

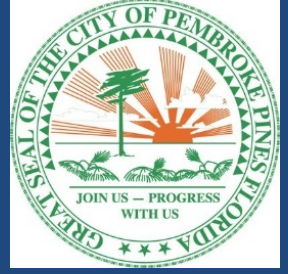
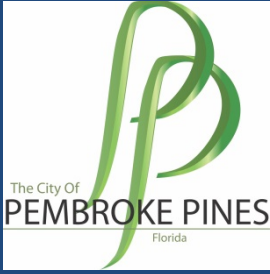
Hillers Electrical Engineering

Bid Contact **Jacki Yasin** Address **23257 State Rd 7**
jacki.yasin@hillersee.com Suite 100
Ph 561-451-9165 Boca Raton, FL 33428
 Qualifications PP-DRUGFREE PP-EQUAL PP-LBTR PP-LOCAL PP-SCRUTINIZED PP-SWORN PP-
 VENDORINFO PP-VOSB PP-W9
 Bid Notes **No bid price is requested with this submittal.**

Item #	Line Item	Notes	Unit Price	Qty/Unit	Attch.	Docs
PSUT-19-01--01-01	Please Submit Documents Here	Supplier Product Code:	First Offer - \$0.00	1 / each	\$0.00	Y Y
Supplier Total					\$0.00	

Hillers Electrical Engineering**Item: Please Submit Documents Here****Attachments**

Hillers RFQPSUT-19-01.pdf



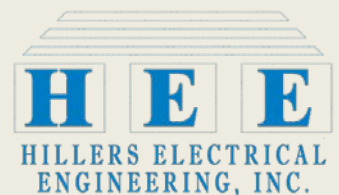
POWER ELECTRICAL ENGINEERING SERVICES FOR THE UTILITIES DIVISION

RFQ#PSUT-19-01

May 7, 2019



Hillers Electrical Engineering, Inc.
23257 State Road 7, Suite 100
Boca Raton, FL 33428
561.451.9165
phillers@hillersee.com



TAB 1



LETTER OF INTEREST





Letter of Interest

May 7, 2019

Clerk's Office
City of Pembroke Pines
Purchasing Department
601 City Center Way, 4th Floor
Pembroke Pines, FL 33025

**City of Pembroke Pines Power Electrical Engineering Services for the Utilities Division –
RFQ# PSUT-19-01**

To whom it may concern:

Hilliers Electrical Engineering, Inc. (Hilliers Team) is pleased to present our letter of interest and qualifications to provide Electrical, Instrumentation and Control Engineering Services to the City of Pembroke Pines Utilities Division (City). Pursuant to your request, we have included one (1) electronic version via Bid Sync of the required information for your consideration.

Established in 1994, the Hilliers Team provides Electrical, Instrumentation and Control Engineering Services for the municipal water and wastewater market throughout South Florida and we are strongly committed to establishing a successful long term relationship with the City of Pembroke Pines. The Hilliers Team is nineteen (19) employees strong with eight (8) professional engineers on staff who bring a wealth of knowledge and experience in subjects of electrical, instrumentation, control, SCADA and telemetry systems to this contract.

The Hilliers Team is an experienced, full time staff of in-house engineering professionals who provide proven, high-quality, consulting services for any volume of assigned electrical, instrumentation, control, SCADA or Telemetry tasks that the City may require. The Hilliers Team is experienced in serving as a prime consultant on similar Professional Consulting Services on a continuing basis contracts for Palm Beach County Water Utilities, City of West Palm Beach and the Village of Wellington Utilities for Electrical, Instrumentation and Telemetry consulting engineering services.

To ensure success of this contract, the Hilliers Team pledges to provide the City high quality, cost effective, engineering services that will meet your entire project technical requirement, budgetary constraints and scheduling needs. We are committed to working as a partner with the City to accomplish your goals and objectives and to overcome all project challenges. Project tasks performed by our firm **will be accomplished accurately, on schedule and within budget constraints**. The key to maintaining a long-term relationship is responsiveness. The Hilliers Team takes great pride in ensuring that we are immediately accessible and responsive to our client's needs. This is demonstrated in the excellent, long-term relationships we have established with many municipalities and environmental consulting firms in Florida and, especially, in South Florida. Our company is local; The Hilliers Team is based in Boca Raton with all of our employees living within Palm Beach County or Broward County. We are confident that our references will attest to the responsiveness, quality and integrity of our work.

The Hilliers Team has vast electrical, instrumentation, control and SCADA/telemetry design, analysis, condition assessment, project management and construction management experience in a variety of water and wastewater treatment market areas such as: raw water wells; ASR and DIW wells; water treatment facilities (including membrane technology plants); water distribution systems; wastewater collection and pumping systems; water reclamation facilities; reclaimed water treatment and distribution facilities; and storm water and treatment pumping stations.



**City of Pembroke Pines Power Electrical Engineering Services
for the Utilities Division – RFQ# PSUT-19-01**

Our office is fully equipped with state-of-the-art computer systems and engineering software to facilitate high quality and cost-effective solutions. In-house engineering related software programs include the latest releases of AutoCAD; SKM Power Tools® for Windows (fault current/coordination/arc flash program); generator sizing programs; and 3 dimensional lighting calculation programs. We also have LEED certified engineers on staff to assist the City in meeting any “Green” project initiatives.

The City of Pembroke Pines is committed to providing the highest quality water treatment services to the residents of Pembroke Pines and to ensure the health, welfare and safety of the general public. In fulfilling this commitment, reliability of the collection, distribution, and treatment systems that constitute the utility are key. Specifically, it is of utmost importance to have reliable and operable electrical power to all of the equipment in the water and wastewater treatment processes, including the collection and distribution systems. It is equally important to have stable, flexible and expandable process control systems and remote telemetry/SCADA systems to properly monitor and control the various utility system processes in maintaining the highest quality of service. In supporting the City’s commitment, the following electrical, instrumentation, control and telemetry features are of significant importance:

- Reliable operation of electrical power distribution systems, including redundancy where applicable and/or prudent.
- Availability of on-site back-up power in the event of a utility power outage.
- Understanding the condition of electrical and control components and planning for renewal and replacement.
- State-of-the-art process control systems that are maintainable and SCADA systems that are user friendly.
- Robust and reliable telemetry systems conveying accurate data and commands.

In providing high quality consulting services through the prime consulting contract, the Hillers Team will successfully assist the City of Pembroke Pines with addressing each of these subjects throughout the utility system. These subjects are ongoing, evolving challenges that the utility will continue to face into the future.

The Hillers Team is a **cost effective, responsive, accessible,** and **technically sound** group of professionals that has the expertise necessary to successfully serve the City of Pembroke Pines for this consulting contract. Through our successful history, the Hillers Team has insight into the needs and challenges faced by the City and are in a unique position to assist in addressing those needs and challenges. As President, and primary project manager, I pledge my personal commitment to establish a successful relationship with this contract. The Hillers Team appreciates the opportunity to present our qualifications and, if favorable to the City of Pembroke Pines, look forward to providing excellent consulting engineering services in the near future.

Please do not hesitate to contact us if additional information is needed during the evaluation and selection process.

Sincerely,

A handwritten signature in black ink that reads "P. Hillers".

Paul Hillers, PE
President
Hillers Electrical Engineering, Inc.
(561)-451-9165 x221
phillers@hillersee.com

TAB 2



STANDARD FORM 330



ARCHITECT - ENGINEER QUALIFICATIONS

PART I - CONTRACT-SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

1. TITLE AND LOCATION *(City and State)*

2. PUBLIC NOTICE DATE

3. SOLICITATION OR PROJECT NUMBER

B. ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE

5. NAME OF FIRM

6. TELEPHONE NUMBER

7. FAX NUMBER

8. E-MAIL ADDRESS

C. PROPOSED TEAM

(Complete this section for the prime contractor and all key subcontractors.)

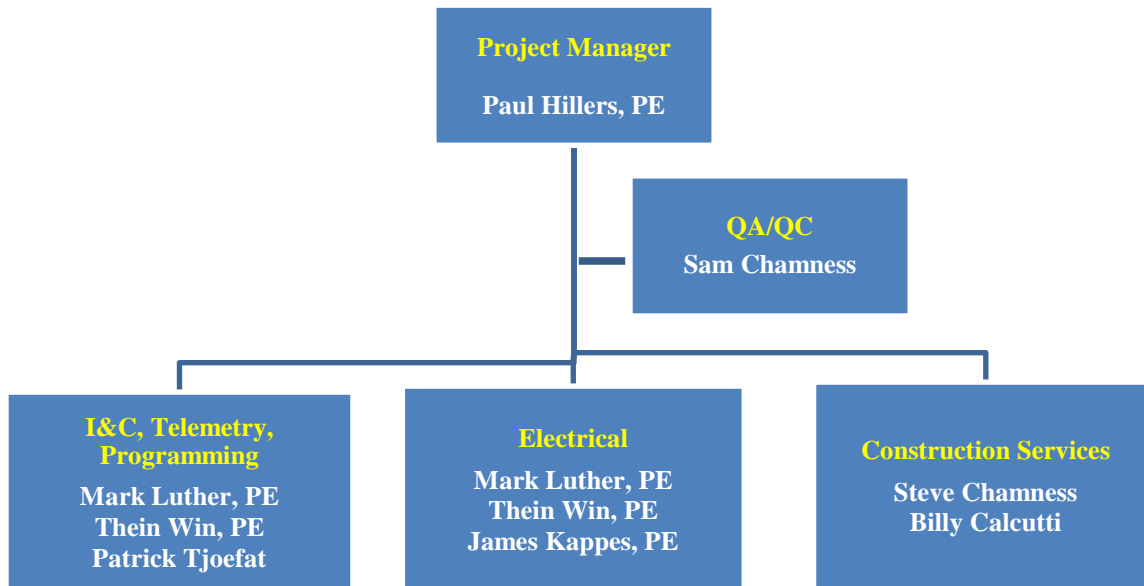
		<i>(Check)</i>			9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
		PRIME	J-V	SUBCON-TRACTOR			
a.							
					<input type="checkbox"/> CHECK IF BRANCH OFFICE		
b.							
					<input type="checkbox"/> CHECK IF BRANCH OFFICE		
c.							
					<input type="checkbox"/> CHECK IF BRANCH OFFICE		
d.							
					<input type="checkbox"/> CHECK IF BRANCH OFFICE		
e.							
					<input type="checkbox"/> CHECK IF BRANCH OFFICE		
f.							
					<input type="checkbox"/> CHECK IF BRANCH OFFICE		

D. ORGANIZATIONAL CHART OF PROPOSED TEAM

☐ *(Attached)*



The Hillers Team



HEE KEY TEAM MEMBERS (LOCATED IN BOCA RATON)

NAME	EXPERIENCE	LICENSES	EDUCATION
Paul Hillers, P.E.	<ul style="list-style-type: none"> * 38 years electrical design, I&C, construction services * President of HEE for 25 years * Water Treatment: Membrane, Lime Softening, Wells * Wastewater: Collection, Treatment, Disposal, Reclaim * Pumping Stations: Master Lift Stations, Master Pump Stations, Re-pump Facilities, Stormwater * SCADA/Telemetry Systems 	PE#41022	MSEE, 1981 BSEE, 1979 Louisiana State University
Mark Luther, P.E.	<ul style="list-style-type: none"> * 32 years electrical design, I&C, SCADA, Telemetry * Chief Electrical Engineer: 22 years with HEE * Water Treatment: Membrane, Lime Softening, Wells * Wastewater: Collection, Treatment, Disposal, Reclaim * Pumping Stations: Master Lift Stations, Master Pump Stations, Re-pump Facilities, Stormwater * Short Circuit, Device Coordination, Arc Flash Studies 	PE#48801	BSEE, 1987 Boston University
Thein Win, P.E.	<ul style="list-style-type: none"> * 18 years electrical design, I&C, SCADA, Telemetry * Senior Electrical, I&C Engineer: 18 years with HEE * Water Treatment: Membrane, Lime Softening, Wells * Wastewater: Collection, Treatment, Disposal, Reclaim * Pumping Stations: Master Lift Stations, Master Pump Stations, Re-pump Facilities, Stormwater * SCADA PLC/HMI Programming 	PE#65722	BSEE, 2001 Alfred University

10E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each person)			
12. NAME Paul Hillers, P.E.		13. ROLE IN THIS CONTRACT Project Manager	
		14. YEARS EXPERIENCE	
		a. TOTAL 38	b. WITH CURRENT FIRM 25
15. FIRM NAME AND LOCATION (City and State) Hillers Electrical Engineering, Inc, Boca Raton, Florida			
16. EDUCATION (Degree and Specialization) BSEE/1979/ Electrical Engineering MSEE/1981/Electrical Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Florida Professional Engineer-41022	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Institute of Electrical and Electronic Engineers (IEEE), Instrument Society of America (ISA)			
19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION (City and State) City of Pembroke Pines – Eastern Wellfield Electrical Improvements	(2) YEAR COMPLETED:	
		PROFESSIONAL SERVICES 2018	CONSTRUCTION (if applicable) Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager – Design replacement of electrical distribution systems for four (4) wellfield pumps, motor control center, three (3) variable frequency drives (VFD) and site lighting. Included on-site verifications, reviewing of record documentation, new lightning protection systems, grounding systems and surge suppression systems		
b.	(1) TITLE AND LOCATION (City and State) Palm Beach County WUD – WTP 9 Emergency Generator Replacement	(2) YEAR COMPLETED:	
		PROFESSIONAL SERVICES 2013	CONSTRUCTION (if applicable) 2016
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager – Provided electrical design and construction inspection services for replacement emergency generator that meets current EPA requirements (Tier 4 Final rating). Project includes designing new Tier 4 Final generator, new After-treatment system, Urea system, exhaust silencers, as well as temporary generator during the construction period.		
c.	(1) TITLE AND LOCATION (City and State) Palm Beach County WUD – WTP 2 Filter Replacement	(2) YEAR COMPLETED:	
		PROFESSIONAL SERVICES 2013	CONSTRUCTION (if applicable) 2016
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager – Electrical, Fire Alarm, and instrumentation & control design for New Filters at WTP2, including designing new electrical distribution for the Filter Building and process, new switchboard, new motor control center (MCC), new variable frequency drives (VFD's), new solid state reduced voltage starters (SSRVs). Instrumentation and control/SCADA and new PLC control panel, RIO panel. New Fire Alarm System compliance with County ESS department requirements is also included.		
d.	(1) TITLE AND LOCATION (City and State) Palm Beach County WUD – New Production Wells for Wellfields 2, 3, and 8 (CSA 5 and 10), Palm Beach County, FL	(2) YEAR COMPLETED:	
		PROFESSIONAL SERVICES 2013	CONSTRUCTION (if applicable) 2015
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager – Provided project management, implementation design, installation and replacement of existing Allen-Bradley PLC-5 model with new up-to-date Allen-Bradley ControlLogix PLC model and associated I/O modules. Project consists of redesigning new communication loop while existing loop is still in operation, identifying what correct model for PLC-5 template adapter to replace with new I/O modules to minimize the re-wiring of the I/O points and implementing replacement of PLC by process area to minimize the system downtime..		
e.	(1) TITLE AND LOCATION (City and State) East Central Regional (ECR) Reclaimed Water System Short Circuit, Device Coordination & Arc Flash Analysis	(2) YEAR COMPLETED:	
		PROFESSIONAL SERVICES 2015	CONSTRUCTION (if applicable) 2016
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager – perform short circuit device coordination and arc flash study for ECR Reclaimed Water System. Project includes project management to meet the client expectation and deadlines, field data collection and verification, input data into the SKM program to model the study, perform short circuit device coordination and arc flash analysis, field set the device settings and apply arc flash labels.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT*(Complete one Section E for each key person.)*

12. NAME Mark Luther, PE		13. ROLE IN THIS CONTRACT Chief Electrical Engineer		14. YEARS EXPERIENCE	
				a. TOTAL 32	b. WITH CURRENT FIRM 21
15. FIRM NAME AND LOCATION <i>(City and State)</i> Hillers Electrical Engineering, Inc., Boca Raton, Florida					
16. EDUCATION (DEGREE AND SPECIALIZATION) BSEE, Electrical Engineering			17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> PE / FL – Electrical Engineering		
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Mark Luther brings over 32 years of electrical, communication, and control system design experience. He has actively performed electrical, lighting, communication, fire alarm and instrumentation and control system design/SCADA, upgrade and project engineering for government, transportation, facility, and utility business sectors. Designed complete electrical distribution, secondary systems and instrumentation systems for large water and wastewater treatment facilities. Designed emergency stand by power systems for industrial, commercial facilities, completed startups, testing of electrical systems, cost estimates and master plan electrical studies. Skills include: value engineering, cost analysis, specification creation, energy analysis, on-site inspections, condition assessment, QA/QC reviews and electrical system fault and coordination studies. Proficiency with SKM Power Tools for Windows DAPPER, CAPTOR, TMS and ARC FLASH; AutoCAD, LitePRO.					
19. RELEVANT PROJECTS					
(1) TITLE AND LOCATION <i>(City and State)</i> Broward County Water and Wastewater Services – NRWWTP Reclaim System Expansion, Pompano Beach, FL		(2) YEAR COMPLETED			
		PROFESSIONAL SERVICES 2015		CONSTRUCTION <i>(if applicable)</i> Under Construction	
a.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Provided electrical, instrumentation and control engineering, for the Solids Dewatering Building component upgrade to headworks and five (5) grit removal structures. Specific Role: Electrical, Instrumentation & Control Engineer of Record.				
(1) TITLE AND LOCATION <i>(City and State)</i> City of Sunrise Utilities – Springtree WWTP Headworks Upgrade, Sunrise, FL		(2) YEAR COMPLETED			
		PROFESSIONAL SERVICES 2018		CONSTRUCTION <i>(if applicable)</i> Permitting/Bidding	
b.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Performed Electrical, Instrumentation and Control Design for Upgrade of existing plant pretreatment process. Specific Role: Electrical, Instrumentation & Control Engineer of Record.				
(1) TITLE AND LOCATION <i>(City and State)</i> Palm Beach County Water Utilities –Southern Regional Water Reclamation Facility, Boynton Beach, FL		(2) YEAR COMPLETED			
		PROFESSIONAL SERVICES 2018		CONSTRUCTION <i>(if applicable)</i> Under Construction	
c.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Performed Electrical, Instrumentation and Control Design for Upgrade of existing plant pretreatment process and related power distribution system. Specific Role: Electrical, Instrumentation & Control Engineer of Record				
(1) TITLE AND LOCATION <i>(City and State)</i> South Florida Water Management District-S-5A Repowering and Automation, West Palm Beach, FL		(2) YEAR COMPLETED			
		PROFESSIONAL SERVICES 2017		CONSTRUCTION <i>(if applicable)</i> Under Construction	
d.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Designed electrical, instrumentation and control systems for the rehabilitation and automation of largest District Flood Control Pump Station. Specific Role: Electrical, Instrumentation & Control Engineer of Record				
(1) TITLE AND LOCATION <i>(City and State)</i> Broward County Water and Wastewater Services – NRWWTP Reclaim System Expansion, Pompano Beach, FL		(2) YEAR COMPLETED			
		PROFESSIONAL SERVICES 2017		CONSTRUCTION <i>(if applicable)</i> Under Construction	
e.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Designed Instrumentation and Control System for 22MGD reclaimed process upgrade. Specific Role: Instrumentation and Control Engineer of Record				

10E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each person)			
12. NAME Thein Win, P.E.		13. ROLE IN THIS CONTRACT Senior Project Engineer	
		14. YEARS EXPERIENCE	
		a. TOTAL 18	b. WITH CURRENT FIRM 18
15. FIRM NAME AND LOCATION (City and State) Hillers Electrical Engineering, Inc, Boca Raton, Florida			
16. EDUCATION (Degree and Specialization) BSEE/2001 Electrical Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Florida Professional Engineer-65722	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Institute of Electrical and Electronic Engineers (IEEE), Instrument Society of America (ISA)), LEED AP			
19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION (City and State) Pembroke Pines WTP Carbon Dioxide (CO2) Injection System	(2) YEAR COMPLETED:	
		PROFESSIONAL SERVICES 2017	CONSTRUCTION (if applicable) 2019
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Senior Project Engineer – Electrical and instrumentation & control systems design and construction inspection services for construction of Pembroke Pine WTP CO2 injection system. Project consists of new power feed to CO2 Storage Tank, Vaporizer, Heater, carrier water booster pumps, dilution system, etc. and new instruments and control implementation for Plant PLC and SCADA system related to the CO2 system.		
b.	(1) TITLE AND LOCATION (City and State) Pembroke Pines Academic and Holly Lakes Booster Station Improvements	(2) YEAR COMPLETED:	
		PROFESSIONAL SERVICES 2016	CONSTRUCTION (if applicable) 2019
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Senior Project Engineer – Electrical and instrumentation & control systems design and construction inspection services for construction of Pembroke Pines Academic and Holly Lakes Booster Stations Improvements. Project consists of additional of altitude valves for ground storage tanks, PLC replacement, new hypochlorite storage tank with associated metering pump skids, new instruments, lighting, power outlets, grounding system related to the new hypochlorite structure.		
c.	(1) TITLE AND LOCATION (City and State) Palm Beach County WUD – WTP 2 Filter Replacement	(2) YEAR COMPLETED:	
		PROFESSIONAL SERVICES 2013	CONSTRUCTION (if applicable) 2016
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Senior Project Engineer – Electrical, Fire Alarm, and instrumentation & control design for New Filters at WTP2, including designing new electrical distribution for the Filter Building and process, new switchboard, new motor control center (MCC), new variable frequency drives (VFD's), new solid state reduced voltage starters (SSRVs). Instrumentation and control/SCADA and new PLC control panel, RIO panel. New Fire Alarm System compliance with County ESS department requirements is also included.		
d.	(1) TITLE AND LOCATION (City and State) Palm Beach County WUD – WTP 9 Emergency Generator Replacement	(2) YEAR COMPLETED:	
		PROFESSIONAL SERVICES 2013	CONSTRUCTION (if applicable) 2016
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Senior Project Engineer – Provided electrical design and construction inspection services for replacement emergency generator that meets current EPA requirements (Tier 4 Final rating). Project includes designing new Tier 4 Final generator, new After-treatment system, Urea system, exhaust silencers, as well as temporary generator during the construction period.		
e.	(1) TITLE AND LOCATION (City and State) East Central Regional (ECR) Reclaimed Water System Short Circuit, Device Coordination & Arc Flash Analysis	(2) YEAR COMPLETED:	
		PROFESSIONAL SERVICES 2015	CONSTRUCTION (if applicable) 2016
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Senior Project Engineer – perform short circuit device coordination and arc flash study for ECR Reclaimed Water System. Project includes project management to meet the client expectation and deadlines, field data collection and verification, input data into the SKM program to model the study, perform short circuit device coordination and arc flash analysis, and field set the device setting and apply arc flash labels.		

10E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each person)			
12. NAME James Kappes, P.E.		13. ROLE IN THIS CONTRACT Senior Project Engineer	
		14. YEARS EXPERIENCE	
		a. TOTAL 14	b. WITH CURRENT FIRM 14
15. FIRM NAME AND LOCATION (City and State) Hillers Electrical Engineering, Inc, Boca Raton, Florida			
16. EDUCATION (Degree and Specialization) BSEE/2005/Electrical Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Florida Professional Engineer-71499	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Proficiency with SKM Power Tools™ for Windows DAPPER, CAPTOR, Arc Flash and TMS; AutoCAD, and various generator sizing programs.			
19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION (City and State) City of Pembroke Pines – Eastern Wellfield Electrical Improvements	(2) YEAR COMPLETED:	
		PROFESSIONAL SERVICES 2018	CONSTRUCTION (if applicable) Ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer – Design replacement of electrical distribution systems for four (4) wellfield pumps, motor control center, three (3) variable frequency drives (VFD) and site lighting. Included on-site verifications, reviewing of record documentation, new lightning protection systems, grounding systems and surge suppression systems.			
b.	(1) TITLE AND LOCATION (City and State) Manatee County – Lake Manatee WTP Filter Upgrade	(2) YEAR COMPLETED:	
		PROFESSIONAL SERVICES 2017	CONSTRUCTION (if applicable) Ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer – Design of electrical and control distribution systems for four (3) new motor control centers, modifications to existing motor control centers, relocation of existing 5kV medium voltage cables, relocation of existing fiber optic cable systems, new variable frequency drives (VFD), new solid state reduce voltage starters (SSRVS), new instrumentation and control systems and new PLCs/RIOS. Included on-site verifications, reviewing of record documentation, design of new lighting/power/ fire alarm/lightning protection/grounding systems for new chemical building/existing filter building, coordination between various design and construction projects.			
c.	(1) TITLE AND LOCATION (City and State) Palm Beach County WUD – SRWRF Headworks and Effluent Transfer Pumping Improvements	(2) YEAR COMPLETED:	
		PROFESSIONAL SERVICES 2016	CONSTRUCTION (if applicable) Ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer – Design replacement of existing 4.16kV to 480V transformers/unitized substation and design electrical and instrumentation systems for four (4) new headwork screens and associated conveyors. Included on-site verifications, testing and calculations and reviewing of record documentation.			
d.	(1) TITLE AND LOCATION (City and State) Broward County Water and Waste Services – NRWTP Facility Improvements Project 9195 Phase III (3) Solids	(2) YEAR COMPLETED:	
		PROFESSIONAL SERVICES 2016	CONSTRUCTION (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer – Design of electrical and control distribution systems for four (4) new motor control centers, modifications to six (6) motor control centers, two (2) new centrifuges, new belt filter presses, new grinder pumps, new substate recirculation pumps, new skimmers, various new VFDs located in the Thickener Building, Southern Digester, Northern Digester and Dewatering Building. Included on-site verifications, reviewing of record documentation, design of new lighting systems, coordination between various design and construction projects.			
e.	(1) TITLE AND LOCATION (City and State) Palm Beach County WUD – WTP 3 Short Circuit, Device Coordination & Arc Flash Analysis	(2) YEAR COMPLETED:	
		PROFESSIONAL SERVICES 2015	CONSTRUCTION (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer – Performed a Short Circuit, Device Coordination & Arc Flash Analysis on WTP3's electrical power distribution systems for compliance with National Electrical Safety Code (NFPA 70E), National Electrical Code (NFPA 70) and IEE 1584. Included field visit for documentation of the existing plant electrical system, created model in SKM Power Systems, calculated available fault current; and performed arc flash evaluation to identify the PPE clothing for working on live equipment. Implemented recommendations for protective device settings and installed Arc flash labels on electrical equipment in the plant.			

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT*(Complete one Section E for each key person.)*

12. NAME Sam Chamness	13. ROLE IN THIS CONTRACT QA/QC	14. YEARS EXPERIENCE	
		a. TOTAL 44	b. WITH CURRENT FIRM 25

15. FIRM NAME AND LOCATION <i>(City and State)</i> Hillers Electrical Engineering, Inc, Boca Raton, Florida

16. EDUCATION (DEGREE AND SPECIALIZATION) Four Year JATC Training	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> N/A
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18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Sam Chamness brings over 44 years of experience in Electrical and I&C design and construction management, including project management, installation supervision, shop drawing submittal review, testing, start-ups and construction observation of high, medium and low voltage distribution systems, instrumentation and control systems, interior and exterior lighting systems, fire alarm and security systems, camera systems, time and attendance, telephone systems, supervisory control and data acquisition (SCADA) systems, PLC programming, energy management systems, normal and stand by emergency generation systems and power.
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19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
City of Pembroke Pines – Eastern Wellfield Electrical Improvements	PROFESSIONAL SERVICES 2018	CONSTRUCTION <i>(if applicable)</i> Ongoing
a.(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Design replacement of electrical distribution systems for four (4) wellfield pumps, motor control center, three (3) variable frequency drives (VFD) and site lighting. Included on-site verifications, reviewing of record documentation, new lightning protection systems, grounding systems and surge suppression systems. Specific Role: QA/QC		
(1) TITLE AND LOCATION <i>(City and State)</i> Pembroke Pines WTP Carbon Dioxide (CO2) Injection System	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(if applicable)</i> 2019
b.(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Electrical and instrumentation & control systems design and construction inspection services for construction of Pembroke Pine WTP CO2 injection system. Project consists of new power feed to CO2 Storage Tank, Vaporizer, Heater, carrier water booster pumps, dilution system, etc. and new instruments and control implementation for Plant PLC and SCADA system related to the CO2 system. Specific Role: QA/QC		
(1) TITLE AND LOCATION <i>(City and State)</i> Pembroke Pines Academic and Holly Lakes Booster Station Improvements	PROFESSIONAL SERVICES 2016	CONSTRUCTION <i>(if applicable)</i> 2019
c.(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Electrical and instrumentation & control systems design and construction inspection services for construction of Pembroke Pines Academic and Holly Lakes Booster Stations Improvements. Project consists of additional of altitude valves for ground storage tanks, PLC replacement, new hypochlorite storage tank with associated metering pump skids, new instruments, lighting, power outlets, grounding system related to the new hypochlorite structure. Specific Role: QA/QC		
(1) TITLE AND LOCATION <i>(City and State)</i> Palm Beach County WUD – WTP 2 Filter Replacement	PROFESSIONAL SERVICES 2013	CONSTRUCTION <i>(if applicable)</i> 2016
d.(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Electrical, Fire Alarm, and instrumentation & control design for New Filters at WTP2, including designing new electrical distribution for the Filter Building and process, new switchboard, new motor control center (MCC), new variable frequency drives (VFD's), new solid state reduced voltage starters (SSRVS). Instrumentation and control/SCADA and new PLC control panel, RIO panel. New Fire Alarm System compliance with County ESS department requirements is also included. Specific Role: QA/QC		
(1) TITLE AND LOCATION <i>(City and State)</i> Broward County Water and Waste Services – NRWTP Facility Improvements Project 9195 Phase III (3) Solids	PROFESSIONAL SERVICES 2016	CONSTRUCTION <i>(if applicable)</i> N/A
e.(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Design of electrical and control distribution systems for four (4) new motor control centers, modifications to six (6) motor control centers, two (2) new centrifuges, new belt filter presses, new grinder pumps, new substate recirculation pumps, new skimmers, various new VFDs located in the Thickener Building, Southern Digester, Northern Digester and Dewatering Building. Included on-site verifications, reviewing of record documentation, design of new lighting systems, coordination between various design and construction projects. Specific Role: QA/QC		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT*(Complete one Section E for each person)*

12. NAME Patrick Tjoefat		13. ROLE IN THIS CONTRACT PLC Programmer/Electrical, Instrumentation and Control Designer		14. YEARS EXPERIENCE	
				a. TOTAL 5	b. WITH CURRENT FIRM 5
15. FIRM NAME AND LOCATION <i>(City and State)</i> Hillers Electrical Engineering, Inc, Boca Raton, Florida					
16. EDUCATION <i>(Degree and Specialization)</i> BS/1999/ Business Informatics			17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> N/A		

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

Electrical and control system design and programming experience in municipal water and wastewater treatment facilities. Skills include: PLC programming, control and instrumentation system design, HMI Development, PLC commissioning, SCADA mapping, Modbus Communications and process control troubleshooting. Proficiency with RS Logix Designer, RS Logix 500, RS Logix 5, AutoCAD, GE IFIX,

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>		(2) YEAR COMPLETED:	
Palm Beach County Water Treatment Plant 8 Transfer Pump Automation and Panel view upgrade- Palm Beach County, FL		PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(if applicable)</i> N/A
a.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Provided programming, integration, start-up and testing services. Programming included (1) Develop control logic for transfer pump automation, (2) PID controls (3) interface logic with County's existing iFix SCADA system (4) Implementation and testing of control logic via SCADA.(5) Upgrade panel view and factory studio project Specific Role: Performed programming and commissioning services.		
(1) TITLE AND LOCATION <i>(City and State)</i>		(2) YEAR COMPLETED:	
Palm Beach County Water Treatment Plant 11 Wells Upgrade - Palm Beach County, FL		PROFESSIONAL SERVICES 2018	CONSTRUCTION <i>(if applicable)</i> N/A
b.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Provided instrumentation, programming, integration, start-up and testing services Programming included (1) radio communication, (2) PID controls (3) interface logic with County's existing iFix SCADA system (4) Implementation and testing of control logic via SCADA. Specific Role: Performed programming.		
(1) TITLE AND LOCATION <i>(City and State)</i>		(2) YEAR COMPLETED:	
Palm Beach County Water Treatment Plant 3 Loop Drawings - Palm Beach County, FL		PROFESSIONAL SERVICES 2018	CONSTRUCTION <i>(if applicable)</i> N/A
c.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Verified and revised existing loop drawings. Reviewed and incorporated County's comments. Provided drawings in AutoCAD version. Specific Role: Performed design and verification services.		
(1) TITLE AND LOCATION <i>(City and State)</i>		(2) YEAR COMPLETED:	
Southern Region Water Reclamation Facility Headworks upgrade - Palm Beach County, FL		PROFESSIONAL SERVICES 2019	CONSTRUCTION <i>(if applicable)</i> N/A
d.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Provided programming, integration, start-up and testing services. Programming included (1) Develop control logic for bar screens, grit classifiers automation, (2) PID controls (3) interface logic with County's existing iFix SCADA system (4) Implementation and testing of control logic via SCADA.(5) Upgrade panel view and factory studio project Specific Role: Performed programming and commissioning services.		
(1) TITLE AND LOCATION <i>(City and State)</i>		(2) YEAR COMPLETED:	
East Central Regional Water Reclamation facility – West Palm Beach, FL		PROFESSIONAL SERVICES 2019	CONSTRUCTION <i>(if applicable)</i> N/A
e.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Performed factory acceptance testing and functional testing at the facility. Role: Performed testing and verification services of control strategies.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT*(Complete one Section E for each key person.)*

12. NAME Steven F. Chamness	13. ROLE IN THIS CONTRACT Senior Field Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 34	b. WITH CURRENT FIRM 17
15. FIRM NAME AND LOCATION <i>(City and State)</i> Hillers Electrical Engineering, Inc., Boca Raton, Florida			
16. EDUCATION (DEGREE AND SPECIALIZATION) JATC 4 year Journeyman Apprenticeship		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> N/A	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Steve Chamness brings over 34 years of experience in Electrical and I&C design and construction management experience including project management, installation supervision, shop drawing submittal review, testing, start-ups and construction observation of high, medium and low voltage distribution systems, instrumentation and control systems, interior and exterior lighting systems, fire alarm and security systems, camera systems, time and attendance, telephone systems, supervisory control and data acquisition (SCADA) systems, PLC programming, energy management systems, normal and stand by emergency generation systems and power.			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> Pembroke Pines Water Treatment Plant Sodium Hypochlorite Rehabilitation and CO2 Injection System	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(if applicable)</i> 2019
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm a. Electrical, instrumentation and control systems design and construction inspection services for a new CO2 bulk storage tank and CO2 feed panels for CO2 injection into water system. Replacement of existing Sodium Hypochlorite bulk storage tank, transfer pump and metering pumps. Project included replacement of PH and Ammonia analyzers for monitoring and control of the CO2 and Hypochlorite injection system. Specific Role: Senior Inspector		
(1) TITLE AND LOCATION <i>(City and State)</i> Pembroke Pines Academic and Holly Lakes Booster Station Improvements	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2016	CONSTRUCTION <i>(if applicable)</i> 2019
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm b. Electrical and instrumentation & control systems design and construction inspection services for construction of Pembroke Pines Academic and Holly Lakes Booster Stations Improvements. Project consists of additional of altitude valves for ground storage tanks, PLC replacement, new hypochlorite storage tank with associated metering pump skids, new instruments, lighting, power outlets, grounding system related to the new hypochlorite structure. Specific Role: Senior Inspector		
(1) TITLE AND LOCATION <i>(City and State)</i> Broward County Water and Waste Water Services Injection Well Booster Pumps	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2015	CONSTRUCTION <i>(if applicable)</i> 2017
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm c. Construction inspection services for the addition of 300HP Booster Pumps for 8 Deep Injection Wells. Project included construction of a new 4160V power system with step-down transformers for 4 new electrical buildings to house new VFDs, MCCs and PLC for control and monitoring of the injection wells. Specific Role: Senior Inspector		
(1) TITLE AND LOCATION <i>(City and State)</i> Palm Beach County WUD – WTP 2 Filter Replacement	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2013	CONSTRUCTION <i>(if applicable)</i> 2016
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm d. Electrical, Fire Alarm, and instrumentation & control design for New Filters at WTP2, including designing new electrical distribution for the Filter Building and process, new switchboard, new motor control center (MCC), new variable frequency drives (VFD's), new solid state reduced voltage starters (SSRVs). Instrumentation and control/SCADA and new PLC control panel, RIO panel. New Fire Alarm System compliance with County ESS department requirements is also included. Specific Role: Senior Inspector		
(1) TITLE AND LOCATION <i>(City and State)</i> Palm Beach County Water Utilities Department WTP-11 5 MG Ground Storage Tank, Palm Beach County, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2014	CONSTRUCTION <i>(if applicable)</i> 2016
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm e. Electrical, instrumentation design and construction inspection services for new electrical raceway/cable system for new 5 MG ground storage tank and modifications to existing 3 MG storage tank filling strategy. Project included implementation of new raceway/cable system for motor operated valves and flow meters for automatically filling plant ground storage tanks along with integration of additional CCTV video cameras into existing system. Specific Role: Senior Inspector		

10E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each person)			
12. NAME William J Calcutti		13. ROLE IN THIS CONTRACT Construction Manager / Inspector	
		14. YEARS EXPERIENCE	
		a. TOTAL 16	b. WITH CURRENT FIRM 2
15. FIRM NAME AND LOCATION (City and State) Hillers Electrical Engineering, Inc, Boca Raton, Florida			
16. EDUCATION (Degree and Specialization) AA/2011		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) William Calcutti brings over 16 years of experience in Electrical and I&C design and construction management experience including project management, installation supervision, shop drawing submittal review, testing, start-ups and construction observation of high, medium and low voltage distribution systems, instrumentation and control systems, interior and exterior lighting systems, fire alarm and security systems, camera systems, time and attendance, telephone systems, supervisory control and data acquisition (SCADA) systems, PLC programming, energy management systems, normal and stand by emergency generation systems and power			
19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION (City and State) City of Pembroke Pines – Eastern Wellfield Electrical Improvements	(2) YEAR COMPLETED:	
		PROFESSIONAL SERVICES 2018	CONSTRUCTION (if applicable) Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Electrical, design and construction inspection services for replacement of electrical distribution systems for four (4) wellfield pumps, motor control center, three (3) variable frequency drives (VFD) and site lighting. Included on-site verifications, reviewing of record documentation, new lightning protection systems, grounding systems and surge suppression systems. Specific Role: Field Inspector		
b.	(1) TITLE AND LOCATION (City and State) City of Fort Lauderdale – G. T. Lohmeyer WWTP Replacement of MCC's	(2) YEAR COMPLETED:	
		PROFESSIONAL SERVICES 2018	CONSTRUCTION (if applicable) Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Electrical, design and construction inspection services for replacement of five (5) MCC's, four (4) 4.16kV to 480V transformers/unitized substation, relocation of existing fiber optic cable systems, new variable frequency drives (VFD), and new solid state reduce voltage starters (SSRVS). Included on-site verifications and reviewing of record documentation. Specific Role: Field Inspector		
c.	(1) TITLE AND LOCATION (City and State) City of Pembroke Pines – WWTP East Portable Generator Connection Improvements	(2) YEAR COMPLETED:	
		PROFESSIONAL SERVICES 2018	CONSTRUCTION (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Electrical and design services for the replacement of existing generator breaker with a new manual transfer switch. Project included the addition of a new temporary generator tap box and shore power plug for the temporary generator. Included on-site verifications and reviewing of record documentation. Specific Role: Field Inspector		
d.	(1) TITLE AND LOCATION (City and State) South Florida Water Management District Pump station S-5A Repowering and Automation West Palm Beach, FL	(2) YEAR COMPLETED:	
		PROFESSIONAL SERVICES 2018	CONSTRUCTION (if applicable) Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Electrical, instrumentation, and control construction management and inspection services for a flood control pump station. Project includes the rehabilitation of 6 diesel pumps and all auxiliary systems, replacement of two (2) stand by generators, replacement of existing power distribution system including existing FPL service to the facility, and complete control system for automatic operations of the pumps that includes six (6) pump control cabinets, one (1) Master control cabinet, and two (2) remote I/O cabinets. Specific Role: Field Inspector		
e.	(1) TITLE AND LOCATION (City and State) City of West Palm Beach – ECR Headworks and Grit Removal Improvements	(2) YEAR COMPLETED:	
		PROFESSIONAL SERVICES 2018	CONSTRUCTION (if applicable) Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Electrical, instrumentation, and control construction management and inspection services for the replacement of two (2) Influent flow meters, five (5) Influent screens, four (4) influent and effluent gates, modification to existing MCC's and Switchboards, and PLC programming. Specific Role: Field Inspector		

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT
20. EXAMPLE PROJECT KEY NUMBER
1
21. TITLE AND LOCATION (City and State)
**City of Pembroke Pines WTP Sodium Hypochlorite Rehabilitation and CO2 Injection System
Pembroke Pines, FL**
22. YEAR COMPLETED
**PROFESSIONAL SERVICES
2018**
**CONSTRUCTION (if Applicable)
2019**
23. PROJECT OWNER'S INFORMATION
**a. PROJECT OWNER
City of Pembroke Pines**
**b. POINT OF CONTACT NAME
Mr. George Wrvs**
**c. POINT OF CONTACT TELEPHONE NUMBER
954-518-9045**
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)




Hillers Electrical Engineering, Inc. provided the Instrumentation and Control, SCADA and Electrical Design and Construction services for the Rehabilitation of the Sodium Hypochlorite and CO2 Injection System at the Water Treatment Plant.



Project Highlights:

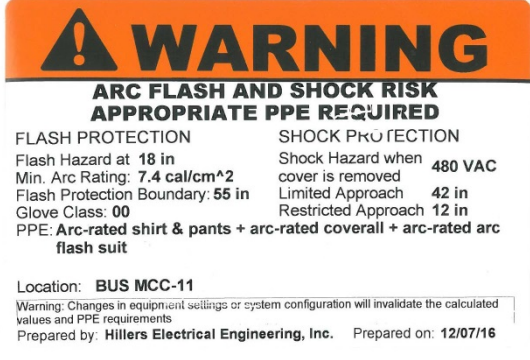

- **Replacement of existing Sodium Hypochlorite metering pumps, bulk storage tank, and transfer pump.**
- **Update SCADA system for monitoring and control for Hypochlorite system.**
- **Design power and controls for temporary CO2 system.**
- **Design power and controls for permanent new CO2 storage tank and CO2 feed panels for monitoring and control of CO2 injection into the water system.**
- **Design power and controls for existing and new instruments associated with new CO2 system.**

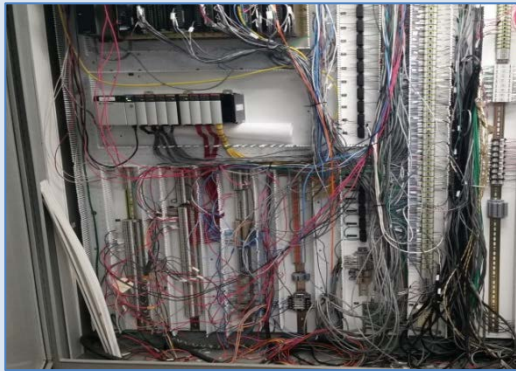


25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	Hillers Electrical Engineering, Inc	Boca Raton, Florida	Instrumentation and Control, SCADA and Electrical Design and Construction Services
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
e.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

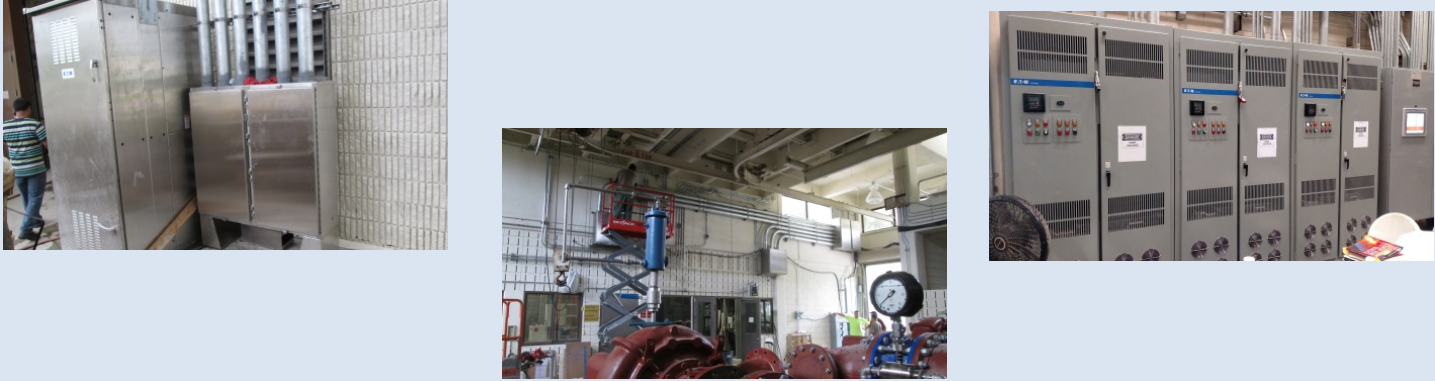
F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT		20. EXAMPLE PROJECT KEY NUMBER	
		2	
21. TITLE AND LOCATION (<i>City and State</i>) Palm Beach County Water Utilities Department Smart Wellfield Study	22. YEAR COMPLETED		
	PROFESSIONAL SERVICES 2016	CONSTRUCTION (if Applicable) N/A	
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER Palm Beach County Water Utilities Department	b. POINT OF CONTACT NAME Ms. Diana Rivera	c. POINT OF CONTACT TELEPHONE NUMBER 561-493-6000	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (<i>Include scope, size, and cost</i>) Hilliers Electrical Engineering performed a Smart Wellfield Study for WTP 3, 9 and 11.			
Study Highlights: <ul style="list-style-type: none"> Added variable frequency drives with air condition unit to all of the wells to vary the flow/pressure of each well Upgraded existing GE iNet radio with GE MDS Orbit radio for remote wellfield communication to improve the reachability and speed Upgraded Allen Bradley Micrologix 1400 PLC with Allen Bradley Compactlogix PLC in well RTU panels to handle more inputs and outputs with better connection Added analytical instruments to measure Conductivity, Temperature and ORP at each well to analyze the well water chemical characteristics Added Pressure Transmitters to all wells 			
			
Conductive Transmitter	Allen Bradley Compact Logix PLC	GE MDS Orbit Radio	
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Hilliers Electrical Engineering, Inc.	(2) FIRM LOCATION (<i>City and State</i>) Boca Raton, Florida	(3) ROLE Study and Evaluation Services
b.	(1) FIRM NAME	(2) FIRM LOCATION (<i>City and State</i>)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (<i>City and State</i>)	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION (<i>City and State</i>)	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION (<i>City and State</i>)	(3) ROLE
5/8/2019			
BidSync			
p. 19			



F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT		20. EXAMPLE PROJECT KEY NUMBER	
		3	
21. TITLE AND LOCATION <i>(City and State)</i> Palm Beach County Water Utilities- WTP2 Filters Improvements		22. YEAR COMPLETED	
		PROFESSIONAL SERVICES 2013	CONSTRUCTION (if Applicable) 2016
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER Palm Beach County Water Utilities Department	b. POINT OF CONTACT NAME Mr. Vince Riccobono	c. POINT OF CONTACT TELEPHONE NUMBER 561-493-6000	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>			
<p>Hillers Electrical Engineering provided electrical, instrumentation and control, fire alarm design as well as construction inspection services for the WTP 2 New Filters project. This project consisted of a new filter building with 8 sand filters, 1 clearwell, one electrical room, one blower room, and transfer/backwash pump station.</p> <p>Project Highlights:</p> <ul style="list-style-type: none"> • Design replacement 480V feeder of existing Hypochlorite Building • Design of new 480V feeder from existing Hypochlorite Building to new filter building • Design new electrical room with new switchboard, new Motor Control Center • Design of new Variable Frequency Drives for transfers pumps • Design of new Solid State Reduced Voltage Starters for backwash pumps and backwash blowers • Design interior and exterior lighting, grounding and lightning protection systems • Design new Filter PLC control panel and instruments associated with the filter system • Design new Fire Alarm System for Filter Building 			
			
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Hillers Electrical Engineering, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Boca Raton, Florida	(3) ROLE I&C, Design and Construction Services
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE




F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT		20. EXAMPLE PROJECT KEY NUMBER												
		4												
21. TITLE AND LOCATION <i>(City and State)</i> Palm Beach County Water Utilities Department- WTP 3 Short Circuit, Device Coordination and Arc Flash Analysis		22. YEAR COMPLETED PROFESSIONAL SERVICES 2016 CONSTRUCTION (if Applicable) N/A												
23. PROJECT OWNER'S INFORMATION														
a. PROJECT OWNER Palm Beach County Water Utilities Department	b. POINT OF CONTACT NAME Mr. Chris Cavaleri	c. POINT OF CONTACT TELEPHONE NUMBER 561-493-6000												
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>														
<p>Hillers Electrical Engineering (HEE) provided a Short Circuit, Device Coordination and Arc Flash Analysis of the existing plant's electrical distribution system. The study analyzed the plant electrical power distribution systems for compliance with National Electrical Safety Code 2015 (NFPA 70E), National Electrical Code 2008 (NFPA 70) and IEEE 1584.</p> <p>Project Highlights:</p> <ul style="list-style-type: none"> • Documented the existing plant electrical system and existing plant overcurrent device settings • Calculated the available plant short circuit fault currents at major distribution equipment locations • Identified equipment that has short circuit (AIC) ratings below that of the associated available fault current calculated in the study • Tabulated electrical equipment characteristics for overcurrent protective devices, cables, generators, transformers, major electrical equipment, and motors • Provided and implemented recommendations for protective device settings for coordination in various locations • Performed Arc Flash evaluation and identified proper personnel protective clothing for working on live equipment. Provided and installed Arc flash labels on electrical equipment in the plant 														
<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="border: 1px solid black; padding: 10px; width: 40%;">  <p>WARNING ARC FLASH AND SHOCK RISK APPROPRIATE PPE REQUIRED</p> <table border="0"> <tr> <td>FLASH PROTECTION</td> <td>SHOCK PROTECTION</td> </tr> <tr> <td>Flash Hazard at 18 in</td> <td>Shock Hazard when 480 VAC</td> </tr> <tr> <td>Min. Arc Rating: 7.4 cal/cm²</td> <td>cover is removed 42 in</td> </tr> <tr> <td>Flash Protection Boundary: 55 in</td> <td>Limited Approach 12 in</td> </tr> <tr> <td>Glove Class: 00</td> <td>Restricted Approach 12 in</td> </tr> <tr> <td colspan="2">PPE: Arc-rated shirt & pants + arc-rated coverall + arc-rated arc flash suit</td> </tr> </table> <p>Location: BUS MCC-11</p> <p>Warning: Changes in equipment settings or system configuration will invalidate the calculated values and PPE requirements</p> <p>Prepared by: Hillers Electrical Engineering, Inc. Prepared on: 12/07/16</p> </div> <div style="width: 55%;">  </div> </div>			FLASH PROTECTION	SHOCK PROTECTION	Flash Hazard at 18 in	Shock Hazard when 480 VAC	Min. Arc Rating: 7.4 cal/cm ²	cover is removed 42 in	Flash Protection Boundary: 55 in	Limited Approach 12 in	Glove Class: 00	Restricted Approach 12 in	PPE: Arc-rated shirt & pants + arc-rated coverall + arc-rated arc flash suit	
FLASH PROTECTION	SHOCK PROTECTION													
Flash Hazard at 18 in	Shock Hazard when 480 VAC													
Min. Arc Rating: 7.4 cal/cm ²	cover is removed 42 in													
Flash Protection Boundary: 55 in	Limited Approach 12 in													
Glove Class: 00	Restricted Approach 12 in													
PPE: Arc-rated shirt & pants + arc-rated coverall + arc-rated arc flash suit														
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT														
a.	(1) FIRM NAME Hillers Electrical Engineering, Inc	(2) FIRM LOCATION <i>(City and State)</i> Boca Raton, Florida	(3) ROLE Study and Evaluation Services											
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE											
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE											
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE											
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE											

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT		20. EXAMPLE PROJECT KEY NUMBER	
		5	
21. TITLE AND LOCATION <i>(City and State)</i> Palm Beach County Water Utilities Department- WTP 8 PLC Replacement & Programming		22. YEAR COMPLETED PROFESSIONAL SERVICES 2016 CONSTRUCTION (if Applicable) N/A	
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER Palm Beach County Water Utilities Department	b. POINT OF CONTACT NAME Mr. Steve McGrew	c. POINT OF CONTACT TELEPHONE NUMBER 561-493-6000	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>			
<p>Hillers Electrical Engineering provided instrumentation/SCADA design, PLC programming, and construction/replacement assistance services for the PBC WTP 8 PLC replacement project. The Existing Allen-Bradley PLC-5 system was obsolete and beyond its reliable life span. The system was replaced with a newer generation of Allen-Bradley Control Logix PLC system with minimum interruption and downtime to the existing water treatment process.</p> <p>Project Highlights:</p> <ul style="list-style-type: none"> Designed and identified the replacement components for each PLC panel and RIO panel. Verified received replacement components with bill of material. Designed a temporary installation plan to keep both existing and new PLC systems running in parallel. Designed the new PLC Architecture Communication Block Diagram for new Control Logix PLC system. Installed new fiber optic at Anion Exchange PLC panel. Replaced existing RIO panel one-by-one to minimize the downtime and interruption of the existing water treatment process. Performed PLC programming for the new Control Logix PLC system and coordinated with County SCADA department for SCADA interfacing. <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>PLC 5 BEFORE</p> </div> <div style="text-align: center;">  <p>Control Logix PLC AFTER</p> </div> </div>			
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Hillers Electrical Engineering, Inc	(2) FIRM LOCATION <i>(City and State)</i> Boca Raton, Florida	(3) ROLE Instrumentation/SCADA design, PLC programming, and construction/replacement assistance services
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT		20. EXAMPLE PROJECT KEY NUMBER	
		6	
21. TITLE AND LOCATION <i>(City and State)</i> Palm Beach County Water Utilities Department Headworks and Effluent Transfer Pumping Improvements	22. YEAR COMPLETED		
	PROFESSIONAL SERVICES 2017	CONSTRUCTION (if Applicable) On-Going	
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER Palm Beach County Water Utilities Department	b. POINT OF CONTACT NAME Mr. Pollop Phonpornwithoon	c. POINT OF CONTACT TELEPHONE NUMBER 561-493-6000	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>			
<p>Hillers Electrical Engineering (HEE) provided electrical and instrumentation design service for modification of Headworks and Effluent Pumping at Southern Region WRF. Project included upgrade of existing electrical service, replacement and upgrade of screens, compactors and conveyor systems, including associated instruments and control panels and expansion of existing building to include new conveyor and container rooms. Project also included replacement of existing effluent transfer pump with higher capacity unit.</p> <p>Project Highlights:</p> <ul style="list-style-type: none"> • Design of new electrical service at the Pretreatment Building including pad-mounted transformers, generator circuit breakers, main-tie-main Switchboard and associated 4160V cable/conduit and 480V bus duct systems to replace existing electrical service • Design of modifications to existing MCC's at Pretreatment Building, including upgrade to main-tie-main to improve reliability • Design of new Variable Frequency Drives, SSRVS's (Solid State Reduced Voltage Starters), NEMA across-the-line starters, etc. • Interior and exterior LED lighting; grounding and lightning protection systems • Design of new Rockwell Automation RIO control panel and remote operator touch screens interfacing with the existing Plant PLC Ethernet network • Design new instruments, level transmitters, pressure transmitters, pressure switches, combustible gas detection system, etc. 			
			
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Hillers Electrical Engineering, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Boca Raton, Florida	(3) ROLE Electrical and Instrumentation Design/Construction Services
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT		20. EXAMPLE PROJECT KEY NUMBER	
		7	
21. TITLE AND LOCATION (<i>City and State</i>) Broward County Water and Wastewater Services Master Pump Station 440 Modifications	22. YEAR COMPLETED		
	PROFESSIONAL SERVICES 2013	CONSTRUCTION (if Applicable) 2016	
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER Broward County Water and Wastewater Services	b. POINT OF CONTACT NAME Mr. Oscar Asgar	c. POINT OF CONTACT TELEPHONE NUMBER 954-831-0983	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (<i>Include scope, size, and cost</i>)			
<p>Hillers Electrical Engineering (HEE) provided electrical and instrumentation design service for modification of Master Booster Pump Station 440 for Broward County Water Utility Department (WUD). Project included replacement of existing electrical service equipment,. Replacement and upgrade of station PLC and analytical instruments for automatic operations.</p> <p>Project Highlights:</p> <ul style="list-style-type: none"> • Design of new electrical service at the Booster Pump Station including Main breaker, Automatic Transferswitch and Emergency Generator. • Design of new Variable Frequency Drives and NEMA across-the-line starters, etc. • Interior and exterior LED lighting; grounding and lightning protection systems • Design of new Rockwell Automation PLC control panel and remote operator touch screens interfacing with the existing Plant PLC Ethernet network • Design new instruments, level transmitters, pressure transmitters, pressure switches, combustible gas detection system, etc. 			
			
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Hillers Electrical Engineering, Inc.	(2) FIRM LOCATION (<i>City and State</i>) Boca Raton, Florida	(3) ROLE Electrical and Instrumentation Design/Construction Services
b.	(1) FIRM NAME	(2) FIRM LOCATION (<i>City and State</i>)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (<i>City and State</i>)	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION (<i>City and State</i>)	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION (<i>City and State</i>)	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT		20. EXAMPLE PROJECT KEY NUMBER	
		8	
21. TITLE AND LOCATION (<i>City and State</i>) Palm Beach County Water Utilities Department Wastewater Lift Stations Rehabilitation Project		22. YEAR COMPLETED	
		PROFESSIONAL SERVICES N/A	CONSTRUCTION (if Applicable) 2017
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER Palm Beach County Water Utilities Department	b. POINT OF CONTACT NAME Mr. Vince Riccobono	c. POINT OF CONTACT TELEPHONE NUMBER 561-493-6000	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (<i>Include scope, size, and cost</i>) Hillers Electrical Engineering provided electrical and instrumentation construction inspection services for the wastewater lift stations rehabilitation project which included lift station No. 170, 955, 968, 969, 971, 1044, 1046, 1050 and 5049. Project Highlights: <ul style="list-style-type: none"> • Review shop drawings per PBC Lift Station Standards • Inspect underground electrical installation • Inspect new control panel installation • Inspect communication of RTU • Test the operation and functionality of lift stations 			
 			
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Hillers Electrical Engineering, Inc.	(2) FIRM LOCATION (<i>City and State</i>) Boca Raton, Florida	(3) ROLE Electrical and Instrumentation Construction Inspection Services
b.	(1) FIRM NAME	(2) FIRM LOCATION (<i>City and State</i>)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (<i>City and State</i>)	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION (<i>City and State</i>)	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION (<i>City and State</i>)	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT		20. EXAMPLE PROJECT KEY NUMBER	
		9	
21. TITLE AND LOCATION (<i>City and State</i>) East Central Regional Water Reclamation Facility West Palm Beach Florida		22. YEAR COMPLETED PROFESSIONAL SERVICES 2015 CONSTRUCTION (if Applicable) N/A	
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER East Central Regional Water Reclamation Facility Board	b. POINT OF CONTACT NAME Mr. Brian Shields	c. POINT OF CONTACT TELEPHONE NUMBER (561) 493-6081	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (<i>Include scope, size, and cost</i>)			
<p>Hillers Electrical Engineering Performed a study of the existing plant power distribution facility analyzing the following:</p> <ul style="list-style-type: none"> • Condition assessment of existing plant electrical facilities: Analyze existing condition of major electrical system components and determine remaining useful life. Make recommendations for renewal and replacement. • Electrical system vulnerability assessment: Identify single point failures that would interrupt, or hinder, plant operations. • Short circuit, device coordination and arc flash study: Update plant single line diagrams and create a system model in SKM Power Tools for Windows to: <ul style="list-style-type: none"> ○ Analyze the available short circuit current throughout the plant. ○ Analyze coordination and perform selective coordination to the greatest extent possible. ○ Perform arc flash incident energy calculations and generate arc flash labels. ○ Make recommendations for improvements of system deficiencies. • Electrical maintenance testing bid documents: Prepare bid documents for ECR Board to procure electrical maintenance and testing services from a certified testing firm to do a complete status of the electrical power distribution system components. 			
  			
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Hillers Electrical Engineering, Inc.	(2) FIRM LOCATION (<i>City and State</i>) Boca Raton, Florida	(3) ROLE Electrical Engineering Consulting Services
b.	(1) FIRM NAME	(2) FIRM LOCATION (<i>City and State</i>)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (<i>City and State</i>)	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION (<i>City and State</i>)	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION (<i>City and State</i>)	(3) ROLE

G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

[illegible]

29. EXAMPLE PROJECTS KEY

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	Pembroke Pines WTP Sodium Hypochlorite Rehabilitation and CO2 Injection System	6	PBC Headworks and Effluent Transfer Pumping Improvements
2	PBC Smart Wellfield Study	7	Broward County Master Pump Station 440 Modifications
3	PBC WTP 2 Filters Improvement	8	PBC Wastewater Lift Stations Rehabilitation Project
4	PBC WTP 3 Short Circuit, Device Coordination and Arc Flash Analysis	9	ECRWRF Condition Assessment
5	PBC WTP 8 PLC Replacement & Programming	10	

H. ADDITIONAL INFORMATION

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

Hillers Electrical Engineering, Inc. has been in business since 1994 and is located in Boca Raton, Florida. Hillers Electrical Engineering, Inc. (HEE) brings an extensive amount of 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.

Our office is 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, airport terminals, airport runway-taxiway-apron lighting and navigational systems, sportsfield lighting, roadway and parking lot lighting, fire stations, etc..

HEE provides a variety of electrical, instrumentation and telemetry design and construction management tasks including:

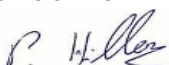
- Low, Medium, and High Voltage Power Distribution Systems
- Motor Control Centers (MCCs)
- Distribution Panels
- Voltage Drop Calculations
- Variable Frequency Drive (VFD) Application
- Luminaire Calculations
- Short-Circuit Calculations, Protective Device Coordination & Arc Flash
- Standby Generator Systems
- Fire Alarm and Security Systems
- Instrumentation & Control Systems
- Telemetry Systems
- Supervisory Control and Data Acquisition (SCADA) Systems
- Shop Drawing Review
- Energy Audits
- Cost Estimates, Testing, and Start-Ups

The nature of Consulting is such that responsiveness is the key to maintaining a long-term relationship. HEE takes great pride in ensuring that we are immediately accessible and responsive to our client's needs. This is demonstrated in the excellent relationship we have established over the last 25 years with many municipalities and environmental consulting firms.

I. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

31. SIGNATURE

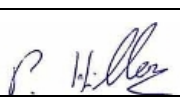


32. DATE

5/7/2019

33. NAME AND TITLE

Paul Hillers, President

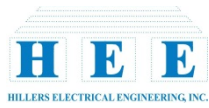
ARCHITECT-ENGINEER QUALIFICATIONS					1. SOLICITATION NUMBER (If Any) PSUT-19-01	
PART II – GENERAL QUALIFICATIONS (If a firm has branch offices, complete for each specific branch office seeking work.)						
2a. FIRM (OR BRANCH OFFICE) NAME Hillers Electrical Engineering, Inc.				3. YEAR ESTABLISHED 1994		4. DUNS NUMBER 876227059
2b. STREET 23257 State Road 7, Suite 100				5. OWNERSHIP		
2c. CITY Boca Raton		2d. STATE Florida		2e. ZIP CODE 33428		a. TYPE Corporation
6a. POINT OF CONTACT NAME AND TITLE Paul Hillers, President				b. SMALL BUSINESS STATUS Yes		
6b. TELEPHONE NUMBER 561-451-9165		6c. E-MAIL ADDRESS phillers@hillersee.com		7. NAME OF FIRM (If block 2a is branch office)		
8a. FORMER FIRM NAME(S) (If any) N/A				8b. YR. ESTABLISHED N/A		8c. DUNS NUMBER N/A
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	10		A05	Airport NAVAIDS, ILS, Lighting, Aircraft Fueling	4
16	Electrical Construction Manager	4		A06	Airport Terminals and Hangars; Freight Handling	5
08	CADD Technician	4		E03	Electrical Studies and Design	5
02	Administrative	1		W03	Water Supply; Treatment and Distribution(Electrical and Instrumentation Design	6
				C15	Construction Management	5
	Other Employees					
Total		19				
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				
b. Non-Federal Work	5	2. \$100,00 to less than \$250,000				
c. Total Work	6	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 5/7/2019	
c. NAME AND TITLE Paul Hillers, President						

TAB 3



CERTIFIED MINORITY BUSINESS ENTERPRISE





Power Electrical Engineering Services for the Utilities Division

RFQ# PSUT-19-01

May 7, 2019

Hillers Electrical Engineering, Inc. is a Certified Minority Business with the State of Florida Office of Supplier Diversity. We are also a Certified Small/Minority Business with Palm Beach County. Our certificates authenticating our status can be found in this tab.



Minority Business Certification

Hillers Electrical Engineering Inc

Is certified under the provisions of
287 and 295.187, Florida Statutes, for a period from:

09/27/2017 to 09/27/2019

A handwritten signature in black ink, appearing to read "ERin Rock", written over a horizontal line.

Erin Rock, Secretary
Florida Department of Management Services



Modification of Services February 25, 2019

Palm Beach County Office of Equal Business Opportunity

Certifies That

Hillers Electrical Engineering, Inc.

Vendor # HILL0026

is a Small/Minority Business Enterprise as prescribed by section 2-80.21 – 2-80.40 of the Palm Beach County Code for a three year period from

February 25, 2019 to October 15, 2021

The following Services and/or Products are covered under this certification:

Engineering Services, Non-Licensed (Not Otherwise Classified), Including Consulting Programming Services, Computer, Including Mobile Device Applications; System Implementation and Engineering Services; Control Systems Engineer, Electrical Engineering, Including Cogeneration Design Services; Instrumentation Engineer; Value Engineering and Value Analysis Services, Professional Inspection Services, Construction Type; Inspection Services, Electrical Instrumentation and Controls



Allen F. Gray, Manager

February 25, 2019



Palm Beach County Board of County Commissioners

Mack Bernard , Mayor
Dave Kerner, Vice Mayor
Hal Valeche
Greg K. Weiss
Robert S. Weinroth
Mary Lou Berger
Melissa McKinlay

County Administrator
Verdenia C. Baker

TAB 4



FIRM'S UNDERSTANDING AND APPROACH TO THE WORK



Understanding and Approach to Work of this Contract

The City's utility infrastructure is aging with growing impacts to operations, reliability and efficiency of the service to their customers; particularly as related to power distribution systems integral to the utility facilities. The City is concerned with the reliability and condition of the power distribution and control systems of these facilities. The City desires to select an experienced, highly qualified, electrical, instrumentation and control engineering firm to partner with in addressing the necessary electrical and I&C improvements at the Water Treatment Plant (WTP), Wastewater Treatment Plant (WWTP), booster pumping stations and master pumping stations. The selected firm will be tasked with analyzing, assessing and developing improvements for identified electrical, instrumentation and control system projects listed in Tab 5, as well as, several key issues with respect to surge suppression, overcurrent device coordination, electrical safety, harmonics mitigation and EPA emergency generator compliance. In addition, the selected firm will likely assist the City, as stewards, in determining the immediate and long-term approach to utility wide electrical and instrumentation system reliability and operation efficiency.

Understanding the City's Needs

The Hillers Team understands the City's utilities and its needs pertaining to the electrical power distribution, instrumentation and control systems for the utility infrastructure facilities.

The Wastewater Treatment Plant (WWTP) is comprised of five package treatment units, each with an aeration basin, clarifier, digester and effluent within a circular steel structure. The development of the initial Pembroke Pines Wastewater Treatment Plant (WWTP) or East WWTP was in support of neighboring developments such as Century Village with two package treatment units. The WWTP expanded in the early 1990s to meet growing development demands occurring in the City and the addition of the West WWTP and its three treatment units. The Hillers Team performed engineering design and construction management services during this 1990s expansion as part of Berry & Calvin/Calvin Giordano & Associates team.



Additional upgrades and modifications to the original WWTP include:

- Sludge handling facility
- Headworks facility
- Odor control systems
- Equalization and transfer pumping systems
- Effluent pumping facility
- Programmable logic controller based control system
- The design and construction of a sludge handling facility, just north of the West WWTP, produces palletized sludge and allowed for the decommissioning of the sludge dewatering facility.
- The addition of the headworks facility alleviated the treatment units from the debris generated by households upstream of the Plant.

- Odor scrubbing blowers and domes covering the treatment units have since been installed to mitigate the odors emitting from the East and West WWTPs.
- An equalization tank with transfer pump station for both the East and West WWTPs, transfers the wastewater from the EQ tank into the treatment units via an array of constant speed pumps that automatically cycled on/off depending on the level in the wetwell.
- The effluent disposal comprises of a 16-inch and 24-inch-deep injection well, along with an effluent storage tank, initially utilized constant speed pumps to dispose of treated secondary effluent; however, the pumps have since been converted to variable speed pumps with the addition of variable frequency drives (VFDs).
- A programmable logic controller (PLC) based platform, Allen Bradley Control Logix, with Human Machine Interface (HMI) software displays, controls and archives the different process control parameters such as blower control, effluent pump control, clarifier rake control, bar screen control etc. The PLC's are strategically placed throughout the Plant with various analog and digital inputs and outputs. Peer to peer communication between PLCs are digitized and relayed via a fiber optic network to the HMI interface located in the control room.

The Water Treatment Plant (WTP) is a lime softening Plant consisting of four filters, four treatment units, an ion exchange system, three ground storage tanks, transfer pumps, high service pumps and chemical systems. In 1994 and 1995, the Hillers Team designed and performed construction management for the WTP expansion to 18 MGD, Phase I and II, as part of the Berry & Calvin/Calvin Giordano & Associates team. Under the Phase I and Phase II expansion projects, the Hillers Team designed:



- A control/office building
- An anion exchange treatment system
- An emergency standby generator system
- Various motor control centers
- A distributed programmable logic controller based (PLC) control system with Human Machine Interfaces (HMI) throughout the Plant
- A fiber optic SCADA network to gather the various analog and digital input and output process parameters.

During the construction, the Hillers Team flawlessly performed the switchover between the old and new control rooms without interruption of process and Department of Environmental Protection (DEP) recording requirements.

More recently, the Hillers Team, as part of the Calvin Giordano & Associates Team, performed engineering design and construction management services for the Carbon Dioxide Addition Project; Anion Exchange Improvement Project; and the Filter Improvement Project and is presently performing engineering design of the Lift Station Improvements Project.

Electric utility power is provided by Florida Power and Light (FPL) for all of the City's water treatment facilities. The Hillers Team assisted the City in discussions with FPL regarding recent power fluctuations at the WWTP originating from the Stonebridge and Huntington FPL Substations. After an extensive FPL

Power Electrical Engineering Services for the Utilities Division

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May 7, 2019

review, the power interruptions were determined to be caused by tree branches interfering with the overhead distribution lines originating from the Huntington FPL Substation. The clearing of these branches from the power lines is currently underway by FPL to mitigate future power interruptions.

Clearly, the Hillers Team has extensive knowledge of the City's utility infrastructure and the power distribution, instrumentation and control systems contained within. The narrative descriptions below describe our understanding of the tasks contained within the proposed projects listed in Tab 5 in conjunction with our institutional knowledge of the associated systems:

1. WTP Power Distribution, Instrumentation and Control System:

- Perform an electrical condition assessment including insulation cable testing as necessary to identify and prioritize electrical equipment in need of replacement. Make recommendations of priorities to replace and upgrade system components.
- Perform an assessment of the instrumentation and control system to identify instrumentation in need of replacement and to recommend upgrades to the process automation. Make recommendations of priorities to replace and upgrade system components.
- Provide engineering design and construction management services for the implementation of recommended electrical, instrumentation and control system improvements identified in the condition assessments.
- Perform a Short Circuit, Device Coordination and Arc Flash System Study encompassing the WTP's electrical distribution system.

2. WTP High Service Pump Station:

- Provide engineering design and construction management services for the replacement of the selected high service pumps, including new variable frequency drives, modifications to the existing electrical distribution/control systems, coordination with any mechanical and process modification conducted by the owner and to perform a Short Circuit, Device Coordination and Arc Flash System Study on the impacted electrical distribution system.

3. WWTP Power Distribution System:

- Perform an electrical condition assessment including insulation cable testing as necessary to identify and prioritize electrical equipment in need of replacement. Make recommendations of priorities to replace and upgrade system components.
- Provide engineering design and construction management services for the implementation of recommended electrical system improvements identified in the condition assessment.
- Perform a Short Circuit, Device Coordination and Arc Flash System Study encompassing the WWTP's electrical distribution system.

4. WWTP Instrumentation and Control System:

- Perform an assessment of the instrumentation and control system to identify instrumentation in need of replacement and to recommend upgrades to process automation. Make recommendations of priorities to replace and upgrade system components.
- Provide engineering design and construction management services for the implementation of recommended instrumentation and control system improvements identified in the condition assessment.

Power Electrical Engineering Services for the Utilities Division

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5. WWTP Effluent Pump Station:

- Perform an electrical, instrumentation and control systems condition assessment of the Effluent Pumping Station, including insulation cable testing as necessary, to identify and prioritize electrical, instrumentation and control system components in need of replacement. Make recommendations of priorities to replace and upgrade system components.
- Provide engineering design and construction management services for the implementation of recommended electrical, instrumentation and control system improvements identified in the condition assessments.
- Perform a Short Circuit, Device Coordination and Arc Flash System Study on the impacted electrical distribution system.

6. Holly Lake Water Booster Pumping Station:

- Perform an electrical, instrumentation and control systems condition assessment of the Holly Lake Water Booster Pumping Station to identify and prioritize electrical, instrumentation and control equipment in need of replacement. Make recommendations of priorities to replace and upgrade system components.
- Provide engineering design and construction management services for the implementation of recommended electrical, instrumentation and control system improvements identified in the condition assessments.
- Perform discipline coordination with any mechanical and/or process modifications, conducted by others.
- Perform a Short Circuit, Device Coordination and Arc Flash System Study on the impacted electrical distribution system.

7. Academic Village Water Booster Pumping Station:

- Perform an electrical, instrumentation and control systems condition assessment of the Academic Village Water Booster Pumping Station to identify and prioritize electrical and I&C equipment in need of replacement. Make recommendations of priorities to replace and upgrade system components.
- Provide engineering design and construction management services for the replacement of the electrical and I&C systems of the Academic Village Water Booster Pumping Station recommended for replacement in the condition assessments,
- Perform discipline coordination with any mechanical and/or process modifications, conducted by others.
- Perform a Short Circuit, Device Coordination and Arc Flash System Study on the impacted electrical distribution system.

8. WWTP Master Pumping Stations:

- Perform an electrical, instrumentation and control systems condition assessment of the WWTP Master Pumping Stations to identify and prioritize electrical and I&C equipment in need of replacement. Make recommendations of priorities to replace and upgrade system components.

Power Electrical Engineering Services for the Utilities Division

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- Provide engineering design and construction management services for the replacement of the electrical and I&C systems of the WWTP Master Pumping Stations recommended for replacement in the condition assessments
- Perform discipline coordination with any mechanical and/or process modifications, conducted by others.
- Perform a Short Circuit, Device Coordination and Arc Flash System Study on the impacted electrical distribution system.

Observations

During recent visits to the City's WWTP and WTP, the Hillers Team made the following observations:

- A significant portion of the electrical equipment is at least 25 years old and approaching end of its useful life.
- The application of surge protection protective devices throughout the power distribution system are insufficient allowing for electrical surges emanating from the electrical utility and/or through lightning to disrupt and potentially harm the existing electrical systems.
- Excessive power flickering and power interruptions that are likely having an adverse effect to the electrical equipment operating at these facilities.
- A recent electrical fault within one of the effluent pump VFDs interrupted the power for the entire effluent pumping facility due to insufficient overcurrent device coordination.
- Arc flash labeling, required by National Fire Protection Association (NFPA 70E) "Electrical Safety in the Workplace" and OSHA was not observed to be affixed anywhere throughout the electrical distribution system, as required in Article 409.
- Unfiltered 6 pulse VFDs located throughout these facilities are likely generating undesirable harmonics that are detrimental to electrical distribution and process control systems.
- It is recommended that a review be conducted on the existing facilities emergency generator systems for EPA emission compliance for emergency standby generators.
- The WTP FPL vault and main electrical switchgear is old and in need of an assessment to determine condition and recommended options for replacement.
- Water leaking from the roof of the main electrical room was observed against the walls and on the floor.

Water and Wastewater Treatment Facility Experience

The Hillers Team has extensive electrical, instrumentation and control system experience for municipal water treatment, collections and distribution system. The Hillers Team currently provides electrical, instrumentation and control engineering services to Palm Beach County Water Utilities, City of Boca Raton Utilities, East Central Regional Water Reclamation Facility Board, South Central Regional Wastewater Treatment and Disposal Board, Seacoast Utility Authority, City of Orlando, Broward County, City of Sunrise, City of Hollywood, City of Fort Lauderdale, City of Pompano Beach and many other utilities throughout South Florida. Listed below are projects the Hillers Team has consulted on for these clients that are of similar nature to the anticipated work of this contract:

- **Palm Beach County Water Treatment Plant 2 Filter Improvement Project** which includes eight sand filters, one clearwell, one electrical room, one blower room, and transfer/backwash pump station. This project also includes new switchboards, MCCs, VFDs, redundant Allen-Bradley Controllogix PLC system and instruments.

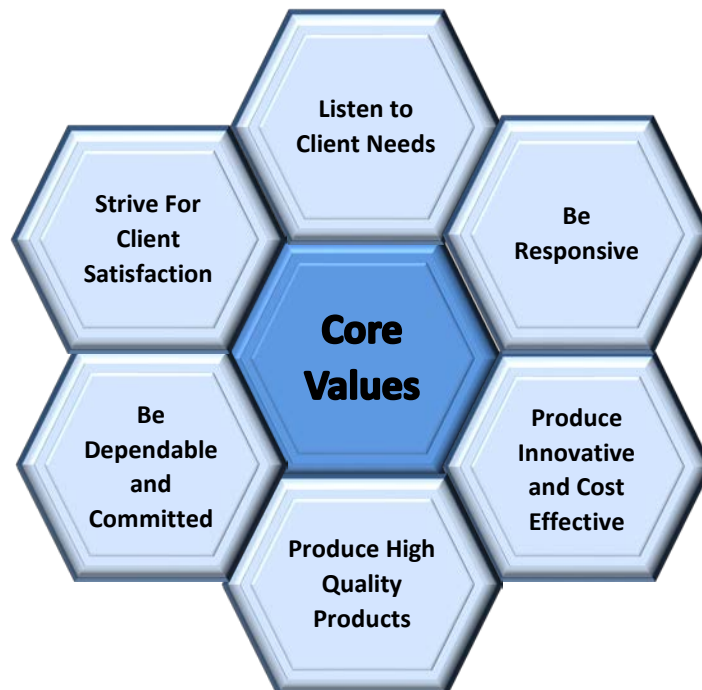
- **Palm Beach County Southern Regional Wastewater Reclamation Facility Headworks Improvement Project** that includes new medium voltage electrical service to the Pretreatment Building, modifications of existing MCC's to improve reliability by adding main-tie-main arrangement, new Allen-Bradley Controllogix/Remote I/O systems and new instruments.
- **East Central Regional Water Reclamation Facility Electrical Study and Maintenance Testing Documents** which consists of the Hillers Team field verifying, documenting and assessing the entire electrical system including all existing electrical overcurrent device settings, the creation of plant electrical one-line diagrams, performing short circuit calculations, review overcurrent device coordination, perform arc flash analysis, affix arc flash labeling and creation of electrical maintenance testing bid documents.

The Hillers Team's extensive experience with FPL coordination will provide a significant benefit to the City. Our FPL related experience includes

- Hardening of incoming FPL systems
- Relocation of existing FPL overhead and underground distribution lines
- Coordination of new electrical services
- Removal of existing electrical services
- Upgrades to/increasing of existing electrical service capacities
- Rate structure analysis
- Coordination with FPL distribution system protective devices for coordination and arc flash studies.

Approach and Work Plans

Our Approach and Methodology to Continuing Services Contracts is simple and straightforward. The Hillers Team empowers local leadership, engages highly technical local resources, and stays focused on its core values. Hillers Electrical Engineering takes great pride in the services we provide. Every task we complete originates from our company core values and beliefs. It is this set of values that sets us apart from the rest:



Power Electrical Engineering Services for the Utilities Division

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Continuing service contracts make up the majority of our workload. Clients have confidence in our capabilities, availability, responsiveness, and quality of our products and services. These attributes are the key ingredients to our 25 years of continuous growth and success. The Hillers Team takes great pride in being the firm that clients call when they face electrical, instrumentation and control challenges that require assistance.

The nature of a continuing services contract is to assist City staff with identifying utility system needs to improve service; reliability; maintainability; and extend useful life. Once needs and priorities are established, provide timely cost-conscious engineering services and solutions to address the identified needs. City utilities maintain a limited staff with the specialized knowledge required for electrical, instrumentation, control and telemetry systems whereby identifying needs for those systems becomes difficult with the daily demands in maintaining the utility. If selected, the Hillers Team will become an extension of utility staff able to focus on identifying electrical, instrumentation and control needs, while working closely with utility staff, and then producing quality engineering designs addressing those needs.

The table below demonstrates that the Hillers Team has the experience and staff to accomplish any task that this Continuing Services Contract requires:

HILLERS ELECTRICAL ENGINEERING EXPERIENCE	
Electrical Power Distribution Systems: Low and Medium Voltage	X
Emergency Power Systems	X
Motor Control Systems	X
Lighting	X
Grounding/Bonding	X
Lighting Protection and Surge Protection Systems	X
Fire Alarm Systems	X
Communication Systems Including Networking	X
Plan Process Control Systems	X
Plant Process Instrumentation Systems	X
SCADA Systems	X
Telemetry Systems	X
PLC, HMI Programming	X
Master Plan Studies	X
Condition Assessment Studies	X
Short Circuit- Device Coordination and Arc Flash Studies	X
Constructability Reviews	X
Utility Service Coordination	X
Construction Inspection Services	X

Our methodology to project development and execution follows a logical and common sense approach that begins with **LISTENING**. Engineers must excel in listening to understand a client's needs. Early decision making/planning helps to keep each assignment on schedule and within budget. One of the cornerstones of the Hillers Team's project approach is early planning. Our Project Manager will lead our design team and engaging our in-house expertise, as appropriate, dependent on the nature of each work assignment. Our team will work with the City's Engineering staff to understand the scope, budget and schedule for each assignment. Prior to commencing work, we will set detailed milestones, appropriate for

Power Electrical Engineering Services for the Utilities Division

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the scope of work, which is approved by the City. This will allow the City, and our team, to monitor the project progress and budget to identify and resolve issues prior to them negatively impacting the project. We will facilitate early decision making to keep each assignment on schedule.

Our approach to project development and execution:

1. **Project definition:** Upon receipt of an assignment, the Hillers Team will meet with City staff to determine the City's objectives, goals, budget and schedule for the project and to interview staff to extract their knowledge and experience pertinent to the assignment.
2. **Determine project schedule:** The Hillers Team will develop and present a project schedule for review and discussion with City staff. Any modifications resulting from these discussions are incorporated into a final project schedule.
3. **Establish Design Criteria:** The Hillers Team will work with City staff to define specific criteria to constrain and refine the scope of the assignment.
4. **Develop Concepts:** The Hillers Team will perform data gathering, concept development, and feasibility analysis to identify options and approaches to the project objectives and goals.
5. **Evaluate/Rank Options and Select Path forward:** Together with City Staff, the Hillers Team will discuss, evaluate and rank concepts and options to determine the best path forward for the assignment.
6. **Formulate detailed implementation plan:** As appropriate to the assignment, goals and objectives, the Hillers Team will develop an implementation plan for the highest ranked option.
7. **Implementation:** Design and construction phase services.

Design Phase Services: The design phase of the project will be conducted with typical 30%, 60%, 90%, and 100% milestone submittals to the City for review and comment as the project progresses. It is our experience that a phased approach, along with calculated and timely permitting submittals yields feedback from the permitting agencies with ample time to incorporate changes into the design if required and facilitates going to bid as early as possible with all permits ready for the contractor.

Construction Phase Services: The Hillers Team provides a full range of Construction Phase Services that we will customize to fit the City's needs for this project. We have full time in house Construction Administration staff to provide as-needed field observation/inspections, contractor interface, change control management, shop drawing review and problem resolution.

Quality Control

Quality control is a continuous process. One of the most important aspects of our project approach is our Project Quality Assurance/Quality Control (QA/QC) Plan. The Hillers Team maintains a rigorous QA/QC program where experienced senior staff (engineering and construction) review and cross-check designs for completeness, accuracy, code compliance, coordination and constructability at the conceptual, preliminary, draft, and final design stages as further described below:

- The 30% milestone review is done very early in the project and takes advantage of our senior staff's vast knowledge and experience to identify a "better way" to accomplish project goals. We encourage client participation in this stage of review.

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- The 60% milestone review checks for compliance with the project schedule and budget, and involves performing checks on calculations, discipline specific issues, inter-discipline coordination, preliminary cost estimates, and code compliance.
- The 90% milestone review performs more in-depth discipline and inter-discipline coordination reviews using extensive check lists, coordination of specifications and drawings, updates to the cost estimate, construction phasing review, constructability review, and legal review of front end documents.
- Final (100%) review verifies previous reviews have been completed with issues addressed, constructability review has been completed, applicable permits obtained or otherwise addressed, construction cost estimates are complete, and that the project is ready for construction.

Work documents subject to QA/QC checks include:

- Calculations
- Studies and reports
- Design drawings at each phase of development
- Technical specifications and other bidding documents
- Quantities and estimates

Our QA/QC process includes the following steps:

- Origination: Preparation of the original technical discipline documents by the Lead Engineer
- Check: Check of the original technical discipline documents by a senior staff Quality Control Reviewer.
- Back-Check: Back-check of the documents by the Project Manager
- Verification: Verification of the back-checked documents by the senior staff Quality Control Reviewer

Our QA/QC review team has experience in design, construction, and QA reviews. They are detail-oriented, capable of providing concentrated effort, and are dedicated to quality engineering. Our Project Manager for each work assignment is responsible for the successful and meaningful implementation of all quality control reviews. With our QA/QC plan and our Team's resources, the City can be assured that our final deliverables will be of the highest quality.

The Hillers Team continuously seeks to improve our level of service and the quality of our designs. This is accomplished with a two-step process:

1. We continuously ask ourselves **"IS THERE A BETTER WAY?"** By challenging ourselves on every aspect of our work, we constantly look for ways to improve designs and hence, have the best solution.
2. We design the project as if we were **SPENDING OUR OWN MONEY**. The mindset is that we always look for the best solution if we think we are spending our own money. Commitment to

Power Electrical Engineering Services for the Utilities Division

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providing quality to our clients is inherent to the Hillers Team culture and evident in every work product we deliver. We are committed to providing that same quality to the City.

Cost Control

Cost control is critical to the success of any project. The Hillers Team is sensitive to project budget constraints and performs our designs with budget constraints in mind. Controlling cost begins during the early stages of a project. A construction budget should be established for every project as early as possible to set guidelines. Design should be structured with the construction budget to avoid surprises during the bidding phase. Updating construction cost estimates at the 30%, 60%, and 90% design completion milestones provide metrics for the engineer to use as the design progresses. These opinions of probable construction cost also provide an opportunity to revisit elements of the project that may stray from original budgets and allow opportunities to make adjustments prior to finalization to maintain the core functionality of the design.

A further measure of cost control is achieved by preparing a set of contract documents that can be easily understood by contractors during bidding, which result in more accurate pricing. The Hillers Team has an excellent reputation in the industry for preparing contract documents that are complete and clearly delineate the scope and constraints of work to be performed.

Lastly, cost control is directly related to the timely completion of a project. Hence, coordination with the successful bidder to review their baseline schedule prior to start of construction is important to share the intent of the design from the engineer's perspective and ensure that all aspects of the project are incorporated. Regardless of size of the project, active communication and progress meetings are valuable tools that provide a platform to discuss progress, address any issues or needs from stakeholders, and plan for upcoming activities. Professional collaboration is always encouraged.

Summary

Hillers Electrical Engineering, Inc provides engineering and construction inspection services by highly experienced industry craftsman and engineers. The Hillers Team is very well respected in the Consulting Engineering Community for excellent electrical, instrumentation and control consulting engineering services. Our familiarity with City Personnel, procedures, and facilities is a benefit to the City as it means little to no learning curve and facilitates our partnership to "hit the ground running". The Hillers Team is sensitive to budget constraints, is responsive, adaptable to project schedules and provides out of the box thinking. Finally, the Hillers Team's experience and proven track record make our team the right choice for this continuing services contract.

TAB 5



WILLINGNESS TO MEET TIME AND BUDGET REQUIREMENTS



Power Electrical Engineering Services for the Utilities Division

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The Hillers Team is sensitive to budget constraints and schedules. We strive to complete projects on time and we design projects with budget constraints in mind. The Hillers Team is willing to meet the time and budget requirements listed in the chart below.

Project	Timeframe	Project Cost	Compensation*	Funding Year
1. Water Treatment Plant (WTP)	December, 2019	\$1,690,000	\$135,200	2019-2020
2. WTP High Service Pump Station	December, 2021	\$1,350,000	\$108,000	2021-2022
3. Wastewater Treatment Plant	December, 2020	\$1,710,000	\$119,700	2020-2021
4. Wastewater Treatment Plant I&C	December, 2020	\$500,000	\$35,000	2020-2021
5. WWTP Effluent Pump Station	Summer, 2019	\$840,000	\$67,200	2018-2019
6. Holly Lake Water Booster Pumping Station	2022-2023**	\$650,000	\$52,000	2022-2023
7. Academic Villlage Water Booster Pumping Station	2022-2023**	\$650,000	\$52,000	2022-2023
8. WWTP Master Pump Stations (ea. TBD)	2024-2025**	\$300,000	\$ 30,000	2024-2025

*Preliminary design report, construction documents (CD's) and assistance during bidding. Excludes services during construction.

**Subject to planning refinements.

TAB 6



RECENT, CURRENT AND PROJECTED WORKLOADS OF THE FIRM



The following chart shows the Hillers Team's completed, current and projected workload distribution through the year 2023.

Municipality	Completed 2018	Current/Active 2019	Projected 2020-2023
Palm Beach County	34%	24%	15%
Broward County	24%	15%	10%
South Florida Water Management District	19%	13%	5%
Village of Wellington	8%	3%	1%
City of Fort Lauderdale	2%	1%	1%
Miscellaneous Municipalities	12%	5%	3%
City of Pembroke Pines	1%	1%	
Total Workload	100%	61%	35%

TAB 7



OTHER COMPLETED DOCUMENTS



Supplier Response Form



Attachment A

CONTACT INFORMATION FORM

IN ACCORDANCE WITH RFQ # PSUT-19-01 titled “Power Electrical Engineering Services for the Utilities Division” attached hereto as a part hereof, the undersigned submits the following:

A) Contact Information

The Contact information form shall be electronically signed by one duly authorized to do so, and in case signed by a deputy or subordinate, the principal's properly written authority to such deputy or subordinate must accompany the proposal. This form must be completed and submitted through www.bidsync.com as part of the bidder’s submittal. The vendor must provide their pricing through the designated lines items listed on the BidSync website.

COMPANY INFORMATION:

COMPANY:
STREET ADDRESS:
CITY, STATE & ZIP CODE:

PRIMARY CONTACT FOR THE PROJECT:

NAME: TITLE:
E-MAIL:
TELEPHONE: FAX:

AUTHORIZED APPROVER:

NAME: TITLE:
E-MAIL:
TELEPHONE: FAX:
SIGNATURE:

B) Proposal Checklist

Did you make sure to submit the following items, as stated in section 1.5 “Proposal Requirements” of the bid package?

Title Page	Yes
Letter of Interest	Yes
Standard Form 330 (Parts I and II)	Yes
Certified Minority Business Enterprise Certification	Yes

	N/A
Firm’s Understanding and Approach to the Work	Yes
Willingness to meet time and budget requirements	Yes
Recent, current, and projected workloads of the firm	Yes
Attachment A - Contact Information Form	Yes
Attachment B - Non-Collusive Affidavit	Yes
Attachment C - Proposer’s Completed Qualification Statement	Yes
Attachment F - References Form	Yes

Did you make sure to update the following documents found under the “Vendor Registration” group of “Qualifications” on the BidSync website for the City of Pembroke Pines?

Vendor Information Form	Yes
Form W-9 (Rev. October 2018)	Yes
Sworn Statement on Public Entity Crimes Form	Yes
Local Vendor Preference Certification	Yes
Local Business Tax Receipts	Yes
Veteran Owned Small Business Preference Certification	Yes
Equal Benefits Certification Form	Yes
Vendor Drug-Free Workplace Certification Form	Yes
Scrutinized Company Certification	Yes

Please enter your password below and click Save to update your response.
Please be aware that typing in your password acts as your electronic signature, which is just as legal and binding as an original signature. (See [Electronic Signatures in Global and National Commerce Act](#) for more information.)

To take exception:
1) Click Take Exception.
2) Create a Word document detailing your exceptions.
3) Upload exceptions as an attachment to your offer on BidSync's system.

By completing this form, your bid has not yet been submitted. Please click on the place offer button to finish filling out your bid.



City of Pembroke Pines

Attachment B

NON-COLLUSIVE AFFIDAVIT

BIDDER is the Owner,
(Owner, Partner, Officer, Representative or Agent)

BIDDER is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances respecting such Bid;

Such Bid is genuine and is not a collusive or sham Bid;

Neither the said BIDDER nor any of its officers, partners, owners, agents, representative, employees or parties in interest, including this affidavit, have in any way colluded, conspired, connived or agreed, directly or indirectly, with any other BIDDER, firm or person to submit a collusive or sham Bid in connection with the Contract for which the attached Bid has been submitted; or to refrain from bidding in connection with such Contract; or have in any manner, directly or indirectly, sought by agreement or collusion, or communications, or conference with any BIDDER, firm, or person to fix the price or prices in the attached Bid or any other BIDDER, or to fix any overhead, profit, or cost element of the Bid Price or the Bid Price of any other BIDDER, or to secure through any collusion conspiracy, connivance, or unlawful agreement any advantage against (Recipient), or any person interested in the proposed Contract;

The price of items quoted in the attached Bid are fair and proper and are not tainted by collusion, conspiracy, connivance, or unlawful agreement on the part of the BIDDER or any other of its agents, representatives, owners, employees or parties in interest, including this affidavit.

Printed Name/Signature Paul Hillers/

Title President

Name of Company Hillers Electrical
Engineering, Inc.

Supplier Response Form

City of Pembroke Pines

Attachment C

PROPOSER'S QUALIFICATIONS STATEMENT

PROPOSER shall furnish the following information. Failure to comply with this requirement will render Bid non-responsive and shall cause its rejection. Additional sheets shall be attached as required.

PROPOSER'S Name and Principal Address:

Hilliers Electrical Engineering, Inc.
23257 State Road 7, Suite 100
Boca Raton, FL 33428

PROPOSER'S License Number: CA6877**(Please attach certificate of status, competency, and/or state registration.)**

Number of years your organization has been in business 25

State the number of years your firm has been in business under your present business name 25

State the number of years your firm has been in business in the work specific to this solicitation: 25

Names and titles of all officers, partners or individuals doing business under trade name:

Paul Hilliers, President
Tom Doran, Vice President

IF USING A FICTITIOUS NAME, SUBMIT EVIDENCE OF COMPLIANCE WITH FLORIDA FICTITIOUS NAME STATUTE.

Under what former name has your business operated? Include a description of the business. Failure to include such information shall be deemed to be intentional misrepresentation by the City and shall render the proposer non-responsive.

N/A

At what address was that business located?

N/A

Name, address, and telephone number of surety company and agent who will provide the required bonds on this contract:

We are not a contractor. We only hold professional, commercial general, auto, and workers compensation liability insurance.

Have you ever failed to complete work awarded to you. If so, when, where and why?

No

Have you personally inspected the proposed WORK and do you have a complete plan for its performance?

N/A

Will you subcontract any part of this WORK? If so, give details including a list of each sub-contractor(s) that will perform work in excess of ten percent (10%) of the contract amount and the work that will be performed by each subcontractor(s).

No

The foregoing list of subcontractor(s) may not be amended after award of the contract without the prior written approval of the Contract Administrator, whose approval shall not be reasonably withheld.

List and describe all bankruptcy petitions (voluntary or involuntary) which have been filed by or against the Proposer, its parent or subsidiaries or predecessor organizations during the past five (5) years. Include in the description the disposition of each such petition.

N/A

List and describe all successful Bond claims made to your surety (ies) during the last five (5) years. The list and descriptions should include claims against the bond of the Proposer and its predecessor organization(s).

N/A

List all claims, arbitrations, administrative hearings and lawsuits brought by or against the Proposer or its predecessor organizations(s) during the last (10) years. The list shall include all case names; case, arbitration or hearing identification numbers; the name of the project over which the dispute arose; and a description of the subject matter of the dispute.

N/A

List and describe all criminal proceedings or hearings concerning business related offenses in which the Proposer, its principals or officers or predecessor organization(s) were defendants.

N/A

Are you an Original provider sales representative distributor, broker, manufacturer other, of the commodities/services proposed upon? If other than the original provider, explain below.

Original Provider

Have you ever been debarred or suspended from doing business with any governmental agency? If yes, please explain:

No

Describe the firm's local experience/nature of service with contracts of similar size and complexity, in the previous three (3) years:

We hold the Professional Services contract for Electrical, Instrumentation & Telemetry Engineering Services for the Palm Beach County Water Utilities Department. We hold the contract for Professional Consulting Services on Continuing Contract Basis for the

The PROPOSER acknowledges and understands that the information contained in response to this Qualification Statement shall be relied upon by CITY in awarding the contract and such information is warranted by PROPOSER to be true. The discovery of any omission or misstatement that materially affects the PROPOSER's qualifications to perform under the contract shall cause the CITY to reject the Bid, and if after the award, to cancel and terminate the award and/or contract.

Hillers Electrical Engineering, Inc.
(Company Name)

Paul Hillers/
(Printed Name/Signature)

Please enter your password below and click Save to update your response.

Please be aware that typing in your password acts as your electronic signature, which is just as legal and binding as an original signature. (See [Electronic Signatures in Global and National Commerce Act](#) for more information.)

To take exception:

- 1) Click Take Exception.
- 2) Create a Word document detailing your exceptions.
- 3) Upload exceptions as an attachment to your offer on BidSync's system.

By completing this form, your bid has not yet been submitted. Please click on the place offer button to finish filling out your bid.

Username **jackiyasin1**

Password *

Save

[Take Exception](#)

[Close](#)

* Required fields

Username **jackiyasin1**

Password *

[Save](#) [Take Exception](#) [Close](#)

* Required fields

REFERENCES FORM

Provide specific examples of similar contracts. References should be capable of explaining and confirming your firm's capacity to successfully complete the scope of work outlined herein. **This form should be duplicated for each reference and any additional information that would be helpful can be attached.**

Reference Contact Information:

Name of Firm, City, County or Agency:

Address:

City/State/Zip:

Contact Name: Title:

E-Mail Address:

Telephone: Fax:

Project Information:

Name of Contractor Performing the work:

Name and location of the project:

Nature of the firm's responsibility on the project:

Project duration: Completion (Anticipated) Date:

Size of project: Cost of project:

Work for which staff was responsible:

Contract Type:

The results/deliverables of the project:

REFERENCES FORM

Provide specific examples of similar contracts. References should be capable of explaining and confirming your firm's capacity to successfully complete the scope of work outlined herein. **This form should be duplicated for each reference and any additional information that would be helpful can be attached.**

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Address:

City/State/Zip:

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Telephone: Fax:

Project Information:

Name of Contractor Performing the work:

Name and location of the project:

Nature of the firm's responsibility on the project:

Project duration: Completion (Anticipated) Date:

Size of project: Cost of project:

Work for which staff was responsible:

Contract Type:

The results/deliverables of the project:

REFERENCES FORM

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Reference Contact Information:

Name of Firm, City, County or Agency:

Address:

City/State/Zip:

Contact Name: Title:

E-Mail Address:

Telephone: Fax:

Project Information:

Name of Contractor Performing the work:

Name and location of the project:

Wellington WRF Telemetry Backhaul Radio Upgrade
 Wellington, FL

Nature of the firm's responsibility on the project:

Provided electrical, instrumentation and control engineering
 and construction services

Project duration: Completion (Anticipated) Date:

Size of project: Cost of project:

Work for which staff was responsible:

Design for the replacement of obsolete radios to
 improve communication reliability with collection &
 distribution systems. Provided bidding services,
 shop drawing review, RFI, and site visits.

Contract Type:

The results/deliverables of the project:

REFERENCES FORM

Provide specific examples of similar contracts. References should be capable of explaining and confirming your firm's capacity to successfully complete the scope of work outlined herein. **This form should be duplicated for each reference and any additional information that would be helpful can be attached.**

Reference Contact Information:

Name of Firm, City, County or Agency:

Address:

City/State/Zip:

Contact Name: Title:

E-Mail Address:

Telephone: Fax:

Project Information:

Name of Contractor Performing the work:

Name and location of the project:

Nature of the firm's responsibility on the project:

Project duration: Completion (Anticipated) Date:

Size of project: Cost of project:

Work for which staff was responsible:

Contract Type:

The results/deliverables of the project:

REFERENCES FORM

Provide specific examples of similar contracts. References should be capable of explaining and confirming your firm's capacity to successfully complete the scope of work outlined herein. **This form should be duplicated for each reference and any additional information that would be helpful can be attached.**

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Name of Firm, City, County or Agency:

Address:

City/State/Zip:

Contact Name: Title:

E-Mail Address:

Telephone: Fax:

Project Information:

Name of Contractor Performing the work:

Name and location of the project:

Nature of the firm's responsibility on the project:

Project duration: Completion (Anticipated) Date:

Size of project: Cost of project:

Work for which staff was responsible:

Contract Type:

The results/deliverables of the project:

TAB 8



PROFESSIONAL REGISTRATION CERTIFICATES



State of Florida

Department of State

I certify from the records of this office that HILLERS ELECTRICAL ENGINEERING, INC. is a corporation organized under the laws of the State of Florida, filed on February 16, 1994.

The document number of this corporation is P94000013888.

I further certify that said corporation has paid all fees due this office through December 31, 2019, that its most recent annual report/uniform business report was filed on March 25, 2019, and that its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Twenty-fifth day of March,
2019*



Randy Be
Secretary of State

Tracking Number: 5267454982CC

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>



Ron DeSantis, Governor

Halsey Beshears, Secretary



STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

BOARD OF PROFESSIONAL ENGINEERS

THE ENGINEERING BUSINESS HEREIN IS AUTHORIZED UNDER THE
PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

HILLERS ELECTRICAL ENGINEERING, INC.

23257 STATE RD 7 - STE 100
BOCA RATON FL 33428-5494

LICENSE NUMBER: CA6877

EXPIRATION DATE: FEBRUARY 28, 2021

Always verify licenses online at MyFloridaLicense.com



Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.



Ron DeSantis, Governor

Halsey Beshears, Secretary



STATE OF FLORIDA DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE
PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

HILLERS, PAUL FREDERIK

180 LUCINA DRIVE
HYPO LUXO FL 33462

LICENSE NUMBER: PE41022

EXPIRATION DATE: FEBRUARY 28, 2021

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RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, SECRETARY



STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE
PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

LUTHER, MARK E

8650 WATERCREST CIRCLE WEST
PARKLAND FL 33076

LICENSE NUMBER: PE48801

EXPIRATION DATE: FEBRUARY 28, 2021

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RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, SECRETARY



STATE OF FLORIDA DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE
PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

WIN, THEIN

7085 NW 70TH TER
PARKLAND FL 33067

LICENSE NUMBER: PE65722

EXPIRATION DATE: FEBRUARY 28, 2021

Always verify licenses online at MyFloridaLicense.com

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RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, SECRETARY



STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE
 PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

KAPPES, JAMES W.

360 MULBERRY GROVE ROAD
 ROYAL PALM BEACH FL 33411

LICENSE NUMBER: PE71499

EXPIRATION DATE: FEBRUARY 28, 2021

Always verify licenses online at MyFloridaLicense.com



Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.

TAB 9



ADDITIONAL INFORMATION



ACORD™

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

5/03/2019

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 have **ADDITIONAL INSURED** provisions or 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 any rights to the certificate holder in lieu of such endorsement(s).

PRODUCER USI Insurance Services, LLC 2502 N Rocky Point Drive Suite 400 Tampa, FL 33607	CONTACT NAME: PHONE (A/C, No, Ext): 813 321-7500 FAX (A/C, No): E-MAIL ADDRESS: <table border="1"> <tr> <th data-bbox="812 420 1429 451">INSURER(S) AFFORDING COVERAGE</th> <th data-bbox="1429 420 1576 451">NAIC #</th> </tr> <tr> <td data-bbox="812 451 1429 483">INSURER A : Phoenix Insurance Company</td> <td data-bbox="1429 451 1576 483">25623</td> </tr> <tr> <td data-bbox="812 483 1429 514">INSURER B : Travelers Indemnity Company</td> <td data-bbox="1429 483 1576 514">25658</td> </tr> <tr> <td data-bbox="812 514 1429 546">INSURER C : Travelers Casualty and Surety Company</td> <td data-bbox="1429 514 1576 546">19038</td> </tr> <tr> <td data-bbox="812 546 1429 577">INSURER D : Liberty Insurance Underwriters, Inc.</td> <td data-bbox="1429 546 1576 577">19917</td> </tr> <tr> <td data-bbox="812 577 1429 609">INSURER E :</td> <td data-bbox="1429 577 1576 609"></td> </tr> <tr> <td data-bbox="812 609 1429 638">INSURER F :</td> <td data-bbox="1429 609 1576 638"></td> </tr> </table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A : Phoenix Insurance Company	25623	INSURER B : Travelers Indemnity Company	25658	INSURER C : Travelers Casualty and Surety Company	19038	INSURER D : Liberty Insurance Underwriters, Inc.	19917	INSURER E :		INSURER F :	
INSURER(S) AFFORDING COVERAGE	NAIC #														
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INSURER D : Liberty Insurance Underwriters, Inc.	19917														
INSURER E :															
INSURER F :															
INSURED Hillers Electrical Engineering, Inc. 23257 State Road 7, Suite 100 Boca Raton, FL 33428															

COVERAGES

CERTIFICATE NUMBER:

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 INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<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 type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	6800J840102	05/12/2019	05/12/2020	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$1,000,000 MED EXP (Any one person) \$10,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMP/OP AGG \$2,000,000 \$
B	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS ONLY	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BA6E220998	05/09/2019	05/09/2020	COMBINED SINGLE LIMIT (Ea accident) \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> EXCESS LIAB <input checked="" type="checkbox"/> RETENTION \$10000	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	CUP0123T314	05/12/2019	05/12/2020	EACH OCCURRENCE \$4,000,000 AGGREGATE \$4,000,000 \$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE/OFFICER/MEMBER EXCLUDED? <input checked="" type="checkbox"/> Y / N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	UB5K034370	05/12/2019	05/12/2020	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000
D	Professional Liability			AEXNYABA17B002	05/12/2019	05/12/2020	\$3,000,000 per Claim \$3,000,000 Annl Aggr.

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Professional Liability coverage is written on a claims-made basis.

CERTIFICATE HOLDER

CANCELLATION

For Proposal Purposes

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

[Signature]



(OFFICE USE ONLY) Vendor number:

Vendor Information Form

Operating Name (Payee)	Hillers Electrical Engineering, Inc.		
Legal Name (as filed with IRS)	Hillers Electrical Engineering, Inc.		
Remit-to Address (For Payments)	23257 State Road 7, Suite 100		
	Boca Raton, FL 33428		
Remit-to Contact Name:	Paul Hillers	Title:	President
Email Address:	phillers@hillersee.com		
Phone #:	(561) 451-9165	Fax #	(561) 451-4886
Order-from Address (For purchase orders)	23257 State Road 7, Suite 100		
	Boca Raton, FL 33428		
Order-from Contact Name:	Paul Hillers	Title:	President
Email Address:	phillers@hillersee.com		
Phone #:	(561) 451-9165	Fax #	(561) 451-4886
Return-to Address (For product returns)	23257 State Road 7, Suite 100		
	Boca Raton, FL 33428		
Return-to Contact Name	Paul Hillers	Title:	President
Email Address:	phillers@hillersee.com		
Phone #:	(561) 451-9165	Fax #	(561) 451-4886
Payment Terms:	90 days		

Type of Business (please check one and provide Federal Tax identification or social security Number)

☒ Corporation

Federal ID Number:

65-0469356

☐ Sole Proprietorship/Individual

Social Security No.:

☐ Partnership

☐ Health Care Service Provider

☐ LLC – C (C corporation) – S (S corporation) – P (partnership)

☐ Other (Specify):

Name & Title of Applicant Paul Hillers, President

Signature of Applicant

Paul Hillers

Date

4/11/19

Request for Taxpayer Identification Number and Certification

► Go to www.irs.gov/FormW9 for instructions and the latest information.

Give Form to the
requester. Do not
send to the IRS.

Print or type. See Specific Instructions on page 3.	1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. Hillers Electrical Engineering, Inc.	
	2 Business name/disregarded entity name, if different from above N/A	
	3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes. <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ► Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner. <input type="checkbox"/> Other (see instructions) ►	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____ <small>(Applies to accounts maintained outside the U.S.)</small>
	5 Address (number, street, and apt. or suite no.) See instructions. 23257 State Road 7, Suite 100 6 City, state, and ZIP code Boca Raton, FL 33428 7 List account number(s) here (optional)	Requester's name and address (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number								
			-				-	
or								
Employer identification number								
6	5	-	0	4	6	9	3	5

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign
Here

Signature of
U.S. person ►

P. Hiller

Date ►

4/14/19

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.



**SWORN STATEMENT ON PUBLIC ENTITY CRIMES
UNDER FLORIDA STATUTES CHAPTER 287.133(3)(a).**

1. This sworn statement is submitted Hillers Electrical Engineering, Inc.
(name of entity submitting sworn statement)
whose business address is 23257 State Road 7, Suite 100, Boca Raton, FL 33428
and (if applicable) its Federal Employer Identification Number (FEIN) is
65-0469356. (If the entity has no FEIN, include the Social Security
Number of the individual signing this sworn statement: _____.)
2. My name is Paul Hillers and my
(Please print name of individual signing)
relationship to the entity named above is President.
3. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any bid, proposal, reply, or contract for goods or services, any lease for real property, or any contract for the construction or repair of a public building or public work, involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.
4. I understand that a "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.
5. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means:
 1. A predecessor or successor of a person convicted of a public entity crime: or
 2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The Cityship by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a



joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

6. I understand that a "person" as defined in Paragraph 287.133(1)(e), Florida Statutes, means any natural person or any entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts let by a public entity, or which otherwise transacts or applies to transact business with a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.
7. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. **(Please indicate which statement applies.)**
- ☒ A) Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.
- ☐ B) The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989, AND **(Please indicate which additional statement applies.)**
- ☐ B1) There has been a proceeding concerning the conviction before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer did not place the person or affiliate on the convicted vendor list. **(Please attach a copy of the final order.)**
- ☐ B2) The person or affiliate was placed on the convicted vendor list. There has been a subsequent proceeding before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer determined that it was in the public interest to remove the person or affiliate from the convicted vendor list. **(Please attach a copy of the final order.)**
- ☐ B3) The person or affiliate has not been placed on the convicted vendor list. **(Please describe any action taken by or pending with the Department of General Services.)**

Paul Hillers

Bidder's Name

Hillers Electrical Engineering, Inc.

Company Name

Signature

4/10/2019

Date



LOCAL VENDOR PREFERENCE CERTIFICATION

SECTION 1 GENERAL TERM

LOCAL PREFERENCE

The evaluation of competitive bids is subject to section 35.36 of the City's Procurement Procedures which, except where contrary to federal and state law, or any other funding source requirements, provides that preference be given to local businesses. To satisfy this requirement, the vendor shall affirm in writing its compliance with either of the following objective criteria as of the bid or proposal submission date stated in the solicitation. A local business shall be defined as:

1. "Local Pembroke Pines Vendor" shall mean a business entity which has maintained a permanent place of business with full-time employees within the City limits for a minimum of one (1) year prior to the date of issuance of a bid or proposal solicitation. The permanent place of business may not be a post office box. The business location must actually distribute goods or services from that location. In addition, the business must have a current business tax receipt from the City of Pembroke Pines.

OR;

2. "Local Broward County Vendor" shall mean a business entity which has maintained a permanent place of business with full-time employees within the Broward County limits for a minimum of one (1) year prior to the date of issuance of a bid or proposal solicitation. The permanent place of business may not be a post office box. The business location must actually distribute goods or services from that location. In addition, the business must have a current business tax receipt from the Broward County or the city within Broward County where the business resides.

A preference of five percent (5%) of the total evaluation point, or five percent (5%) of the total price, shall be given to the **Local Pembroke Pines Vendor(s)**; A preference of two and a half percent (2.5%) of the total evaluation point for local, or two and a half percent (2.5%) of the total price, shall be given to the **Local Broward County Vendor(s)**.

COMPARISON OF QUALIFICATIONS

The preferences established in no way prohibit the right of the City to compare quality of supplies or services for purchase and to compare qualifications, character, responsibility and fitness of all persons, firms or corporations submitting bids or proposals. Further, the preference established in no way prohibit the right of the city from giving any other preference permitted by law instead of the preferences granted, nor prohibit the city to select the bid or proposal which is the most responsible and in the best interests of the city.

SECTION 2 AFFIRMATION

LOCAL PREFERENCE CERTIFICATION:

- ☐ Place a check mark here only if affirming bidder meets requirements above as a Local Pembroke Pines Vendor. In addition, the business must attach a current business tax receipt from the City of Pembroke Pines along with any previous business tax receipts to indicate that the business entity has maintained a permanent place of business for a minimum of one (1) year.
- ☐ Place a check mark here only if affirming bidder meets requirements above as a Local Broward County Vendor. In addition, the business must attach a current business tax receipt from the Broward County or the city within Broward County where the business resides along with any previous business tax receipts to indicate that the business entity has maintained a permanent place of business for a minimum of one (1) year.
- ☐ Place a check mark here only if affirming bidder does not meet the requirements above as a Local Vendor.

Failure to complete this certification at this time (by checking either of the boxes above) shall render the vendor ineligible for Local Preference. This form must be completed by/for the proposer; the proposer WILL NOT qualify for Local Vendor Preference based on their sub-contractors' qualifications.

COMPANY NAME: _____

PRINTED NAME / AUTHORIZED SIGNATURE: _____



ANNE M. GANNON
CONSTITUTIONAL TAX COLLECTOR
Serving Palm Beach County

Serving you.

P.O. Box 3353, West Palm Beach, FL 33402-3353
www.pbctax.com Tel: (561) 355-2264

****LOCATED AT****

23257 STATE ROAD 7 #100
BOCA RATON, FL 33428-5494

TYPE OF BUSINESS	OWNER	CERTIFICATION #	RECEIPT #/DATE PAID	AMT PAID	BILL #
56-0016 ENGINEER BUSINESS	HILLERS ELECTRICAL ENGINEERING INC	CA6877	U18.669834 - 08/22/18	\$66.00	B40190217

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

HILLERS ELECTRICAL ENGINEERING INC
HILLERS ELECTRICAL ENGINEERING INC
23257 STATE ROAD 7 STE 100
BOCA RATON, FL 33428-5494

STATE OF FLORIDA
PALM BEACH COUNTY
2018/2019 LOCAL BUSINESS TAX RECEIPT

LBTR Number: 2018111171
EXPIRES: SEPTEMBER 30, 2019

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



VETERAN OWNED SMALL BUSINESS (VOSB) PREFERENCE CERTIFICATION

SECTION 1 GENERAL TERM

VETERAN OWNED SMALL BUSINESS (VOSB) PREFERENCE

The evaluation of competitive bids is subject to section 35.37 of the City's Procurement Procedures which, except where contrary to federal and state law, or any other funding source requirements, provides that preference be given to veteran owned small businesses. To satisfy this requirement, the vendor shall affirm in writing its compliance with the following objective criteria as of the bid or proposal submission date stated in the solicitation. A veteran owned small business shall be defined as:

1. "Veteran Owned Small Business" shall mean a business entity which has received a "Determination Letter" from the United States Department of Veteran Affairs Center for Verification and Evaluation notifying the business that they have been approved as a Veteran Owned Small Business (VOSB).

A preference of two and a half percent (2.5%) of the total evaluation point, or two and a half percent (2.5%) of the total price, shall be given to the **Veteran Owned Small Business (VOSB)**. This shall mean that if a **VOSB** submits a bid/quote that is within 2.5% of the lowest price submitted by any vendor, the **VOSB** shall have an option to submit another bid which is at least 1% lower than the lowest responsive bid/quote. If the **VOSB** submits a bid which is at least 1% lower than that lowest responsive bid/quote, then the award will go to the **VOSB**. If not, the award will be made to the vendor that submits the lowest responsive bid/quote. If the lowest responsive and responsible bidder IS a "**Local Pembroke Pines Vendor**" (**LPPV**) or a "**Local Broward County Vendor**" (**LBCV**) as established in Section 35.36 of the City's Code of Ordinances, entitled "Local Vendor Preference", then the award will be made to that vendor and no other bidders will be given an opportunity to submit additional bids as described herein.

If there is a **LPPV**, a **LBCV**, and a **VOSB** participating in the same bid solicitation and all three vendors qualify to submit a second bid, the **LPPV** will be given first option. If the **LPPV** cannot beat the lowest bid received by at least 1%, an opportunity will be given to the **LBCV**. If the **LBCV** cannot beat the lowest bid by at least 1%, an opportunity will be given to the **VOSB**. If the **VOSB** cannot beat the lowest bid by at least 1%, then the bid will be awarded to the lowest bidder.

If multiple **VOSBs** submit bids/quotes which are within 2.5% of the lowest bid/quote and there are no **LPPV** or **LBCV** as described in Section 35.36 of the City's Code of Ordinance, entitled "Local Vendor Preference", then all **VOSBs** will be asked to submit a **Best and Final Offer (BAFO)**. The award will be made to the **VOSB** submitting the lowest **BAFO** providing that that **BAFO** is at least 1% lower than the lowest bid/quote received in the original solicitation. If no **VOSB** can beat the lowest bid/quote by at least 1%, then the award will be made to the lowest responsive bidder.

COMPARISON OF QUALIFICATIONS

The preferences established in no way prohibit the right of the City to compare quality of supplies or services for purchase and to compare qualifications, character, responsibility and fitness of all persons, firms or corporations submitting bids or proposals. Further, the preference established in no way prohibit the right of the city from giving any other preference permitted by law instead of the preferences granted, nor prohibit the city to select the bid or proposal which is the most responsible and in the best interests of the city.

SECTION 2 AFFIRMATION

VETERAN OWNED SMALL BUSINESS (VOSB) PREFERENCE CERTIFICATION:

- ☐ Place a check mark here only if affirming bidder meets requirements above as a Veteran Owned Small Business. In addition, the bidder must attach the "Determination Letter" from the U.S. Dept. of Veteran Affairs Center.
- ☐ Place a check mark here only if affirming bidder does not meet the requirements above as a VOSB.

Failure to complete this certification at this time (by checking either of the boxes above) shall render the vendor ineligible for VOSB Preference. This form must be completed by/for the proposer; the proposer WILL NOT qualify for VOSB Preference based on their sub-contractors' qualifications.

COMPANY NAME: _____

PRINTED NAME / AUTHORIZED SIGNATURE: _____



EQUAL BENEFITS CERTIFICATION FORM FOR DOMESTIC PARTNERS AND ALL MARRIED COUPLES

Except where federal or state law mandates to the contrary, a Contractor awarded a Contract pursuant to a competitive solicitation shall provide benefits to Domestic Partners and spouses of its employees, irrespective of gender, on the same basis as it provides benefits to employees' spouses in traditional marriages.

The Contractor shall provide the City and/or the City Manager or his/her designee, access to its records for the purpose of audits and/or investigations to ascertain compliance with the provisions of this section, and upon request shall provide evidence that the Contractor is in compliance with the provisions of this section upon each new bid, contract renewal, or when the City Manager has received a complaint or has reason to believe the Contractor may not be in compliance with the provisions of this section. Records shall include but not be limited to providing the City and/or the City Manager or his/her designee with certified copies of the Contractor's records pertaining to its benefits policies and its employment policies and practices.

The Contractor must conspicuously make available to all employees and applicants for employment the following statement:

“During the performance of a contract with the City of Pembroke Pines, Florida, the Contractor will provide Equal Benefits to its employees with spouses, as defined by Section 35.39 of the City’s Code of Ordinances, and its employees with Domestic Partners and all Married Couples”.

The posted statement must also include a City contact telephone number and email address which will be provided to each contractor when a covered contract is executed.

SECTION 1 DEFINITIONS

- 1. Benefits** means the following plan, program or policy provided or offered by a contractor to its employees as part of the employer's total compensation package which may include but is not limited to sick leave, bereavement leave, family medical leave, and health benefits.
- 2. Cash Equivalent** mean the amount of money paid to an employee with a domestic partner or spouse in lieu of providing benefits to the employee's domestic partner or spouse. The cash equivalent is equal to the employer's direct expense of providing benefits to an employee for his or her spouse from a traditional marriage.
- 3. Covered Contract** means a contract between the City and a contractor awarded subsequent to the date when this section becomes effective valued at over \$25,000 or the threshold amount required for competitive bids as required in section 35.18(A) of the Procurement Code.
- 4. Domestic Partner** shall mean any two (2) adults of the same or different sex who have registered as domestic partners with a governmental body pursuant to state or local law authorizing such registration, or with an internal registry maintained by the employer of at



least one of the domestic partners. A contractor may institute an internal registry to allow for the provision of equal benefits to employees with domestic partners who do not register their partnerships pursuant to a governmental body authorizing such registration, or who are located in a jurisdiction where no such governmental domestic partnership registry exists. A contractor that institutes such registry shall not impose criteria for registration that are more stringent than those required for domestic partnership registration by the City of Pembroke Pines.

5. **Equal benefits** means the equality of benefits between employees with spouses and/or dependents of spouses and employees with domestic partners and/or dependents of domestic partners, and/or between spouses of employees and/or dependents of spouses and domestic partners of employees and/or dependents of domestic partners.
6. **Spouse** means one member of a married pair legally married under the laws of any state within the United States of America or any other jurisdiction under which such marriage is legally recognized, irrespective of gender.
7. **Traditional marriage** means a marriage between one man and one woman.

SECTION 2 CERTIFICATION OF CONTRACTOR

The firm providing a response, by virtue of the signature below, certifies that it is aware of the requirements of Section 35.39 "City Contractors providing Equal Benefits for Domestic Partners and all Married Couples" of the City's Code of Ordinances, and certifies the following (**Check only one box below**):

- ☐ A. Contractor currently complies with the requirements of this section; or
- ☐ B. Contractor will comply with the conditions of this section at the time of contract award; or
- ☐ C. Contractor will not comply with the conditions of this section at the time of contract award: or
- ☐ D. Contractor does not comply with the conditions of this section because of the following allowable exemption (**Check only one box below**):
- ☐ 1. The Contractor does not provide benefits to employees' spouses in traditional marriages;
- ☐ 2. The Contractor provides an employee the cash equivalent of benefits because the Contractor is unable to provide benefits to employees' Domestic Partners or spouses despite making reasonable efforts to provide them. To meet this exception, the Contractor shall provide a notarized affidavit that it has made reasonable efforts to provide such benefits. The affidavit shall state the efforts taken to provide such benefits and the amount of the cash equivalent. Cash equivalent means the amount of money paid to an employee with a Domestic Partner or spouse rather than providing benefits to the employee's Domestic Partner or spouse. The cash equivalent is equal to the employer's direct expense of providing benefits to an employee's spouse;



☐ 3. The Contractor is a religious organization, association, society, or any non-profit charitable or educational institution or organization operated supervised or controlled by or in conjunction with a religious organization, association, or society;

☐ 4. The Contractor is a governmental agency;

The certification shall be signed by an authorized officer of the Contractor. Failure to provide such certification (by checking the appropriate boxes above along with completing the information below) shall result in a Contractor being deemed non-responsive.

COMPANY NAME: _____

AUTHORIZED OFFICER NAME / SIGNATURE: _____



VENDOR DRUG-FREE WORKPLACE CERTIFICATION FORM

SECTION 1 GENERAL TERM

Preference may be given to vendors submitting a certification with their bid/proposal certifying they have a drug-free workplace in accordance with Section 287.087, Florida Statutes. This requirement affects all public entities of the State and becomes effective January 1, 1991. The special condition is as follows:

IDENTICAL TIE BIDS - Preference may be given to businesses with drug-free workplace programs. Whenever two or more bids that are equal with respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drugfree workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after each conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

SECTION 2 AFFIRMATION

☐ Place a check mark here only if affirming bidder **complies fully** with the above requirements for a Drug-Free Workplace.

☐ Place a check mark here only if affirming bidder **does not** meet the requirements for a Drug-Free Workplace.

Failure to complete this certification at this time (by checking either of the boxes above) shall render the vendor ineligible for Drug-Free Workplace Preference. This form must be completed by/for the proposer; the proposer WILL NOT qualify for Drug-Free Workplace Preference based on their sub-contractors' qualifications.

Company Name

Authorized Signer Name

Authorized Signature



**SCRUTINIZED COMPANY CERTIFICATION
PURSUANT TO FLORIDA STATUTE § 287.135.**

I, Paul Hillers, President, on behalf of Hillers Electrical Engineering, Inc.,
Print Name and Title Company Name
certify that Hillers Electrical Engineering, Inc.:
Company Name

1. Does not participate in a boycott of Israel; and
2. Is not on the Scrutinized Companies that Boycott Israel list; and
3. Is not on the Scrutinized Companies with Activities in Sudan List; and
4. Is not on the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List; and
5. Has not engaged in business operations in Syria.

Submitting a false certification shall be deemed a material breach of contract. The City shall provide notice, in writing, to the Contractor of the City's determination concerning the false certification. The Contractor shall have ninety (90) days following receipt of the notice to respond in writing and demonstrate that the determination of false certification was made in error. If the Contractor does not demonstrate that the City's determination of false certification was made in error then the City shall have the right to terminate the contract and seek civil remedies pursuant to Florida Statute § 287.135.

Section 287.135, Florida Statutes, prohibits the City from: 1) Contracting with companies for goods or services in any amount if at the time of bidding on, submitting a proposal for, or entering into or renewing a contract if the company is on the Scrutinized Companies that Boycott Israel List, created pursuant to Section 215.4725, F.S. or is engaged in a boycott of Israel; and 2) Contracting with companies, for goods or services over \$1,000,000.00 that are on either the Scrutinized Companies with activities in the Iran Petroleum Energy Sector list, created pursuant to s. 215.473, or are engaged in business operations in Syria.

As the person authorized to sign on behalf of the Contractor, I hereby certify that the company identified above in the section entitled "Contractor Name" does not participate in any boycott of Israel, is not listed on the Scrutinized Companies that Boycott Israel List, is not listed on either the Scrutinized Companies with activities in the Iran Petroleum Energy Sector List, and is not engaged in business operations in Syria. I understand that pursuant to section 287.135, Florida Statutes, the submission of a false certification may subject the company to civil penalties, attorney's fees, and/or costs. I further understand that any contract with the City for goods or services may be terminated at the option of the City if the company is found to have submitted a false certification or has been placed on the Scrutinized Companies with Activities in Sudan list or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List.

Paul Hillers, President

Print Name / Title

P. H. Hillers
Signature

Hillers Electrical Engineering, Inc.

Company Name

Supplier: Hillers Electrical Engineering



City of Pembroke Pines

Attachment A

CONTACT INFORMATION FORM

IN ACCORDANCE WITH RFQ # PSUT-19-01 titled “Power Electrical Engineering Services for the Utilities Division” attached hereto as a part hereof, the undersigned submits the following:

A) Contact Information

The Contact information form shall be electronically signed by one duly authorized to do so, and in case signed by a deputy or subordinate, the principal's properly written authority to such deputy or subordinate must accompany the proposal. This form must be completed and submitted through www.bidsync.com as part of the bidder's submittal. The vendor must provide their pricing through the designated lines items listed on the BidSync website.

COMPANY INFORMATION:

COMPANY: **Hillers Electrical Engineering, Inc.**
STREET ADDRESS: **23257 STATE ROAD 7 STE 100**
CITY, STATE & ZIP CODE: **BOCA RATON, FL 33428**

PRIMARY CONTACT FOR THE PROJECT:

NAME: **Paul Hillers** TITLE: **President**
E-MAIL: **jacki.yasin@hillersee.com**
TELEPHONE: **5614519165** FAX: **561-451-4886**

AUTHORIZED APPROVER:

NAME: **Paul Hillers** TITLE: **President**
E-MAIL: **phillers@hillersee.com**
TELEPHONE: **5614519165** FAX: **561-451-4886**
SIGNATURE: **Paul Hillers**

B) Proposal Checklist

Did you make sure to submit the following items, as stated in section 1.5 “Proposal Requirements” of the bid package?

Title Page	Yes <input checked="" type="checkbox"/>
Letter of Interest	Yes <input checked="" type="checkbox"/>
Standard Form 330 (Parts I and II)	Yes <input checked="" type="checkbox"/>
Certified Minority Business Enterprise Certification	Yes <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
Firm’s Understanding and Approach to the Work	Yes <input checked="" type="checkbox"/>
Willingness to meet time and budget requirements	Yes <input checked="" type="checkbox"/>
Recent, current, and projected workloads of the firm	Yes <input checked="" type="checkbox"/>
Attachment A - Contact Information Form	Yes <input checked="" type="checkbox"/>
Attachment B - Non-Collusive Affidavit	Yes <input checked="" type="checkbox"/>
Attachment C - Proposer’s Completed Qualification Statement	Yes <input checked="" type="checkbox"/>
Attachment F - References Form	Yes <input checked="" type="checkbox"/>

Did you make sure to update the following documents found under the “Vendor Registration” group of “Qualifications” on the BidSync website for the City of Pembroke Pines?

Vendor Information Form	Yes <input checked="" type="checkbox"/>
Form W-9 (Rev. October 2018)	Yes <input checked="" type="checkbox"/>
Sworn Statement on Public Entity Crimes Form	Yes <input checked="" type="checkbox"/>
Local Vendor Preference Certification	Yes <input checked="" type="checkbox"/>
Local Business Tax Receipts	Yes <input checked="" type="checkbox"/>
Veteran Owned Small Business Preference Certification	Yes <input checked="" type="checkbox"/>
Equal Benefits Certification Form	Yes <input checked="" type="checkbox"/>
Vendor Drug-Free Workplace Certification Form	Yes <input checked="" type="checkbox"/>
Scrutinized Company Certification	Yes <input checked="" type="checkbox"/>

Supplier: **Hillers Electrical Engineering**



City of Pembroke Pines

Attachment B

NON-COLLUSIVE AFFIDAVIT

BIDDER is the **Owner**,
(Owner, Partner, Officer, Representative or Agent)

BIDDER is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances respecting such Bid;

Such Bid is genuine and is not a collusive or sham Bid;

Neither the said BIDDER nor any of its officers, partners, owners, agents, representative, employees or parties in interest, including this affidavit, have in any way colluded, conspired, connived or agreed, directly or indirectly, with any other BIDDER, firm or person to submit a collusive or sham Bid in connection with the Contract for which the attached Bid has been submitted; or to refrain from bidding in connection with such Contract; or have in any manner, directly or indirectly, sought by agreement or collusion, or communications, or conference with any BIDDER, firm, or person to fix the price or prices in the attached Bid or any other BIDDER, or to fix any overhead, profit, or cost element of the Bid Price or the Bid Price of any other BIDDER, or to secure through any collusion conspiracy, connivance, or unlawful agreement any advantage against (Recipient), or any person interested in the proposed Contract;

The price of items quoted in the attached Bid are fair and proper and are not tainted by collusion, conspiracy, connivance, or unlawful agreement on the part of the BIDDER or any other of its agents, representatives, owners, employees or parties in interest, including this affidavit.

Printed Name/Signature **Paul Hillers**

Title **President**

Name of Company **Hillers Electrical Engineering, Inc.**

Supplier: **Hillers Electrical Engineering**



City of Pembroke Pines

Attachment C

PROPOSER'S QUALIFICATIONS STATEMENT

PROPOSER shall furnish the following information. Failure to comply with this requirement will render Bid non-responsive and shall cause its rejection. Additional sheets shall be attached as required.

PROPOSER'S Name and Principal Address:

**Hillers Electrical Engineering, Inc.
23257 State Road 7, Suite 100
Boca Raton, FL 33428**

PROPOSER'S License Number: **CA6877**

(Please attach certificate of status, competency, and/or state registration.)

Number of years your organization has been in business **25**

State the number of years your firm has been in business under your present business name **25**

State the number of years your firm has been in business in the work specific to this solicitation: **25**

Names and titles of all officers, partners or individuals doing business under trade name:

**Paul Hillers, President
Tom Doran, Vice President**

IF USING A FICTITIOUS NAME, SUBMIT EVIDENCE OF COMPLIANCE WITH FLORIDA FICTITIOUS NAME STATUTE.

Under what former name has your business operated? Include a description of the business. Failure to include such information shall be deemed to be intentional misrepresentation by the City and shall render the proposer non-responsive.

N/A

At what address was that business located?

N/A

Name, address, and telephone number of surety company and agent who will provide the required bonds on this contract:

We are not a contractor. We only hold professional, commercial general, auto, and workers compensation liability insurance.

Have you ever failed to complete work awarded to you. If so, when, where and why?

No

Have you personally inspected the proposed WORK and do you have a complete plan for

its performance?

N/A

Will you subcontract any part of this WORK? If so, give details including a list of each sub-contractor(s) that will perform work in excess of ten percent (10%) of the contract amount and the work that will be performed by each subcontractor(s).

No

The foregoing list of subcontractor(s) may not be amended after award of the contract without the prior written approval of the Contract Administrator, whose approval shall not be reasonably withheld.

List and describe all bankruptcy petitions (voluntary or involuntary) which have been filed by or against the Proposer, its parent or subsidiaries or predecessor organizations during the past five (5) years. Include in the description the disposition of each such petition.

N/A

List and describe all successful Bond claims made to your surety (ies) during the last five (5) years. The list and descriptions should include claims against the bond of the Proposer and its predecessor organization(s).

N/A

List all claims, arbitrations, administrative hearings and lawsuits brought by or against the Proposer or its predecessor organizations(s) during the last (10) years. The list shall include all case names; case, arbitration or hearing identification numbers; the name of the project over which the dispute arose; and a description of the subject matter of the dispute.

N/A

List and describe all criminal proceedings or hearings concerning business related offenses in which the Proposer, its principals or officers or predecessor organization(s) were defendants.

N/A

Are you an Original provider sales representative distributor, broker, manufacturer other, of the commodities/services proposed upon? If other than the original provider, explain below.

Original Provider

Have you ever been debarred or suspended from doing business with any governmental agency? If yes, please explain:

No

Describe the firm's local experience/nature of service with contracts of similar size and complexity, it the previous three (3) years:

For the last 11 years, we have held the Professional Services contract for Electrical, Instrumentation & Telemetry Engineering Services for the Palm Beach County Water Utilities Department. We also hold the contract for Professional Consulting Services on Continuing Contract Basis for the Village of Wellington, City of West Palm Beach, and the City of Pompano

Beach. Hiller's also provide electrical, instrumentation & control design and construction services to many municipalities throughout South Florida.

The PROPOSER acknowledges and understands that the information contained in response to this Qualification Statement shall be relied upon by CITY in awarding the contract and such information is warranted by PROPOSER to be true. The discovery of any omission or misstatement that materially affects the PROPOSER's qualifications to perform under the contract shall cause the CITY to reject the Bid, and if after the award, to cancel and terminate the award and/or contract.

Hillers Electrical Engineering, Inc.
(Company Name)

Paul Hillers
(Printed Name/Signature)

Supplier: Hillers Electrical Engineering**REFERENCES FORM**

Provide specific examples of similar contracts. References should be capable of explaining and confirming your firm's capacity to successfully complete the scope of work outlined herein. **This form should be duplicated for each reference and any additional information that would be helpful can be attached.**

Reference Contact Information:

Name of Firm, City, County or Agency: **Broward County Water & Wastewater**

Address: **2555 West Copans Road**

City/State/Zip: **Pompano Beach, FL 33069**

Contact Name: **Mark Darmanin, P.E.** Title: **Director of Water & Wastewater Operations**

E-Mail Address: **mdarmanin@broward.org**

Telephone: **954.831.0810** Fax: **954.831.0789**

Project Information:

Name of Contractor Performing the work: **Hillers Electrical Engineering, Inc.**

Name and location of the project: **Broward County NRWTP Biogas Energy Project
Pompano Beach, FL**

Nature of the firm's responsibility on the project: **Provided electrical, instrumentation and control and construction services, programming, and arc flash study.**

Project duration: **50 months** Completion (Anticipated) Date: **11/2016**

Size of project: **N/A** Cost of project: **\$478,285.79**

Work for which staff was responsible: **Designed renewable source generator interconnect with utility power source. Designed new Fat, Oil and Grease(FOG) Receiving and Dosing System. Reviewed shop drawings, RFI, inspections, programmed PLC's and HMI's, start-up and training.**

Contract Type: **Lump Sum**

The results/deliverables of the project: **On-time/within budget**

REFERENCES FORM

Provide specific examples of similar contracts. References should be capable of explaining and confirming your firm's capacity to successfully complete the scope of work outlined herein. **This form should be duplicated for each reference and any additional information that would be helpful can be attached.**

Reference Contact Information:

Name of Firm, City, County or Agency: **City of Lake Worth**

Address: **301 College Street**

City/State/Zip: **Lake Worth, FL 33460**

Contact Name: **Brian Shields, P.E.** Title: **Water Utilities Director**

E-Mail Address: **bshields@lakeworth.org**

Telephone: **561.586.1675** Fax: **unknown**

Project Information:

Name of Contractor Performing the work: **Hillers Electrical Engineering, Inc.**

Name and location of the project: **Lake Worth WTP Generator Interconnect and Miscellaneous Electrical Improvements
Lake Worth, FL**

Nature of the firm's responsibility on the project: **Provided electrical engineering design and bidding services.**

Project duration: **6 months** Completion (Anticipated) Date: **4/2019**

Size of project: **N/A** Cost of project: **\$20,025**

Work for which staff was responsible: **Expanded existing fire alarm, designed switchgear interconnection between two Plant electrical services to improve reliability, repowered distribution pumps and bidding services.**

Contract Type: **Lump Sum**

The results/deliverables of the project: **On-time/within budget**

REFERENCES FORM

Provide specific examples of similar contracts. References should be capable of explaining and confirming your firm's capacity to successfully complete the scope of work outlined herein. **This form should be duplicated for each reference and any additional information that would be helpful can be attached.**

Reference Contact Information:

Name of Firm, City, County or Agency: **Palm Beach County Water Utilities Dept.**

Address: **8100 Forest Hill Blvd.**

City/State/Zip: **West Palm Beach, FL 33413**

Contact Name: **Craig Irwin, P.E.** Title: **Project Manager**

E-Mail Address: **cirwin@pbwater.com**

Telephone: **561.493.6024** Fax: **561.493.6008**

Project Information:

Name of Contractor Performing the work: **Hillers Electrical Engineering, Inc.**

Name and location of the project: **SRWRF Headworks and Effluent Transfer Pumping
Improvements
Boynton Beach, FL**

Nature of the firm's responsibility on the project: **Provided electrical, instrumentation and control
design and construction services.**

Project duration: **33 months** Completion (Anticipated) Date: **6/2019**

Size of project: **N/A** Cost of project: **\$335,880**

Work for which staff was responsible: **Upgraded existing electrical service, replacement of
Headworks screening equipment, explosive gas sensors and analytical instruments, bidding
services,
shop drawing review, RFI, inspections and start-up.**

Contract Type: **Lump Sum/Not-to-exceed**

The results/deliverables of the project: **Currently on-time/within budget**

REFERENCES FORM

Provide specific examples of similar contracts. References should be capable of explaining and confirming your firm's capacity to successfully complete the scope of work outlined herein. **This form should be duplicated for each reference and any additional information that would be helpful can be attached.**

Reference Contact Information:

Name of Firm, City, County or Agency: **South Florida Water Management District**

Address: **3301 Gun Club Road**

City/State/Zip: **West Palm Beach, FL 33406**

Contact Name: **Northon Jocelyn, P.E.** Title: **Project Manager**

E-Mail Address: **njocely@sfwmd.gov**

Telephone: **561.682.2593** Fax: **561.682.5133**

Project Information:

Name of Contractor Performing the work: **Hillers Electrical Engineering, Inc.**

Name and location of the project: **SFWMD S-5A Pump Station Re-Powering and Automation
Loxahatchee, FL**

Nature of the firm's responsibility on the project: **Provided electrical, instrumentation and control design
and construction services.**

Project duration: **72 months** Completion (Anticipated) Date: **2023**

Size of project: **N/A** Cost of project: **\$1,844,208**

Work for which staff was responsible: **Design of electrical system replacement,
automation of pumping systems, bid services, shop drawing review, RFI, inspections, witness
Factory Testing, EDC, start-up and testing services.**

Contract Type: **Lump Sum/Not-to-exceed**

The results/deliverables of the project: **Currently on-time/ within budget**

REFERENCES FORM

Provide specific examples of similar contracts. References should be capable of explaining and confirming your firm's capacity to successfully complete the scope of work outlined herein. **This form should be duplicated for each reference and any additional information that would be helpful can be attached.**

Reference Contact Information:

Name of Firm, City, County or Agency: **Village of Wellington**

Address: **12300 Forest Hill Blvd**

City/State/Zip: **Wellington, FL 33414**

Contact Name: **Shannon LaRocque, P.E.** Title: **Utility Director**

E-Mail Address: **slarocque@wellingtonfl.gov**

Telephone: **561.791.4008** Fax: **561.791.4045**

Project Information:

Name of Contractor Performing the work: **Hillers Electrical Engineering, Inc.**

Name and location of the project: **Wellington WRF Telemetry Backhaul Radio Upgrade
Wellington, FL**

Nature of the firm's responsibility on the project: **Provided electrical, instrumentation and control engineering and construction services.**

Project duration: **11 months** Completion (Anticipated) Date: **20/2018**

Size of project: **N/A** Cost of project: **\$27,582.18**

Work for which staff was responsible: **Design for the replacement of obsolete radios to improve communication reliability with collection & distribution systems. Provided bidding services, shop drawing review, RFI, and site visits.**

Contract Type: **Lump Sum**

The results/deliverables of the project: **On-time/within budget**