

REQUEST FOR PROPOSALS (RFP)

DESIGN, BUILD, OPERATE AND MAINTAIN WATER, WASTEWATER AND STORMWATER SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA) & PROGRAMMABLE LOGIC CONTROLLER (PLC)

2018-233-KB

RFQ ISSUANCE DATE: APRIL 28, 2018

STATEMENTS OF QUALIFICATIONS DUE: JUNE 12, 2018 @ 3:00 PM

ISSUED BY:



MIAMIBEACH

Kristy Bada, Contracting Officer III

PROCUREMENT DEPARTMENT

1755 Meridian Avenue, 3rd Floor, Miami Beach, FL 33139

305.673.7490 | www.miamibeachfl.gov

TABLE OF CONTENTS

<u>SOLICITATION SECTIONS:</u>		<u>PAGE</u>
0100	NOT UTILIZED	N/A
0200	INSTRUCTIONS TO PROPOSERS & GENERAL CONDITIONS	3
0300	PROPOSAL SUBMITTAL INSTRUCTIONS & FORMAT	12
0400	PROPOSAL EVALUATION	14
<u>APPENDICES:</u>		<u>PAGE</u>
APPENDIX A	PROPOSAL CERTIFICATION, QUESTIONNAIRE AND AFFIDAVITS	20
APPENDIX B	“NO PROPOSAL” FORM	27
APPENDIX C	MINIMUM REQUIREMENTS & SPECIFICATIONS	29
APPENDIX D	SPECIAL CONDITIONS	40
APPENDIX E	COST PROPOSAL FORM	41
APPENDIX F	INSURANCE REQUIREMENTS	45
APPENDIX G	CITY OWNED OR LEASED ROOFTOP MOUNTING ASSETS	47
APPENDIX H	STATION COORDINATES	49

SECTION 0200**INSTRUCTIONS TO RESPONDENTS & GENERAL CONDITIONS**

1. GENERAL. This Request for Proposals (RFP) is issued by the City of Miami Beach, Florida (the “City”), as the means for prospective Proposers to submit their qualifications, proposed scopes of work and cost proposals (the “proposal”) to the City for the City’s consideration as an option in achieving the required scope of services and requirements as noted herein. All documents released in connection with this solicitation, including all appendixes and addenda, whether included herein or released under separate cover, comprise the solicitation, and are complementary to one another and together establish the complete terms, conditions and obligations of the Proposers and, subsequently, the successful Proposer(s) (the “contractor[s]”) if this RFP results in an award.

The City utilizes **PublicPurchase** (www.publicpurchase.com) for automatic notification of competitive solicitation opportunities and document fulfillment, including the issuance of any addendum to this RFP. Any prospective Proposer who has received this RFP by any means other than through **PublicPurchase** must register immediately with **PublicPurchase** to assure it receives any addendum issued to this RFP. **Failure to receive an addendum may result in disqualification of proposal submitted.**

2. PURPOSE.

The City of Miami Beach (CMB) is seeking qualified recipients to respond to this Request for Proposal (RFP) for an all-inclusive Supervisory Control and Data Acquisition (SCADA) package that includes engineering, design, integration and installation of a radio-based or equal form of communication, internet accessible SCADA system including Programmable Logic Controller (PLC). The SCADA system will be for remote monitor and control of potable water storage tanks and pumping station, wastewater pumping stations, stormwater pumping stations, and all associated monitoring stations (flow, pressure, etc.).

Proposals received pursuant to this RFP will be evaluated in a two-phased process (Phase I and Phase II). Phase I Proposers will be evaluated in accordance with the criteria established in Section 0400 for Phase I Evaluation. Following City Commission selection of the short-listed proposers pursuant to Phase I of the RFP, the short-listed proposers will be allotted approximately 45 days to prepare a detailed technical proposal for the Project. The short-listed proposers will also be provided, via addendum, with the formal Design Criteria Package (DCP) and Design/Build Agreement. Following Phase I short-listing and prior to receipt of proposals pursuant to Phase II, the City may issue further information and clarifications via Addenda to the short-listed proposers, including (but not limited to) any amendments to the Design Criteria Package, cost tender form, form of contract, and other informational items or requirements necessary for the short-listed proposers to submit its Phase II proposals. Additionally, the City will conduct a pre-submittal conference with short-listed proposers to facilitate project understanding and consider any project specific questions from the short-listed proposers. Phase II proposals will be evaluated in accordance with the criteria established in Section 0400 for Phase II Evaluation. Following City Commission approval of the City Managers recommendation pursuant to Phase II, the City will enter into contract negotiations and execution.

This RFP is issued pursuant to Chapter 287.055, Florida Statutes, the Consultants Competitive Negotiations Act (CCNA). The design criteria professional for this project is precluded from participating in this solicitation.

3. ANTICIPATED RFP TIMETABLE. The tentative schedule for this solicitation is as follows:

Solicitation Issued	April 28, 2018
Pre-Submittal Meeting and Mandatory Site Visit	May 9, 2018 at 11:00AM

Deadline for Receipt of Questions	June 2, 2018 at 5:00PM
Responses Due	June 12, 2018 at 3:00PM
Evaluation Committee Review	TBD
Proposer Presentations	TBD
Tentative Commission Approval Authorizing Negotiations	TBD
Contract Negotiations	Following Commission Approval

4. PROCUREMENT CONTACT. Any questions or clarifications concerning this solicitation shall be submitted to the Procurement Contact noted below:

Procurement Contact:
KRISTY BADA

Telephone:
305-673-7490

Email:
KRISTYBADA@MIAMIBEACHFL.GOV

Additionally, the City Clerk is to be copied on all communications via e-mail at: RafaelGranado@miamibeachfl.gov, or via facsimile: 786-394-4188.

The Bid title/number shall be referenced on all correspondence. All questions or requests for clarification must be received no later than ten (10) calendar days prior to the date proposals are due as scheduled in Section 0200-3. All responses to questions/clarifications will be sent to all prospective Proposers in the form of an addendum.

5. PRE-PROPOSAL MEETING OR SITE VISIT(S). Only if deemed necessary by the City, a pre-proposal meeting or site visit(s) may be scheduled.

A Pre-PROPOSAL conference will be held as scheduled in Anticipated RFP Timetable section above at the following address:

**City of Miami Beach
Procurement Department
Conference Room
1755 Meridian Avenue, 3rd Floor
Miami Beach, Florida 33139**

Attendance (in person or via telephone) is encouraged and recommended as a source of information, but is not mandatory. Proposers interested in participating in the Pre-Proposal Submission Meeting via telephone must follow these steps:

- (1) Dial the TELEPHONE NUMBER: 1- 888-270-9936 (Toll-free North America)
- (2) Enter the MEETING NUMBER: 5804578

Proposers who are interested in participating via telephone should send an e-mail to the contact person listed in this RFP expressing their intent to participate via telephone.

6. PRE-PROPOSAL INTERPRETATIONS. Oral information or responses to questions received by prospective Proposers are not binding on the City and will be without legal effect, including any information received at pre-submittal meeting or site visit(s). The City by means of Addenda will issue interpretations or written addenda clarifications considered necessary by the City in response to questions. Only questions answered by written addenda will be binding and may supersede terms noted in this solicitation. Addendum will be released through

PublicPurchase. Any prospective proposer who has received this RFP by any means other than through PublicPurchase must register immediately with PublicPurchase to assure it receives any addendum issued to this RFP. Failure to receive an addendum may result in disqualification of proposal. Written questions should be received no later than the date outlined in the **Anticipated RFP Timetable** section.

7. CONE OF SILENCE. This RFP is subject to, and all proposers are expected to be or become familiar with, the City's Cone of Silence Requirements, as codified in Section 2-486 of the City Code. Proposers shall be solely responsible for ensuring that all applicable provisions of the City's Cone of Silence are complied with, and shall be subject to any and all sanctions, as prescribed therein, including rendering their response voidable, in the event of such non-compliance. Communications regarding this solicitation are to be submitted in writing to the Procurement Contact named herein with a copy to the City Clerk at rafaelgranado@miamibeachfl.gov

8. SPECIAL NOTICES. You are hereby advised that this solicitation is subject to the following ordinances/resolutions, which may be found on the City Of Miami Beach website: <http://web.miamibeachfl.gov/procurement/scroll.aspx?id=79113>

• CONE OF SILENCE.....	CITY CODE SECTION 2-486
• PROTEST PROCEDURES.....	CITY CODE SECTION 2-371
• DEBARMENT PROCEEDINGS.....	CITY CODE SECTIONS 2-397 THROUGH 2-485.3
• LOBBYIST REGISTRATION AND DISCLOSURE OF FEES.....	CITY CODE SECTIONS 2-481 THROUGH 2-406
• CAMPAIGN CONTRIBUTIONS BY VENDORS.....	CITY CODE SECTION 2-487
• CAMPAIGN CONTRIBUTIONS BY LOBBYISTS ON PROCUREMENT ISSUES.....	CITY CODE SECTION 2-488
• REQUIREMENT FOR CITY CONTRACTORS TO PROVIDE EQUAL BENEFITS FOR DOMESTIC PARTNERS.....	CITY CODE SECTION 2-373
• LIVING WAGE REQUIREMENT.....	CITY CODE SECTIONS 2-407 THROUGH 2-410
• PREFERENCE FOR FLORIDA SMALL BUSINESSES OWNED AND CONTROLLED BY VETERANS AND TO STATE-CERTIFIED SERVICE-DISABLED VETERAN BUSINESS ENTERPRISES.....	CITY CODE SECTION 2-374
• FALSE CLAIMS ORDINANCE.....	CITY CODE SECTION 70-300
• ACCEPTANCE OF GIFTS, FAVORS & SERVICES.....	CITY CODE SECTION 2-449

9. PUBLIC ENTITY CRIME. A person or affiliate who has been placed on the convicted vendor list following a conviction for public entity crimes may not submit a bid on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to public entity, may not be awarded or perform work as a contractor, supplier, sub-contractor, or consultant under a contract with a public entity, and may not transact business with any public entity in excess of the threshold amount provided in Sec. 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

10. COMPLIANCE WITH THE CITY'S LOBBYIST LAWS. This RFP is subject to, and all Proposers are expected to be or become familiar with, all City lobbyist laws. Proposers shall be solely responsible for ensuring that all City lobbyist laws are complied with, and shall be subject to any and all sanctions, as prescribed therein, including, without limitation, disqualification of their responses, in the event of such non-compliance.

11. DEBARMENT ORDINANCE: This RFP is subject to, and all proposers are expected to be or become familiar with, the City's Debarment Ordinance as codified in Sections 2-397 through 2-406 of the City Code.

12. WITH THE CITY'S CAMPAIGN FINANCE REFORM LAWS. This RFP is subject to, and all Proposers are expected to be or become familiar with, the City's Campaign Finance Reform laws, as codified in Sections 2-487 through 2-490 of the City Code. Proposers shall be solely responsible for ensuring that all applicable provisions of the City's Campaign Finance Reform laws are complied with, and shall be subject to any and all sanctions, as prescribed therein, including disqualification of their responses, in the event of such non-compliance.

13. CODE OF BUSINESS ETHICS. Pursuant to City Resolution No.2000-23879, the Proposer shall adopt a Code of Business Ethics ("Code") and submit that Code to the Procurement Division with its response or within five (5) days upon receipt of request. The Code shall, at a minimum, require the Proposer, to comply with all applicable governmental rules and regulations including, among others, the conflict of interest, lobbying and ethics provision of the City of Miami Beach and Miami Dade County.

14. AMERICAN WITH DISABILITIES ACT (ADA). Call 305-673-7490 to request material in accessible format; sign language interpreters (five (5) days in advance when possible), or information on access for persons with disabilities. For more information on ADA compliance, please call the Public Works Department, at 305-673- 7000, Extension 2984.

15. POSTPONEMENT OF DUE DATE FOR RECEIPT OF PROPOSALS. The City reserves the right to postpone the deadline for submittal of proposals and will make a reasonable effort to give at least three (3) calendar days written notice of any such postponement to all prospective Proposers through *PublicPurchase*.

16. PROTESTS. Proposers that are not selected may protest any recommendation for selection of award in accordance with the proceedings established pursuant to the City's bid protest procedures, as codified in Sections 2-370 and 2-371 of the City Code (the City's Bid Protest Ordinance). Protest not timely made pursuant to the requirements of the City's Bid Protest Ordinance shall be barred.

17. JOINT VENTURES. Joint Ventures are not allowed. Proposals shall be submitted only by the prime contractor. Proposals may, however, identify other sub-contractors or sub-consultants to the prime Proposer who may serve as team members.

18. VETERAN BUSINESS ENTERPRISES PREFERENCE. Pursuant to City Code Section 2-374, the City shall give a preference to a responsive and responsible Proposer which is a small business concern owned and controlled by a veteran(s) or which is a service-disabled veteran business enterprise, and which is within five percent (5%) of the lowest responsive, responsible proposer, by providing such proposer an opportunity of providing said goods or contractual services for the lowest responsive proposal amount (or in this RFP, the highest proposal amount). Whenever, as a result of the foregoing preference, the adjusted prices of two (2) or more proposers which are a small business concern owned and controlled by a veteran(s) or a service-disabled veteran business enterprise constitute the lowest proposal pursuant to an RFP or oral or written request for quotation, and such proposals are responsive, responsible and otherwise equal with respect to quality and service, then the award shall be made to the service-disabled veteran business enterprise.

19. DETERMINATION OF AWARD. The final ranking results of Step 1 & 2 outlined in Section 0400, Evaluation of Proposals, will be considered by the City Manager who may recommend to the City Commission the Proposer(s) s/he deems to be in the best interest of the City or may recommend rejection of all proposals. The City Manager's recommendation need not be consistent with the scoring results identified herein and takes into consideration Miami Beach City Code Section 2-369, including the following considerations:

- (1) The ability, capacity and skill of the Proposer to perform the contract.
- (2) Whether the Proposer can perform the contract within the time specified, without delay or interference.
- (3) The character, integrity, reputation, judgment, experience and efficiency of the Proposer.
- (4) The quality of performance of previous contracts.
- (5) The previous and existing compliance by the Proposer with laws and ordinances relating to the contract.

The City Commission shall consider the City Manager's recommendation and may approve such recommendation. The City Commission may also, at its option, reject the City Manager's recommendation and select another Proposal or Proposals which it deems to be in the best interest of the City, or it may also reject all Proposals.

20. NEGOTIATIONS. Following selection, the City reserves the right to enter into further negotiations with the selected Proposer. Notwithstanding the preceding, the City is in no way obligated to enter into a contract with the selected Proposer in the event the parties are unable to negotiate a contract. It is also understood and acknowledged by Proposers that no property, contract or legal rights of any kind shall be created at any time until and unless an Agreement has been agreed to; approved by the City; and executed by the parties.

21. POSTPONEMENT/CANCELLATION/ACCEPTANCE/REJECTION. The City may, at its sole and absolute discretion, reject any and all, or parts of any and all, responses; re-advertise this RFP; postpone or cancel, at any time, this RFP process; or waive any irregularities in this RFP, or in any responses received as a result of this RFP. Reasonable efforts will be made to either award the proposer the contract or reject all proposals within one-hundred twenty (120) calendar days after proposal opening date. A proposer may withdraw its proposal after expiration of one hundred twenty (120) calendar days from the date of proposal opening by delivering written notice of withdrawal to the Procurement Department prior to award of the contract by the City Commission.

22. PROPOSER'S RESPONSIBILITY. Before submitting a response, each Proposer shall be solely responsible for making any and all investigations, evaluations, and examinations, as it deems necessary, to ascertain all conditions and requirements affecting the full performance of the contract. Ignorance of such conditions and requirements, and/or failure to make such evaluations, investigations, and examinations, will not relieve the Proposer from any obligation to comply with every detail and with all provisions and requirements of the contract, and will not be accepted as a basis for any subsequent claim whatsoever for any monetary consideration on the part of the Proposer.

23. COSTS INCURRED BY PROPOSERS. All expenses involved with the preparation and submission of Proposals, or any work performed in connection therewith, shall be the sole responsibility (and shall be at the sole cost and expense) of the Proposer, and shall not be reimbursed by the City.

24. RELATIONSHIP TO THE CITY. It is the intent of the City, and Proposers hereby acknowledge and agree, that the successful Proposer is considered to be an independent contractor, and that neither the Proposer, nor the Proposer's employees, agents, and/or contractors, shall, under any circumstances, be considered employees or agents of the City.

24. OCCUPATIONAL HEALTH AND SAFETY. In compliance with Chapter 442, Florida Statutes, any toxic substance listed in Section 38F-41.03 of the Florida Administrative Code delivered as a result of this proposal must be accompanied by a Material Safety Data Sheet (MSDS) which may be obtained from the manufacturer.

25. ENVIRONMENTAL REGULATIONS. The City reserves the right to consider a proposer's history of citations and/or violations of environmental regulations in investigating a proposer's responsibility, and further reserves the right to declare a proposer not responsible if the history of violations warrant such determination in the opinion of the City. Proposer shall submit with its proposal, a complete history of all citations and/or violations, notices and dispositions thereof. The non-submission of any such documentation shall be deemed to be an affirmation by the Proposer that there are no citations or violations. Proposer shall notify the City immediately of notice of any citation or violation which proposer may receive after the proposal opening date and during the time of performance of any contract awarded to it.

26. TAXES. The City of Miami Beach is exempt from all Federal Excise and State taxes.

27. MISTAKES. Proposers are expected to examine the terms, conditions, specifications, delivery schedules, proposed pricing, and all instructions pertaining to the goods and services relative to this RFP. Failure to do so will be at the Proposer's risk and may result in the Proposal being non-responsive.

28. PAYMENT. Payment will be made by the City after the goods or services have been received, inspected, and found to comply with contract, specifications, free of damage or defect, and are properly invoiced. Invoices must be consistent with Purchase Order format.

29. COPYRIGHT, PATENTS & ROYALTIES. Proposer shall indemnify and save harmless the City of Miami Beach, Florida, and its officers, employees, contractors, and/or agents, from liability of any nature or kind, including cost and expenses for, or on account of, any copyrighted, patented, or unpatented invention, process, or article manufactured or used in the performance of the contract, including its use by the City of Miami Beach, Florida. If the Proposer uses any design, device or materials covered by letters, patent, or copyright, it is mutually understood and agreed, without exception, that the proposal prices shall include all royalties or cost arising from the use of such design, device, or materials in any way involved in the work.

30. DEFAULT: Failure or refusal of the selected Proposer to execute a contract following approval of such contract by the City Commission, or untimely withdrawal of a response before such award is made and approved, may result in a claim for damages by the City and may be grounds for removing the Proposer from the City's vendor list.

31. MANNER OF PERFORMANCE. Proposer agrees to perform its duties and obligations in a professional manner and in accordance with all applicable Local, State, County, and Federal laws, rules, regulations and codes. Lack of knowledge or ignorance by the Proposer with/of applicable laws will in no way be a cause for relief from responsibility. Proposer agrees that the services provided shall be provided by employees that are educated, trained, experienced, certified, and licensed in all areas encompassed within their designated duties. Proposer agrees to furnish to the City any and all documentation, certification, authorization, license, permit, or registration currently required by applicable laws, rules, and regulations. Proposer further certifies that it and its employees will keep all licenses, permits, registrations, authorizations, or certifications required by applicable laws or regulations in full force and effect during the term of this contract. Failure of Proposer to comply with this paragraph shall constitute a material breach of this contract.

Where contractor is required to enter or go on to City of Miami Beach property to deliver materials or perform work or services as a result of any contract resulting from this solicitation, the contractor will assume the full duty, obligation and expense of obtaining all necessary licenses, permits, and insurance, and assure all work complies with all applicable laws. The contractor shall be liable for any damages or loss to the City occasioned by negligence of the Proposer, or its officers, employees, contractors, and/or agents, for failure to comply with applicable laws.

32. SPECIAL CONDITIONS. Any and all Special Conditions that may vary from these General Terms and Conditions shall have precedence.

33. NON-DISCRIMINATION. The Proposer certifies that it is in compliance with the non-discrimination clause contained in Section 202, Executive Order 11246, as amended by Executive Order 11375, relative to equal employment opportunity for all persons without regard to race, color, religion, sex or national origin. In accordance with the City's Human Rights Ordinance, codified in Chapter 62 of the City Code, Proposer shall prohibit discrimination by reason of race, color, national origin, religion, sex, intersexuality, gender identity, sexual orientation, marital and familial status, and age or disability.

34. DEMONSTRATION OF COMPETENCY. The city may consider any evidence available regarding the financial,

technical, and other qualifications and abilities of a Proposer, including past performance (experience) in making an award that is in the best interest of the City, including:

- A. Pre-award inspection of the Proposer's facility may be made prior to the award of contract.
- B. Proposals will only be considered from firms which are regularly engaged in the business of providing the goods and/or services as described in this solicitation.
- C. Proposers must be able to demonstrate a good record of performance for a reasonable period of time, and have sufficient financial capacity, equipment, and organization to ensure that they can satisfactorily perform the services if awarded a contract under the terms and conditions of this solicitation.
- D. The terms "equipment and organization", as used herein shall, be construed to mean a fully equipped and well established company in line with the best business practices in the industry, and as determined by the City of Miami Beach.
- E. The City may consider any evidence available regarding the financial, technical, and other qualifications and abilities of a Proposer, including past performance (experience), in making an award that is in the best interest of the City.
- F. The City may require Proposer s to show proof that they have been designated as authorized representatives of a manufacturer or supplier, which is the actual source of supply. In these instances, the City may also require material information from the source of supply regarding the quality, packaging, and characteristics of the products to be supply to the City.

35. ASSIGNMENT. The successful Proposer shall not assign, transfer, convey, sublet or otherwise dispose of the contract, including any or all of its right, title or interest therein, or his/her or its power to execute such contract, to any person, company or corporation, without the prior written consent of the City.

36. LAWS, PERMITS AND REGULATIONS. The Proposer shall obtain and pay for all licenses, permits, and inspection fees required to complete the work and shall comply with all applicable laws.

37. OPTIONAL CONTRACT USAGE. When the successful Proposer (s) is in agreement, other units of government or non-profit agencies may participate in purchases pursuant to the award of this contract at the option of the unit of government or non-profit agency.

38. VOLUME OF WORK TO BE RECEIVED BY CONTRACTOR. It is the intent of the City to purchase the goods and services specifically listed in this solicitation from the contractor. However, the City reserves the right to purchase any goods or services awarded from state or other governmental contract, or on an as-needed basis through the City's spot market purchase provisions.

39. DISPUTES. In the event of a conflict between the documents, the order of priority of the documents shall be as follows:

- A. Any contract or agreement resulting from the award of this solicitation; then
- B. Addendum issued for this solicitation, with the latest Addendum taking precedence; then
- C. The solicitation; then
- D. The Proposer's proposal in response to the solicitation.

40. INDEMNIFICATION. The Proposer shall indemnify and hold harmless the City and its officers, employees, agents and instrumentalities from any and all liability, losses or damages, including attorney's fees and costs of defense, which the City or its officers, employees, agents or instrumentalities may incur as a result of claims, demands, suits, causes of actions or proceedings of any kind or nature arising out of, relating to or resulting from the performance of the agreement by the contractor or its employees, agents, servants, partners, principals or subcontractors. The contractor shall pay all claims and losses in connection therewith, and shall investigate and defend all claims, suits or actions of any kind or nature in the name of the City, where applicable, including appellate proceedings, and shall pay

all costs, judgments, and attorney's fees which may be incurred thereon. The Proposer expressly understands and agrees that any insurance protection required by this Agreement or otherwise provided by the contractor shall in no way limit the responsibility to indemnify, keep and save harmless and defend the City or its officers, employees, agents and instrumentalities as herein provided. The above indemnification provisions shall survive the expiration or termination of this Agreement.

41. CONTRACT EXTENSION. The City reserves the right to require the Contractor to extend contract past the stated termination date for a period of up to 120 days in the event that a subsequent contract has not yet been awarded. Additional extensions past the 120 days may occur as needed by the City and as mutually agreed upon by the City and the contractor.

42. FLORIDA PUBLIC RECORDS LAW. Proposers are hereby notified that all Bid including, without limitation, any and all information and documentation submitted therewith, are exempt from public records requirements under Section 119.07(1), Florida Statutes, and s. 24(a), Art. 1 of the State Constitution until such time as the City provides notice of an intended decision or until thirty (30) days after opening of the proposals, whichever is earlier. Additionally, Contractor agrees to be in full compliance with Florida Statute 119.0701 including, but not limited to, agreement to (a) Keep and maintain public records that ordinarily and necessarily would be required by the public agency in order to perform the services; (b) provide the public with access to public records on the same terms and conditions that the public agency would provide the records and at a cost that does not exceed the cost provided in this chapter or as otherwise provided by law; (c) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law; (d) Meet all requirements for retaining public records and transfer, at no cost, to the public agency all public records in possession of the contractor upon termination of the contract and destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. All records stored electronically must be provided to the public agency in a format that is compatible with the information technology systems of the public agency.

43. OBSERVANCE OF LAWS. Proposers are expected to be familiar with, and comply with, all Federal, State, County, and City laws, ordinances, codes, rules and regulations, and all orders and decrees of bodies or tribunals having jurisdiction or authority which, in any manner, may affect the scope of services and/or project contemplated by this RFP (including, without limitation, the Americans with Disabilities Act, Title VII of the Civil Rights Act, the EEOC Uniform Guidelines, and all EEO regulations and guidelines). Ignorance of the law(s) on the part of the Proposer will in no way relieve it from responsibility for compliance.

44. CONFLICT OF INTEREST. All Proposers must disclose, in their Proposal, the name(s) of any officer, director, agent, or immediate family member (spouse, parent, sibling, and child) who is also an employee of the City of Miami Beach. Further, all Proposers must disclose the name of any City employee who owns, either directly or indirectly, an interest of ten (10%) percent or more in the Proposer entity or any of its affiliates.

45. MODIFICATION/WITHDRAWALS OF PROPOSALS. A Proposer may submit a modified Proposal to replace all or any portion of a previously submitted Proposal up until the Proposal due date and time. Modifications received after the Proposal due date and time will not be considered. Proposals shall be irrevocable until contract award unless withdrawn in writing prior to the Proposal due date, or after expiration of **120** calendar days from the opening of Proposals without a contract award. Letters of withdrawal received after the Proposal due date and before said expiration date, and letters of withdrawal received after contract award will not be considered.

46. EXCEPTIONS TO RFP. Proposers must clearly indicate any exceptions they wish to take to any of the terms in this RFP, and outline what, if any, alternative is being offered. All exceptions and alternatives shall be included and clearly delineated, in writing, in the Proposal. The City, at its sole and absolute discretion,

may accept or reject any or all exceptions and alternatives. In cases in which exceptions and alternatives are rejected, the City shall require the Proposer to comply with the particular term and/or condition of the RFP to which Proposer took exception to (as said term and/or condition was originally set forth on the RFP).

47. ACCEPTANCE OF GIFTS, FAVORS, SERVICES. Proposers shall not offer any gratuities, favors, or anything of monetary value to any official, employee, or agent of the City, for the purpose of influencing consideration of this Proposal. Pursuant to Sec. 2-449 of the City Code, no officer or employee of the City shall accept any gift, favor or service that might reasonably tend improperly to influence him in the discharge of his official duties.

48. SUPPLEMENTAL INFORMATION. City reserves the right to request supplemental information from Proposers at any time during the RFP solicitation process, unless otherwise noted herein.

49. ADDITIONAL SERVICES. Although this solicitation and resultant contract identifies specific goods, services or facilities ("items"), it is hereby agreed and understood that the City, through the approval of the Department and Procurement Directors (for additional items up to \$50,000) or the City Manager (for additional items greater than \$50,000), may require additional items to be added to the Contract which are required to complete the work. When additional items are required to be added to the Contract, awarded vendor(s), as applicable to the item being requested, under this contract may be invited to submit price quote(s) for these additional requirements. If these quote(s) are determined to be fair and reasonable, then the additional work will be awarded to the current contract vendor(s) that offers the lowest acceptable pricing. The additional items shall be added to this contract by through a Purchase Order (or Change Order if Purchase Order already exists). In some cases, the City may deem it necessary to add additional items through a formal amendment to the Contract, to be approved by the City Manager.

The City may determine to obtain price quotes for the additional items from other vendors in the event that fair and reasonable pricing is not obtained from the current contract vendors, or for other reasons at the City's discretion.

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SECTION 0300 PROPOSAL SUBMITTAL INSTRUCTIONS AND FORMAT

1. SEALED RESPONSES. One original Proposal (preferably in 3-ring binder) must be submitted in an opaque, sealed envelope or container on or before the due date established for the receipt of proposals. Additionally, ten (10) bound copies and one (1) electronic format (CD or USB format) are to be submitted. The following information should be clearly marked on the face of the envelope or container in which the proposal is submitted: solicitation number, solicitation title, Proposer name, Proposer return address. Proposals received electronically, either through email or facsimile, are not acceptable and will be rejected.

2. LATE BIDS. Bid Proposals are to be received on or before the due date established herein for the receipt of Bids. **Any Bid received after the deadline established for receipt of proposals will be considered late and not be accepted or will be returned to Proposer unopened.** The City does not accept responsibility for any delays, natural or otherwise.

3. PROPOSAL FORMAT. In order to maintain comparability, facilitate the review process and assist the Evaluation Committee in review of proposals, it is strongly recommended that proposals be organized and tabbed in accordance with the sections and manner specified below. Hard copy submittal should be tabbed as enumerated below and contain a table of contents with page references. Electronic copies should also be tabbed and contain a table of contents with page references. Proposals that do not include the required information will be deemed non-responsive and will not be considered.

PHASE I RESPONSE FORMAT

TAB 1	Cover Letter & Minimum Qualifications Requirements
	1.1 Cover Letter and Table of Contents. The cover letter must indicate Proposer and Proposer Primary Contact for the purposes of this solicitation. 1.2 Proposal Certification, Questionnaire & Requirements Affidavit (Appendix A). Attach Appendix A fully completed and executed. 1.3 Minimum Qualifications Requirements. Submit verifiable information documenting compliance with the minimum qualifications requirements established in Appendix C, Minimum Requirements and Specifications.

TAB 2	Prime Proposer Experience & Qualifications
	2.1 Qualifications of Proposing Firm. Submit detailed information regarding the firm's history and relevant experience and proven track record of providing the scope of services similar as identified in this solicitation, including experience in providing similar scope of services to public sector agencies. For each project that the Proposer submits as evidence of similar experience, the following is required: project description, agency name, agency contact, contact telephone & email, and year(s) and term of engagement. 2.1.1. List of qualifications that exemplify the firms experience with water, wastewater, and stormwater SCADA systems including PLC and control programming.

TAB 3	Proposing Team Experience & Qualifications
	3.1 Qualifications of Proposer Team. Provide an organizational chart of all personnel and consultants to be used for this project if awarded, the role that each team member will play in providing the services detailed herein and each team members' qualifications. A resume of each individual, including education, experience, and any other pertinent information, shall be included for each Proposal team member to be assigned to this contract. 3.1.1. List of qualifications that exemplify the firms experience with water, wastewater, and stormwater SCADA systems including PLC and control programming.

4. FINANCIAL CAPACITY. Within three (3) business days of request by the City, each Proposer shall arrange for Dun & Bradstreet to submit a Supplier Qualification Report (SQR) directly to the Procurement Contact named herein. No proposal will be considered without receipt, by the City, of the SQR directly from Dun & Bradstreet. The cost of the preparation of the SQR shall be the responsibility of the Proposer. The Proposer shall request the SQR report from D&B at:

<https://supplierportal.dnb.com/webapp/wcs/stores/servlet/SupplierPortal?storeId=11696>

Proposers are responsible for the accuracy of the information contained in its SQR. It is highly recommended that each Proposer review the information contained in its SQR for accuracy prior to submittal to the City and as early as possible in the solicitation process. For assistance with any portion of the SQR submittal process, contact Dun & Bradstreet at 800-424-2495.

5. ADDITIONAL INFORMATION OR CLARIFICATION. After proposal submittal, the City reserves the right to require additional information from Proposers (or Proposer team members or sub-consultants) to determine: qualifications (including, but not limited to, litigation history, regulatory action, or additional references); and financial capability (including, but not limited to, annual reviewed/audited financial statements with the auditors notes for each of their last two complete fiscal years).

PHASE II RESPONSE FORMAT (TECHNICAL PROPOSAL)

In order to maintain comparability, facilitate the review process, and assist the Evaluation Committee in review of responses, it is recommended that responses be organized and tabbed in accordance with the sections and manner specified below. One original Proposal (preferably in 3-ring binder) must be submitted in an opaque, sealed envelope or container on or before the due date established for the receipt of proposals. Additionally, ten (10) bound copies and one (1) electronic format (CD or USB format) are to be submitted. Hard copy submittals should be bound and tabbed as enumerated below and contain a table of contents with page references. Electronic copies should also be tabbed and contain a table of contents with page references. Proposers should prepare narratives, specification etc. on 8.5 x 11 paper. All Plans shall be provided bound flat not in a 3-ring binder with 11"x17" paper containing a title block, drawing titles, dated and numbered. Please feel free to include other materials, such as covers, appendices, brochures, etc. at your discretion.

Due Diligence and Site Inspections: It is the responsibility of each Proposer, before submitting the Phase II proposal, to:

- Visit the site or structure to become familiar with conditions that may affect costs, progress, performance or furnishing of the Work;
- Take into account federal, state and local (City and Miami-Dade County) laws, regulations, permits, and ordinances that may affect costs, progress, performance, furnishing of the Work, or award;
- Study and carefully correlate Proposer's observations with the RFP; and

The submission of a proposal shall constitute an incontrovertible representation by proposer that proposer has complied with the above requirements and understands all terms and conditions for performance and furnishing of the Work.

ADDITIONAL INFORMATION OR CLARIFICATION. After proposal submittal, the City reserves the right to require additional information from Proposers (or Proposer team members or sub-consultants) to determine: qualifications (including, but not limited to, litigation history, regulatory action, or additional references); and financial capability (including, but not limited to, annual reviewed/audited financial statements with the auditors notes for each of their last two complete fiscal years).

TAB 1	Project Technical Proposal
	The Technical Proposal shall document team's understanding of the project, major design elements, materials and methods. The Technical Proposal shall be developed using narratives, tables, charts, plots, drawings and conceptual sketches as appropriate. The technical proposal shall be in sufficient detail to allow the City to evaluate its compliance with the design criteria package, including major systems and requirements. The technical proposal shall include how the proposer intends to incorporate the proposed landscaping plan during the initial phases of design taking into account proposed underground and aboveground features.
TAB 2	Subcontractor Experience & Qualifications
	Qualifications of Key Subcontractors. For each key construction subcontractor (including subcontractor responsible for the manufacture and installation of the canopy) describe experience and qualifications as detailed below. 1. Company Information: Provide background information, including company history, years in business, number of employees, and any other information communicating capabilities and experience. 2. Company's List of Similar Experience and Qualifications: Provide a list of the company's experience and qualifications with the Services detailed herein. Provide a table that includes the following information: agency name, project name, type of project right-of-way, design/build, etc.), work assigned. 3. Relevant Experience: Summarize(3) of the company's most similar projects of comparable size and scope where similar construction services have been provided. Please be specific of the actual work provided this firm that relates this this project. For each project include: a. Project name and location b. Project description c. Date of project completion

- d. Amount of contract amount for the portion of the work provided by this firm.
- e. Reference contact information

TAB 3	Approach & Methodology Plan
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- 4.1** Submit detailed information on how Proposer plans to accomplish the required scope of services, including detailed information, as applicable, which addresses, but need not be limited to: implementation plan, project timeline, phasing options, testing and risk mitigation options for assuring project is implemented on time and within budget.
- 4.2** List and describe capabilities to maintain and service the SCADA system including:
- i. Parts inventory per proposed components (include lead times)
 - ii. Service capabilities (service technicians and programming/integrators) for regular hours and emergency after hours (including response times)

TAB 4	Project Schedule
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The Proposer shall submit a Preliminary CPM Project Schedule covering the period from NTP to Final Completion with the submittal which will be the initial Project Baseline Schedule. The Preliminary Project Schedule shall include all design, permitting, manufacturing and construction, testing and commissioning activities and meet the stated Contract Dates and any other suggested major milestones. Activities shall indicate their associated phasing and dependence with other activities, and highlight the main, coordination efforts and issues requiring the City's involvement and necessary reviews.

At a minimum, the Preliminary Project Schedule must address the following milestones and activities:

- Design Schedule & Submittals
- Design Phase Reviews by the City – Assume 3 weeks
- Community Involvement
- Planning Boards
- Permitting
- Start and completion of Construction, Testing and Commissioning
- Substantial Completion and Final Completion Dates for all Work.

TAB 5	Cost Proposal (MUST BE SUBMITTED IN A SEALED ENVELOPE)
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Submit a Guaranteed Maximum Price (GMP) Lump Sum Price for delivering the completed Project consistent with the Design Criteria Package. Utilize Appendix D – Cost Tender Form to submit your GMP. Cost Tender Form shall be submitted in a sealed envelope included with the original proposal only. Copies of Proposal, as well as electronic versions, shall omit the Cost Tender Form.

SECTION 0400
PROPOSAL EVALUATION
PHASE I EVALUATION

1. Evaluation Committee. An Evaluation Committee, appointed by the City Manager, shall meet to evaluate each Proposal in accordance with the requirements set forth in the solicitation. If further information is desired, Proposers may be requested to make additional written submissions of a clarifying nature or oral presentations to the Evaluation Committee. The evaluation of proposals will proceed in a two-step process as noted below. It is important to note that the Evaluation Committee will score the qualitative portions of the proposals only. The Evaluation Committee does not make an award recommendation to the City Manager. The results of Step 1 & Step 2 Evaluations will be forwarded to the City Manager who will utilize the results to make a recommendation to the City Commission. In the event that only one responsive proposal is received, the City Manager, after determination that the sole responsive proposal materially meets the requirements of the RFP, may, without an evaluation committee, recommend to the City Commission that the Administration enter into negotiations. The City, in its discretion, may utilize technical or other advisers to assist the evaluation committee in the evaluation of proposals.

2. Step 1 Evaluation. The first step will consist of the qualitative criteria listed below to be considered by the Evaluation Committee. The second step will consist of quantitative criteria established below to be added to the Evaluation Committee results by the Department of Procurement Management. An Evaluation Committee, appointed by the City Manager, shall meet to evaluate each Proposal in accordance with the qualifications criteria established below for Step 1, Qualitative Criteria. In doing so, the Evaluation Committee may review and score all proposals received, with or without conducting interview sessions.

Step 1 - Qualitative Criteria	Maximum Points
Prime Proposer Experience and Qualifications	60
Proposing Team Experience and Qualifications	40
TOTAL AVAILABLE STEP 1 POINTS	100

3. Step 2 Evaluation. Following the results of Step 1 Evaluation of qualitative criteria, the Proposers may receive additional quantitative criteria points to be added by the Department of Procurement Management to those points earned in Step 1, as follows.

Step 2 - Quantitative Criteria	
Veteran Business Enterprise	5
Prime Proposer Volume of Work (0-5 Points). Points awarded to the proposer for volume of work awarded by the City in the last three (3) years in accordance with the following table:	
Less than \$250,000	5
\$250,000.01 – \$2,000,000	3
Greater than \$2,000,000	0
TOTAL AVAILABLE STEP 2 POINTS	10

4. Determination of Final Ranking. At the conclusion of the Evaluation Committee Step 1 scoring, Step 2 Points will be added to each evaluation committee member's scores by the Department of Procurement Management. Step 1 and 2 scores will be converted to rankings in accordance with the example below:

		Proposer A	Proposer B	Proposer C
Committee Member 1	Step 1 Points	82	76	80
	Step 2 Points	22	15	12
	Total	104	91	92
	Rank	1	3	2
Committee Member 2	Step 1 Points	79	85	72
	Step 2 Points	22	15	12
	Total	101	100	84
	Rank	1	2	3
Committee Member 2	Step 1 Points	80	74	66
	Step 2 Points	22	15	12
	Total	102	89	78
	Rank	1	2	3
Low Aggregate Score		3	7	8
Final Ranking*		1	2	3

* Final Ranking is presented to the City Manager for further due diligence and recommendation to the City Commission. Final Ranking does not constitute an award recommendation until such time as the City Manager has made his recommendation to the City Commission, which may be different than final ranking results.

5. If fewer than three responsive proposals are received by the City or if all responsive proposals received are determined by City Manager to be qualified for Phase II, Phase II may proceed without interruption or additional approvals following Phase I. Otherwise, the City Manager may submit a recommendation to the City Commission to short-list one or more proposers at the conclusion of the Phase I evaluation. Following City Commission approval of the City Manager's recommendation pursuant to Phase I of the RFP, the short-listed proposers will be allotted approximately 45 days to prepare a detailed technical proposal for the Project. The short-listed proposers will also be provided, via addendum, with the formal Design Criteria Package (DCP) and the Design/Building Agreement. Following Phase I short-listing and prior to receipt of proposals pursuant to Phase II, the City may issue further information and clarifications via Addenda to the short-listed proposers, including (but not limited to) any amendments to the Design Criteria Package, cost tender form, form of contract, and other informational items or requirements necessary for the short-listed proposers to submit its Phase II proposals. Additionally, the City will conduct a pre-submittal conference with short-listed proposer to facilitate project understanding and consider any project specific questions from the short-listed proposers. Phase II proposals will be evaluated in accordance with the criteria established in Section 0400 for Phase II Evaluation.

PHASE II EVALUATION

1. Evaluation Committee. The Phase II evaluation process shall be completed by a Technical Review Committee, appointed by the City Manager, who may be different than the Evaluation Committee, who shall meet to evaluate each short-listed response and technical package in accordance with the criteria established below. In doing so, the Evaluation Committee will:

- a. Interview short-listed proposers, if deemed necessary.
- b. Receive input from a Technical Review by City Staff, the Design Criteria Professional, and other City advisors
- c. Score proposers utilizing the Evaluation Criteria

2. Step 1 Evaluation. The first step will consist of the qualitative criteria listed below to be considered by the Evaluation Committee. The second step will consist of quantitative criteria established below to be added to the Evaluation Committee results by the Department of Procurement Management. An Evaluation Committee, appointed by the City Manager, shall meet to evaluate each Proposal in accordance with the qualifications criteria established below for Step 1, Qualitative Criteria. In doing so, the Evaluation Committee may review and score all proposals received, with or without conducting interview sessions.

Step 1 - Qualitative Criteria	Maximum Points
Technical Proposal	30
Subcontractor Experience and Qualifications	10
Approach and Methodology	20
Project Schedule	10
TOTAL AVAILABLE STEP 1 POINTS	80

3. Step 2

Evaluation. Following the results of Step 1 Evaluation of qualitative criteria, the Proposers may receive additional quantitative criteria points to be added by the Department of Procurement Management to those points earned in Step 1, as follows.

Step 2 - Quantitative Criteria	Maximum Points
Cost Proposal	20
TOTAL AVAILABLE STEP 2 POINTS	20

* Sealed Cost Proposals will be reviewed for responsiveness and point allocation as noted below. Actual points for GMP will be applied to the evaluation of Technical Proposals by the Evaluation Committee.

Each proposed GMP shall be scored as follows:

Sample Objective Formula for Cost				
Vendor	Lump Sum Price	Example Maximum Allowable Points (Points noted are for illustrative purposes only. Actual points are noted above.)	Formula for Calculating Points (lowest cost / cost of proposal being evaluated X maximum allowable points = awarded points) Round to	Total Points Awarded
Vendor A	\$100.00	20	$\$100 / \$100 \times 20 = 20$	20
Vendor B	\$150.00	20	$\$100 / \$150 \times 20 = 13$	13
Vendor C	\$200.00	20	$\$100 / \$200 \times 20 = 10$	10

4. Determination of Final Ranking. At the conclusion of the Evaluation Committee Step 1 scoring, Step 2 Points will be added to each evaluation committee member's scores by the Department of Procurement Management. Step 1 and 2 scores will be converted to rankings in accordance with the example below:

		Proposer A	Proposer B	Proposer C
Committee Member 1	Step 1 Points	82	76	80
	Step 2 Points	22	15	12
	Total	104	91	92
	Rank	1	3	2
Committee Member 2	Step 1 Points	79	85	72
	Step 2 Points	22	15	12
	Total	101	100	84
	Rank	1	2	3
Committee Member 2	Step 1 Points	80	74	66
	Step 2 Points	22	15	12
	Total	102	89	78
	Rank	1	2	3
Low Aggregate Score		3	7	8
Final Ranking*		1	2	3

* Final Ranking is presented to the City Manager for further due diligence and recommendation to the City Commission. Final Ranking does not constitute an award recommendation until such time as the City Manager has made his recommendation to the City Commission, which may be different than final ranking results.

APPENDIX A



MIAMI BEACH

Proposal Certification, Questionnaire & Requirements Affidavit

2018-233-KB

DESIGN, BUILD, OPERATE AND MAINTAIN WATER,
WASTEWATER AND STORMWATER SUPERVISORY
CONTROL AND DATA ACQUISITION (SCADA) &
PLC

PROCUREMENT DIVISION
1755 Meridian Avenue, 3rd Floor
Miami Beach, Florida 33139

Solicitation No: 2018-233-KB	Solicitation Title: DESIGN, BUILD, OPERATE AND MAINTAIN WATER, WASTEWATER AND STORMWATER SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA) & PLC	
Procurement Contact: KRISTY BADA	Tel: 305-673-7490	Email: KRISTYBADA@MIAMIBEACHFL.GOV

PROPOSAL CERTIFICATION, QUESTIONNAIRE & REQUIREMENTS AFFIDAVIT

Purpose: The purpose of this Proposal Certification, Questionnaire and Requirements Affidavit Form is to inform prospective Proposers of certain solicitation and contractual requirements, and to collect necessary information from Proposers in order that certain portions of responsiveness, responsibility and other determining factors and compliance with requirements may be evaluated. **This Proposal Certification, Questionnaire and Requirements Affidavit Form is a REQUIRED FORM that must be submitted fully completed and executed.**

1. General Proposer Information.

FIRM NAME:	
No of Years in Business:	No of Years in Business Locally:
OTHER NAME(S) PROPOSER HAS OPERATED UNDER IN THE LAST 10 YEARS:	
FIRM PRIMARY ADDRESS (HEADQUARTERS):	
CITY:	
STATE:	ZIP CODE:
TELEPHONE NO.:	
TOLL FREE NO.:	
FAX NO.:	
FIRM LOCAL ADDRESS:	
CITY:	
STATE:	ZIP CODE:
PRIMARY ACCOUNT REPRESENTATIVE FOR THIS ENGAGEMENT:	
ACCOUNT REP TELEPHONE NO.:	
ACCOUNT REP TOLL FREE NO.:	
ACCOUNT REP EMAIL:	
FEDERAL TAX IDENTIFICATION NO.:	

The City reserves the right to seek additional information from Proposer or other source(s), including but not limited to: any firm or principal information, applicable licensure, resumes of relevant individuals, client information, financial information, or any information the City deems necessary to evaluate the capacity of the Proposer to perform in accordance with contract requirements.

1. **Veteran Owned Business.** Is Proposer claiming a veteran owned business status?

☐ YES ☐ NO

SUBMITTAL REQUIREMENT: Proposers claiming veteran owned business status shall submit a documentation proving that firm is certified as a veteran-owned business or a service-disabled veteran owned business by the State of Florida or United States federal government, as required pursuant to ordinance 2011-3748.

2. **Conflict Of Interest.** All Proposers must disclose, in their Proposal, the name(s) of any officer, director, agent, or immediate family member (spouse, parent, sibling, and child) who is also an employee of the City of Miami Beach. Further, all Proposers must disclose the name of any City employee who owns, either directly or indirectly, an interest of ten (10%) percent or more in the Proposer entity or any of its affiliates.

SUBMITTAL REQUIREMENT: Proposers must disclose the name(s) of any officer, director, agent, or immediate family member (spouse, parent, sibling, and child) who is also an employee of the City of Miami Beach. Proposers must also disclose the name of any City employee who owns, either directly or indirectly, an interest of ten (10%) percent or more in the Proposer entity or any of its affiliates

3. **References & Past Performance.** Proposer shall submit at least three (3) references for whom the Proposer has completed work similar in size and nature as the work referenced in solicitation.

SUBMITTAL REQUIREMENT: For each reference submitted, the following information is required: 1) Firm Name, 2) Contact Individual Name & Title, 3) Address, 4) Telephone, 5) Contact's Email and 6) Narrative on Scope of Services Provided.

4. **Suspension, Debarment or Contract Cancellation.** Has Proposer ever been debarred, suspended or other legal violation, or had a contract cancelled due to non-performance by any public sector agency?

☐ YES ☐ NO

SUBMITTAL REQUIREMENT: If answer to above is "YES," Proposer shall submit a statement detailing the reasons that led to action(s).

5. **Vendor Campaign Contributions.** Proposers are expected to be or become familiar with, the City's Campaign Finance Reform laws, as codified in Sections 2-487 through 2-490 of the City Code. Proposers shall be solely responsible for ensuring that all applicable provisions of the City's Campaign Finance Reform laws are complied with, and shall be subject to any and all sanctions, as prescribed therein, including disqualification of their Proposals, in the event of such non-compliance.

SUBMITTAL REQUIREMENT: Submit the names of all individuals or entities (including your sub-consultants) with a controlling financial interest as defined in solicitation. For each individual or entity with a controlling financial interest indicate whether or not each individual or entity has contributed to the campaign either directly or indirectly, of a candidate who has been elected to the office of Mayor or City Commissioner for the City of Miami Beach.

6. **Code of Business Ethics.** Pursuant to City Resolution No.2000-23879, each person or entity that seeks to do business with the City shall adopt a Code of Business Ethics ("Code") and submit that Code to the Procurement Department with its proposal/response or within five (5) days upon receipt of request. The Code shall, at a minimum, require the Proposer, to comply with all applicable governmental rules and regulations including, among others, the conflict of interest, lobbying and ethics provision of the City of Miami Beach and Miami Dade County.

SUBMITTAL REQUIREMENT: Proposer shall submit firm's Code of Business Ethics. In lieu of submitting Code of Business Ethics, Proposer may submit a statement indicating that it will adopt, as required in the ordinance, the City of Miami Beach Code of Ethics, available at <http://www.miamibeachfl.gov/city-hall/procurement/procurement-related-ordinance-and-procedures/>

7. **Living Wage.** Pursuant to Section 2-408 of the City of Miami Beach Code, as same may be amended from time to time, covered employees shall be paid the required living wage rates listed below:

1. Effective January 1, 2018, covered employees must be paid a living wage rate of no less than \$11.62 per hour with health care benefits of at least \$2.26 per hour, or a living wage rate of no less than \$13.88 per hour without health care benefits.
2. Effective January 1, 2019, covered employees must be paid a living wage rate of no less than \$11.70 per hour with health care benefits of at least \$2.74 per hour, or a living wage rate of no less than \$14.44 per hour without health care benefits.
3. Effective January 1, 2020, covered employees must be paid a living wage rate of no less than \$11.78 per hour with health care benefits of at least \$3.22 per hour, or a living wage rate of no less than \$15.00 per hour without health care benefits.

The living wage rate and health care benefits rate may, by Resolution of the City Commission be indexed annually for inflation using the Consumer Price Index for all Urban Consumers (CPI-U) Miami/Ft. Lauderdale, issued by the U.S. Department of Labor's Bureau of Labor Statistics. Notwithstanding the preceding, no annual index shall exceed three percent (3%). The City may also, by resolution, elect not to index the living wage rate in any particular year, if it determines it would not be fiscally sound to implement same (in a particular year).

Proposers' failure to comply with this provision shall be deemed a material breach under this proposal, under which the City may, at its sole option, immediately deem said Proposer as non-responsive, and may further subject Proposer to additional penalties and fines, as provided in the City's Living Wage Ordinance, as amended. Further information on the Living Wage requirement is available at <http://www.miamibeachfl.gov/city-hall/procurement/procurement-related-ordinance-and-procedures/>

SUBMITTAL REQUIREMENT: No additional submittal is required. By virtue of executing this affidavit document, Proposer agrees to the living wage requirement. Any payroll request made by the City during the contract term shall be completed electronically via the City's electronic compliance portal, LCP Tracker (LCPTracker.net).

8. **Equal Benefits for Employees with Spouses and Employees with Domestic Partners.** When awarding competitively solicited contracts valued at over \$100,000 whose contractors maintain 51 or more full time employees on their payrolls during 20 or more calendar work weeks, the Equal Benefits for Domestic Partners Ordinance 2005-3494 requires certain contractors doing business with the City of Miami Beach, who are awarded a contract pursuant to competitive proposals, to provide "Equal Benefits" to their employees with domestic partners, as they provide to employees with spouses. The Ordinance applies to all employees of a Contractor who work within the City limits of the City of Miami Beach, Florida; and the Contractor's employees located in the United States, but outside of the City of Miami Beach limits, who are directly performing work on the contract within the City of Miami Beach.

- A. Does your company provide or offer access to any benefits to employees with spouses or to spouses of employees?
☐ YES ☐ NO
- B. Does your company provide or offer access to any benefits to employees with (same or opposite sex) domestic partners* or to domestic partners of employees?
☐ YES ☐ NO
- C. Please check all benefits that apply to your answers above and list in the "other" section any additional benefits not already specified. Note: some benefits are provided to employees because they have a spouse or domestic partner, such as bereavement leave; other benefits are provided directly to the spouse or domestic partner, such as medical insurance.

BENEFIT	Firm Provides for Employees with Spouses	Firm Provides for Employees with Domestic Partners	Firm does not Provide Benefit
Health			
Sick Leave			
Family Medical Leave			
Bereavement Leave			

If Proposer cannot offer a benefit to domestic partners because of reasons outside your control, (e.g., there are no insurance providers in your area willing to offer domestic partner coverage) you may be eligible for Reasonable Measures compliance. To comply on this basis, you must agree to pay a cash equivalent and submit a completed Reasonable Measures Application (attached) with all necessary documentation. Your Reasonable Measures Application will be reviewed for consideration by the City Manager, or his designee. Approval is not guaranteed and the City Manager's decision is final. Further information on the Equal Benefits requirement is available at <http://www.miamibeachfl.gov/city-hall/procurement/procurement-related-ordinance-and-procedures/>

9. **Public Entity Crimes.** Section 287.133(2)(a), Florida Statutes, as currently enacted or as amended from time to time, states that a person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a proposal, proposal, or reply on a contract to provide any goods or services to a public entity; may not submit a proposal, proposal, or reply on a contract with a public entity for the construction or repair of a public building or public work; may not submit proposals, proposals, or replies on leases of real property to a public entity; may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity; and may not transact business with any public entity in excess of the threshold amount provided in s. [287.017](#) for CATEGORY TWO for a period of 36 months following the date of being placed on the convicted vendor list.

SUBMITTAL REQUIREMENT: No additional submittal is required. By virtue of executing this affidavit document, Proposer agrees with the requirements of Section 287.133, Florida Statutes, and certifies it has not been placed on convicted vendor list.

10. **Non-Discrimination.** Pursuant to City Ordinance No.2016-3990, the City shall not enter into a contract with a business unless the business represents that it does not and will not engage in a boycott as defined in Section 2-375(a) of the City Code, including the blacklisting, divesting from, or otherwise refusing to deal with a person or entity when such action is based on race, color, national origin, religion, sex, intersexuality, gender identity, sexual orientation, marital or familial status, age or disability.

SUBMITTAL REQUIREMENT: No additional submittal is required. By virtue of executing this affidavit document, Proposer agrees it is and shall remain in full compliance with Section 2-375 of the City of Miami Beach City Code.

11. **Moratorium on Travel to and the Purchase of Goods or Services from North Carolina and Mississippi.** Pursuant to Resolution 2016-29375, the City of Miami Beach, Florida, prohibits official City travel to the states of North Carolina and Mississippi, as well as the purchase of goods or services sourced in North Carolina and Mississippi. Proposer shall agree that no travel shall occur on behalf of the City to North Carolina or Mississippi, nor shall any product or services it provides to the City be sourced from these states.

SUBMITTAL REQUIREMENT: No additional submittal is required. By virtue of executing this affidavit document, Proposer agrees it is and shall remain in full compliance with Resolution 2016-29375.

12. **Fair Chance Requirement.** Pursuant to Section 2-376 of the City Code, the City shall not enter into any contract resulting from a competitive solicitation, unless the proposer certifies in writing that the business has adopted and employs written policies, practices, and standards that are consistent with the City's Fair Chance Ordinance, set forth in Article V of Chapter 62 of the City Code ("Fair Chance Ordinance"), and which, among other things, (i) prohibits City contractors, as an employer, from inquiring about an applicant's criminal history until the applicant is given a conditional offer of employment; (ii) prohibits advertising of employment positions with a statement that an individual with a criminal record may not apply for the position, and (iii) prohibits placing a statement on an employment application that a person with a criminal record may not apply for the position.

SUBMITTAL REQUIREMENT: No additional submittal is required at this time. By virtue of executing this affidavit, Proposer certifies that it has adopted policies, practices and standards consistent with the City's Fair Chance Ordinance. Proposer agrees to provide the City with supporting documentation evidencing its compliance upon request. Proposer further agrees that any breach of the representations made herein shall constitute a material breach of contract, and shall entitle the City to the immediate termination for cause of the agreement, in addition to any damages that may be available at law and in equity.

13. **Acknowledgement of Addendum.** After issuance of solicitation, the City may release one or more addendum to the solicitation which may provide additional information to Proposers or alter solicitation requirements. The City will strive to reach every Proposer having received solicitation through the City's e-procurement system, PublicPurchase.com. However, Proposers are solely responsible for assuring they have received any and all addendum issued pursuant to solicitation. This Acknowledgement of Addendum section certifies that the Proposer has received all addendum released by the City pursuant to this solicitation. Failure to obtain and acknowledge receipt of all addenda may result in proposal disqualification.

Initial to Confirm Receipt		Initial to Confirm Receipt		Initial to Confirm Receipt	
	Addendum 1		Addendum 6		Addendum 11
	Addendum 2		Addendum 7		Addendum 12
	Addendum 3		Addendum 8		Addendum 13
	Addendum 4		Addendum 9		Addendum 14
	Addendum 5		Addendum 10		Addendum 15

If additional confirmation of addendum is required, submit under separate cover.

DISCLOSURE AND DISCLAIMER SECTION

The solicitation referenced herein is being furnished to the recipient by the City of Miami Beach (the "City") for the recipient's convenience. Any action taken by the City in response to Proposals made pursuant to this solicitation, or in making any award, or in failing or refusing to make any award pursuant to such Proposals, or in cancelling awards, or in withdrawing or cancelling this solicitation, either before or after issuance of an award, shall be without any liability or obligation on the part of the City.

In its sole discretion, the City may withdraw the solicitation either before or after receiving proposals, may accept or reject proposals, and may accept proposals which deviate from the solicitation, as it deems appropriate and in its best interest. In its sole discretion, the City may determine the qualifications and acceptability of any party or parties submitting Proposals in response to this solicitation.

Following submission of a Bid or Proposal, the applicant agrees to deliver such further details, information and assurances, including financial and disclosure data, relating to the Proposal and the applicant including, without limitation, the applicant's affiliates, officers, directors, shareholders, partners and employees, as requested by the City in its discretion.

The information contained herein is provided solely for the convenience of prospective Proposers. It is the responsibility of the recipient to assure itself that information contained herein is accurate and complete. The City does not provide any assurances as to the accuracy of any information in this solicitation.

Any reliance on these contents, or on any permitted communications with City officials, shall be at the recipient's own risk. Proposers should rely exclusively on their own investigations, interpretations, and analyses. The solicitation is being provided by the City without any warranty or representation, express or implied, as to its content, its accuracy, or its completeness. No warranty or representation is made by the City or its agents that any Proposal conforming to these requirements will be selected for consideration, negotiation, or approval.

The City shall have no obligation or liability with respect to this solicitation, the selection and the award process, or whether any award will be made. Any recipient of this solicitation who responds hereto fully acknowledges all the provisions of this Disclosure and Disclaimer, is totally relying on this Disclosure and Disclaimer, and agrees to be bound by the terms hereof. Any Proposals submitted to the City pursuant to this solicitation are submitted at the sole risk and responsibility of the party submitting such Proposal.

This solicitation is made subject to correction of errors, omissions, or withdrawal from the market without notice. Information is for guidance only, and does not constitute all or any part of an agreement.

The City and all Proposers will be bound only as, if and when a Proposal (or Proposals), as same may be modified, and the applicable definitive agreements pertaining thereto, are approved and executed by the parties, and then only pursuant to the terms of the definitive agreements executed among the parties. Any response to this solicitation may be accepted or rejected by the City for any reason, or for no reason, without any resultant liability to the City.

The City is governed by the Government-in-the-Sunshine Law, and all Proposals and supporting documents shall be subject to disclosure as required by such law. All Proposals shall be submitted in sealed proposal form and shall remain confidential to the extent permitted by Florida Statutes, until the date and time selected for opening the responses. At that time, all documents received by the City shall become public records.

Proposers are expected to make all disclosures and declarations as requested in this solicitation. By submission of a Proposal, the Proposer acknowledges and agrees that the City has the right to make any inquiry or investigation it deems appropriate to substantiate or supplement information contained in the Proposal, and authorizes the release to the City of any and all information sought in such inquiry or investigation. Each Proposer certifies that the information contained in the Proposal is true, accurate and complete, to the best of its knowledge, information, and belief.

Notwithstanding the foregoing or anything contained in the solicitation, all Proposers agree that in the event of a final unappealable judgment by a court of competent jurisdiction which imposes on the City any liability arising out of this solicitation, or any response thereto, or any action or inaction by the City with respect thereto, such liability shall be limited to \$10,000.00 as agreed-upon and liquidated damages. The previous sentence, however, shall not be construed to circumvent any of the other provisions of this Disclosure and Disclaimer which imposes no liability on the City.

In the event of any differences in language between this Disclosure and Disclaimer and the balance of the solicitation, it is understood that the provisions of this Disclosure and Disclaimer shall always govern. The solicitation and any disputes arising from the solicitation shall be governed by and construed in accordance with the laws of the State of Florida.

PROPOSER CERTIFICATION

I hereby certify that: I, as an authorized agent of the Proposer, am submitting the following information as my firm's proposal; Proposer agrees to complete and unconditional acceptance of the terms and conditions of this document, inclusive of this solicitation, all attachments, exhibits and appendices and the contents of any Addenda released hereto, and the Disclosure and Disclaimer Statement; proposer agrees to be bound to any and all specifications, terms and conditions contained in the solicitation, and any released Addenda and understand that the following are requirements of this solicitation and failure to comply will result in disqualification of proposal submitted; Proposer has not divulged, discussed, or compared the proposal with other Proposals and has not colluded with any other proposer or party to any other proposal; proposer acknowledges that all information contained herein is part of the public domain as defined by the State of Florida Sunshine and Public Records Laws; all responses, data and information contained in this proposal, inclusive of the Statement of Qualifications Certification, Questionnaire and Requirements Affidavit are true and accurate.

Name of Proposer's Authorized Representative:	Title of Proposer's Authorized Representative:
Signature of Proposer's Authorized Representative:	Date:

State of FLORIDA)
)
County of _____)
of _____, a corporation, and that the instrument was signed in behalf of
the said corporation by authority of its board of directors and acknowledged said
instrument to be its voluntary act and deed. Before me:

On this ____ day of _____, 20__, personally
appeared before me _____ who
stated that (s)he is the _____

Notary Public for the State of Florida
My Commission Expires: _____.

APPENDIX B



MIAMI BEACH

“No Bid” Form

2018-233-KB

DESIGN, BUILD, OPERATE AND MAINTAIN WATER,
WASTEWATER AND STORMWATER SUPERVISORY
CONTROL AND DATA ACQUISITION (SCADA) &
PLC

PROCUREMENT DIVISION
1755 Meridian Avenue, 3rd Floor
Miami Beach, Florida 33139

Note: It is important for those vendors who have received notification of this solicitation but have decided not to respond, to complete and submit the attached “Statement of No Bid.” The “Statement of No Bid” provides the City with information on how to improve the solicitation process. Failure to submit a “Statement of No Bid” may result in not being notified of future solicitations by the City.

Statement of No Bid

WE HAVE ELECTED NOT TO SUBMIT A PROPOSAL AT THIS TIME FOR REASON(S) CHECKED AND/OR INDICATED BELOW:

☐ Workload does not allow us to proposal

☐ Insufficient time to respond

☐ Specifications unclear or too restrictive

☐ Unable to meet specifications

☐ Unable to meet service requirements

☐ Unable to meet insurance requirements

☐ Do not offer this product/service

☐ OTHER. (Please specify)

We do ☐ do not ☐ want to be retained on your mailing list for future proposals of this type product and/or service.

Signature: _____

Title: _____

Legal Company Name: _____

Note: Failure to respond, either by submitting a proposal or this completed form, may result in your company being removed from our vendors list.

PLEASE RETURN TO:

CITY OF MIAMI BEACH

PROCUREMENT DEPARTMENT

ATTN: **KRISTY BADA**

STATEMENTS OF QUALIFICATIONS #**2018-233-KB**

1755 Meridian Avenue, 3rd Floor

MIAMI BEACH, FL 33139

APPENDIX C



MIAMI BEACH

Minimum Requirements & Specifications

2018-233-KB

DESIGN, BUILD, OPERATE AND MAINTAIN WATER,
WASTEWATER AND STORMWATER SUPERVISORY
CONTROL AND DATA ACQUISITION (SCADA) &
PLC

PROCUREMENT DIVISION
1755 Meridian Avenue, 3rd Floor
Miami Beach, Florida 33139

C1. Minimum Eligibility Requirements. The Minimum Eligibility Requirements for this solicitation are listed below. Proposer shall submit, the required submittal(s) documenting compliance with each minimum requirement. Proposers that fail to include the required submittals with its proposal or fail to comply with minimum requirements shall be deemed non-responsive and shall not have its proposal considered.

1. The Proposer (defined as the Proposing Firm) or team member shall provide three (3) projects where the proposer or team member has installed a SCADA system that utilizes the same SCADA system components that are being proposed for this RFP within the last (10) years.

Required Submittals: Project name and location; project description; role in project; original and final contract duration; Name of system; Size/type of system; Date of installation (MM/DD/YYYY); Contact name, phone number and email address of owner.

C2. INTRODUCTION

The City of Miami Beach (CMB) is seeking qualified recipients to respond to this Request for Proposal (RFP) for an all-inclusive Supervisory Control and Data Acquisition (SCADA) package that includes engineering, design, integration and installation of a radio-based or equal form of communication, internet accessible SCADA system including Programmable Logic Controller (PLC). The SCADA system will be for remote monitor and control of potable water storage tanks and pumping station, wastewater pumping stations, stormwater pumping stations, and all associated monitoring stations (flow, pressure, etc.).

Currently the CMB has the following:

- (1) one control room
- (4) four potable water storage tanks
- (6) six potable water pumping stations*
- (23) twenty-three wastewater pumping stations*
- (33) thirty-three stormwater pumping stations**
- (4) four causeway potable water flow meters
- (5) satellite city wastewater flow meters

The City of Miami Beach also owns or leases seven (7) different rooftop mounting assets that may be considered for this proposal. These assets are maintained and controlled by the City's IT Department so all proposed options using these will need approval by the IT Department.

*** (3) Three of the potable water pumping stations are same location as (3) three of the wastewater pumping stations**

**** The CMB is still designing and constructing stormwater systems and pumping stations so additional SCADA needs shall be considered for this proposal for any future expansion of the CMB water, wastewater or stormwater systems.**

NOTE: Some pump station control panels are not located directly next to the wet-well or pumps.

C3. STATE OF CURRENT SYSTEM

Currently, only the potable water and wastewater pumping stations have monitoring and control capabilities. In retrospect, these monitoring and controls are very limited and in many instances incomplete.

The hardware is outdated and has software that is no longer supported by its manufacturer (example: Microsoft Windows XP). The SCADA software is limited in the fact that it must be pre-installed on each machine needing to view or access the SCADA. It also requires annual licensing fees that have to be paid in order to receive updates and support.

As for support, only outsourced technical programmers/integrators are the option. No current operational staff have the capabilities (technical knowledge, hardware, etc.) of troubleshooting or maintaining the current system. This is problematic in that it creates instances where errors/alarms are left unattended and “blinking on screen” for long periods of time waiting for skilled outsourced programmer/integrator to come and troubleshoot and fix the problem. This creates a “lack of confidence/trust” in the system by operators and maintainers of the system.

Cellular technology is utilized for communications between devices and the “Control Room” that is reported by the Operations as having continual “loss of communications” resulting in inadequate monitoring, control and expensive man-hours needed to make physical visits to the City’s facilities to insure no failures have occurred. Past experiences with cellular communications has proven poor reliability during some of the most critical times of operations such as heavy storm events including hurricanes that are very common in this area.

The stationary generators and transfer switches utilized for back-up power generation in times of power loss were not included in the current SCADA system and causes the need for routine trips in the field by staff to insure back up power is/ is not needed.

In addition to the SCADA, the water and wastewater pumping stations have Program Logic Controllers (PLC), associated programming, and some with Human-Machine Interface (HMI) that should be included to this proposal to replace the obsolete hardware and reprogramming for standardization. Miami-Dade Department of Environmental Resource Management (DERM) regulates the CMB and these stations report kilowatt (kw) hours and equipment run-time hours that should be considered in this proposal.

C4. STATEMENT OF WORK

It is the intent of the utility to have one company held responsible for all design, engineering, integration, installation and continued service(s) of the proposed SCADA system and PLC replacements. The respondent to this RFP must state if they anticipate using others (“outside contractors”) that are not directly employed by the respondent. If so, the respondent shall include the company names, and contact information of all such entities and the function and/or service that they will provide regarding this project. It is the intent that the proposer does the majority of the scoped work, sub-contracting for ancillary work will need to be completely identified within this

proposal. In any event, with or without the use of outside contractors, the respondent, if awarded this project, shall be the sole entity responsible for all work performed, all warranties issued and all follow up and/or continued services provided.

C5. SUMMARY OF SCOPE

The proposed SCADA system shall include all engineering, design, hardware, programming, and integration labor necessary for a fully functioning SCADA system including PLC. Operator training and O&M manuals shall also be provided. The SCADA system shall provide the ability to share collected data with any CMB authorized workstation that has connectivity to the SCADA system server or CMB network including internet accessibility.

The new SCADA system will replace an existing SCADA system(s) for Water and Wastewater and the Stormwater system will be completely new as there is not one currently. The new SCADA system installed at the control room shall be installed in parallel with the existing system(s), permitting both systems to operate simultaneously where required (understanding that some field controls will need transferred as they are upgraded). The use of existing instruments, enclosures or other devices shall be described in the respondent's proposal. In general all existing instrumentation is expected to be utilized and no additional instrumentation provided.

One or more FCC licensed radio frequencies or alternative form of communication agreed to shall be utilized as the mode of communication between all facilities. Respondents shall describe the radio communications architecture and include a summary of the radio communications path from master radio to each remote radio.

The proposed PLC, programming, and HMI replacement shall be included to this SCADA proposal to replace obsolete hardware, standardized programming, and training to maintain the equipment and software.

C6. DETAILS OF REQUIREMENTS

It is the intent of the CMB to have the proposed SCADA system's "central site" located at the Public Works Infrastructure Division Control Room located at 451 Dade Blvd., Miami Beach FL 33139.

It is the intent of the CMB to have a city-wide integrated system however; all programming for the individual subsystems operations will reside in PLC local to the process. Proposals that include programming solely in the HMI software are not acceptable. It must be noted that all PLC programming code and documentation provided under this project shall be the property of the CMB, no exceptions. This includes any intellectual property.

The exact process/sequence of operations must be detailed by all proposals and at a minimum shall meet and/or describe the following:

- a) Detail all of the communications antennas needed to complete this installation. From the "central site" at the Public Works yard to each individual location on the SCADA system (pump stations, flow meters, towers, etc.). The CMB is dedicated to the stakeholders as to keep the Infrastructure's equipment to minimal visual impediment as possible. All remote locations will insure the least obtrusive / visual impact on the cityscape when proposing

- antennas, repeaters, control panels, etc. No station will have an antenna installed taller than 10ft. above ground (excluding control room location at 451 Dade Blvd or any utilized tower locations already owned or leased by the City) and in some instances, repeaters may need utilized in place where visual impacts may occur. The proposer will need to provide solutions to meet all these challenges including from man-made structures and vegetation.
- b) Details of Operations: Describe in detail how each site shall operate and its interaction with other sites (if necessary) based on the SCADA system proposed. Also describe any general system operational aspects that may be involved.
 - c) Sequence of Installations: Describe each phase of the installation process listing which sites are involved at each phase. Describe what measures are taken during each phase to insure that critical alarms and information is not interrupted and/or lost. Provide a detailed installation plan, for the installation and migrating to the new system, while maintaining visibility to all assets using the current system. The new SCADA system will have to be constructed with minimal interruption or hindrance to the current system and/or operations. Only once the new system has been tested and approved by the CMB will the old system be dismantled. If problems arise in the new system, the contractor may be asked to reinstate the current system until time the new system is deemed functional and reliable.
 - d) It is the intent that this system be “turn-key” without the need for the CMB involvement for this installation. Insure all pricing includes “turn-key” installed for each of the lump sum items. State in the proposal any work that may be needed done by the CMB. (No assumptions will be considered)
 - e) All costs for the proposed SCADA system must be included and all initial and/or re-occurring charges and fees must be stated.
 - f) All stationary mounted back-up generators and associated transfer switching will be included in the SCADA monitoring and control system. Including screens, alarms, and operational monitoring.
 - g) All Central Terminal Units (CTU), Program Logic Controller (PLC), Remote Terminal Units (RTU), and Human-Interface Machines (HMI) will be included in the pricing and easily identified where each are being proposed within the proposal.
 - h) All equipment, hardware, and software will be of the latest technology and not require obsolesce upgrade for a minimum of ten (10) years.
 - i) Include and describe a detailed annual maintenance service contract option that includes predictive, preventative, and corrective maintenance plan for regular and after hours work.
 - j) A required field visit to all pump stations and control room should be done in order to qualify to propose scheduled by Miami Beach.
 - k) Per the Cost proposal form, give an itemized list of equipment, materials, and services associated with each lump sum along with any recommended spare parts that are to be

kept on hand. Also list any reoccurring software fees, and/or cost for additional “workstation seats”, additional I/O points, and other such cost if required by utility. Reference RFP Bid Tabulation sheet that requires completion and return with RFP.

C7. SOFTWARE, HARDWARE AND SERVICES

7.1 SCADA SERVER HARDWARE

Describe the type of server proposed (proposed server must have continuous functional and operational redundancy backup).

The server will be located in its own lockable cabinet inside the CMB’s Control Room located at 451 Dade Blvd. Cabinet type, size, ventilation requirements and any other needs for the server installations must be identified within this proposal.

7.2 COMMUNICATION AND ASSOCIATED PROTOCOLS

Describe the proposed mode of radio communication or alternative form of communication agreed to between the remote telemetry units and the central site including any repeating sites and/or forwarding sites. The communications system proposed shall be capable of utilizing up to 500 RTU addresses per communications link. List all components associated with the type of radio communication proposed including how many RTU addresses each communications link can handle. Include and explain the radio propagation study as well as all design and installation criteria associated with proposed system. Include and explain the radio propagation study as well as all design and installation criteria associated with proposed system. In addition, it shall describe in detail how it **will not** interfere with Police, Fire, or any other Emergency Services radio frequencies (such as dedicated FCC licensed radio frequency, etc.). Also, explain further how this radio frequency **does or does not** need direct line of sight for the SCADA system to function. The City would prefer the radio communications be a FCC Licensed radio frequency to help insure other radio traffic does not interfere with the SCADA communications.

7.3 FIBER OPTIC REQUIREMENTS

All remote interfaces directly connected to the SCADA Server shall be fiber optic isolated for transient voltage protection.

7.4 SCADA SOFTWARE

Describe the proposed SCADA software. The SCADA Software shall be the manufacturer’s latest version and shall include alarm announcements via telephone, email, text messaging, or local speaker.

Proposed SCADA software shall utilize an SQL database and be able to communicate and interact with current CMB ‘s “Cityworks” CMS software.

7.5 SOFTWARE LICENSING

List all software licensing requirements and cost including but not limited to cost of revision updates, the number of allowable concurrent users, number of tags and screens and any other associated software licenses included in this proposal. Also list any/all initial and re-occurring

software licensing fees or charges.

7.6 CRITICAL/BACKUP DATA REDUNDANCY

Describe the proposed SCADA software automated backup routine to protect the system from the loss of critical data (data redundancy process shall use a designated Windows workstation as a backup location).

Server backup data shall be retained in the server's active data base for a minimum of 5 years. During this time, all data shall be available for any reports, trends or historical retrieval. After determined time has lapsed, data shall be transferred and archived to redundant server hard drives for the life of the server.

7.7 SYSTEM PARTITIONING

Describe how the proposed SCADA software will be supplied with system partitioning (all partitions shall have their own full-function access to the auto dialer / voice / pager / E-mail functions).

7.8 SYSTEM USER & USER PERMISSIONS

Describe how the SCADA software will allow user permission with password protection for control functions, acknowledgment functions, shutdown functions and configuration functions. The CMB desires to have levels for view only, operators, supervisors, technical, and administration. Log files with audit capabilities of users is preferred. The proposal will include unlimited users or thoroughly state otherwise with any associated costs.

7.9 RTU CONFIGURATIONS

Describe how the proposed SCADA software will configure the RTUs in the polling database. Describe the options that the configuration process will provide.

7.10 ALARM CONFIGURATION

Describe how the proposed SCADA software will allow users to configure alarms for all system I/O points. Describe what options all alarms may be configured with.

7.11 CONTROLS

Describe how the proposed SCADA software and PLC programming will allow users to create scheduled controls and auto controls. Scheduled controls allow controls to occur on selected days of the week at specific times. Digital controls can be scheduled to come on or go off at a specific time. Analog controls can be scheduled to be set to a desired engineering value. Auto controls allow controls to automate and facilitate the controlling of hardware in the field. Configuring an auto control instructs the system to perform a certain function when a specific event occurs.

Describe standards for all labeling of inputs, outputs, and alarms must be submitted to and approved prior to installations (insure enough time for CMB review to insure no delays occur) to provide standardizations for all communications and CMB equipment.

In addition, a complete control description and narrative must be outlined and submitted for approval prior to installations (insure enough time for CMB review to insure no delays occur). The narrative must be outlined on input/output (I/O) drawings, but must also include a complete narrative using common laymen's terminology (specific to the industry) so less technical staff can understand the process of operations. This will be included and used in the operations and

maintenance manuals for easy reference.

NOTE: All I/O (inputs and outputs) must be field verified. The use of supplied any as-builts drawings should be considered for reference only.

7.12 MODBUS TCP/IP EMULATION

Describe how the proposed SCADA software will act as a Modbus TCP/IP slave device for any configured point. This shall include any physical and virtual RTU I/O point in the system.

7.13 SYSTEM ACTIVITY LOGS, JOURNALS, REPORTS, AND TRENDING

Describe what system activity logs, journals, reports, and trending the proposed SCADA software will provide (each activity shall maintain time-stamped data logs pertaining to system activities). CMB has regulatory reports and alarm that will need included for periodic output, and trending of flows, pressures and other inputs is highly desirable. Include how many custom built reports are included in the proposal and detail how the trending functions can be utilized.

7.14 SYSTEM TOOLS

Describe the system tools that will be furnished with the proposed SCADA software. Include the capabilities and functions of each tool.

7.15 ALARM NOTIFICATIONS

Describe the capabilities of the alarm notifications methods that the proposed SCADA software will provide. Each method shall be listed and shall include both local methods and remote methods. All alarms shall also be included with daily, weekly, monthly, and annual reports that are printable and easily transferable to Microsoft Excel and into spreadsheet formats with pertinent data for troubleshooting and auditing of the system(s).

7.16 USER ACCESS

Describe what methods the proposed SCADA software will provide for user access. This shall include but not necessarily be limited to touch tone phone, fixed work station (PC) computers, laptop/tablet mobile computers, and smart phones. Access to the SCADA system shall not be limited to machines needing specific software installed, SCADA system must be accesible via internet.

7.17 MOBILE INTERFACE

The proposed SCADA software shall include a mobile interface for internet enabled smart phones, tablets, laptops, and work stations. All minimum requirements for any works stations, laptops, tablets, of smartphones must be included in this proposal. CMB desire is to have functionality on Microsoft and Apple equipment and hardware.

7.18 GRAPHICS & SCREENS

Insure all graphics are capable of large format (up to 60 inches) and also be supported to work on mobile/smart phones and tablets. Describe the screens and what will be provided; the City desires to have overview screens of each utility (water, wastewater, and stormwater) with individual screens for each pumping station, etc., including alarm screens and trending. If there are limits to the amount of screens built or functionality, the proposer must identify and make clear the

intention.

7.18 SECURITY

Describe the security methods utilized by the proposed SCADA software. Include all vulnerability assessments that can be conducted as a “self-audit” of the systems security.

7.19 PARALLEL STANDBY REDUNDANCY

The proposed SCADA software shall utilize parallel standby redundancy that requires a second SCADA server. The standby redundancy shall allow the redundant, or secondary, SCADA SERVER to take over all functions in the event the primary SCADA SERVER fails. The transition from primary to redundant shall be transparent to the user except for an alarm that is generated. Data from the primary SCADA SERVER will be synchronized with the redundant SCADA SERVER. LEDs shall indicate the current role of each SCADA SERVER (primary/secondary).

7.20 CENTRAL TERMINAL UNIT (CTU)

Describe the CTU that will be utilized by the proposed SCADA system. Include description and function of the mode of communication, the power supply, backup battery, transient surge protection and enclosure.

7.21 REMOTE TERMINAL UNIT (RTU)

Describe the different types of RTU that will be used at each site by the proposed SCADA system. This shall include but not be limited to program logic controllers (PLC) pump controllers, and any other type of analog and/or digital monitor/control devices that allow for site operation. Describe if said RTU will have its own stand-alone enclosure or if the RTU will be incorporated into the existing panel. Describe how each RTU will function in the event of power outage and any back-up systems for both data and power supply.

7.21a RTU ENCLOSURE

- a) The RTU shall be housed in a NEMA-rated enclosure suitable for indoor or outdoor installation as required by the site. Indoor enclosures shall be NEMA 12 steel, and outdoor enclosures shall be NEMA 4X stainless steel. Proposer must include air conditioning or represent temperature control is not needed.
- b) The enclosure shall be painted white.
- c) All sheet metal utilized inside the enclosure shall be anodized.
- d) All mounting hardware utilized shall be stainless steel.
- e) The enclosure shall be capable of being locked.
- f) The latches utilized to secure the enclosure door of shall not require the use of a screwdriver to open or close.
- g) All RTU panels shall be certified and labeled for UL508a compliance

7.22 PROGRAM LOGIC CONTROLLER (PLC) & HUMAN-MACHINE INTERFACE (HMI)

Describe how this proposal will replace the obsolete PLC, HMI, and programming while maintaining the current working systems to insure complete operational function throughout project. Provide a schedule with periods of times and durations of downtime of any equipment needing taken out of service for transitioning from old to new system (these downtimes should include point to point verifications and acceptance testing). Describe in detail how standardizing labeling and programming will benefit the overall operation and maintenance of the system,

including screenshots, control descriptions, and input / outputs I/O (see also 7.11).

7.23 PUMP & FLOW MANAGEMENT

a) The SCADA System shall offer pump and flow management with emphasis on power management and consumption and flow stabilization. Describe in detail how the proposed SCADA package provides that.

7.24 UNINTERRUPTIBLE POWER SUPPLY

- a) The SCADA Server, CTU PLC, and each RTU shall incorporate an uninterruptible power supply (back-up battery).
- b) The main power supply shall keep the battery at a float charge.
- c) The battery shall not be damaged by deep discharges.
- d) Minimum UPS/battery life for SCADA Server shall be 3 hours.
- e) Minimum UPS/battery life for CTU & PLC shall be 3 hours.
- f) Minimum UPS/battery life for typical RTU shall be 2.5 hours.

7.25 WARRANTIES & OPERATIONS AND MAINTENANCE MANUALS

List all product (for both software and hardware) warranties associated with the proposed SCADA system and PLC installation. Include all control descriptions, I/O, and as-built drawings, in the Operation and Maintenance manuals and all manuals are required to be submitted a minimum of 3 copies each (hardbound and electronically in .pdf format).

7.26 SUPPORT

As previously stated, the utility is looking for an all-inclusive SCADA system. Service and support will be critical for all SCADA system components including PLC and associated programming. Describe the support that will be available from SCADA system design engineer, the manufacturer of each applicable component, and the integrator. Include the different types of support (telephone, email, and in-person) and the associated response time frames available. List any and all cost associated for each.

7.27 TRAINING

Describe the initial training that will be available with the proposed SCADA system. Training shall be for all aspects of the SCADA system. List the types of training, where the training will take place, how many seats will be available for training and any associated cost. Also list any continuing training available and the associated cost for such.

7.28 SPARE PARTS

List any and all spare parts that are considered to be critical to the operation and maintenance of the proposed SCADA system. Include what should be on-hand or readily available by the CMB.

7.29 SERVICE RATES, ANNUAL OPERATION & MAINTENANCE

Bidder shall furnish post-warranty service rates with their bid. Include business hour rates and after-hours or emergency rates. In addition, propose a turnkey annual operation and maintenance cost.

7.30 CMB RESPONSIBILITIES

- a) The CMB shall provide a standard dial-up telephone line connection for the SCADA

Server. The telephone line will be utilized for the required 911 Alarm Notification function/modem.

- b) The CMB (IT Department) shall provide a secure VPN network and Internet connection for the SCADA Server. The VPN connection will be utilized for remote HMI access by the CMB as well as authorized access by system supplier for warranty services and software updates.
- c) The CMB shall provide the smartphone(s) and cellular data service that is required for use of the Mobile SCADA Smartphone application.
- d) The CMB shall ensure 120 VAC power is near the location of each RTU for connection to power.
- e) The CMB shall make each site available when work is scheduled.
- f) Attached is a copy of CMB leased tower locations for possible use. (APPENDIX G)
- g) Attached is a copy of each location with address and latitude and longitude coordinates for use of this proposal. (APPENDIX H) **NOTE: All coordinates must be verified by proposer and CMB is not responsible for any deviations or misrepresentations in the attachments.**
- h) Electrical input and output drawings are available for some stations and can be provided but it is the responsibilities of the contractor to field verify all I/O.

APPENDIX D



MIAMI BEACH

Special Conditions

2018-233-KB

DESIGN, BUILD, OPERATE AND MAINTAIN WATER,
WASTEWATER AND STORMWATER SUPERVISORY
CONTROL AND DATA ACQUISITION (SCADA) &
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PROCUREMENT DIVISION
1755 Meridian Avenue, 3rd Floor
Miami Beach, Florida 33139

1. TERM OF CONTRACT. The contract(s) entered into with the successful proposer(s) will have an initial term of five (5) years.

2. OPTIONS TO RENEW. The City, through its City Manager, will have the option to extend for two (2) additional five (5) year periods subject to the availability of funds for succeeding fiscal years.

3. PRICES SHALL BE FIXED AND FIRM. All prices quoted in the awardee's bid submittal shall remain firm and fixed, unless amended in writing by the City.

3.1 COST ESCALATION. Prices must be held firm during the initial term of the agreement. During the renewal term, the City may consider price increases not to increase the applicable Bureau of Labor Statistics (www.bls.gov) CPI-U index or 3%, whichever is less. The City may also consider increases based on mandated Living Wage increases. In considering cost escalation due to Living Wage increases, the City will only consider the direct costs related to Living Wage increases, exclusive of overhead, profit or any other related cost.

4. EXAMINATION OF FACILITIES. Prior to submitting its offer it is advisable that the vendor visit the site of the proposed work and become familiar with any conditions which may in any manner affect the work to be done or affect the equipment, materials and labor required. The vendor is also advised to examine carefully the drawings and specifications and to become thoroughly aware regarding any and all conditions and requirements that may in any manner affect the work to be performed under the contract. No additional allowances will be made because of lack of knowledge of these conditions.

6. PERFORMANCE BOND. Contractor shall furnish a Performance Bond and a Payment Bond from an A-rated Financial Class V Surety Company.

- a) Each Bond shall be in the amount of one hundred percent (100%) of the Contract Price guaranteeing to City the completion and performance of the work covered in such Contract as well as full payment of all suppliers, laborers, or subcontractors employed pursuant to this Project.
- b) Each Bond shall continue in effect for one year after Final Completion and acceptance of the work with liability equal to one hundred percent (100%) of the Contract sum, or an additional bond shall be conditioned that Contractor will, upon notification by City, correct any defective or faulty work or materials which appear within one year after Final Completion of the Contract.
- c) Bond(s) shall be recorded in the public records of Miami-Dade County and provide City with evidence of such recording.

12. ADDITION/DELETION OF FACILITIES/SERVICE/PRODUCTS. Although this solicitation identifies specific items/products, it is hereby agreed and understood that any related item/products may be added to, and any awarded items/products may be deleted from, this contract at the option of the City. When an addition to the contract is required, the Successful Bidder(s) under this contract and other suppliers, as deemed necessary shall be invited to submit price quotes for these new items/products. If these quotes are comparable with market prices offered for similar items/products, the supplier(s) and item(s) shall be added to the contract, if it is in the best interest of the City and an addendum and a separate purchase order or change order shall be issued by the City.

13. ADDITIONAL TERMS OR CONDITIONS. This RFP, including the attached Sample Contract, contains all the terms and conditions applicable to any service being provided to the City resulting from

award of contract. By virtue of submitting a proposal, consultant agrees not to require additional terms and conditions at the time services are requested, either through a separate agreement, work order, letter of engagement or purchase order.

14. CHANGE OF PROJECT MANAGER. A change in the Consultant's project manager (as well as any replacement) shall be subject to the prior written approval of the City Manager or his designee (who in this case shall be an Assistant City Manager). Replacement (including reassignment) of an approved project manager or public information officer shall not be made without submitting a resume for the replacement staff person and receiving prior written approval of the City Manager or his designee (i.e. the City project manager).

15. SUB-CONSULTANTS. The Consultant shall not retain, add, or replace any sub-consultant without the prior written approval of the City Manager, in response to a written request from the Consultant stating the reasons for any proposed substitution. Any approval of a sub-consultant by the City Manager shall not in any way shift the responsibility for the quality and acceptability by the City of the services performed by the sub-consultant from the Consultant to the City. The quality of services and acceptability to the City of the services performed by sub-consultants shall be the sole responsibility of Consultant.

16. NEGOTIATIONS. Upon approval of selection by the City Commission, negotiations between the City and the selected Proposer (s) will take place to arrive at a mutually acceptable Agreement, including final scope of services, deliverables and cost of services.

17. PRECLUSION. Proposer(s) and sub-consultants contracted to develop the Design Criteria Package for a project are precluded from bidding/responding to the competitive solicitation for the design and/or construction of the project. Pursuant to Chapter 287.055, Florida Statutes, the Consultants Competitive Negotiations Act (CCNA).

APPENDIX E



MIAMI BEACH

Cost Proposal Form

2018-233-KB

DESIGN, BUILD, OPERATE AND MAINTAIN WATER,
WASTEWATER AND STORMWATER SUPERVISORY
CONTROL AND DATA ACQUISITION (SCADA) &
PLC

PROCUREMENT DIVISION
1755 Meridian Avenue, 3rd Floor
Miami Beach, Florida 33139

**APPENDIX A
COST PROPOSAL FORM**

Failure to submit Section 5, Proposal Tender Form, in its entirety and fully executed by the deadline established for the receipt of proposals will result in proposal being deemed non-responsive and being rejected.

Bidder affirms that the prices stated on the proposal price form below represents the entire cost of the items in full accordance with the requirements of this RFP, inclusive of its terms, conditions, specifications and other requirements stated herein, and that no claim will be made on account of any increase in wage scales, material prices, delivery delays, taxes, insurance, cost indexes or any other unless a cost escalation provision is allowed herein and has been exercised by the City Manager in advance. The Bid Price Form (Section 5) shall be completed mechanically or, if manually, in ink. **Proposal Tender Forms (Section 5) completed in pencil shall be deemed non-responsive.** All corrections on the Proposal Tender Form (Section 5) shall be initialed.

To be provided during Phase II

Turnkey in accordance with the specifications.

Bidder's Affirmation	
Company:	
Authorized Representative:	
Address:	
Telephone:	
Email:	
Authorized Representative's Signature:	

APPENDIX F



MIAMI BEACH

Insurance Requirements

2018-233-KB

DESIGN, BUILD, OPERATE AND MAINTAIN WATER,
WASTEWATER AND STORMWATER SUPERVISORY
CONTROL AND DATA ACQUISITION (SCADA) &
PLC

PROCUREMENT DIVISION
1755 Meridian Avenue, 3rd Floor
Miami Beach, Florida 33139

INSURANCE REQUIREMENTS

This document sets forth the minimum levels of insurance that the contractor is required to maintain throughout the term of the contract and any renewal periods.

- XXX 1. Workers' Compensation and Employer's Liability per the Statutory limits of the state of Florida.
- XXX 2. Comprehensive General Liability (occurrence form), limits of liability \$ 1,000,000.00 per occurrence for bodily injury property damage to include Premises/ Operations; Products, Completed Operations and Contractual Liability. **Contractual Liability** and Contractual Indemnity (Hold harmless endorsement exactly as written in "insurance requirements" of specifications).
- XXX 3. Automobile Liability - \$1,000,000 each occurrence - owned/non-owned/hired automobiles included.
4. Excess Liability - \$_____.00 per occurrence to follow the primary coverages.
- XXX 5. The City must be named as and additional insured on the liability policies; and it **must** be stated on the certificate.
6. Other Insurance as indicated:
- | | | |
|---|----------|----|
| <u> </u> Builders Risk completed value | \$_____. | 00 |
| <u> </u> Liquor Liability | \$_____. | 00 |
| <u> </u> Fire Legal Liability | \$_____. | 00 |
| <u> </u> Protection and Indemnity | \$_____. | 00 |
| <u> </u> Employee Dishonesty Bond | \$_____. | 00 |
| <u> </u> Other | \$_____. | 00 |
- XXX 7. Thirty (30) days written cancellation notice required.
- XXX 8. Best's guide rating B+:VI or better, latest edition.
- XXX 9. The certificate must state the proposal number and title

The City of Miami Beach is self-insured. Any and all claim payments made from self-insurance are subject to the limits and provisions of Florida Statute 768.28, the Florida Constitution, and any other applicable Statutes.

APPENDIX G



MIAMI BEACH

City Owned or Leased Rooftop Mounting Assets

2018-233-KB

DESIGN, BUILD, OPERATE AND MAINTAIN WATER,
WASTEWATER AND STORMWATER SUPERVISORY
CONTROL AND DATA ACQUISITION (SCADA) &
PLC

PROCUREMENT DIVISION
1755 Meridian Avenue, 3rd Floor
Miami Beach, Florida 33139

City Owned or Leased rooftop mounting assets:

1. **Rebecca Towers**
200 Alton Rd, Miami Beach, FL 33139
25°46'15.2"N 80°08'19.8"W
2. **New City Hall**
1700 Convention Center Dr, Miami Beach, FL 33139
25°47'34.4"N 80°08'05.8"W
3. **Council Tower North**
1040 Collins Ave, Miami Beach, FL 33139
25°46'53.7"N 80°07'53.5"W
4. **Parkview Point Condominium**
7441 Wayne Ave, Miami Beach, FL 33141
25°51'35.1"N 80°07'39.5"W
5. **Tower Forty One**
4101 Pine Tree Dr, Miami, FL 33140
25°48'51.0"N 80°07'34.0"W
6. **Old City Hall**
1130 Washington Ave Miami Beach, FL 33139
25°46'57.7"N 80°07'56.9"W
7. **Police Department Headquarters**
1100 Washington Ave Miami Beach, FL 33139
25°46'56.1"N 80°07'59.9"W

APPENDIX H



MIAMI BEACH

Station Coordinates

2018-233-KB

DESIGN, BUILD, OPERATE AND MAINTAIN WATER,
WASTEWATER AND STORMWATER SUPERVISORY
CONTROL AND DATA ACQUISITION (SCADA) &
PLC

PROCUREMENT DIVISION
1755 Meridian Avenue, 3rd Floor
Miami Beach, Florida 33139

Count	Name	Station Label	Address	Latitude	Longitude
1	Control Room		451 Dade Blvd	25°48'4.41"N	80° 7'52.95"W
1	Wastewater Pump Station #1	S1	1053 Jefferson Avenue	25°46'53.60"N	80° 8'13.13"W
2	Wastewater Pump Station #2	S2	35 E Star Island	25°46'37.73"N	80° 9'1.51"W
3	Wastewater Pump Station #4	S4	231 S. Hibiscus Dr.	25°46'58.47"N	80° 9'38.77"W
4	Wastewater Pump Station #5	S5	195 Palm Ave.	25°46'49.88"N	80° 9'49.35"W
5	Wastewater Pump Station #6	S6	229 E. San Marino Dr.	25°47'26.26"N	80° 9'44.82"W
6	Wastewater Pump Station #7	S7	428 W. Dilido Dr.	25°47'26.74"N	80° 9'34.23"W
7	Wastewater Pump Station #8	S8	228 W. Rivo Alto Dr.	25°47'27.30"N	80° 9'19.97"W
8	Wastewater Pump Station #10	S10	28 Venetian Way	25°47'28.55"N	80° 8'55.51"W
9	Wastewater Pump Station #11	S11	1710 Washington Ave.	25°47'33.42"N	80° 7'56.40"W
10	Wastewater Pump Station #13	S13	2270 Sunset Dr.	25°47'55.16"N	80° 8'38.54"W
11	Wastewater Pump Station #14	S14	2730 Sunset Dr.	25.81262603	80° 8'42.52"W
12	Wastewater Pump Station #15	S15	5100 Pine Tree Drive	25°49'38.94"N	80° 7'30.63"W
13	Wastewater Pump Station #18	S18	6590 Pine Tree Dr.	25°50'48.25"N	80° 7'39.14"W
14	Wastewater Pump Station #19	S19	6854 Indian Creek Dr.	25°51'13.22"N	80° 7'25.79"W
15	Wastewater Pump Station #21	S21	971 71st Street	25°51'19.11"N	80° 7'46.13"W
16	Wastewater Pump Station #22	S22	100 Hagen St. (on the golf course)	25°51'24.42"N	80° 8'12.41"W
17	Wastewater Pump Station #23	S23	750 W. 75th Street	25°51'37.06"N	80° 7'34.53"W
18	Wastewater Pump Station #24	S24	8100 Hawthorne Avenue	25°52'0.36"N	80° 7'43.67"W
19	Wastewater Pump Station #27	S27	5400 Collins Ave.	25°49'59.48"N	80° 7'18.35"W
20	Wastewater Pump Station #28	S28	300 28th Street / 2800 Pine Tree Dr	25°48'15.89"N	80° 7'44.13"W
21	Wastewater Pump Station #29	S29	6310 Indian Creek Dr.	25°50'41.88"N	80° 7'17.70"W
22	Wastewater Pump Station #30	S30	110 MacArthur Causeway (USCG Station)	25°46'19.05"N	80° 8'51.93"W
23	Wastewater Pump Station #31	S31	290 Washington Ave.	25°46'20.23"N	80° 8'5.27"W
1	Stormwater Pump Station #1	SW1	1700 Purdy Ave	25°47'30.93"N	80° 8'40.22"W
2	Stormwater Pump Station #2	SW2	1800 Purdy Ave	25°47'37.23"N	80° 8'40.40"W
3	Stormwater Pump Station #3	SW3	20 Sunset Harbour Dr	25°47'44.01"N	80° 8'34.25"W
4	Stormwater Pump Station #4	SW4	1400 Bay Rd	25.78644	-80.14357
5	Stormwater Pump Station #5	SW5	52 Venetian Way	25.79126	-80.14873
6	Stormwater Pump Station #6	SW6	1608 Bay Rd (Station 2)	25.78891	-80.14461
7	Stormwater Pump Station #7	SW7	1608 Bay Rd (Station 1)	25°47'6.41"N	80° 8'39.12"W
8	Stormwater Pump Station #8	SW8	2101 Prairie Ave	25°47'50.47"N	80° 8'4.67"W
9	Stormwater Pump Station #9	SW9	4710 N Michigan Ave	25°49'22.84"N	80° 8'0.85"W
10	Stormwater Pump Station #10	SW10	875 W 46th St	25°49'16.93"N	80° 7'57.65"W
11	Stormwater Pump Station #11	SW11	4565 Nautilus Dr	25.82049	-80.13485
12	Stormwater Pump Station #12	SW12	4445 N Jefferson Ave	25°49'3.77"N	80° 8'0.77"W
13	Stormwater Pump Station #13	SW13	4220 N Meridian Ave	25°48'55.01"N	80° 7'59.80"W
14	Stormwater Pump Station #14	SW14	4213 Nautilus Dr	25°48'54.98"N	80° 7'59.79"W
15	Stormwater Pump Station #15	SW15	1111 Lincoln Rd	25°47'10.81"N	80° 8'36.85"W
16	Stormwater Pump Station #16	SW16	790 South Point Dr	25°46'4.59"N	80° 8'8.17"W
17	Stormwater Pump Station #17	SW17	2380 Liberty Ave	25°48'16.36"N	80° 7'40.59"W

18	Stormwater Pump Station #18	SW18	2687 Pine Tree Dr.	25°48'16.81"N	80° 7'42.42"W
19	Stormwater Pump Station #19	SW19	3405 Chase Ave	25°48'35.29"N	80° 7'57.43"W
20	Stormwater Pump Station #20	SW20	529 W. 37th St.	25°48'33.15"N	80° 7'41.60"W
21	Stormwater Pump Station #21	SW21	305 W. 34th St.	25°48'40.51"N	80° 7'48.74"W
22	Stormwater Pump Station #22	SW22	2796 Prairie Ave	25°48'13.29"N	80° 7'55.66"W
23	Stormwater Pump Station #23	SW23	8501 Hawthorne	25°52'12.24"N	80° 7'42.97"W
24	Stormwater Pump Station #24	SW24	W 23rd St & N Bay Rd	25.8016	-80.13976
25	Stormwater Pump Station #25	SW25	1480 10th St	25.78048	-80.14273
26	Stormwater Pump Station #26	SW26	1490 10th St	25.78048	-80.14273
27	Stormwater Pump Station #27	SW27	1480 14th St	25.78503	-80.14417
28	Stormwater Pump Station #28	SW28	1470 14th St	25.78503	-80.14417
29	Stormwater Pump Station #29	SW29	4300 Indian Creek Dr	25°48'52.43"N	80° 7'25.84"W
30	Stormwater Pump Station #30	SW30	8103 Crespi Blvd	25°51'59.60"N	80° 7'31.25"W
31	Stormwater Pump Station #31	SW31	1223 6th Street	25.4633	-80.8127
32	Stormwater Pump Station #32	SW32	630 Alton Rd	25.4633	-80.813
33	Stormwater Pump Station #33	SW33	1216 17th Street	25.7922	-80.1429
1	Water Station #1	W1	2302 Pine Tree Drive (Public Works yard)	25°48'3.53"N	80° 7'54.80"W
2	Water Station #2	W2	750 W. 75th Street (same as S23)	25°51'37.10"N	80° 7'33.65"W
3	Water Station #3	W3	971 71st Street (same as S21)	25°51'19.24"N	80° 7'45.75"W
4	Water Station #4	W4	1050 Arthur Godfrey Road (41st Street)	25°48'44.29"N	80° 8'11.37"W
5	Water Station #5	W5	Island Ave & Venetian Way SW corner	25°47'28.44"N	80° 8'50.97"W
6	Water Station #7	W7	130 MacArthur Causeway (Same location as S22)	25°46'19.25"N	80° 8'51.13"W
1	MacArthuer Causeway	Flow Meter		25.781499	-80.173134
2	Venetian Causeway	Flow Meter		25.790560	-80.166567
3	36th Street	Flow Meter		25.810198	-80.187626
4	Normandy Island	Flow Meter		25.851242	-80.143027
1	Master (parking lot)	Flow Meter	7251 Collins Ave (parking lot) (2A)	25.857551	-80.121255
2	Bay Harbour	Flow Meter	298 74th St	25.859482	-80.121673
3	Surf Side #2	Flow Meter	701 89th St	25.874796	-80.126024
4	Surf Side #1	Flow Meter	501 93rd St	25.881728	-80.125175
5	Bal Harbour	Flow Meter	9600 Collins Ave (parking lot)	25.887727	-80.123407
6	Bal Harbour	Flow Meter	9600 Collins Ave (control panel)	25.887637	-80.123603