATION (City and State) Palm Beach County Water Utilities SRWRF Head Works Bypass, FL		(2) YEAR COMPLETED PROFESSIONAL SERVICES <div style="text-align: center;">2013</div> CONSTRUCTION (If applicable) <div style="text-align: center;">2013</div>		
	(6) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Lead Electrical, Instrumentation and Control Engineer – Designed electrical, instrumentation and control systems for the addition of alternate means of plant influent routing around Head Works/Pre-Treatment Building.		<input checked="" type="checkbox"/> Check if project performed with current firm		
e.	(1) TITLE AND LOCATION (City and State) City of Sunrise – Sawgrass WTP 5.0 MGD Reverse Osmosis WTP, FL		(2) YEAR COMPLETED PROFESSIONAL SERVICES <div style="text-align: center;">2011</div> CONSTRUCTION (If applicable) <div style="text-align: center;">N/A</div>		
	(5) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Lead Electrical, Instrumentation & Control Engineer for the design of a 5.0 MGD Reverse Osmosis Water Treatment Plant to the existing Nanofiltration facility.		<input checked="" type="checkbox"/> Check if project performed with current firm		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS OF EXPERIENCE	
PAUL M. STOUT, PH.D., P.E.	Hydrogeologist Engineer	a. TOTAL	b. WITH CURRENT FIRM
		29	11

15. FIRM NAME AND LOCATION (City and State)

JLA Geosciences, Inc. / Jupiter, FL

16. EDUCATION (DEGREE AND SPECIALIZATION)

Doctor of Philosophy – Earth Sciences, Scripps Institution of Oceanography, University California, San Diego
Master of Science – Geology, Duke University

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

Professional Geologist - FL

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Publications and presentations

Stout, P.M., and others, 2007. In-situ alkalinity stabilization pilot study, UNC Church Rock Site, Gallup, New Mexico, (abs.) GSA Annual Meetings, October, 2007.

Stout, P.M., Stout, D.J., and French, C., 1997. Molybdenum geochemistry and migration in ground water at an industrial facility in northwest Indiana., SETAC 18th Annual Mtg.

Coale, K.H., Johnson, K.S., Stout, P.M., and Sakamoto, C.M., 1992. Determination of copper in sea water using a flow-injection method with chemiluminescence detection, Anal. Chim. Acta., v. 266, p. 345-351.

Baker, P.A., Stout, P.M., Kastner, M., and Elderfield, H., 1991. Large-scale advection of seawater through oceanic crust in the central equatorial Pacific, Earth Planet. Sci. Lett., v. 105, p. 522-533.

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	Senior Hydrogeologist, Palm Beach County, FL	2012	2013
	(6) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Development and application of SEAWAT variable-density groundwater model to address historical and potential future saline intrusion for the Town of Lake Worth.	<input checked="" type="checkbox"/> X	Check if project performed with current firm
b.	Senior Hydrogeologist, Palm Beach County, FL	2011	2013
	(7) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Development and application of SEAWAT variable-density groundwater model to address historical and potential future saline intrusion for the Lake Region Floridan Aquifer System (FAS) wellfield.	<input checked="" type="checkbox"/> X	Check if project performed with current firm
c.	Senior Hydrogeologist, Martin County, FL	2007	2009
	(6) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Performed SEAWAT variable-density groundwater flow and transport modeling to evaluate proposed operations of deep injection wells within Floridan Aquifer System (FAS) for Martin County Utilities.	<input checked="" type="checkbox"/> X	Check if project performed with current firm
d.	Senior Hydrogeologist, Martin County, FL	2013	2013
	(7) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Geochemical evaluation and SEAWAT variable-density groundwater modeling to address historical saline intrusion for South Martin Regional Utilities.	<input checked="" type="checkbox"/> X	Check if project performed with current firm

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS OF EXPERIENCE	
JAMES L. ANDERSEN, P.G.	Hydrogeologist Engineer	a. TOTAL	b. WITH CURRENT FIRM
		29	11

15. FIRM NAME AND LOCATION (City and State)
JLA Geosciences, Inc. / Jupiter, FL

16. EDUCATION (DEGREE AND SPECIALIZATION)	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
Bachelors of Science, Geology, Florida Atlantic University	Professional Geologist - FL

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Publications and Presentations: Andersen, J.L., 2004, Wells and Groundwater Quality, article written for the Southeastern Desalting Association, first quarter publication "Recovery Zone"

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	Principal Hydrogeologist/ Project Hydrogeologist, Palm Beach County Water Utilities Department WTP 9 Wellfield Expansion of 6 Production Wells, Boca Raton, FL	2010	2012
	(7) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Hydrogeologist: Project included performing well site evaluations to locate six (6) new planned public water supply wells for System 9 Water Treatment Plant, performed environmental site assessments.	<input checked="" type="checkbox"/> X	Check if project performed with current firm
b.	Principal Hydrogeologist/ Project Hydrogeologist, Palm Beach County Water Utilities Department, Glades Utility Authority Floridan Aquifer RO Supply well PW-8, FL	2011	2013
	(8) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Hydrogeologist: The completed well met the design pumping rate of 900 gallons per minute with excellent water quality, meeting and exceeding reverse osmosis treatment parameters.	<input checked="" type="checkbox"/> X	Check if project performed with current firm
c.	Principal Hydrogeologist/Project Hydrogeologist, Seacoast Utility Authority, Injection Well IW-1 Mechanical Integrity Testing, Palm Beach Gardens, Palm Beach, FL	2010	N/A
	(7) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Hydrogeologist: Provided hydrogeologic consulting services for the five year mechanical integrity testing (MIT) of the Seacoast Utility Authority (SUA) PGA WWTP Injection well IW-1.	<input checked="" type="checkbox"/> X	Check if project performed with current firm
d.	Principal Hydrogeologist/Project Hydrogeologist, Town of Jupiter Surficial Aquifer Wellfield Rehabilitation, Jupiter, Palm Beach, FL	2007	N/A
	(8) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Hydrogeologist: Managed and oversaw the rehabilitation and improvement of numerous Surficial Aquifer wells for the Town of Jupiter.	<input checked="" type="checkbox"/> X	Check if project performed with current firm
e.	Principal Hydrogeologist/Project Hydrogeologist, FPL West County Energy Center Upper Floridan Aquifer Wellfield, Loxahatchee, Palm Beach, FL	2009	2009
	(6) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Hydrogeologist: Project included design, construction and testing of four (4) new 24-inch diameter FRP Upper Floridan aquifer wells.	<input checked="" type="checkbox"/> X	Check if project performed with current firm

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME DAVID MCNABB, P.G.	13. ROLE IN THIS CONTRACT Hydrogeologist Engineer	14. YEARS OF EXPERIENCE	
		a. TOTAL 22	b. WITH CURRENT FIRM 8

15. FIRM NAME AND LOCATION (City and State) McNabb Hydrogeologic Consulting, Inc. / Jupiter, FL

16. EDUCATION (DEGREE AND SPECIALIZATION) Master of Science, Geology	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Florida Professional Geologist
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	Florida Power & Light Turkey Point Exploratory Well Homestead, FL	2012	2012
	(5) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Hydrogeologist: Project Manager. Mr. McNabb provided design, permitting and construction oversight services for an exploratory well and associated dual-zone monitor well at the FPL Turkey Point Power Plant.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	Fort Pierce Utilities Authority Mainland WRF Deep Injection Well Operating Permit, Fort Pierce, FL	2012	N/A
	(5) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager: Mr. McNabb provided deep injection well operating permitting services for the Mainland Water Reclamation Facility deep injection well system.	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	Lake Worth Industrial Deep Injection Well System, Lake Worth, FL	2011	2011
	(5) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager: Mr. McNabb provided design, permitting and construction oversight of the injection well system at the City of Lake Worth Reverse-Osmosis Water Treatment Plant.	<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	Immokalee Water and Sewer District Deep Injection Well MIT, Immokalee, FL	2011	2011
	(5) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager: Mr. McNabb provided mechanical integrity testing professional services for the deep injection well at the Immokalee Water and Sewer District wastewater treatment plant. The project was completed one time with no change orders.	<input checked="" type="checkbox"/> Check if project performed with current firm	
e.	City of West Palm Beach East Central Regional WWTP Dual-Zone Monitor Wells, West Palm Beach, FL	2009	2009
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mr. McNabb provided the construction oversight of 3 approximately 2,300-foot deep dual-zone monitor wells and the East Central Regional Water Reclamation Facility. The project included plugging and abandonment of 3 monitoring tubes that were no longer in service.	<input checked="" type="checkbox"/> Check if project performed with current firm	


F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <div>1</div>																													
21. TITLE AND LOCATION (City and State) Water Delivery and Wastewater Collection Master Plan (included a Reuse Master Plan), Port St. Lucie, FL		22. YEARS COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If Applicable)</td> </tr> <tr> <td>2013</td> <td>N/A</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)	2013	N/A																								
PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)																														
2013	N/A																														
23. PROJECT OWNER'S INFORMATION																															
a. PROJECT OWNER City of Port St. Lucie		b. POINT OF CONTACT NAME Mr. Brad Macek																													
		c. POINT OF CONTACT TELEPHONE NUMBER 772.873.6412																													
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost) <p>Reiss Engineering has provided master planning services to the City of Port St. Lucie. The City had an immediate need for a water delivery, wastewater collection and reuse utilities master plan to address an escalating population service area and to assess the capacity and reliability of key, existing infrastructure. As part of this Master Planning effort the City continued the development and updating of the water, wastewater and reuse hydraulic models. The Master planning was needed to ensure cost-effective service to existing and future customers and was the basis for millions in capital improvements. The City recently expanded its water supply facilities and is in the process of expanding wastewater treatment and water reclamation facilities. Reiss Engineering's accelerated component of the total Master Utilities Plan focused on potable water delivery, wastewater collection and reuse delivery. Water delivery components include potable water and reuse product storage, high service pumping and transmission/ distribution piping.</p> <p>As part of this project, valuable planning and operational tools including water, wastewater and reuse hydraulic models were developed and updated to assist with the Planning. The project approach and tools included the following innovations:</p> <ul style="list-style-type: none"> Geo-located 47,000 water meters GIS demand/flow allocations and projections Enhance enterprise-wide data management 24-hour extended period simulations Water quality modeling Model 28 MGD WW booster pumping station GIS-based reuse demand and customer management system Flow-through remote storage & repump 																															
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT																															
<table border="1"> <tr> <td rowspan="2">a.</td> <td>(1) FIRM NAME</td> <td>(2) FIRM LOCATION (City and State)</td> <td>(3) ROLE</td> </tr> <tr> <td>Reiss Engineering, Inc.</td> <td>Winter Springs, FL</td> <td>Prime</td> </tr> <tr> <td rowspan="2">b.</td> <td>(1) FIRM NAME</td> <td>(2) FIRM LOCATION (City and State)</td> <td>(3) ROLE</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td rowspan="2">c.</td> <td>(1) FIRM NAME</td> <td>(2) FIRM LOCATION (City and State)</td> <td>(3) ROLE</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td rowspan="2">d.</td> <td>(1) FIRM NAME</td> <td>(2) FIRM LOCATION (City and State)</td> <td>(3) ROLE</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>				a.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE	Reiss Engineering, Inc.	Winter Springs, FL	Prime	b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE				c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE				d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE			
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F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <div>2</div>				
21. TITLE AND LOCATION (City and State) Infrastructure Asset Evaluation of the Mims Public Water System, Brevard County, FL		22. YEARS COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If Applicable)</td> </tr> <tr> <td>2013</td> <td>N/A</td> </tr> </table>	PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)	2013	N/A
PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)					
2013	N/A					
23. PROJECT OWNER'S INFORMATION						
a. PROJECT OWNER Brevard County Utility Services Department	b. POINT OF CONTACT NAME Bob Adolphe	c. POINT OF CONTACT TELEPHONE NUMBER 321.633.2091				
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost) <p>The Brevard County Utility Services Department (USD) owns and operates the Mims Water Treatment Plant (WTP) and associated distribution system facilities which serves approximately 7,300 customers and is located in the northern area of the County.</p> <p>Based on the aging infrastructure, the USD will face a variety of short term and long term challenges with respect to the provision of potable water to its customers. Specific challenges related to USD's Mims WTP and distribution system include an assessment of existing infrastructure integrity and condition for identification of repair and replacement costs which will be necessary over the next 20 years. USD selected the Consultant to perform an Infrastructure Asset Evaluation to identify these costs.</p> <p>The project included a site evaluation of the process and electrical equipment at the WTP, Bar C Booster Station and well sites. The equipment was evaluated for useful life remaining and a schedule for replacement was developed over a 20 year period. The schedule included repair and replacement costs for each year for planning the County's CIP budget. A pipe replacement phasing plan was also developed.</p>						
						
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT						
a.	(1) FIRM NAME Reiss Engineering, Inc.	(2) FIRM LOCATION (City and State) Winter Springs, FL	(4) ROLE Prime			
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(4) ROLE			
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(4) ROLE			
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(4) ROLE			

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <div>3</div>																													
21. TITLE AND LOCATION (City and State) <div>Wastewater Master Plan Updates</div> <div>Seminole County, FL</div>		22. YEARS COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If Applicable)</td> </tr> <tr> <td>2008</td> <td>N/A</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)	2008	N/A																								
PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)																														
2008	N/A																														
23. PROJECT OWNER'S INFORMATION																															
a. PROJECT OWNER <div>Seminole County</div>		b. POINT OF CONTACT NAME <div>Mr. Terry McCue</div>																													
		c. POINT OF CONTACT TELEPHONE NUMBER <div>407.339.6384</div>																													
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)																															
<div> <p>Seminole County (County) operates two wastewater treatment facilities and four primary collection systems. Reiss Engineering, Inc. (Reiss) provided wastewater and reclaimed water master planning services to the Seminole County Environmental Services Department, as part of the County's implementation of over \$300 million in capital improvement projects. Reiss was contracted to provide technical guidance to identify wastewater collection, transmission, treatment, and disposal improvements necessary to maintain utility services.</p> <p>The County contracted Reiss to develop a wastewater master plan, as well as other planning and engineering services to be conducted during completion of treatment plant upgrades. Individual activities completed under this work order included hydraulic model upgrades and calibration, WWTP equalization evaluations, collection system planning, biosolids handling planning, WWTP facility repair and replacement evaluations, effluent disposal planning, and Capital Improvement Plan updates.</p> <p>The Final Updated Wastewater Master Plan contained CIP project identification, costs estimates, model outputs, and recommended treatment facility upgrades that were used to develop final recommendations for the Utility's overall system planning.</p> </div> <div> </div>																															
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT																															
<table border="1"> <tr> <td rowspan="2">a.</td> <td>(1) FIRM NAME</td> <td>(2) FIRM LOCATION (City and State)</td> <td>(5) ROLE</td> </tr> <tr> <td>Reiss Engineering, Inc.</td> <td>Winter Springs, FL</td> <td>Prime</td> </tr> <tr> <td rowspan="2">b.</td> <td>(1) FIRM NAME</td> <td>(2) FIRM LOCATION (City and State)</td> <td>(5) ROLE</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td rowspan="2">c.</td> <td>(1) FIRM NAME</td> <td>(2) FIRM LOCATION (City and State)</td> <td>(5) ROLE</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td rowspan="2">d.</td> <td>(1) FIRM NAME</td> <td>(2) FIRM LOCATION (City and State)</td> <td>(3) ROLE</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>				a.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(5) ROLE	Reiss Engineering, Inc.	Winter Springs, FL	Prime	b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(5) ROLE				c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(5) ROLE				d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE			
a.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(5) ROLE																												
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F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <div>4</div>	
21. TITLE AND LOCATION (City and State) <div>City of Melbourne Wastewater Master Plan Update</div> <div>Melbourne, FL</div>		22. YEARS COMPLETED <div>PROFESSIONAL SERVICES</div> <div>2009</div> <div>CONSTRUCTION (If Applicable)</div> <div>N/A</div>	
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER <div>City of Melbourne</div>		b. POINT OF CONTACT NAME <div>Mr. Harold Nantz, P.E.</div>	
		c. POINT OF CONTACT TELEPHONE NUMBER <div>863.298.4246</div>	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost) <p>The City of Melbourne (City) provides water, wastewater and reuse service to one of the premier communities in Brevard County, as well as several adjacent communities. The City has recently experienced changes in growth and in the economy, which has prompted a need to reevaluate existing capital infrastructure within the City. In response to address some of the critical infrastructure needs to continue to provide safe and reliable service to new and existing customers the City has implemented a Wastewater Collection/Transmission Master Plan project.</p> <p>Reiss Engineering, Inc.'s focus of this Wastewater Collection and Transmission Master Plan was to up-date the assessment of the City's needs. The next step was to develop a capital improvements program (CIP) and an associated schedule that will detail the necessary projects for the City to implement, throughout the planning period that will expand, repair, replace and maintain the wastewater collection system to meet the level of service required by the City, in the most economical manner. The specific approach to the Plan is as follows:</p> <ul style="list-style-type: none"> Processed historical data and assessed existing infrastructure condition, capacity and infiltration and inflow. Developed a 10-year sewer service area, service population projections, septic conversion and sewage flow projections. Developed a hydraulic model to simulate wastewater gravity mains, force mains and lift stations. Developed alternatives to meet future flow projections, schedule repair and replacement and addressed infiltration and inflow. Assessed special conditions including treatment capacity, flow diversion, stand-by power, odor control, corrosion control and telemetry. Developed an Up-Dated 10-Year CIP and implementation support. <p>Based on the results of the master planning effort, Reiss Engineering developed three alternative CIP scenarios in addition to the City's existing, proposed CIP. It was concluded that the most pressing need was to relieve the existing collection system capacity issues, which would take precedent over planned gravity re-lining projects. Prioritizing projects to meet the City's existing wastewater collection budget was selected to help keep wastewater user charges as low as possible over the next two years.</p>			
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME <div>Reiss Engineering, Inc.</div>	(2) FIRM LOCATION (City and State) <div>Winter Springs, FL</div>	(6) ROLE <div>Prime</div>
b.	(1) FIRM NAME 	(2) FIRM LOCATION (City and State) 	(6) ROLE
c.	(1) FIRM NAME 	(2) FIRM LOCATION (City and State) 	(6) ROLE
d.	(1) FIRM NAME 	(2) FIRM LOCATION (City and State) 	(5) ROLE


F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <div>5</div>																													
21. TITLE AND LOCATION (City and State) <div>Wastewater and Reclaimed Water Master Plan</div> <div>St. Cloud, FL</div>		22. YEARS COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If Applicable)</td> </tr> <tr> <td>2006</td> <td>N/A</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)	2006	N/A																								
PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)																														
2006	N/A																														
23. PROJECT OWNER'S INFORMATION																															
a. PROJECT OWNER <div>City of St. Cloud</div>		b. POINT OF CONTACT NAME <div>Ms. Veronica Miller</div>																													
		c. POINT OF CONTACT TELEPHONE NUMBER <div>407.957.7248</div>																													
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost) <div> <p>The City of St. Cloud (City) owns and operates reuse systems within the City's utility service boundary in Osceola County, Florida. The City's utility service area is comprised of approximately 128 square miles and has a vast amount of undeveloped land. A large portion of this area is planned for development that will ultimately quadruple the current population over the next 20 years, drastically increasing the City's potable water customers. The fast growth facing the City was why the city contracted with Reiss Engineering, Inc. to update the City's current master plan.</p> <p>As part of regional water supply planning efforts, the City has committed to continue expanding the existing public access reuse system to provide reuse service to roughly 75 percent of planned developments. Reiss Engineering's objective of this reuse master plan was to identify supply, transmission, pumping and storage needs to cost-effectively continue to expand the City's public access reuse system. Reiss Engineering concluded that the developments currently planned for the City of St. Cloud would significantly increase reuse demand flows from 2 MGD to over 24 MGD over the next 20 years. Long term (about 90 days) storage was required to help meet seasonal variations in reuse demands and utilize nearly 100 percent of the reclaimed water supply for public access reuse. In addition, approximately 15 MGD of augmentation water would be needed by year 2025.</p> <p>Based on the findings and conclusions of the master plan update Reiss Engineering recommended the following:</p> <ul style="list-style-type: none"> Consider implementation of public access reuse to offset potable water demand for new developments in the City's service area. Continue the use of existing spray fields for backup disposal. Fund key infrastructure in development corridors. Finalize permit negotiations and implement Phase 1 Augmentation from East Lake Toho. Investigate the use of aquifer storage and recovery to satisfy seasonal storage requirements. </div>																															
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT																															
<table border="1"> <tr> <td rowspan="2">a.</td> <td>(1) FIRM NAME</td> <td>(2) FIRM LOCATION (City and State)</td> <td>(7) ROLE</td> </tr> <tr> <td>Reiss Engineering, Inc.</td> <td>Winter Springs, FL</td> <td>Prime</td> </tr> <tr> <td rowspan="2">b.</td> <td>(1) FIRM NAME</td> <td>(2) FIRM LOCATION (City and State)</td> <td>(7) ROLE</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td rowspan="2">c.</td> <td>(1) FIRM NAME</td> <td>(2) FIRM LOCATION (City and State)</td> <td>(7) ROLE</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td rowspan="2">d.</td> <td>(1) FIRM NAME</td> <td>(2) FIRM LOCATION (City and State)</td> <td>(6) ROLE</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>				a.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(7) ROLE	Reiss Engineering, Inc.	Winter Springs, FL	Prime	b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(7) ROLE				c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(7) ROLE				d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(6) ROLE			
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	Reiss Engineering, Inc.	Winter Springs, FL	Prime																												
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F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <div>6</div>				
21. TITLE AND LOCATION (City and State) <div>City of Tampa Potable Water Master Plan</div> <div>Tampa, FL</div>		22. YEARS COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If Applicable)</td> </tr> <tr> <td>2012</td> <td>N/A</td> </tr> </table>	PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)	2012	N/A
PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)					
2012	N/A					
23. PROJECT OWNER'S INFORMATION						
a. PROJECT OWNER <div>City of Tampa</div>	b. POINT OF CONTACT NAME <div>Ms. Seung Park, P.E.</div>	c. POINT OF CONTACT TELEPHONE NUMBER <div>813.274.7095</div>				
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost) <div> <p>The Tampa Water Department (TWD) provides treatment and delivery of drinking water to a population of approximately 645,000 people in a service area that encompasses 211 square miles. In addition to providing water service to the residents of the City, the TWD also provides service to portions of unincorporated Hillsborough County and the City of Temple Terrace. TWD's system is regionally connected to Tampa Bay Water with two major finished water connections. The TWD faces the challenge of expanding and maintaining its potable water supply, treatment and transmission infrastructure to continue the high standard of service to its customers. Challenges including managing regional supplies, aging pipes and equipment, new and re-development, more stringent water quality regulations and rising labor and material costs, all of which needed to be addressed to prioritize allocation of the TWD's available funding.</p> <p>To help meet these objectives, Reiss Engineering was contracted by the TWD to prepare a Potable Water Master Plan and 10-Year Facilities Work Plan. This Master Plan provided the TWD with recommended capital improvements and implementation strategies for the next 10-years, designed to meet a 20-year planning horizon (Year 2030). One significant component was the South Tampa/Downtown Tampa water transmission main; 50,000 feet of 48" to 36" water transmission main to replace key aging transmission and serve projected redevelopment in South and Downtown Tampa.</p> </div> <div> EXPERIENCE RELATED TO THIS PROJECT. Experience relevant to this project includes: <ul style="list-style-type: none"> Master Planning Risk Matrix and Priority Assignment Hydraulic modeling software conversion from WaterGems® to InfoWater® Evaluation and hydraulic modeling of regional finished water interconnects with Tampa Bay Water including emergency WTP shutdowns Conceptual design of New Tampa CIAC Transmission main, ~50,000 feet of 48" to 36" water transmission mains through the heart of Tampa to replace aging mains and serve future growth </div> <div>  </div>						
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT						
a.	(1) FIRM NAME <div>Reiss Engineering, Inc.</div>	(2) FIRM LOCATION (City and State) <div>Winter Springs, FL</div>	(8) ROLE <div>Prime</div>			
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(8) ROLE			
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(8) ROLE			
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(4) ROLE			

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <div>7</div>				
21. TITLE AND LOCATION (City and State) <div>Orange County Hydraulic Modeling Services</div> <div>Orange County, FL</div>		22. YEARS COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If Applicable)</td> </tr> <tr> <td>Ongoing</td> <td>N/A</td> </tr> </table>	PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)	Ongoing	N/A
PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)					
Ongoing	N/A					
23. PROJECT OWNER'S INFORMATION						
a. PROJECT OWNER <div>Orange County Utilities</div>	b. POINT OF CONTACT NAME <div>Mr. Michael Hudkins</div>	c. POINT OF CONTACT TELEPHONE NUMBER <div>407.254.9920</div>				
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost) <div>Reiss Engineering continues to provide hydraulic modeling services to Orange County Utilities to update, operate, and utilize potable water, wastewater, and reclaimed water system hydraulic models for master planning and conceptual design purposes. The engineering services include utilization of hydraulic models to support utilities planning, including recommendation of capital improvements projects (including cost estimates), design, operation, and regulatory compliance. Services included in the overall hydraulic modeling services contract include:</div> <div> <div> <div>1. System Data Management and Documentation – integrated the County’s hydraulic models with their geographical information systems (GIS) allowing for seamless model updates.</div> <div>2. Update/Enhancement of Models –utilized the County’s existing transmission model and re-constructed and calibrated the model into a distribution level model with the capabilities of performing water quality analyses for chlorine residual and disinfection by-products.</div> <div>3. Field Troubleshooting Evaluations –performed detailed field investigation of booster pump station’s downstream pressures to identify and resolve pressure fluctuations.</div> <div>4. Hydraulic Model Field Calibration and Verification – performed extensive field sampling and utilization of the County’s water supply facilities’ SCADA system pressures, flows, tank levels, pumps status, pumps speeds, discharge chlorine residuals, THMs, HAAs, as well as, transmission and distribution systems pressures, flows and chlorine residuals for model calibrations.</div> <div>5. System Optimization Evaluations- performed a storage and re-pump evaluation entailing optimization of water quality through modification of the facility’s operation of tank filling and discharging.</div> <div>6. Minor Hydraulic Engineering Analysis-hydraulically evaluated the wastewater transmission system for the County to determine available capacities and potential capacity extending improvements that could more effectively utilize wastewater interconnects.</div> <div>7. Alternative Water Supply Extended Period Water Quality Analysis</div> </div> <div> </div> <div>Reiss brings a unique level of knowledge with respect to the Orange County water distribution system hydraulic model, making integration of all models more seamless as this project is executed.</div> </div>						
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT						
a.	<div>(1) FIRM NAME</div> <div>Reiss Engineering, Inc.</div>	<div>(2) FIRM LOCATION (City and State)</div> <div>Winter Springs, FL</div>	<div>(9) ROLE</div> <div>Prime</div>			
b.	<div>(1) FIRM NAME</div>	<div>(2) FIRM LOCATION (City and State)</div>	<div>(9) ROLE</div>			
c.	<div>(1) FIRM NAME</div>	<div>(2) FIRM LOCATION (City and State)</div>	<div>(9) ROLE</div>			
d.	<div>(1) FIRM NAME</div>	<div>(2) FIRM LOCATION (City and State)</div>	<div>(5) ROLE</div>			

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <div style="text-align: center; font-size: 1.2em;">8</div>																				
21. TITLE AND LOCATION (City and State) <div style="font-size: 1.1em;">Orange County Southern Regional Water Supply Facility, Orange County, FL</div>		22. YEARS COMPLETED <table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">PROFESSIONAL SERVICES 2009</td> <td style="width: 50%;">CONSTRUCTION (If Applicable) N/A</td> </tr> </table>	PROFESSIONAL SERVICES 2009	CONSTRUCTION (If Applicable) N/A																		
PROFESSIONAL SERVICES 2009	CONSTRUCTION (If Applicable) N/A																					
23. PROJECT OWNER'S INFORMATION																						
a. PROJECT OWNER Orange County Utilities	b. POINT OF CONTACT NAME Mr. Michael Hudkins	c. POINT OF CONTACT TELEPHONE NUMBER 407.254.9920																				
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost) <div style="display: flex;"> <div style="flex: 1;"> <p>Transmission Planning and Hydraulic Modeling. Supporting Orange County Utilities' (OCU) design of the Southern Regional WSF this project included updating the proposed transmission pipe model for master planning of the region. The hydraulic model was updated and integrated with GIS information, field calibrated and used to verify routes and sizes for large diameter (up to 42" diameter) transmission pipes. Transmission pipe sized included the discharge mains for the Southern Regional WSF. Reiss Engineering calibrated a dynamic simulation for each of the 17 water facilities and operational regions, including over 70,000 pipes; updated the hydraulic model using the most recent demands; updated the 26 different steady state and dynamic scenarios; calibrated the extended period simulation (EPS) with updated water quality data; and used the distribution hydraulic model to optimize the system for water age, disinfectant residuals and disinfectant by-products for IDSE compliance.</p> <p>Water Distribution Quality Modeling. Jointly developed a plan with OCU to identify specific action items that, when implemented would optimize water quality in OCUs distribution system. Included creation of a plan outlining optimization of water quality within OCU's four largest water service areas; Southern, Eastern, Western and Southwest areas. The plan included a summary of potential water quality issues identified and a detailed plan to optimize water quality parameters including water age, disinfectant residuals and disinfectant by-products.</p> </div> <div style="flex: 1; text-align: center;"> </div> </div>																						
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT																						
<table border="1" style="width: 100%;"> <tr> <th style="width: 5%;">a.</th> <th style="width: 35%;">(1) FIRM NAME</th> <th style="width: 35%;">(2) FIRM LOCATION (City and State)</th> <th style="width: 25%;">(10) ROLE</th> </tr> <tr> <td></td> <td>Reiss Engineering, Inc.</td> <td>Winter Springs, FL</td> <td>Sub-consultant</td> </tr> <tr> <td>b.</td> <td>(1) FIRM NAME</td> <td>(2) FIRM LOCATION (City and State)</td> <td>(10) ROLE</td> </tr> <tr> <td>c.</td> <td>(1) FIRM NAME</td> <td>(2) FIRM LOCATION (City and State)</td> <td>(10) ROLE</td> </tr> <tr> <td>d.</td> <td>(1) FIRM NAME</td> <td>(2) FIRM LOCATION (City and State)</td> <td>(7) ROLE</td> </tr> </table>			a.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(10) ROLE		Reiss Engineering, Inc.	Winter Springs, FL	Sub-consultant	b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(10) ROLE	c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(10) ROLE	d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(7) ROLE
a.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(10) ROLE																			
	Reiss Engineering, Inc.	Winter Springs, FL	Sub-consultant																			
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(10) ROLE																			
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(10) ROLE																			
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(7) ROLE																			

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <div>9</div>
21. TITLE AND LOCATION (City and State) <div>Utility Service Area UDF Program Design and Implementation, Seminole County, FL</div>		22. YEARS COMPLETED <div>PROFESSIONAL SERVICES Ongoing</div> <div>CONSTRUCTION (If Applicable) Ongoing</div>
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER <div>Seminole County</div>	b. POINT OF CONTACT NAME <div>Ms. Ruth Hazard</div>	c. POINT OF CONTACT TELEPHONE NUMBER <div>407.665.2115</div>
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost) <div> <p>There are eleven (11) potable water service areas operated by Seminole County Environmental Services Department (SCESD) that currently utilizes water mains which have served over 50 percent of their useful life. These water mains are a mix of ductile iron, galvanized iron, polyvinyl chloride and asbestos cement.</p> <p>As a method of deferring costly water main replacements, SCESD is implementing a unidirectional flushing (UDF) program to clean and help maintain water mains throughout its distribution system. In addition to potentially prolonging water main useful life, the UDF program can improve potable water distribution system water quality, maintain/improve customer satisfaction, and promote compliance with current and upcoming regulatory standards. SCESD has requested that Reiss Engineering, Inc. (REI) provide engineering services to implement a UDF program.</p> <p>Reiss Engineering performs general project coordination and management activities, including administrative activities for this authorization, as well as coordination with SCESD staff and County representatives. Reiss also prepares and submits monthly Field Activities/Progress Reports and monthly invoices to the SCESD for this assignment. Field Activities/Progress Reports prepares and submits to the SCESD, on a monthly basis during the complete scheduled project duration, to advise and highlight the overall progress of the project, support monthly invoicing, document completed field tasks, identify upcoming planned activities, and other project components specific to SCESD staff needs.</p> </div> <div>  </div>		
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
a.	<div>(1) FIRM NAME Reiss Engineering, Inc.</div>	<div>(2) FIRM LOCATION (City and State) Winter Springs, FL</div> <div>(11) ROLE Prime</div>
b.	<div>(1) FIRM NAME</div>	<div>(2) FIRM LOCATION (City and State)</div> <div>(11) ROLE</div>
c.	<div>(1) FIRM NAME</div>	<div>(2) FIRM LOCATION (City and State)</div> <div>(11) ROLE</div>
<div> <div>EXHIBIT 4</div> <div>STANDARD FROM 330 (6/2002)</div> <div>PAGE 3</div> </div>		

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 10	
21. TITLE AND LOCATION (City and State) Comprehensive Water Supply Plan Polk County, FL		22. YEARS COMPLETED PROFESSIONAL SERVICES 2009 CONSTRUCTION (If Applicable) N/A	
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER Polk County		b. POINT OF CONTACT NAME Mr. Mario Chavez	
		c. POINT OF CONTACT TELEPHONE NUMBER 863.298.4167	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)			
<p>The purpose of the Polk County Integrated Regional Water Supply Plan was to identify and investigate new supplemental water supplies as a means to provide potable and non-potable water to Polk County and its 17 local governments to meet future demands. As part of this Comprehensive Water Supply Planning effort, Reiss Engineering consolidated information regarding potable water demands and existing potable water supplies. Analysis of various options included permitability, design considerations according to location and volume, economic considerations, and integration into the existing system. The final product was a matrix of supplemental water supply alternatives, and a comprehensive, concise master plan for the adequate and sustainable provision of water supply over the course of the planning period. Reiss experience with regional water supplies, including coordination between multiple stakeholders and various regulatory drivers, is an important credential for the Reiss Team on this assignment for the Authority.</p>			
<p>Water supply planning effort began with the identification, quantification and confirmation of various types of alternative water supplies which could be developed, and then aligned geographically with local water providers' existing supplies. This PCCWSP sets forth a listing of immediate supplemental projects and strategies which materially set a course for all local governments within Polk County to pursue alternative water supplies. This plan also identified public utilities whose most viable short term strategy, after maximizing conservation and reclaimed water, may be the continued use of traditional groundwater sources. These utilities may potentially rely on the "land use transition" of current traditional water supplies to meet their needs. It is important to note that the current traditional water sources such as the Upper Floridan aquifer (UFA), as well as the other non-traditional supplies within Polk County, have capacity limitations. Therefore, at some point in the future, the County and the local governments will have to consider additional water supply from regional projects or from outside of the County limits to meet future demands.</p>			
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Reiss Engineering, Inc.	(2) FIRM LOCATION (City and State) Winter Springs, FL	(12) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(12) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(12) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(8) ROLE

G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

26. NAMES OF KEY PERSONNEL (From Section E, Block 12)	27. ROLE IN THIS CONTRACT (From Section E, Block 13)	28. EXAMPLE PROJECTS LISTED IN SECTION F (Fill in "Example Projects Key" section below before completing table. Place "X" under project key number for participation in same or similar role.)									
		1	2	3	4	5	6	7	8	9	10
Edward H. Talton, Jr., P.E.	Project Manager	X		X	X	X	X	X	X	X	
Lance R. Littrell, P.E.	Client Services Manager	X		X			X			X	X
C. Robert Reiss, Ph.D., P.E.	QA & Water Task Leader				X	X	X		X		X
Mark A. Burgess, P.E., BCEE	QA/QC, WW Evaluation							X			
Kelcia D. Mazana, E.I.	Distribution & Collection Modeling Task Leader	X					X			X	
Brandon C. Bryant, P.E.	Hydraulic Modeling & Water Conserv							X	X	X	X
Matthew S. Grewe	Hydraulic Modeling & Uni-Directional Flushing									X	
Marc A. Cannata, P.E.	Infrastructure Assess & Demand Projections	X				X					X
Christophe M. Robert, Ph.D., PE	Water Quality					X					
Curtis I. Kunihiro, P.E. BCEE	Residuals Management										
Kathleen N. Gierok, P.E.	Master Planning, ASR					X	X				
James R. Murin Jr., P.E.	Master Planning, Wastewater									X	
Paul Hillers	Electrical Engineer										
Mark Luther	Electrical Engineer										
Paul Stout	Hydrogeologist Eng										
James Anderson	Hydrogeologist Eng										
David McNabb	Hydrogeologist Eng										

29. EXAMPLE PROJECTS KEY

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE FO EXAMPLE PROJECT (FROM SECTION F)
1	Water Delivery and Wastewater Collection Master Plan (included a Reuse Master Plan), Port St. Lucie, FL	6	City of Tampa Potable Water Master Plan, Tampa, FL
2	Infrastructure Asset Evaluation of the Mims Public Water System, Brevard County, FL	7	Orange County Hydraulic Modeling Services Orange County, FL
3	Wastewater Master Plan Updates, Seminole County, FL	8	Orange County Southern Regional Water Supply Facility, Orange County, FL
4	City of Melbourne Wastewater Master Plan Update, Melbourne, FL	9	Utility Service Area UDF Program Design and Implementation, Seminole County, FL
5	Wastewater and Reclaimed Water Master Plan, St. Cloud, FL	10	Comprehensive Water Supply Plan, Polk County, FL

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

Reiss Engineering was founded with the mission of providing expert professional engineering services in the water and wastewater field. Reiss Engineering's strength is defined not only by its corporate experience but more importantly by the experience and skills of those employed by the firm. Reiss Engineering actively pursues and hires employees whose background, experience and interest match the focus and direction of the company. Our staff brings with them a specialized portfolio of experience that is consistent with the services requested by the City of Fort Lauderdale. The combination of experience and expertise provides our firm with the ability to provide services in the following areas:

Water:

- Taste and odor issues (including hydrogen sulfide)
- Advance processes including ozone and membranes
- Sodium hypochlorite conversions
- Permitting and regulatory compliance
- Operations and maintenance

Stormwater:

- Hydrological and hydraulic modeling and studies
- Stormwater infrastructure assessment
- Stormwater design and retrofit design
- Water quality modeling
- Permitting

Wastewater:

- Process optimization and re-rating
- Wastewater collection system design and evaluation (i.e., SSES, I/I)
- Evaluation and facility assessments
- Biological nutrient removal
- Reuse treatment (including membranes) and implementation

Construction Administration:

- Preparation of construction bid packages
- Bid evaluation
- Shop drawing review
- Certification of payment
- Preparation of as-built drawings
- Construction inspection

Permitting:

- Effluent disposal including surface water discharge
- Residuals management
- Sodium hypochlorite conversions

Computer Capabilities:

Reiss Engineering has the latest computer equipment and software to ensure efficient communication and technical resource utilization. PC-type computers and workstations are present on every desktop. Laptop computers will be used by the project staff for portability. Our computer network includes central servers with full, daily backup execution.

Utilities:

- Hydraulic modeling (EPA Net, WaterCad, Cybernet, H2ONET) to identify system improvements
- Design/Relocation of water distribution and transmission pipelines
- Design/Relocation of wastewater force mains
- Trenchless technologies
- Permitting

CADD: Our firm uses AutoCAD software to prepare construction drawings for all design projects.

Geographic Information Systems (GIS): Our firm consistently uses GIS as a tool to more efficiently develop hydraulic models and implement infrastructure assessments as well as display data in a clear and concise manner. GIS is extremely useful in preparation of presentation material to government agencies and the public.

I. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

31. SIGNATURE



32. DATE

June 13, 2014

33. NAME AND TITLE

C. Robert Reiss, Ph.D., P.E., President

1. SOLICITATION NUMBER (If any)

RFQ No. 246-11426

PART II – GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME			3. YEAR ESTABLISHED	4. DUNS NUMBER
Reiss Engineering, Inc.			1998	09-5869405
2b. STREET			5. OWNERSHIP	
1016 Spring Villas Pt.			a. TYPE	
2c. CITY	2d. STATE	2e. ZIP CODE	Corporation	
Winter Springs	FL	32708	b. SMALL BUSINESS STATUS	
6a. POINT OF CONTACT NAME AND TITLE			N/A	
Lance R. Littrell, P.E.			7. NAME OF FIRM (If block 2a is a branch office)	
6a. TELEPHONE NUMBER	6c. E-MAIL ADDRESS			
786.416.0427	lrlittrell@reisseng.com			


8a. FORMER FIRM NAME(S) (If any)	8b. YR. ESTABLISHED	8c. DUNS NUMBER
Reiss Environmental, Inc.	1998	09-5869405

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	9		D03	Desalination (Proc & Facilities)	3
08	CADD Technician	4		C04	Chemical Processing & Storage	1
10	Chemical Engineer	2		C15	Construction Management	4
12	Civil Engineers	6		D04	D/B – Preparation of RFPs	1
15	Construction Inspector	1		G04	GIS Services: Development, Analysis, Data Collection	2
16	Construction Manager	2		P05	Planning (Comm, Reg, Area, Distribution)	5
29	GIS Specialist	2		P06	Planning (Site, Installation, Project)	4
32	Hydraulic [Modeling] Engineer	4		P07	Plumbing and Pipe Design	5
42	Mechanical Engineer	1		S04	Sewage Collection, Treatment, Disposal	5
48	Project Manager	2		S13	Stormwater Handling & Facilities	2
52	Sanitary Engineers	11		W02	Water Resources: Hydro, GW	2
	Stormwater Engineer	1		W03	Water Supply: Treatment & Distribution	6
	Other Employees					
	Total	45				

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS <i>(Insert revenue index number shown at right)</i>		PROFESSIONAL SERVICES REVENUE INDEX NUMBER	
		1. Less than \$100,000	6. \$2 million to less than \$5 million
		2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
		3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater
a. Federal Work	0		
b. Non-Federal Work	7		
c. Total Work	7		

12. AUTHORIZED REPRESENTATIVE


The foregoing is a statement of facts.

The foregoing is a statement of facts.	
a. SIGNATURE 	b. DATE June 13, 2014

C. Robert Reiss, Ph.D., P.E., President

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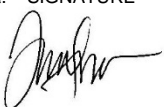
STANDARD FROM 330 (6/2004) PAGE 6

ARCHITECT-ENGINEER QUALIFICATIONS					1. SOLICITATION NUMBER (If Any) 246-11426	
PART II – GENERAL QUALIFICATIONS (If a firm has branch offices, complete for each specific branch office seeking work.)						
2a. FIRM (OR BRANCH OFFICE) NAME Hillers Electrical Engineering, Inc.					3. YEAR ESTABLISHED 1994	
2b. STREET 23257 State Road 7, Suite 100					4. DUNS NUMBER 876227059	
2c. CITY Boca Raton					5. OWNERSHIP	
2d. STATE Florida					a. TYPE Corporation	
2e. ZIP CODE 33428					b. SMALL BUSINESS STATUS Yes	
6a. POINT OF CONTACT NAME AND TITLE Paul Hillers, President					7. NAME OF FIRM (If block 2a is branch office)	
6b. TELEPHONE NUMBER 561-451-9165					6c. E-MAIL ADDRESS phillers@hillersee.com	
8a. FORMER FIRM NAME(S) (If any) NA					8b. YR. ESTABLISHED NA	
					8c. DUNS NUMBER NA	
9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
21	Electrical & Instrumentation Design Engineers	9		A05	Airport NAVAIDS, ILS, Lighting, Aircraft Fueling	5
16	Electrical Construction Manager	2		A06	Airport Terminals and Hangars; Freight Handling	5
08	CADD Technician	1		E03	Electrical Studies and Design	4
02	Administrative	1		W03	Water Supply; Treatment and Distribution(Electrical and instrumentation design	5
	Other Employees					
Total		13				
11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER				
a. Federal Work	1	1. Less than \$100,000		6. \$2 million to less than \$5 million		
b. Non-Federal Work	6	2. \$100,00 to less than \$250,000		7. \$5 million to less than \$10 million		
c. Total Work	7	3. \$250,000 to less than \$500,000		8. \$10 million to less than \$25 million		
		4. \$500,000 to less than \$1 million		9. \$25 million to less than \$50 million		
		5. \$1 million to less than \$2 million		10. \$50 million or greater		
12. AUTHORIZED REPRESENTATIVE The foregoing is a statement of facts.						
a. SIGNATURE 					b. DATE 6/2/2014	
c. NAME AND TITLE Paul Hillers, President						

JLA GEOSCIENCES

ARCHITECT – ENGINEER QUALIFICATIONS			1. SOLICITATION NUMBER <i>(If any)</i> 246-11426	
PART II – GENERAL QUALIFICATIONS <i>(If a firm has branch offices, complete for each specific branch office seeking work.)</i>				
2a. FIRM (OR BRANCH OFFICE) NAME JLA Geosciences, Inc.			3. YEAR ESTABLISHED 2003	4. DUNS NUMBER 92-748-0447
2b. STREET 1931 Commerce Lane, Suite 3			5. OWNERSHIP a. TYPE Corporation	
2c. CITY Jupiter	2d. STATE FL	2e. ZIP CODE 33458	b. SMALL BUSINESS STATUS Certified SBE	
6a. POINT OF CONTACT NAME AND TITLE James L. Andersen, P.G., Principal Hydrogeologist			7. NAME OF FIRM <i>(If block 2a is a branch office)</i>	
6b. TELEPHONE NUMBER (561) 746-0228		6c. E-MAIL ADDRESS jandersen@jlageosciences.com		

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees (1) FIRM (2) BRANCH		a. Profile Code	b. Experience	c. Revenue Index Number <i>(see below)</i>
30	Geologist	6		W02	Water Resources, Hydrogeology, Groundwater	4
02	Administrative	1				
	Other Employees	0	0			
Total		7	0			

C. 8a. FORMER FIRM NAME(S) <i>(If any)</i> N/A		8b. YR. ESTABLISHED	8c. DUNS NUMBER
11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS <i>(Insert revenue index number shown at right)</i>		PROFESSIONAL SERVICES REVENUE INDEX NUMBER	
a. Federal Work		1. Less than \$100,000	
b. Non-Federal Work	4	2. \$100,000 to less than \$250,000	
c. Total Work	4	3. \$250,000 to less than \$500,000	
		4. \$500,000 to less than \$1 million	
		5. \$1 million to less than \$2 million	
		6. \$2 million to less than \$5 million	
		7. \$5 million to less than \$10 million	
		8. \$10 million to less than \$25 million	
		9. \$25 million to less than \$50 million	
		10. \$50 million or greater	
12. AUTHORIZED REPRESENTATIVE The foregoing is a statement of facts.			
a. SIGNATURE 		b. DATE 6/4/2014	
c. NAME AND TITLE James L. Andersen, P.G., Principal Hydrogeologist			

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MANDATORY USE DATE OF FORM 5/1/2004

EXHIBIT 4
14-0917
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SECTION 2

Qualifications of the Project Team



Section 2

QUALIFICATIONS OF THE PROJECT TEAM

Reiss' strength is defined not only by its corporate experience, but more importantly by the experience and skills of those employed by the firm. Our staff brings with them a specialized portfolio of experience that is consistent with the services requested by the City of Fort Lauderdale in the Request for Qualifications (RFQ) for Professional Services for the Comprehensive Utility Strategic Master Plan. The table below displays a brief summary of resumes of the project team members, qualifications and role they will provide for the City under this contract.

PERSONNEL / ROLE	QUALIFICATIONS
Edward H. Talton, Jr., P.E. <i>Project Manager</i>	<ul style="list-style-type: none"> Master of Science in Environmental Engineering Professional Engineer in Florida (No. 47023) 24 Total Years of Experience (14 Years with Reiss)
Lance R. Littrell, P.E. <i>Client Services Manager</i>	<ul style="list-style-type: none"> Master of Business Administration Bachelor of Science in Mechanical Engineering Professional Engineer in Florida (No. 65645) 13 Total Years of Experience (9 Years with Reiss)
C. Robert Reiss, Ph.D., P.E. <i>Quality Assurance and Water Task Leader</i>	<ul style="list-style-type: none"> Ph.D. in Environmental Engineering Masters of Science in Environmental Engineering Bachelor of Science in Civil Engineering Professional Engineer in Florida (No. 53794) 22 Total Years of Experience (15 Years with Reiss)
Mark A. Burgess, P.E., BCEE <i>QA/QC & Water Evaluation</i>	<ul style="list-style-type: none"> B.S., Environmental Engineering / B.A., Biology Professional Engineer in Florida (No. 41840) 29 Total Years of Experience (1 Year with Reiss)
Kelcia D. Mazana, E.I. <i>Hydraulic Modeling and Hydraulic Assessment</i>	<ul style="list-style-type: none"> Master of Science in Environmental Engineering Engineering Intern Certification 14 Total Years of Experience (11 Years with Reiss)
Brandon C. Bryant, P.E. <i>Hydraulic Modeling and Water Conservation</i>	<ul style="list-style-type: none"> Bachelor of Science in Civil Engineering Professional Engineer in Florida (No. 74645) 7 Total Years of Experience (7 Years with Reiss)
Matthew S. Grewe	<ul style="list-style-type: none"> Master of Science in Environmental Engineering Bachelor of Science in Environmental Science 6 Total Years of Experience (6 Years with Reiss)
Marc A. Cannata, P.E. <i>Infrastructure Assessment and Demand Projections</i>	<ul style="list-style-type: none"> M.B.A., Business Administration M.S.E., Environmental Engineering Professional Engineer in Florida (No. 58570) 20 Total Years of Experience (13 Years with Reiss)

PERSONNEL / ROLE	QUALIFICATIONS
Christophe M. Robert, Ph.D., P.E.	<ul style="list-style-type: none"> Ph.D., Civil and Environmental Engineering M.S.E., Chemical Engineering 16 Total Years of Experience (12 Years with Reiss)
Curtis I. Kunihiro, P.E., BCEE <i>Residuals Management</i>	<ul style="list-style-type: none"> Bachelor of Science in Chemical Engineering Professional Engineer in Florida (No. 33688) 36 Total Years of Experience (3 Years with Reiss)
Kathleen N. Gierok, P.E. <i>Master Planning & Aquifer Storage & Retrieval</i>	<ul style="list-style-type: none"> Bachelor of Science in Environmental Engineering Professional Engineer in Florida (No. 54020) 21 Total Years of Experience (3 Years with Reiss)
James R. Murin, Jr., P.E. <i>Master Planning and Wastewater</i>	<ul style="list-style-type: none"> M.S.E., Environmental Engineering / B.S., Civil Engineering Professional Engineer in Florida (No. 64103) 21 Total Years' Experience (9 Years with Reiss)

Sub-Consultants:

Hillers Electrical Engineering, Inc.

Paul Hillers, P.E. <i>Electrical Engineer</i>	<ul style="list-style-type: none"> Master of Science in Electrical Engineering Bachelor of Science in Electrical Engineering Professional Engineer in Florida (No. 41022) 33 Total Years of Experience (20 Years with Hillers)
Mark Luther, P.E. <i>Electrical Engineer</i>	<ul style="list-style-type: none"> Bachelor of Science in Electrical Engineering Professional Engineer in Florida (No. 48801) 26 Total Years of Experience (16 Years with Hillers)

JLA Geosciences, Inc.

Paul M. Stout, Ph.D., P.G. <i>Hydrogeologist Engineer</i>	<ul style="list-style-type: none"> Doctor of Philosophy in Earth Sciences Master of Science in Geology Professional Geologist in Florida (No. 1118) 29 Total Years of Experience (11 Years with JLA Geosciences)
James L. Andersen, P.G. <i>Hydrogeologist Engineer</i>	<ul style="list-style-type: none"> Bachelor of Science in Geology Professional Geologist in Florida (No. 1103) 29 Total Years of Experience (11 Years with JLA Geosciences)

McNabb Hydrogeologic Consulting, Inc.

David McNabb <i>Hydrogeologist Engineer</i>	<ul style="list-style-type: none"> Masters of Science in Geology Professional Geologist in Florida (No. 1461) 22 Years of Experience (8 Years with McNabb)
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REISS ENGINEERING, INC.

Edward H. Talton, Jr., P.E.



Extensive Project Management experience that covers a full range of regional water, wastewater and reuse master planning projects, facilities planning, hydraulic modeling, infrastructure evaluations, permitting and project management with emphasis on master planning and hydraulic modeling projects in Florida. Mr. Talton's related project experience includes:

- ◆ **City of Tampa Potable Water Master Plan, Tampa, FL**
- ◆ **Northwest Regional Reclaimed Water Feasibility Study, Ocoee, FL**
- ◆ **Orange County Southern Regional Water Supply Facility, Orange County, FL**
- ◆ **Clearwater Potable Water Distribution System Interconnect, Clearwater, FL**
- ◆ **Cypress Lake Water Transmission, Central FL**
- ◆ **SCRWS Reuse Master Plan, Brevard County, FL**

Lance R. Littrell, P.E.



Proven Experience in leading the delivery of high-profile water and wastewater engineering projects for our Clients. Mr. Littrell's experience includes leadership of planning, design, and construction oversight water and wastewater treatment plants for municipal utilities.

- ◆ **Stormwater Pump Station and Transmission Main, Altamonte Springs, FL**
- ◆ **Seminole Tribe Reservation WTP Improvements, Hollywood, FL**
- ◆ **Seminole County Major WTP Upgrades, Seminole County, FL**
- ◆ **Rangeline Repump Station and Transmission Mains, Port St. Lucie, FL**

C. Robert Reiss, Ph.D., P.E.



Dr. Reiss has been involved with advanced water and wastewater treatment systems including membrane technologies for the past 22 years. His experience includes detailed design, process engineering, and technical review of membrane treatment systems including seawater, groundwater, and fresh surface water systems. Dr. Reiss' related project experience includes:

- ◆ **City of Port St. Lucie Rangeline WTP Transmissions Mains, Port St. Lucie, FL**
- ◆ **Wastewater Master Plan Updates, Melbourne, FL**
- ◆ **Northwest Regional Reclaimed Water Feasibility Study, Ocoee, FL**
- ◆ **City of Tampa Potable Water Master Plan, Tampa, FL**
- ◆ **Northwest Regional Reclaimed Water Feasibility Study, Ocoee, FL**
- ◆ **Clearwater Potable Water Distribution System Interconnect Optimization, Clearwater, FL**

Mark A. Burgess, P.E., BCEE



Experienced in planning, financing, permitting, design, and construction management for drinking water, wastewater, stormwater, water resources, solid waste, and hazardous waste projects throughout the United States and the Bahamas. Mr. Burgess' related project experience includes:

- ◆ **Plantation Water master Plan, Brevard County, FL**
- ◆ **Coral Springs Water and Wastewater Master Plan, Brevard County, FL**
- ◆ **Regional Water Supply Plan, Water Authority of Volusia**
- ◆ **Biosolids Master Plan, Orange County, FL**
- ◆ **LPRO WTP Expansion, Ormond Beach, FL**
- ◆ **WWTP Expansion and Upgrade, Ormond Beach, FL**
- ◆ **Deep Creek Water Supply Facilities Plan, Volusia County, FL**

Kelcia D. Mazana, E.I.



Leader in hydraulic modeling projects for municipal entities across the State. Her experience includes Bentley Systems Water, Sewer, Storm Strategic Modeling and Unidirectional Flushing. Ms. Mazana's related project experience includes:

- ◆ **City of Tampa Potable Water Master Plan, Tampa, FL**
- ◆ **Water Delivery and Wastewater Reclaimed Water Master Plan, Seminole County, FL**
- ◆ **Water System Master Plan Update Project, Melbourne, FL**
- ◆ **Water Modeling and Master Plan Update, St. Cloud, FL**

Brandon C. Bryant, P.E.



Innovator for hydraulic modeling and master planning projects including experience in wastewater process design, water, wastewater, reclaimed water and water quality hydraulic modeling, pilot studies, report writing, data management and master planning for a variety of municipal and government utility projects. Mr. Bryant's related project experience includes:

- ◆ **Reclaimed Water Master Plan Updates, Seminole County, FL**
- ◆ **Wastewater Master Plan Updates, Melbourne, FL**
- ◆ **City of Tampa Potable Water Master Plan, Tampa, FL**

Matthew S. Grewe



State Leader with more than six unidirectional flushing program implementation projects. His extended experience in wastewater process design, hydraulic modeling, pilot studies, report writing, data management and master planning for a variety of municipal and government utility projects.

- ◆ **Unidirectional Flushing Program Design and Implementation, Seminole County, FL**
 - ◆ **Unidirectional Flushing Program Implementation, Melbourne, FL**
 - ◆ **Water Quality Master Plan Update and Capital Improvement Plan, Casselberry, FL**
-

Marc A. Cannata, P.E.



Senior Leadership of the firm including experience performing various environmental engineering designs and studies. His experience includes project management, hydraulic modeling and analysis, water/wastewater/reuse infrastructure planning, data analysis and management, and permitting for a variety of municipal and government projects. Mr. Cannata's related project experience includes:

- ◆ **Rangeline WTP Transmissions Mains, Port St. Lucie, FL**
- ◆ **Water, Wastewater and Reuse Master Plan, St. Cloud, FL**
- ◆ **Interim Master Plan Updates, Seminole County, FL**
- ◆ **Reclaimed Hydraulic Model Setup, City of Ocoee, FL**

Christophe M. Robert, Ph.D., P.E.



Experience concentrated in environmental engineering with emphasis on advanced water treatment processes, such as microfiltration, ultrafiltration, nanofiltration, and reverse osmosis technologies for fresh water, brackish water and seawater.

- ◆ **RO WTP Expansion Conceptual Design, Vero Beach, FL**
- ◆ **Big Cypress Pilot Study, Seminole Tribe, FL**
- ◆ **Seminole County Southeast Regional Water Treatment Plant Pilot Study, Seminole County, FL**

Curtis I. Kunihiro, P.E., BCEE



Mr. Kunihiro has extensive expertise that consists of liquid treatment, disinfection, sludge handling, hydraulics, equipment evaluation/selection, cost estimating, plans and specifications, and reviewing contract documents and shop drawings. Related project experience includes:

- ◆ **Biosolids Master Planning, Toho Water Authority, Kissimmee, FL**
- ◆ **Effluent Disposal Master Plan, Kissimmee, FL**
- ◆ **SWRF Phase V Improvements, Orange County, FL**

Kathleen N. Gierok, P.E.



Ms. Gierok's skill set includes master planning, computer modeling, and preparation of detailed engineering and feasibility reports, regulatory permitting, bond issues, contract document development, plan review, and construction administration. Ms. Gierok's related project experience includes:

- ◆ **Reclaimed Water Master Plan, Winter Garden, FL**
- ◆ **Re-use Feasibility Study and Update to Regional Re-use Master Plan, Cities of Ocoee and Winter Garden, FL**
- ◆ **Polk County Northwest Regional Wastewater Treatment Facility Improvements Construction Inspection, Polk County, FL**

James R. Murin, Jr., P.E.



Experienced in wastewater and reclaimed water treatment, with a primary focus on process and facility design, system master planning, and regulatory compliance. Mr. Murin's related project experience includes:

- ◆ **Reclaimed Water Master Plan Updates, Seminole County, FL**
- ◆ **Orange County Hydraulic Modeling Services, Orange County, FL**
- ◆ **Surface Water CUP Permit Legal Defense Assistance, Seminole County, FL**

HILLERS ELECTRICAL ENGINEERING, INC.

Paul Hillers, P.E.



Mr. Hillers has extensive expertise in electrical, instrumentation and control engineering. Related projects includes:

- ♦ **Water Utilities Department SRWRF Digester Biogas Renewable Energy Project, Palm Beach, FL**
- ♦ **Water Utilities SROC Deep Injection Well Modifications, Palm Beach, FL**
- ♦ **Water Utilities Department SRWRF Generator Switchgear and Electrical Reliability Improvements, Palm Beach, FL**

Mark Luther, P.E.



Mr. Luther has extensive expertise in electrical, instrumentation and control engineering. Related projects includes:

- ♦ **Water Utilities Department SRWRF Digester Biogas Renewable Energy Project, Palm Beach, FL**
- ♦ **Water Utilities SROC Deep Injection Well Modifications, Palm Beach, FL**
- ♦ **Water Utilities Department SRWRF Generator Switchgear and Electrical Reliability Improvements, Palm Beach, FL**

JLA GEOSCIENCES, INC.

Paul Stout, Ph.D., P.G.



Mr. Stout has extensive expertise as a Hydrogeologist. Related projects includes:

- ♦ **Water Utilities Department, Galdes utility Authority Floridan Aquifer RO Supply Well PW-8, Palm Beach, FL**
- ♦ **Seacoast Utility Authority, Palm Beach, FL**
- ♦ **South Martin Regional Utilities, Martin County, FL**

Jim Andersen, P.G.



Mr. Anderson has extensive expertise as a Hydrogeologist. Related projects includes:

- ♦ **Water Utility Department WTP 9 Wellfield Expansion of 6 Production Wells, Boca Raton, FL**
- ♦ **Water Utilities Department, Galdes utility Authority Floridan Aquifer RO Supply Well PW-8, Palm Beach, FL**
- ♦ **Seacoast Utility Authority, Injection Well IW-1 Mechanical Integrity Testing, Palm Beach, FL**

MCNABB HYDROGEOLOGIC CONSULTING, INC.

Mr. David McNabb, P.G.

Mr. McNabb is recognized as an expert in the field of Class I deep injection wells. Related projects include:

- ♦ **Florida Power & Light Turkey Point Exploratory Well**
- ♦ **Homestead, Florida**
- ♦ **Fort Pierce Utilities Authority Mainland WRF Deep Injection Well Operating Permit, Fort Pierce, Florida**

SECTION 3

Project Manager's Experience



Section 3

PROJECT MANAGER'S EXPERIENCE



Edward H. Talton, Jr., P.E., Project Manager – With early hydraulic modeling experience of creating Miami-Dade’s hydraulic model of over 1,500 miles of pipe and more than 900 pump stations, Mr. Talton has over 24 years of experience that covers a full range of regional water, wastewater and reuse master planning projects, facilities planning, hydraulic modeling, infrastructure evaluations, permitting and project management with emphasis on master planning, asset management and hydraulic modeling projects in Florida. His experience also includes ground and surface water supply development and treatability, implementation support work including CIP and mapping updates, WTP site acquisition, operational optimizations, energy efficiency evaluations, water quality modeling and regional cooperation. ***Mr. Talton’s Professional Engineers License number in Florida is 47023.***

As Project Manager, Mr. Talton will be the primary interface for the City (and all associated departments within the City), will have responsibility for staying on the “same page” with City staff and direct the individual task managers. Mr. Talton will also provide engineering services for reuse master planning and hydraulic assessment of the collection and delivery systems. Mr. Talton’s related project experience includes:

- 💧 **Water Master Plan and Bond Engineer, Tampa, FL.** Mr. Talton served as the project manager responsible for delivering the City’s comprehensive potable water master plan for 80 MGD distribution system. The high-profile project included capacity evaluations, CIP prioritization, risk-based asset evaluation, developer funding policies, and successful bond engineering support.
- 💧 **Miami-Dade Reuse Feasibility Study and Steady-State Wastewater Force Main Hydraulic Model, Dade County FL.** Mr. Talton completed a comprehensive reuse master plan and wastewater force main hydraulic model (1,500 miles of pipe and over 900 pump stations) for Miami-Dade Water and Sewer Authority.
- 💧 **Water and Wastewater Collection/Transmission Master Plans - City of Melbourne, FL.** Serving as the Project Manager for the City’s complete wastewater collection/transmission system and technical support for water master plan utilized to evaluate the City’s CIP. Additionally, the project included assessing the capacity and reliability of key existing infrastructure, and prioritize asset rehabilitation and repair (R&R) plans.
- 💧 **Water Delivery and Wastewater Collection Master Plan - City of Port St. Lucie, FL.** This project included the water delivery, wastewater collection and reuse utilities master plan to

address an expanding service area, evaluate CIP, and assess the capacity and reliability of key existing infrastructure. Mr. Talton led the delivery of this assignment as the Project Manager.

- ◆ **Orange County Utilities Horizons West Master Plan, Orange County, FL.** Mr. Talton served as the Project Manager in completing a regional master plan for a planned city in western Orange County. The master plan included water supply and wastewater treatment planning and alternatives analysis as well as incorporation into the Conserv II reuse system and full urban reuse.
- ◆ **Potable and Reclaimed Water Systems Master Plan, City of Altamonte Springs, FL.** As the Project Manager for the Project, Mr. Talton led the comprehensive master plan project that includes one of the 1st reclaimed water systems in the State. The project identified system capacity needs to meet urban re-development, prioritized capital projects and supported multi-Utility/FDOT reclaimed and stormwater reuse transmission main projects.
- ◆ **SCRWS Reuse Master Plan, Brevard County, FL.** The project included the comprehensive reuse master plan which included reuse demand estimation, backup effluent disposal, and service area permitting. Mr. Talton also completed comprehensive hydraulic and cost analysis models of the 6 MGD reuse system.
- ◆ **I&I Reduction Projects, Cities of Melbourne, Ocoee, Altamonte Springs, FL.** Mr. Talton served as the Project Manager leading the completion of the inflow and infiltration (I&I) reduction efforts for multiple municipalities including planning and fieldwork execution. The efforts included management of data review for I&I evaluation as well as physical smoke testing and flow monitoring of the collection systems for the City.
- ◆ **Water, Wastewater and Reuse Master Plans, Seminole County, FL.** Mr. Talton completed the comprehensive master plans in the 1990's and mid 2000's plotting the strategic course for the utility during high growth periods. In addition, Mr. Talton served a primary leadership role in planning the initial Reuse System development phases for the County.
- ◆ **Cypress Lake Potable Water Transmission, Optimization and Interconnection Analysis and Conceptual Design, St. Cloud, FL.** Serving as the Technical Lead and Manager for a conceptual plan to deliver 36 million gallons per day (MGD) of alternative water supply to five major utilities in Orange, Osceola, and Polk Counties in Central Florida to support the proactive planning to protect and sustain the Upper Floridan Aquifer as identified by the South Florida Water Management District (FWMD). Mr. Talton's specific responsibilities included project manager, chief technical officer, and operations programming lead for the project delivery.

To ensure that the City of Fort Lauderdale receives the leaders in the hydraulic modeling and master planning within the industry, Reiss Engineering has selected Mr. Talton to serve as the project manager to bring the proven experience to the City's Master Planning efforts. Mr. Talton will personally direct all aspects of the master planning, data analysis and management design, GIS and Mapping and Web-based interface for the various tasks under this contract. Mr. Talton will have the primary responsibility for maintaining contact with the City personnel.

SECTION 4

Approach to Scope of Work



Section 4

APPROACH TO SCOPE OF WORK

UNDERSTANDING OF THE CITY'S NEEDS

The City of Fort Lauderdale has planned this Comprehensive Utility Strategic Master Plan to be an efficient, comprehensive potable water, wastewater and reclaimed water (Utilities) update of previously adopted master plans. With strong leadership and a strategic vision in place, the City is in a position of strength to move forward. This Comprehensive Utility Strategic Master Plan will identify and prioritize the utility's infrastructure projects that will realize the City's Vision. The City has been very successful at obtaining co-funding for projects to keep rates low for its customers. The ongoing, proactive program to maximize connected customers (Waterworks 2011) is a key initiative, as reiterated in the City's Strategic Plan, and will be integrated into this Master Plan.



Reiss Engineering's approach is to leverage the City staff's knowledge and previous planning documents to complete the plan efficiently, while providing a fresh look at the City's current highest priority needs. With an existing water hydraulic model completed by Hazen and Sawyer and a wastewater hydraulic model created by CDM, the engineer selected for this task must be able to quickly and efficiently familiarize their staff with the existing models, confirm and update where necessary, and begin pressing forward with the necessary evaluations for this master planning effort. Reiss Engineering has served in this role a number of times which has proven that our staff knows how to quickly and efficiently move forward with Fort Lauderdale in achieving the City's Vision.

Reiss Engineering will leverage our extensive master planning capabilities and experience to complete the project within the City's identified budget, while dovetailing the master plan vision with the City of Fort Lauderdale's strategic "community" initiatives.

To meet the City's budget for this Utilities Master Plan Update, a highly efficient approach is required. This approach will meet the City's planning requirements and spend the time creating a bias-free, justifiable schedule of prioritized projects over the next five to twenty years.

APPROACH

The following approach is recommended to best serve the City and your customers in creating a Comprehensive Utility Strategic Master Plan:

- 1) Espouse the City's Utility Vision
- 2) Secure Long Term Water Supply
- 3) "Green up" Wastewater Management
- 4) Ensure Distribution/Collection Capacity, Reliability and Service Levels
- 5) Address Infrastructure Resiliency and Sustainability
- 6) Optimize Operations and Energy Efficiency
- 7) Aggressively Pursue Funding-Load projects into the SFWMD Water Supply Plan

The reasons Reiss Engineering can tailor its project approach for Fort Lauderdale and successfully complete the Plan within budget are:

- Experts in Completing Florida Master Plan Updates
- Unbiased: we will go beyond a perfunctory update of the last master

plan, providing a fresh approach that is focused on your Strategic Goals and Objectives.

- Cost Efficient: we completed a comprehensive water master plan for the City of Tampa, FL for \$250,000
- A firm focused on water quality and treatment processes you have at Fort Lauderdale
- Experience and success with improving distribution water quality



The approach included herein outlines the Reiss Team's view of the systematic methods proposed for meeting the City's needs relative to project execution. This approach focuses

on the major specific areas of concern, and presents a course of action designed to maintain and improve current and future facilities in a timely and cost-effective manner.

TASK 1 – ESPOUSE THE CITY'S UTILITY VISION

1.A. - Crystallize Project Vision at Kickoff Meetings

Similar to the City's Strategic Plan, the initial step of the project is to create a common vision. By fully understanding the City's overall and specific project goals and objectives, Reiss Engineering can more efficiently and successfully complete the Master Plan. The vision will consider the following components:

- Secure Long Term Water Supply
- "Green Up" the Wastewater System
- Provide Risk-Based Asset Management Tool for R&R Prioritization
- Provide Utility Staff Better Tools to

Optimize Operations and Energy Efficiency

- Prioritize CIP and Publish Master Plan

The kickoff meeting will establish roles, communication protocols, and clearly define concise deliverables. The process starts with our Project Manager, Ed Talton, as well as other key Reiss Team members meeting with the City in an interactive environment to specifically identify expectations for success. Mr. Talton is a hands-on manager with the experience and technical knowledge to execute projects effectively. Day-to-day communications with the City will flow through Mr. Talton. Each team member will provide the City with e-mail addresses and cellular telephone numbers. Processes to ensure schedule adherence will include timely dissemination of project information, weekly project update calls, powerfully descriptive maps/figures, efficient communication protocols and face-to-face interactive meetings to safeguard the project vision is being maintained.

Task 1.B. – Collect, Compile and Review Relevant Information.

Relevant system and historical data will be collected, compiled and reviewed for the update of the master plan. Data relevant to the master plan includes the previous reports prepared for the City, existing databases, CAD, GIS, spreadsheets, hydraulic models and other documents. Data collection will be streamlined and efficient to stay on schedule and budget.

Task 1.C. - Meet/Poll Staff for Specific Utilities Needs/Projects

Your staff has a tremendous amount of knowledge of the potable water, wastewater and reclaimed water utilities systems. This approach will rely on that knowledge to better identify, prioritize and schedule needed capital projects. Brief meetings will be held with key staff to extract and understand utilities system needs, including repair and replacement (R&R). A preliminary list of identified needs will be generated from the polling.

Task 1.D. - Review Previously Identified Future CIP and Master Plan Projects. To prepare an efficient master plan update, it is imperative to start with the previously identified future projects. The previous planning work performed for the City has served the City well, and while some recommendations may be outdated or over anticipated, it will serve as an excellent starting point.

TASK 2 - SECURE LONG TERM WATER SUPPLY

Fast Forward Fort Lauderdale 2035 on April 16, 2013 developed a goal to sustain the City's long-term water supply through efforts that may include gray (reclaimed) water reuse, desalination, and water efficiency and conservation campaigns. Our approach agrees and will analyze technology, feasibility and costs to develop projects to secure the City's long term supply. Reiss Engineering helped secure long term supplies for the City of Port St. Lucie, FL with lower Floridan wells and treatment.

Task 2.A. – Project Potable Water Demands

The latest census, BEBR, SFWMD, City and County population and planning information will be applied to project demands. Climatological information will help estimate 1-in-10 year drought water use peaking factors to apply.

Task 2.B. – Evaluate WTF Facilities Capacity

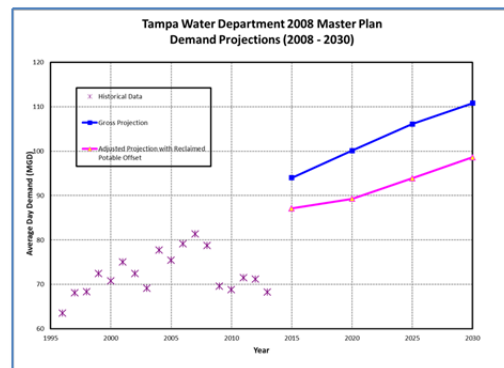
REI will evaluate the existing water treatment facilities with respect to capacity and identify deficient and critical components. The evaluation will include treatment equipment and buildings sufficiency.

Task 2.C. – Secure Future Sustainable Supplies

The City has discussed implementing Floridan Aquifer wells at the Fiveash and Peele Dixie WTPs to increase reliability, and has a project listed on the SFWMD's Water Supply Plan. Reiss Engineering's formative expertise is in alternative

supplies having piloted and designed major lower Floridan membrane facilities in Port St. Lucie and Clearwater, Florida. Although the City has ample potable water supply for the future, an increase in reliability and quality would be beneficial and part of the City's strategic plan.

Reiss Engineering is currently leading one of Florida's largest cooperative alternative water



supply efforts (Cypress Lake) and will use this expertise to evaluate and prioritize supply efforts including:

- Floridan Aquifer Supply
- Reclaimed Water to Provide Irrigation and Large Commercial/Industrial NPW Uses.
- Maintain and Innovate Conservation
- Maximize WTF Capacity, Quality and Performance
- Aquifer Storage and Recovery (ASR)
- Alternative Water Supply Programs (Stormwater, Reclaimed Scalping)

Task 2.D. – Reclaimed Water Initiative

Reiss Engineering staff are experts in reclaimed water implementation and water conservation. Together with the City, we will identify cost-efficient means with return on investment. To assist with funding, the SFWMD could be involved to help projects enter and climb the District's Lower East Coast Water Supply Plan. This will facilitate funding to the City assisting with the City's drive to maintain low customer rates.

Task 2.E. – Achieve Water Conservation Goal

Reiss Engineering's efforts will include methods to achieve the City's Strategic Plan Goal 1: Reduce Water Demand by 20% by 2020:

Objective 1.1: Incentivize, encourage and enforce water conservation.

Action 1.1.1: Expedited, continuing escalation of high-user potable water fees in single-family zoning.

Action 1.1.2: Implement and enforce landscape ordinance requiring low- volume/avoidance watering.

Action 1.1.3: Directly engage all large water users in long-range water resource planning and conservation.

Action 1.1.4: Consider other innovative projects including harvesting rain water.

TASK 3 – “GREEN UP” THE WASTEWATER SYSTEM

Understanding that Fort Lauderdale's wastewater system functions properly and serves the City well; the Strategic Master Plan will identify cutting edge initiatives to increase sustainability and move toward an energy neutral balance:

- Increase Energy Efficiency
- Minimize Inflow & Infiltration
- Hydraulically Model and Optimize Collection/Transmission System
- Adjust to Produce Reclaimed Water

Task 3.A. – Increase Energy Efficiency

The George T. Lohmeyer WWTP is an awesome facility that, using standard technologies, is the Utility's largest energy consumer. Together, we will set a goal for energy consumption reduction and layout a cost effective path to achieve it. Cutting edge initiatives consistent with the City's Strategic Plan will be evaluated including high efficiency/variable speed blowers, clean/rehab/

replace diffusers, process modifications, and bio-solids-to-energy strategies. Reiss designed an upgrade to the City of Casselberry's WWTP that will reduce power consumption of the aeration system by 35%.

Task 3.B. – Minimize Inflow & Infiltration

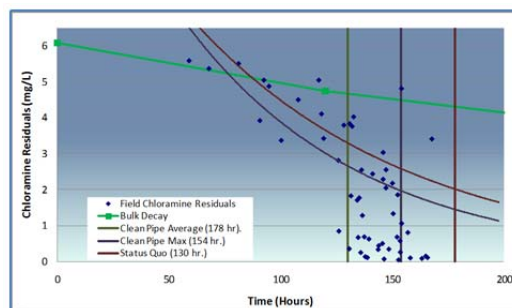
Reiss Engineering has significant experience in I&I Reduction and our staff includes field tested I&I veterans. Our motto is “find and fix”. While I&I is present almost everywhere and City staff likely has information on the perpetrators, we will review key data to prioritize pump station areas. Initial efforts will focus on inflow as generally inflow reduction is most cost effective, a long term plan will be developed to reduce infiltration and make the sewer system more resilient to sea level rise.

We have in-house smoke testing and flow testing equipment and crews that, along with CCTV and inspection data, can help the City with pilot efforts to determine where to spend limited I&I budget to get the most flow reduction for each dollar.

Reiss Engineering is familiar with coastal Florida City's having performed I&I analyses and mitigation for the City of Melbourne, Florida. This experience will serve Fort Lauderdale well to minimize I&I and regain some hydraulic capacity.

Task 3.C. - Hydraulically Model and Optimize Collection/Transmission System

The City's growth is currently concentrated in strategic areas including the Downtown Regional Activity Center. The City's plan includes potentially re-routing stations (including PS A-7) and piping to free up capacity to serve the high growth areas. The hydraulic



model will be updated and simulations run to support these efforts.

Currently the City's sewer system model resides in two different softwares. It is proposed to integrate the hydraulic model with the City's GIS to make future updates easier for City staff. Reiss Engineering staff has used Bentley's modeling software since its inception and are experts at preparing and training Utility staff on day-to-day modeling efforts.

Task 3.D. – Bio-solids to Energy

Reiss Engineering will collect information on the most successful, sustainable bio-solids strategies, estimate life cycle costs and work with the City to select and test a strategy going forward. Mr. Mark Burgess of Reiss Engineering just completed two terms as Chair of the FWEA Biosolids Committee that organized and presented "Charting the Future of Biosolids Management in Florida" seminars across the state to educate the regulated community on the recent changes to the Biosolids rule (FAC Ch62-G40).

Task 3.E. – Adjust to Produce Reclaimed Water

Once cost-effective reclaimed water users are identified, options to adjust the wastewater treatment system to produce and deliver the supply will be evaluated. Modifications to the George T. Lohmeyer WWTP will be evaluated along with wastewater "scalping" options. Scalping is the implementation of small, sub-regional wastewater treatment facilities that treat and produce reclaimed water where it is needed to reduce reclaimed water transmission costs.

Reiss Engineering designed a membrane bioreactor for Islamorada, Florida for such purpose that produced some of the highest effluent quality in the State. Waste activated

sludge from the facility can be pumped through the system to Lohmeyer to reduce cost, destroy volatile solids and help with pump station odor control.

TASK 4 – PROVIDE RISK-BASED ASSET MANAGEMENT TOOL FOR R&R PRIORITIZATION

The City has data systems in place that can serve an asset management system well. Reiss Engineering's approach will leverage your existing systems to produce a user-friendly tool that all staff can use to access and utilize important data to help prioritize R&R.

- Asset Inventory Update
- Risk Based Asset R&R Prioritization
- Address Infrastructure Resiliency and Sustainability

SUSTAINABILITY

Task 4.A. – Asset Inventory Update

Asset R&R prioritization requires the collection and processing of various sets of infrastructure data. A more complete asset inventory is the key to reaching prioritization project goals. More

detailed information provides for more detailed risk based asset prioritization assessment results. The City has a vast amount of data already recorded and available. Additional fields needed to evaluate assets will be recommended and can easily be added to existing City databases. Software and platforms will be reviewed for efficiency opportunities.



Task 4.B. – Risk Based Asset R&R Prioritization

Risk based asset prioritization is widely accepted as a best management practice to comprehensively manage assets. Utility managers must manage the reliability of their assets without compromising risk to public and environmental health.

Risk is defined as the combination of likelihood of failure and consequence of failure. Likelihood of failure is comprised of physical condition, historical failures and capacity/performance. Physical condition is an estimation of the asset integrity and is employed to identify assets that could cause potential unexpected maintenance or service issues in the near future. Contributing factors of physical condition include age, material and coatings.

Consequence of failure is a measure of the impact on the community and customers of the potable water system should physical failure of a component occur. The consequence of failure is determined based on a number of institutional factors including public health, safety, security, and level of service.

The risk based asset prioritization approach includes an asset risk matrix to group assets into priority groups. Asset inventories are assembled and a ranking system is applied to combine the likelihood and consequence of failure (likelihood x consequence = risk) for key City of Fort Lauderdale assets. Assets are prioritized on risk scores and reduction in risk score per unit cost. Useful life and remaining life are estimated where data was available to help generate repair and replacement (R&R) schedules. As in Reiss Engineering's evaluation for the City of Tampa, this risk based asset management approach will use GIS and graphical prioritization tools so that Fort Lauderdale Utility staff can operate and maintain infrastructure prioritization. The risk based asset prioritization approach includes:

- Define Likelihood of failure data fields and scoring criteria.
- Define consequence of failure data fields and scoring criteria.
- Set up risk based priority matrix.
- Assign likelihood/consequence scores
- Prioritize on risk reduction.
- Input repair and replacement unit costs

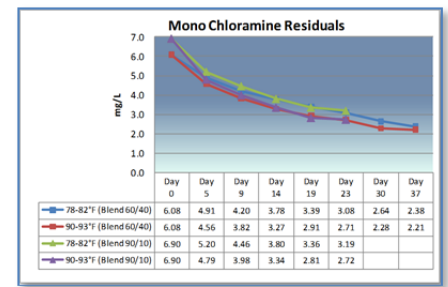
- Prioritize on risk reduction per \$.
- Combine with City-Schedule for repair and replacement.

Task 4.C. - Address Infrastructure Resiliency and Sustainability

Prepare for Climate Change (Sea Level Rise): "Municipalities have the potential to plan for events that they cannot exert control over, such as improving hurricane preparedness of a community. A holistic, multidisciplinary effort will tie in adaptation

planning with mitigation strategies. The adaptation goal is to prepare the City for climate change impacts, utilizing existing

planning strategies and include adaptation strategies into the City's plans."



TASK 5 - PROVIDE UTILITY STAFF BETTER TOOLS TO OPTIMIZE OPERATIONS AND ENERGY EFFICIENCY

- Perform Needs Assessment
- Regulatory Compliance Tracking
- Holistic Citywide SCADA needs
- Cost Effective Water Treatment Processes
- Increase Energy Conservation
- Efficiencies of Operation
- Develop Sustainable Practices and Resistance to Sea Level Rise/Climate Change

5.A. – Perform Needs Assessment. Discuss City Utility staff needs to better monitor, operate and maintain systems. Distill the information into a list of functions that could increase evidence-based decisions.

5.B. – Regulatory Compliance Tracking. Develop simple, easy to use tools to help management and staff benchmark and track regulatory compliance.

5.C. - Holistic Citywide SCADA Plan. Based on the needs identified, instrumentation experts will identify options for a secure, City-wide SCADA system that has robust security, excellent service reputation and is proven successful in other Florida locations.

5.D. - Increase Energy Conservation. Integrate electricity reduction goal into CIP (Action 1.1.3). Target the largest users Fiveash WTP (\$1,582,451) and the GTL WWTP (\$2,167,761/year). Evaluate results of changing pump motors and, continue effort if ROI is positive. Achieve more efficient air transfer to wastewater (high efficiency blowers, variable speed, anoxic zones).

5.E. - Potable Water Distribution Quality Optimization (Nitrification Mitigation). Operating and maintaining a chloramine disinfected system in Florida is a tough task. The City as recently as May, completed a free chlorine “burn” to help mitigate nitrification. Reiss Engineering is a State of Florida leader in



improving distribution quality in chloramine systems. Reiss Engineering was very successful with St. Petersburg in mitigating DBPs without the use of “burns”. Innovative

tactics were used including water quality modeling, ammonia trimming, strategic auto-flushing and uni-directional flushing.

We will apply a similar approach with you and could realize significant labor, equipment and water savings with the effort. Water quality was also dramatically improved water quality including 80 to 90% reductions in Funding is potentially available for this effort as it qualifies

as water conservation and could be eligible for funds including WaterSIP.

TASK 6 - PRIORITIZE CIP AND PUBLISH MASTER PLAN

6.A. - Compile and Prioritize Listed Projects. The City’s current capital improvement program format will be utilized to compile a master list of projects. Projects will be prioritized based on the engineering evaluations performed and the City’s technical and management input.



6.B. - Schedule Projects to Fit Needs, Identify Funding Gaps (if any).

One approach is to tailor capital projects to the City’s available budget. Estimated infrastructure capital needs will also be prepared to identify funding gaps. Therefore, based on the results of the technical evaluations, Reiss Engineering in concert with City staff will prioritize and prepare a CIP for the City’s utility systems for the 20-Year Planning Period that will accomplish the required level of service to the City’s customers.

Projects with potential funding gaps will be identified as such and only accomplished should the funding gap be closed. Additionally, Reiss will prepare an implementation plan for the CIP and the individual projects identified in the CIP will be incorporated into a master schedule by fiscal year as part of an overall implementation plan. A similar implementation plan was utilized for the City of Tampa’s water master plan and has moved them toward success for key R&R projects and cost effective risk reduction.

6.C. - Publish Brief, Usable Report with Figures and Tables Summarizing/Justifying Projects. The City does not need a voluminous document to

tote to meetings or sit permanently on the shelf. The City needs a concise documentation of the utilities master plan in one streamlined package. The report will contain an executive summary and visual and tabular depictions of the recommended projects.

6.D - Fund, Fund, Fund. Aggressively Pursue Funding! Identify targeted funding opportunities to finance the City's required utilities capital improvements. Funding considerations will include working with the SFWMD to get projects in the Water Supply Plan, other state and federal funding sources, and inflation/cost of living related rate increases.

SCHEDULING METHODOLOGY

One of the most important variables in managing a project schedule is communication with the client throughout the project to quickly address issues that might impact schedule or cost. The Reiss staff members involved in this project will continuously communicate with Mr. Talton to discuss the technical and delivery details of the assignment. With key technical staff proposed for this project working from the local office, Reiss Engineering will provide the City with valuable continuity and effective team communications as the project progresses. The Reiss Team's senior project management individuals will be available to the City via electronic mail and cell phone. Monthly progress reports will be submitted to the City so project progress can be monitored on a regular basis. At project initiation, the Project Manager will prepare kickoff meeting documentation to include identification and confirmation of responsibilities, project schedule, client project cost targets, scope of work details, lines of communication, meetings, and deliverables. The schedule, once confirmed and approved by the City, will be the driving force to meet the City's needs and expectations.

CURRENT WORKLOAD

In addition to the technical approach discussed at the beginning of this section, the methods for administering and managing projects directly influences success, particularly as defined by the City of Fort Lauderdale. Reiss' history of performing and managing planning and modeling projects has allowed our firm to develop a proven approach to the management of utility system analysis assignments. This experience, and the resulting approach, will be a valuable asset to the City by ensuring that the City receives deliverables and technical guidance that meet specific goals. With the overall guidance and leadership of Mr. Talton, and the technical support from Reiss' Team of experts, Reiss Engineering is well-positioned to implement this project from both the management and technical aspects.

AVAILABLE FACILITIES

Reiss will proudly be serving the City of North Port from its office located in Tampa, Florida at 10150 Highland Manor Drive, Suite 200. Reiss' designated team members with over 40 personnel readily available to serve the City on this important project, is committed to providing the highest quality service to the City, and has available capacity to complete this project.

Technological Capabilities

Reiss Engineering has the most recent version of all software applications listed below:

Bentley Software Applications

- ◆ WaterCAD Stand alone
- ◆ WaterCAD for AutoCAD
- ◆ SewerCAD Stand alone
- ◆ SewerCAD for AutoCAD

MWH Soft Software Applications

- ◆ H2OMap Water
- ◆ InfoWater
- ◆ UDF module for InfoWater

Other Applications:

- ◆ EPA Net
- ◆ AutoCAD 2005 and 2006
- ◆ ArcGIS ArcView 9.2

OTHER AVAILABLE RESOURCES

In addition to the technical approach discussed at the beginning of this section, the methods for administering and managing projects directly influence success, particularly as defined by the client. Reiss' history of performing and managing planning and modeling projects has allowed our firm to develop a proven approach to the management of utility system analysis assignments. This experience, and the resulting approach, will be a valuable asset to the City by ensuring that the City receives deliverables and technical guidance that meet specific goals. With the overall guidance and leadership of Mr. Talton, and the technical support from Reiss team experts, Reiss Engineering is well-positioned to implement this project from both the management and technical aspects.

Communication, Schedule and Cost Management

Critical to a project's success is the responsive and effective communication with the City's Project Team to quickly address issues that might impact schedule or cost. Continuous communication and frequently scheduled updates for City Staff will assist internal communication and reporting within the City. Further, our Team Leaders will be available at all times through direct cell phone and email contact. The schedule, once confirmed and approved by the City, will be the driving force for the project delivery. It is Reiss Engineering's standard to meet or exceed a project schedule once it is agreed to by our clients. Project deviations are not allowed without contract or scope of work changes. Reiss Engineering understands and will maintain the budget and schedule aligned within the City and Engineering Teams.

SECTION 5

References



Section 5

REFERENCES

1. **Client name:** Reclaimed Water Master Plan Updates – Seminole County, FL

Address: 500 West Lake Mary Blvd.,
Sanford, FL 32773

Contact person/Title: Terry McCue

Telephone: 407.339.6384

Fax: 407.339.6384

Email: tmccue@SeminoleCountyFl.gov

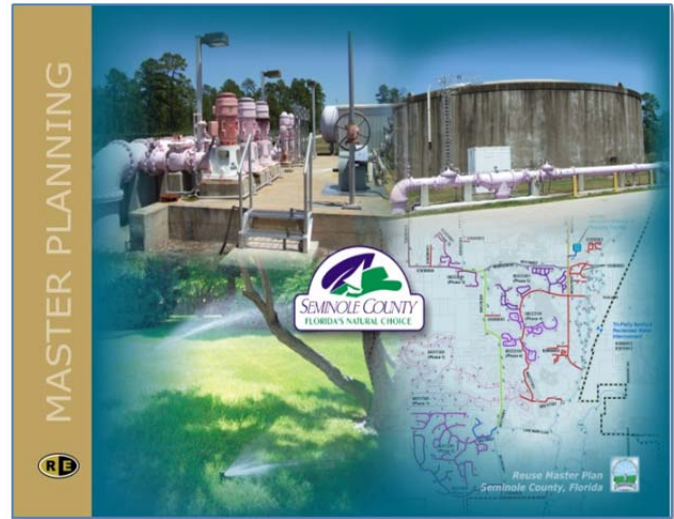
Year the project was completed: 2011

Total cost of the project: \$70,271.30

Description of work: Reiss Engineering provided wastewater and reclaimed water master planning services to the Seminole County Environmental Services Department. As part of the County's implementation of

over \$300 million in capital improvement projects, Reiss Engineering provided sound technical guidance to identify wastewater collection,

transmission, treatment and disposal improvements necessary to maintain utility services, as well as planning for storage and transmission of reclaimed water for the County's expanding reuse system.



Seminole County's plans for reuse were formalized by Reiss Engineering in a new Reuse Master Plan. As part of this effort, Reiss Engineering updated existing reuse hydraulic models, and constructed new models based on plans for phased construction of new reuse systems to be retrofitted into existing residential areas. Reuse demand projections were also developed from the County's existing billing database, growth and future land use projections, and information generated from the County's ongoing Consumptive Use Permit (CUP) negotiations. System hydraulic models were then used to size future pipelines and pump stations, and to locate the size required storage and repump facilities throughout the growing service area.

Model calibration efforts have been initiated, in addition to initiating an update of the overall Reuse Plan. Update tasks included staging of annual reuse water sources with residential retrofits as they become operational, and coordination of reuse demand projections with finalized CUP values.

2. **Client name:** Wastewater Master Plan Updates – City of Melbourne
Address: 2885 Harper Road, Melbourne, FL 32904
Contact person/Title: Mr. Harold Nantz, P.E., Assistant Public Works and Utilities Director
Telephone: 321.674.5761
Fax: 321.674.5765
Email: hnantz@melbournflorida.org
Year the project was completed: 2009
Total cost of the project: \$227,435.00

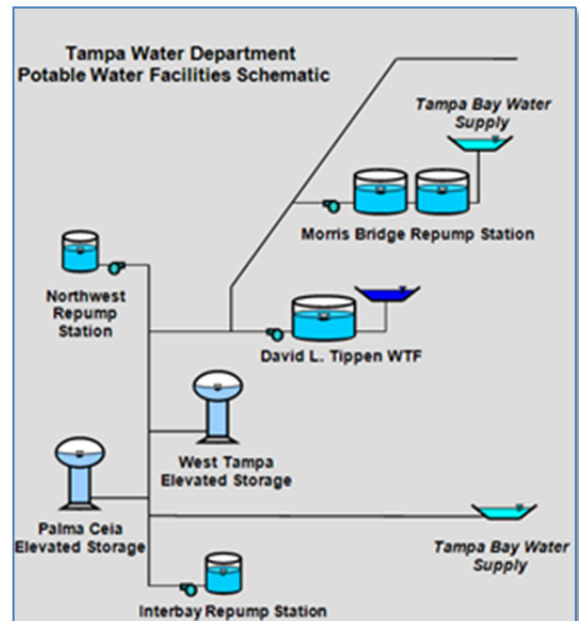


Description of work: The City of Melbourne (City) provides water, wastewater and reuse service to one of the premier communities in Brevard County, as well as several adjacent communities. The City has recently experienced changes in growth and in the economy, which has prompted a need to reevaluate existing capital infrastructure within the City. In response to address some of the critical infrastructure needs to continue to provide safe and reliable service to new and existing customer's the City has implemented a Wastewater Collection/Transmission Master Plan project. Reiss Engineering, Inc's focus of this Wastewater Collection and Transmission Master Plan was to up-date the assessment of the City's needs. The next step was to develop a capital improvements program (CIP) and an associated schedule that will detail the necessary projects for the City to implement, throughout the planning period that will expand, repair, replace and maintain the wastewater collection system to meet the level of service required by the City, in the most economical manner. The specific approach to this Plan was as follows:

- Processed historical data and assessed existing infrastructure condition, capacity and infiltration and inflow.
- Developed a 10-year sewer service area, service population projections, septic conversion and sewage flow projections.
- Developed a hydraulic model to simulate wastewater gravity mains, force mains and lift stations. Developed alternatives to meet future flow projections, schedule repair and replacement and addressed infiltration and inflow.
- Assessed special conditions including treatment capacity, flow diversion, stand-by power, odor control, corrosion control and telemetry.
- Developed an Up-Dated 10-Year CIP and implementation support.

Based on the results of the master planning effort, Reiss Engineering developed three alternative CIP scenarios in addition to the City's existing, proposed CIP. It was concluded that the most pressing need was to relieve the existing collection system capacity issues, which would take precedent over planned gravity re-lining projects. Prioritizing projects to meet the City's existing wastewater collection budget was selected to help keep wastewater user charges as low as possible over the next two years.

3. **Client name:** Potable Water Master Plan
-City of Tampa
Address: 306 E. Jackson St., 5E, Tampa, FL 33602
Contact person/Title: Ms. Seung Park, Chief Planning Engineer
Telephone: 813.274.7095
Fax: 813.274.7435
Email: Seung.Park@TampaGov.net
Year the project was completed: 2009
Total cost of the project: \$255,460
Description of work: The Tampa Water Department (TWD) provides treatment and delivery of drinking water to a population of approximately 645,000 people in a service area that encompasses 211 square miles. In addition to providing water service to the residents of the City, the TWD also provides service to portions of the unincorporated Hillsborough County and the City of Temple Terrace.



The TWD faces the challenge of expanding and maintaining its potable water supply, treatment and transmission infrastructure to continue the high standard of service to its customers. Challenges including aging pipes and equipment, new and re-development, more stringent water quality regulations and rising labor and material costs needed to be addressed to prioritize allocation of the TWD's available funding.

To help meet these objectives, Reiss Engineering, Inc. was contracted by the TWD to assist with preparation of a Potable Water Master Plan and a 10-Year Work Plan. This Master Plan provided the TWD recommended capital improvements and implementation strategies for the next 10-years, designed to meet a 20-year planning horizon (Year 2030).

4. Client name: Polk County Water Supply Plan

-City of Polk County

Address: 1011 Jim Keene Blvd., Winter Haven, FL 33880

Contact person/Title: Mr. Mario Chavez, Capital Projects Manager, Utilities

Telephone: 863.298.4167

Fax: 863.298.4105

Email: mariochavez@polk-county.net

Year the project was completed: July 2009

Total cost of the project: \$955,300.00

Description of work: The purpose of the Polk County Comprehensive Water Supply Plan was to identify and investigate new supplemental water supplies as a means to provide potable and non-potable water to Polk County and its 17 local governments to meet future demands.



The objective of this project was to identify real, definable and implementable water supply strategies, including projects that were immediate and viable. The process of exploring supplemental water supplies had been extremely challenging for the 3 Polk County municipalities in the CFCA and 14 municipalities in the SWUCA, since many of the water supply alternatives under consideration had technical, economic and regulatory limitations and/or restrictions. In addition, the viability of many water supply alternatives were heavily influenced by the policy decisions of the various Water Management Districts. As a means of meeting the challenges associated with water supply planning, the County identified certain priorities and objectives in this planning process, and requested that Reiss Engineering, Inc. address these objectives through the development of the Comprehensive Water Supply Plan.

As part of this Comprehensive Water Supply Planning effort, Reiss consolidated information regarding potable water demands and existing potable water supplies. Analysis of various options included permissibility, design considerations according to location and volume, economic considerations, and integration into the existing system. The final product was a matrix of supplemental water supply alternatives, and a comprehensive, concise master plan for the adequate and sustainable provision of water supply over the course of the planning period.

5. Client name: Northwest Regional Reclaimed Water Feasibility Study – City of Ocoee

Address: 1800 A.D. Mims Road, Ocoee, FL 34761

Contact person/Title: Mr. Charles Smith, P.E., Utilities Director

Telephone: 407.905.3159

Fax: 407.877.5899

Email: Charles.Smith@ocoe.org

Year the project was completed: 2009

Total cost of the project: \$19,300.00

Description of work: The City of Ocoee (City) owns and operates potable water, wastewater, and public access reuse systems within the City's utility service boundary in Orange County, Florida. The City's current customer base is primarily residential with a typical supporting commercial and light industrial mix. The City's reclaimed water distribution system provides alternative water for irrigation to a significant portion of its customers. The reclaimed water system is a vital part of meeting future water supply needs with pending potable water **consumptive use limitations**. The City is expanding the reclaimed water system to new developments and retrofitting existing subdivisions in the service area. The City's Wastewater Treatment Facility (WWTF) and wholesale connections with Orange County Utilities (OCU) will be the main sources of reclaimed water supply for expansion. The City completed an initial Reuse Feasibility Study in 1997, an updated Regional Water Master Plan in 2001, and an update of the Reuse Feasibility Plan in July 2007. The City currently needs additional reclaimed water supply to serve in-ground reuse distribution systems currently fed with potable water. The nearby Orange County, Florida Northwest WWTF has surplus reclaimed water supply available.

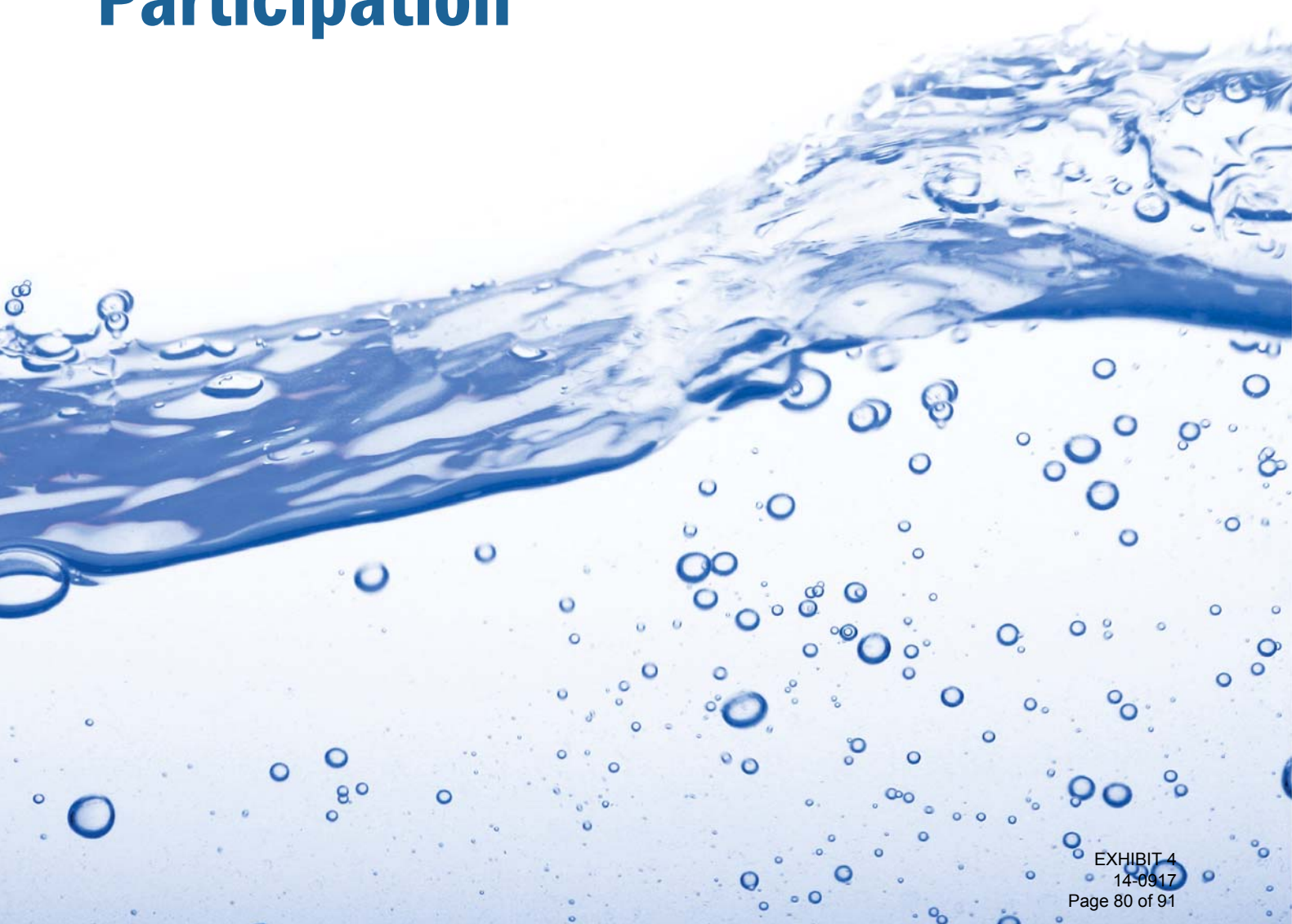
Reiss Engineering developed specific storage and transmission main location and sizing to implement Ocoee's reclaimed system expansion including the SJRWMD's regional water supply project: the Northwest Reuse Re-Pump Station and Interconnection Mains Project. This was a high priority project on the SJRWMD's March 2010 Water Supply Planning project list. The following tasks are a general list of the services performed under this authorization to support the City's water supply planning:

- Identified service area supply and demand characteristics
- Created and populated a reclaimed water hydraulic model
- Located and sized key pumping, storage and transmission infrastructure utilizing hydraulic model and GIS mapping/routing applications
- Prioritized neighborhood retrofits to optimize potable water offset
- Prepared a 10-year work plan to support the regional project and City expansion
- Completed a Reclaimed Water Feasibility Update report

From the analysis and completed during this important project, the City has a new plan in place to move forward with reclaimed water expansion and interconnection with Orange County Utilities and other regional entities to maximize available reclaimed water supply and potable water offset.

SECTION 6

Minority/Women (M/WBE) Participation



**Section
6**

MINORITY/WOMEN PARTICIPATION

Reiss Engineering, Inc. is not a certified M/WBE firm. Reiss' planned efforts for this project in meeting M/WBE procurement goals is including a sub-consultant who is M/WBE certified. The following certified M/WBE certification is from Hillers Electrical Engineering, Inc.




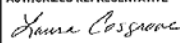
SECTION 7

Sample Insurance Certificate



**Section
7**

SAMPLE INSURANCE CERTIFICATE

		CERTIFICATE OF LIABILITY INSURANCE		DATE (MM/DD/YYYY) 9/25/2013		
THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.						
IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).						
PRODUCER Eidson Insurance, A Marsh&McLennan Agency 2807 Edgewater Drive Orlando FL 32804			CONTACT NAME: PHONE (A/C No. Ext): (407) 849-0333 FAX (A/C No.): (407) 425-5694 E-MAIL: ADDRESS:			
INSURED Reiss Environmental, Inc. & Reiss Engineering, Inc 1016 Spring Villas Pt. Winter Springs FL 32708			INSURER(S) AFFORDING COVERAGE NAIC # INSURER A: Continental Casualty Company 20443 INSURER B: Auto-Owners Insurance Co. 18988 INSURER C: American Cas. Co. of Reading 20427 INSURER D: Companion Property & Casualty 12157 INSURER E: INSURER F:			
COVERAGES CERTIFICATE NUMBER: Cert ID 39423 REVISION NUMBER:						
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.						
INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
C	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:		2075095657	9/21/2013	9/21/2014	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS-COMPOD AGG \$ 2,000,000 \$
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS		4472389700	8/19/2013	8/19/2014	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR EXCESS LIAB CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000		2091445161	9/21/2013	9/21/2014	EACH OCCURRENCE \$ 1,000,000 AGGREGATE \$ 1,000,000 \$
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Indicate in R/U) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N/A	BNA3643796	9/21/2013	9/21/2014	<input checked="" type="checkbox"/> PER <input type="checkbox"/> STATUTE <input type="checkbox"/> OTHER EL EACH ACCIDENT \$ 1,000,000 EL DISEASE - EA EMPLOYEE \$ 1,000,000 EL DISEASE - POLICY LIMIT \$ 1,000,000
A	Professional Liability Full Prior Acts		AEH288355198 Claims Made	7/9/2013	7/9/2014	Liability-Each Claim/Aggregate \$ 2,000,000 Retention \$ 25,000
DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required) Proof of Insurance Only.						
CERTIFICATE HOLDER **For Information Purposes Only**			CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 			

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ACORD 25 (2013/04)

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SECTION 8

Joint Ventures



**Section
8**

JOINT VENTURES

Reiss Engineering, Inc. will pursue this submittal as a Prime and not as a Joint Venture.



SECTION 9

Subconsultants



Section 9

SUBCONSULTANTS



HEE has been in business since 1994 and is located in Boca Raton, Florida with branches in Hollywood, Miami and Orlando. Hilliers Electrical Engineering, Inc. (HEE) is a M/WBE Certified company and brings over 200 years of combined, unsurpassed experience, expertise, and personalized service in electrical engineering design, control application programming, and construction management. Our electrical design services include power, control, instrumentation, telemetry, start-up assistance, construction management services and PLC/computer programming for County and State municipal agencies as well as private industry.

Hiller's technical resources are fully equipped with state-of-the-art computer systems and engineering software to help ensure a quality and cost-effective product. Software programs include AutoCAD SKM fault current/coordination/arc flash program, generator sizing programs, and 3 dimensional lighting calculations program.

HEE design staff brings vast electrical, instrumentation and telemetry design and project management experience in a variety of areas such as raw water wells, ASR and DIW wells, water treatment facilities, water distribution systems, wastewater collection systems, wastewater treatment facilities including reuse, storm water and treatment pumping stations, DOT roadway systems, major air carrier and general aviation airports terminals & airfield electrical & lighting systems,. HEE, as part of an energy team, has performed an energy audit on all of Palm Beach County water treatment and wastewater treatment facilities.



JLA Geosciences, Inc. was established in 2003 to provide clear solutions for its clients based on an in-depth knowledge of hydrogeology, groundwater, well systems, regulations, and issues that affect water supply development. Our firm's success has been largely due to our absolute "hands on" approach and involvement in every project. The principal hydrogeologists and professional geologists at JLA have the experience and local presence to make the right choices when and where it is needed: on time and on site. JLA maintains the firm belief that hydrogeology is a field science and that a successful hydrogeologic consultant must consistently provide excellence in the field.

JLA has State of Florida registered professional geologists (PGs) with local and nationwide experience in geology, geochemistry, hydrogeology, and groundwater modeling. The principals' groundwater resources experience includes work on over 50 different wellfields including 30 major municipal and smaller private utilities, expertise in water supply for nanofiltration (NF) and reverse osmosis (RO) water treatment systems, wastewater evaluation, and underground injection related services. JLA principals and staff have completed work on over 80 Upper Floridan Aquifer (UFA) supply wells since 1985 and hundreds of other wells located throughout south and central Florida.

JLA routinely performs hydrogeologic consulting services encompassing all aspects of raw water well design, associated studies, bid document production and construction phase services through well facility startup. JLA has expertise in water supply regulation and permitting. JLA principal Paul Stout, Ph.D., P.G., previously worked for South Florida Water Management District (SFWMD) as a senior water use permit reviewer for applications from the largest public water suppliers, and along with JLA President Jim Andersen, P.G have provided regulatory liaison services for numerous clients throughout South Florida. Dr. Stout is also is an expert groundwater modeler, having constructed and applied models for dozens of projects located throughout South Florida. JLA has extensive experience with rehabilitation and reconstruction of older surficial and Upper Floridan Aquifer wells. JLA was selected by five public water utilities in Palm Beach County specifically to address well rehabilitation and older well reconstruction. JLA Geosciences success is attributable to its ability to consistently produce wells that exceed expectations in terms of both water quality and capacity. JLA accomplishes this by implementing smart and efficient construction and testing approaches that save money rather than waste it on elaborate overly technical studies and by providing hydrogeologists with extensive field experience on site. Our knowledge of aquifer systems and groundwater flow enable JLA to make the right decision in helping utilities manage water supplies.



is a Southeast Florida-based hydrogeologic consulting firm specializing in deep injection well system design, permitting, mechanical integrity testing, resident construction observation, and reporting services. Their focus is to provide efficient, value-oriented services to every one of our clients. The staff at McNabb Hydrogeologic Consulting offer over 33 years of Florida hydrogeology consulting experience, most of which has been focused on deep injection systems. Company staff's strong rapport with regulators and a thorough understanding of regulatory issues related to deep injection well system design, permitting, testing, construction and operation allow us to minimize permitting time and capital costs for our clients.

The company's client list includes both private and municipal clients. Representative recent well project clients include Coral Springs Improvement District, Fort Pierce Utilities Authority, City of Port St. Lucie, Martin County Utilities, Palm Beach County Water Utilities Department, East Central Regional Water Reclamation Facility in West Palm Beach, Okeechobee Utility Department, City of Lake Worth, City of Key West, and Florida Power & Light. The firm is located in Jupiter, Florida and is a **Palm Beach County certified Small Business Enterprise (SBE)**. The company started off as a one-person firm in 2006 and grew to include another individual with extensive injection well experience in 2008.

SECTION 10

Non-Collusion Statement



NON-COLLUSION STATEMENT:

By signing this offer, the vendor/contractor certifies that this offer is made independently and *free* from collusion. Vendor shall disclose below any City of Fort Lauderdale, FL officer or employee, or any relative of any such officer or employee who is an officer or director of, or has a material interest in, the vendor's business, who is in a position to influence this procurement.

Any City of Fort Lauderdale, FL officer or employee who has any input into the writing of specifications or requirements, solicitation of offers, decision to award, evaluation of offers, or any other activity pertinent to this procurement is presumed, for purposes hereof, to be in a position to influence this procurement.

For purposes hereof, a person has a material interest if they directly or indirectly own more than 5 percent of the total assets or capital stock of any business entity, or if they otherwise stand to personally gain if the contract is awarded to this vendor.

In accordance with City of Fort Lauderdale, FL Policy and Standards Manual, 6.10.8.3,

3.3. City employees may not contract with the City through any corporation or business entity in which they or their immediate family members hold a controlling financial interest (e.g. ownership of five (5) percent or more).

3.4. Immediate family members (spouse, parents and children) are also prohibited from contracting with the City subject to the same general rules.

Failure of a vendor to disclose any relationship described herein shall be reason for debarment in accordance with the provisions of the City Procurement Code.

<u>NAME</u>	<u>RELATIONSHIPS</u>
N/A	

In the event the vendor does not indicate any names, the City shall interpret this to mean that the vendor has indicated that no such relationships exist.


Authorized Signature

6/10/14
Date



REISS ENGINEERING

1451 W. Cypress Creek Road
Suite 300
Ft. Lauderdale, FL 33309

Ph: (786) 416-0427
Fax: (954) 337-2835

www.reisseng.com