

DEPARTMENTAL INPUT

CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION

New
 OTR
 Sole Source
 Bid Waiver
 Emergency
 Previous Contract/Project No. EPP-RFP682-5(5)

Contract
 Re-Bid
 Other
 LIVING WAGE APPLIES: YES NO

Requisition No./Project No.: RQWS1700001
 TERM OF CONTRACT 2 YEAR(S) WITH 3 1 YEAR OTRs

Requisition /Project Title: Rainfall Monitoring System

Description: The Miami-Dade County Water and Sewer Department (WASD), will solicit proposals from Radar-Rainfall Services Professionals to provide gauge adjusted radar rainfall (GARR) data. This data will be used by WASD to better manage the wastewater collection and transmission system. The objective of the future solicitation is to establish a contract with a selected Proposer to (i) provide archive quality GARR (AQ-GARR) data for selected historical storms, (ii) provide AQ-GARR data on an ongoing monthly basis, (iii) provide GARR data in real-time, and (iv) to provide spatially-distributed predictive rainfall data. The data should be available to WASD through a website hosted by the selected Proposer. The GARR/AQ-GARR data shall be assigned to a 1 km x 1km grid.

Issuing Department: WASD
 Contact Person: Juliana Manjarres
 Phone: 305-375-3065

Estimate Cost: \$360,000.00
 Funding Source: Proprietary Revenues

ANALYSIS

Commodity Codes:	<u>92045</u>				
Contract/Project History of previous purchases three (3) years Check here <input checked="" type="checkbox"/> if this is a new contract/purchase with no previous history.					
	<u>EXISTING</u>	<u>2ND YEAR</u>	<u>3RD YEAR</u>		
Contractor:					
Small Business Enterprise:					
Contract Value:					
Comments:					

Continued on another page (s): YES NO

RECOMMENDATIONS

	Set-aside	Sub-contractor goal	Bid preference	Selection factor
SBE				

Basis of recommendation:
See bid document

Signed: <u>Juliana Manjarres</u>	Date sent to SBD: <u>04/20/2016</u>
	Date returned to ISD Procurement: <u></u>

This document is a draft of a planned solicitation and is subject to change without notice.



**REQUEST FOR PROPOSALS (RFP) No. TBD
FOR
RAINFALL MONITORING SYSTEM**

PRE-PROPOSAL CONFERENCE TO BE HELD:

_____, 2017 at ____:00 AM (local time)
411 NW 1st Street, 43rd Floor, Conf. Rm. __, Miami, Florida

ISSUED BY MIAMI-DADE COUNTY:

Internal Services Department, Procurement Management Services Division
(Through the Expedited Purchasing Program)
for
Miami-Dade Water and Sewer Department

COUNTY CONTACT FOR THIS SOLICITATION:

Juliana Manjarres, Procurement Contracting Officer
111 NW 1st Street, Suite 1300, Miami, Florida 33128
Telephone: (305) 375-3065
E-mail: Juliana.manjarres@miamidade.gov

**PROPOSAL RESPONSES DUE:
TBD**

IT IS THE POLICY OF MIAMI-DADE COUNTY THAT ALL ELECTED AND APPOINTED COUNTY OFFICIALS AND COUNTY EMPLOYEES SHALL ADHERE TO THE PUBLIC SERVICE HONOR CODE (HONOR CODE). THE HONOR CODE CONSISTS OF MINIMUM STANDARDS REGARDING THE RESPONSIBILITIES OF ALL PUBLIC SERVANTS IN THE COUNTY. VIOLATION OF ANY OF THE MANDATORY STANDARDS MAY RESULT IN ENFORCEMENT ACTION. (SEE IMPLEMENTING ORDER 7-7)

Electronic proposal responses to this RFP are to be submitted through a secure mailbox at BidSync until the date and time as indicated in this document. It is the sole responsibility of the Proposer to ensure its proposal reaches BidSync before the Solicitation closing date and time. There is no cost to the Proposer to submit a proposal in response to a Miami-Dade County solicitation via BidSync. Electronic proposal submissions may require the uploading of electronic attachments. The submission of attachments containing embedded documents or proprietary file extensions is prohibited. All documents should be attached as separate files. All proposals received and time stamped through the County's third party partner, BidSync, prior to the proposal submittal deadline shall be accepted as timely submitted. The circumstances surrounding all proposals received and time stamped after the proposal submittal deadline will be evaluated by the procuring department in consultation with the County Attorney's Office to determine whether the proposal will be accepted as timely. Proposals will be opened promptly at the time and date specified. The responsibility for submitting a proposal on or before the stated time and date is solely and strictly the responsibility of the Proposer. The County will in no way be responsible for delays caused by technical difficulty or caused by any other occurrence. All expenses involved with the preparation and submission of proposals to the County, or any work performed in connection therewith, shall be borne by the Proposer(s).

A Proposer may submit a modified proposal to replace all or any portion of a previously submitted proposal up until the proposal due date. The County will only consider the latest version of the proposal. For competitive bidding opportunities available, please visit the County's Internal Services Department website at: <http://www.miamidade.gov/procurement/>.

Requests for additional information or inquiries must be made in writing and submitted using the question/answer feature provided by BidSync at www.bidsync.com. The County will issue responses to inquiries and any changes to this Solicitation it deems necessary in written addenda issued prior to the proposal due date (see addendum section of BidSync Site). Proposers who obtain copies of this Solicitation from sources other than through BidSync risk the possibility of not receiving addenda and are solely responsible for those risks.

1.0 PROJECT OVERVIEW AND GENERAL TERMS AND CONDITIONS

1.1 Introduction

Miami-Dade County, hereinafter referred to as the County, as represented by the Miami-Dade County Water and Sewer Department (WASD), is soliciting proposals from Radar-Rainfall Services Professionals to provide gauge adjusted radar rainfall (GARR) data. This data will be used by WASD to better manage the wastewater collection and transmission system.

The objective of this solicitation is to establish a contract with a selected Proposer to (i) provide archive quality GARR (AQ-GARR) data for selected historical storms, (ii) provide AQ-GARR data on an ongoing monthly basis, (iii) provide GARR data in real-time, and (iv) to provide spatially-distributed predictive rainfall data. The data should be available to WASD through a website hosted by the selected Proposer. The GARR/AQ-GARR data shall be assigned to a 1 km x 1km grid.

The County anticipates awarding a contract for a two (2) year period, with three (3) additional, one (1) year options to renew, at the County's sole discretion.

The anticipated schedule for this Solicitation is as follows:

Solicitation Issued:	TBD
Deadline for Receipt of Questions:	TBD
Proposal Due Date:	See front cover for date and time.
Evaluation Process:	TBD
Projected Award Date:	TBD

Comment [MJ(1)]: This contract was previously awarded for a longer term. Should we not consider establishing this contract for a longer term? How long do you anticipate an implantation (if any) to take? We should take this into consideration when thinking about the investment the County is making. What is the logic behind this term?

1.2 Definitions

The following words and expressions used in this Solicitation shall be construed as follows, except when it is clear from the context that another meaning is intended:

1. The acronym "AQ-GARR" to mean archive-quality gauge adjusted radar rainfall which is gauge adjusted radar rainfall GARR data developed from ground-based rain gauge data and NEXRAD-Next-Generation Radar radar data which has undergone a thorough quality assurance and quality control QA/QC process to identify and compensate for missing, low quality, or anomalous data.
2. The word "Contractor" to mean the Proposer that receives any award of a contract from the County as a result of this Solicitation, also to be known as "the prime Contractor".
3. The word "County" to mean Miami-Dade County, a political subdivision of the State of Florida.
4. The acronym "GARR" to mean gauge adjusted radar rainfall data which is spatially distributed rainfall data developed by calibrating NEXRAD-Next-Generation Radar radar data to rainfall data collected from a ground-based network of rain gauges.
5. The acronym "NEXRAD" to mean Next-Generation Radar which is a network of high-resolution Doppler weather radars operated by the National Weather Service.
6. The word "Proposal" to mean the properly signed and completed written submission in response to this solicitation by a Proposer for the Services, and as amended or modified through negotiations.
7. The word "Proposer" to mean the person, firm, entity or organization, as stated on the Solicitation Submittal Form, submitting a response to this Solicitation.
8. The words "Scope of Services" to mean Section 2.0 of this Solicitation, which details the work to be performed by the Contractor.
9. The word "Solicitation" to mean this Request for Proposals (RFP) or Request for Qualifications (RFQ) document, and all associated addenda and attachments.
10. The word "Subcontractor" to mean any person, firm, entity or organization, other than the employees of the Contractor, who contracts with the Contractor to furnish labor, or labor and materials, in connection with the Services to the County, whether directly or indirectly, on behalf of the Contractor.
11. The word "Solution" to mean the Rainfall Monitoring System inclusive of all software licensing, implementation, integration, configuration, training, maintenance, and support services.
12. The acronym "QA/QC" to mean quality assurance and quality control.
13. The words "Work", "Services", "Program", or "Project" to mean all matters and things that will be required to be done by the Contractor in accordance with the Scope of Services and the terms and conditions of this Solicitation.

1.3 GENERAL PROPOSAL INFORMATION

The County may, at its sole and absolute discretion, reject any and all or parts of any or all responses; accept parts of any and all responses; further negotiate project scope and fees; postpone or cancel at any time this Solicitation process; or waive any irregularities in this Solicitation or in the responses received as a result of this process. In the event that a Proposer wishes to take an exception to any of the terms of this Solicitation, the Proposer shall clearly indicate the exception in its proposal. No exception shall be taken where the Solicitation specifically states that exceptions may not be taken. Further, no exception shall be allowed that, in the County's sole discretion, constitutes a material deviation from the requirements of the Solicitation. Proposals taking such exceptions may, in the County's sole discretion, be deemed non-responsive. The County reserves the right to request and evaluate additional information from any respondent regarding respondent's responsibility after the submission deadline as the County deems necessary.

The submittal of a proposal by a Proposer will be considered a good faith commitment by the Proposer to negotiate a contract with the County in substantially similar terms to the proposal offered and, if successful in the process set forth in this Solicitation and subject to its conditions, to enter into a contract substantially in the terms herein. Proposals shall be irrevocable until contract award unless the proposal is withdrawn. A proposal may be withdrawn in writing only, addressed to the County contact person for this Solicitation, prior to the proposal due date or upon the expiration of 180 calendar days after the opening of proposals.

As further detailed in the Proposal Submittal Form, Proposers are hereby notified that all information submitted as part of, or in support of proposals will be available for public inspection after opening of proposals, in compliance with Chapter 119, Florida Statutes, popularly known as the "Public Record Law."

Any Proposer who, at the time of proposal submission, is involved in an ongoing bankruptcy as a debtor, or in a reorganization, liquidation, or dissolution proceeding, or if a trustee or receiver has been appointed over all or a substantial portion of the property of the Proposer under federal bankruptcy law or any state insolvency law, may be found non-responsible. To request a copy of any ordinance, resolution and/or administrative order cited in this Solicitation, the Proposer must contact the Clerk of the Board at (305) 375-5126.

1.4 ASPIRATIONAL POLICY REGARDING DIVERSITY

Pursuant to Resolution No. R-1106-15 Miami-Dade County vendors are encouraged to utilize a diverse workforce that is reflective of the racial, gender and ethnic diversity of Miami-Dade County and employ locally-based small firms and employees from the communities where work is being performed in their performance of work for the County. This policy shall not be a condition of contracting with the County, nor will it be a factor in the evaluation of solicitations unless permitted by law.

1.5 CONE OF SILENCE

Pursuant to Section 2-11.1(f) of the Miami-Dade County Code, as amended, a "Cone of Silence" is imposed upon each RFP or RFQ after advertisement and terminates at the time a written recommendation is issued. The Cone of Silence prohibits any communication regarding RFPs or RFQs between, among others:

- potential Proposers, service providers, lobbyists or consultants **and** the County's professional staff including, but not limited to, the County Mayor and the County Mayor's staff, County Commissioners or their respective staffs;
- the County Commissioners or their respective staffs **and** the County's professional staff including, but not limited to, the County Mayor and the County Mayor's staff; or
- potential Proposers, service providers, lobbyists or consultants, any member of the County's professional staff, the Mayor, County Commissioners or their respective staffs **and** any member of the respective Competitive Selection Committee.

The provisions do not apply to, among other communications:

- oral communications with the staff of the Vendor Services Section, the responsible Procurement Contracting Officer, provided the communication is limited strictly to matters of process or procedure already contained in the solicitation document;
- oral communications at pre-proposal conferences and oral presentations before Competitive Selection Committees during any duly noticed public meeting, public presentations made to the Board of County Commissioners during any duly noticed public meeting;
- recorded contract negotiations and contract negotiation strategy sessions; or
- communications in writing at any time with any county employees, official or member of the Board of County Commissioners unless specifically prohibited by the applicable RFP or RFQ documents.

When the Cone of Silence is in effect, all potential vendors, service providers, bidders, lobbyists and consultants shall file a copy of any written correspondence concerning the particular RFP or RFQ with the Clerk of the Board, which shall be made available to any person upon request. The County shall respond in writing (if County deems a response necessary) and file a copy with the Clerk of the Board, which shall be made available to any person upon request. Written communications may be in the form of e-mail, with a copy to the Clerk of the Board at clerkbcc@miamidade.gov.

All requirements of the Cone of Silence policies are applicable to this Solicitation and must be adhered to. Any and all written communications regarding the Solicitation are to be submitted only to the Procurement Contracting Officer with a copy to the Clerk of the Board. The Proposer shall file a copy of any written communication with the Clerk of the Board. The Clerk of the Board shall make copies available to any person upon request.

1.6 COMMUNICATION WITH COMPETITIVE SELECTION COMMITTEE MEMBERS

Proposers are hereby notified that direct communication, written or otherwise, to Competitive Selection Committee members or the Competitive Selection Committee as a whole are expressly prohibited. Any oral communications with Competitive Selection Committee members other than as provided in Section 2-11.1 of the Miami-Dade County Code are prohibited.

1.7 PUBLIC ENTITY CRIMES

Pursuant to Paragraph 2(a) of Section 287.133, Florida Statutes, 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 for a contract to provide any goods or services to a public entity; may not submit a proposal on a contract with a public entity for the construction or repair of a public building or public work; may not submit proposals 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 Section 287.017 for Category Two for a period of thirty-six (36) months from the date of being placed on the convicted vendor list.

1.8 LOBBYIST CONTINGENCY FEES

- a) In accordance with Section 2-11.1(s) of the Code of Miami-Dade County, after May, 16, 2003, no person may, in whole or in part, pay, give or agree to pay or give a contingency fee to another person. No person may, in whole or in part, receive or agree to receive a contingency fee.
- b) A contingency fee is a fee, bonus, commission or non-monetary benefit as compensation which is dependent on or in any way contingent upon the passage, defeat, or modification of: 1) any ordinance, resolution, action or decision of the County Commission; 2) any action, decision or recommendation of the County Mayor or any County board or committee; or 3) any action, decision or recommendation of any County personnel during the time period of the entire decision-making process regarding such action, decision or recommendation which foreseeably will be heard or reviewed by the County Commission or a County board or committee.

1.9 COLLUSION

In accordance with Section 2-8.1.1 of the Code of Miami-Dade County, where two (2) or more related parties, as defined herein, each submit a proposal for any contract, such proposals shall be presumed to be collusive. The foregoing presumption may be rebutted by the presentation of evidence as to the extent of ownership, control and management of such related parties in preparation and submittal of such proposals. Related parties shall mean Proposer or the principals thereof which have a direct or indirect ownership interest in another Proposer for the same contract or in which a parent company or the principals thereof of one Proposer have a direct or indirect ownership interest in another Proposer for the same contract. Proposals found to be collusive shall be rejected. Proposers who have been found to have engaged in collusion may be considered non-responsible, and may be suspended or debarred, and any contract resulting from collusive bidding may be terminated for default.

1.10 EXPEDITED PURCHASING PROGRAM

Pursuant to Ordinance 07-49, the County has created a pilot program for expedited purchasing, subject to terms and conditions as outlined in Section 2-8.1.6 of the Code of Miami-Dade County. The program shall be referred to as the Expedited Purchasing Program (EPP). Due to the expedited nature of County projects issued under the EPP, participating vendors should anticipate a shortened solicitation timeline for responding. Technical, professional and legal staff may be used to determine best value as set forth in the solicitation documents without the need to utilize the formal Competitive Selection Committee process established by the County. The County Mayor's or designee's written recommendation to award a contract under the EPP shall be sufficient to commence the bid

protest period and terminate the Cone of Silence. Any legislation contrary to the provisions of the EPP shall be deemed suspended or amended as necessary to give effect to the intent of this ordinance during its effective term.

1.11 CONTRACT MEASURES

This Solicitation includes contract measures for Miami-Dade County Certified Small Business Enterprises (SBE's) pursuant to Sections 2-8.1.1.1.1 and 2.1.1.1.2 of the Code of Miami-Dade County as follows:

Comment [MJ(2): This Section is to be reviewed by SBD.

Set-aside:

This Solicitation is set-aside for SBE's.

Subcontractor Goal:

_____% SBE subcontractor goal is applicable. The purpose of a subcontractor goal is to have portions of the work under the prime contract performed by available subcontractors that are certified SBEs for contract values totaling not less than the percentage of the prime contract value set out in this Solicitation. Subcontractor goals may be applied to a contract when estimates made prior to solicitation advertisement identify the quality; quantity and type of opportunities in the contract and SBEs are available to afford effective competition in providing a percentage of these identified services. Proposers shall submit a completed Schedule of Intent Affidavit (Form SBD 504) at the time of proposal identifying all SBEs to be utilized to meet the subcontractor goal. The Schedule of Intent Affidavit shall specify the scope of work and commodity code the SBE will perform. The Schedule of Intent Affidavit constitutes a written representation by the Proposer that to the best of the Proposer's knowledge the SBEs listed are available and have agreed to perform as specified, or that the Proposer will demonstrate unavailability. The Schedule of Intent form can be found at <http://www.miamidade.gov/business/library/forms/sbe-soi.pdf>.

The participating SBE firms (or joint ventures) must have a valid Miami-Dade County SBE certification by the proposal submittal deadline of this Solicitation, as well as, meet all other requirements. Additional information regarding Miami-Dade County's Small Business Enterprise Program, including new amendments to the program, is available on the Small Business Development's website <http://www.miamidade.gov/business/business-certification-programs-SBE.asp>.

~~(If Selection Factor use Section 4.4 and delete above section.)~~

1.12 Special Security Requirements At Water And Sewer Department

Miami-Dade County Water and Sewer Department (WASD) operates under strict security regulations. These regulations involve the issuance of special identification (ID) cards after performing complete police background checks of individuals who are required to enter the restricted areas of WASD frequently. These ID cards are required for access and are issued by the WASD at the current cost of \$20.00 per applicant per year. Therefore, the Contractor shall obtain and pay for ID cards for each of his/her employees and/or agents who will be frequently visiting or performing services at WASD restricted areas. For more information concerning WASD ID cards, contact the Human Resources Section of WASD at (786) 552 8669.

2.0 SCOPE OF SERVICES

2.1 Background

WASD recognizes the importance of accurate spatial and temporal rainfall data in managing its wastewater collection and transmission system. As a result, WASD desires to develop a program to acquire and analyze GARR data to support decision-making in Planning, Engineering, and Operations.

Miami-Dade County has a service area of approximately 480 square miles, which is shown in Exhibit A. The "GARR Study Area" boundary, shown in Exhibit A, MDWASD Rain Gauges defines the study area for the radar-rainfall program and includes the urban coastal communities of the Greater Miami area.

Comment [MJ(3): What is the document name for Exhibit? Kindly please provide.

Comment [PGM(4): Same title on ExhA at the top

WASD owns and operates a wastewater collection and transmission system, consisting of approximately 1,000 pumping stations and over 2,500 miles of collection mains. The collection system serves 13 major municipalities or Volume Sewer Customers (VSC), in addition to the Miami-Dade County residents. The collected wastewater is transmitted through over 640 miles of transmission mains to the three (3) regional wastewater treatment facilities, located in the North, Central, and South Districts. The total permitted capacity of these wastewater treatment facilities is approximately 350 million gallons per day (MGD).

2.2 Current Process

WASD currently operates a network of 66 rain gauges. Their locations are shown in Exhibit A. In addition, there are other rain gauges in WASD's service area operated by other agencies (e.g., National Oceanographic and Atmospheric Administration, National Weather Service, etc.). At each County location, WASD measures rainfall continuously and stores data at a 3-minute interval.

WASD has an ongoing program to manage system-wide collection and transmission system capacity and reduce sanitary sewer overflows. As part of this program, WASD tracks wet weather flow response in the system. This involves comparing concurrent rainfall hyetographs against wastewater hydrographs. This information is used to evaluate system performance and track infiltration and inflow (I/I) levels.

In order to support these efforts, WASD would like to have GARR data to determine total rainfall over specific geographic areas (e.g., pump station basins). This information will be utilized by WASD for historical storms in order to determine baseline conditions. WASD would also like to have GARR data on an ongoing basis, in order to support the wastewater collection and transmission program. In addition to supporting MDWASD's capacity management program, obtaining the GARR data in real-time will assist in supporting operational decisions.

2.3 Services to be Provided

The selected Proposer shall perform the following tasks and deliverables:

2.3.1 Tasks and Deliverables

Task 1: Review Rain Gauge Program

The selected Proposer shall perform an evaluation of WASD's existing rain gauge network and provide recommendations to improve the capture of high quality data. As part of the review, rain gauge siting, data quality, equipment, spacing, the number of gauges, operation and maintenance practices, data collection, and other relevant factors should be analyzed and addressed.

The selected Proposer will be required to meet with County staff as needed to perform the review and present recommendations to improve final data quality and accuracy. The selected Proposer will be required to submit the recommendations in a technical memorandum as a deliverable under the resultant contract.

Task 2: Historical Rainfall Data

WASD desires to determine baseline wet weather conditions in the collection and transmission system. To assist in this effort, WASD desires AQ-GARR data for five (5) selected historical storms for any time period gap between the expiry of the current contract and start of the new contract. WASD will provide the selected Proposer with historical rainfall data. The selected Proposer will be required to assist WASD in the selection of the historical storms to use in the analysis by meeting with County staff as needed, reviewing/analyzing historical rain gauge and radar data, and making recommendations to WASD.

The selected Proposer will be required to develop AQ-GARR data across the study area for the 5 historical storms (if applicable) at a 5-minute time step. The selected Proposer will perform detailed QA/QC on the rainfall and radar data used to develop the AQ-GARR data. The County rain-gauge data will be provided at a 3-minute time step. The selected Proposer will be required to obtain additional rain-gauge data from other sources as it deems necessary to fulfill this requirement.

It is anticipated that the selected Proposer will provide the County with the following:

1. A technical memorandum which summarizes the historical storms including the date of occurrence, duration, total volume and recurrence frequency for the entire service area.
2. A Microsoft Excel spreadsheet which summarizes the historical storms including the date of occurrence, duration, total volume and recurrence frequency for each of the pumping station basins.

3. The AQ-GARR data formatted as ARC/INFO ASCII Grid files or other file format as approved by WASD. The Selected Proposer shall provide a separate file for each rainfall time step and the files shall use a naming convention as approved by WASD which clearly identifies the date and time corresponding to when the rainfall occurred.
4. ASCII files with tab-delimited columns which provide the time series of rainfall data for each pumping station. The Selected Proposer shall provide a separate file for each storm. The first column shall contain the timestamp and the proceeding columns shall provide the rainfall for the pump stations for the corresponding time step. The first row shall contain header information such as the pump station names and the units of measurement.

The selected Proposer will be required to provide or make available the files through web access as approved by WASD. The selected Proposer will also be required to make the data for the five (5) historical storms (if applicable) accessible to County staff through the website as described in Task 5, Web-Based Access to Rainfall Data.

Task 3: Monthly Archive Data

The selected Proposer will be required to develop and submit on a monthly basis AQ-GARR data for the study area as a deliverable under the resultant contract. The time step of the AQ-GARR data can be no more than five (5) minutes.

In support of the development of the AQ-GARR data, the WASD will provide rainfall data from the County's network of ground-based rain gauges to the selected Proposer. The selected Proposer will be required to perform a detailed QA/QC on the rainfall and radar data used to develop the AQ-GARR data.

It is anticipated that the selected Proposer will provide the County with the following deliverables on a monthly basis:

1. A brief technical memorandum which summarizes the storm events including date of occurrence, duration, total volume, and recurrence frequency over the total service area. The narrative will also be required to include observed gauge errors that may indicate mechanical failure, digital file corruption, or improper synchronization of the gauge clocks.
2. A Microsoft Excel spreadsheet which compares the AQ-GARR data against the raw rain gauge data. The spreadsheet will be required to compare the gauged storm total against the AQ-GARR storm total for that radar "bin." Scatter-plots of rain gauge storm totals versus the AQ-GARR storm totals shall be prepared for each gauge. A cumulative distribution plot will be required to be prepared and submitted for each storm for each gauge site that shows rain gauge data, non-adjusted radar-rainfall data and AQ-GARR data.
3. AQ-GARR data in ARC/INFO ASCII Grid file format or other format as approved by WASD. The Selected Proposer will be required to provide a separate file for each rainfall time step and the files will use a naming convention as approved by WASD which clearly identifies the date and time corresponding to when the rainfall occurred.
4. ASCII file with tab-delimited columns which provides the time series of rainfall data for each pumping station. The first column shall contain the timestamp and the proceeding columns will be required to provide the rainfall for the pump stations for the corresponding time step. The first row will be required to contain header information such as the pump station names and the units of measurement.

The selected Proposer is expected to submit or make available the deliverables through web access as approved by WASD. The deliverables are to be postmarked on or before the 15th of the following month. The selected Proposer will also be required to make the monthly data accessible to County staff through the website as described in Task 5, Web-Based Access to Rainfall Data, on or before the 15th of the following month.

Proposal submissions should detail the approaches and tools that will be used to develop AQ-GARR data. The approaches used to identify problems or anomalies in the rainfall and radar data should also be detailed along with processes for correcting or compensating for them. The process of calibrating the radar data to the rainfall data should be detailed and include, but not be limited to a discussion of the frequency of calibration (e.g., calibration to storm totals, total during each time step, etc.) and the spatial-weighting of the rain gauges in the calibration process.

Task 4: Real-Time Rainfall Data.

The selected Proposer shall provide real-time, GARR data to WASD. The selected Proposer will be required to make the data accessible to County staff through the website as described in Task 5, Web-Based Access to Rainfall Data. Barring delays in

Comment [MJ(5)]: If this is a web based solution, the information can be obtained by County personnel directly from the Proposer's site or do you still need to receive any documentation?

Comment [PGM(6)]: Web Access only should be applied thru-out document

Comment [MJ(7)]: Please see comment above.

NEXRAD and rain gauge data deliveries to the selected Proposer which are beyond the selected Proposer's control, the "real time" data available on the website will be required to reflect the earliest possible, recent conditions.

It is understood that the accuracy and reliability of "real-time" GARR data is less than that for AQ-GARR data. Proposals should detail the range of accuracy and reliability that can be provided by the real-time data. Proposals should detail the process used to develop the "real-time" GARR data and make clear the differences between this process and the process used to develop the AQ-GARR data.

In support of the development of the real-time data, the WASD will provide rainfall data from the County's network of ground-based rain gauges to the selected Proposer in "real time." Proposals should describe data exchange protocols by which MDWASD can provide the selected Proposer with "real-time" rain gauge data.

Task 5: Web-Based Access to Rainfall Data

The selected Proposer will be required to provide, maintain, and host a password-protected website which provides County staff with access to the AQ-GARR data, pumping station rainfall time-series data, real-time GARR data, and predictive rainfall data.

The website will be required to provide the following functionality at a minimum:

- Display a service area map showing rain gauge locations, pump stations, pump station basins and other GIS layers that will be provided by WASD;
- Animate rainfall intensities for user-selected storms over the service area map (utilizes data from Tasks 2, Historical Rainfall Data, and 3, Monthly Archive Data);
- Animate rainfall intensities for user-selected preceding time period (e.g., last 3 hours, last 8 hours, last 24 hours, last 48 hours, etc.) over the service area map (utilizes data from Task 4, Real-Time Rainfall Data);
- Display real-time rainfall intensity on service area map (utilizes data from Task 4, Real-Time Rainfall Data);
- Provide graphs/tables of 5-minute rainfall intensity over the service area or a user-selected pumping station basin for a user-selected storm or preceding time period (utilizes data from Tasks 2, Historical Rainfall Data; 3, Monthly Archive Data; and 4, Real-Time Rainfall Data);
- Provide table of predicted rainfall for the service area and user-selected pumping station basins (utilizes data from Task 6);
- Provide animated map of forecasted rainfall intensities (utilizes data from Task 6, Predictive Rainfall Data); and
- Provide ability to export tables to Microsoft Excel.

Additionally, it is highly desired that the website provide a map which illustrates the spatial distribution of a storm's recurrence frequency given a user-specified duration (e.g., 12 hours, 24 hours, etc.).

Task 6: Predictive Rainfall Data

The selected Proposer will be required to provide or make available spatially distributed rainfall forecasts to WASD through web access. The forecasts will be required at a minimum of one (1) hour into the future. The forecasted rainfall data will be required to be available through the website.

Proposals should discuss the method used to spatially predict rainfall and provide references to academic journals or other sources of information which provide additional detail. Proposals should also discuss the reliability and accuracy of the predictive spatially-distributed rainfall data.

WASD understands that a number of wastewater utilities use one (1) hour predictions to assist in system operation. WASD would like to develop a better understanding of whether or not a longer predictive period can be reasonably obtained, and if so, how reliable and accurate the data would be. Accordingly, proposals should quantify how the reliability and accuracy of the predictions change as the predictive period increases.

Deliverables

The key project deliverables will be required to include, but not be limited to, the following (that are further detailed in the above tasks):

- Rain Gauge Program Review Technical Memorandum
- Historical Rainfall Data
- Technical memorandum
- Microsoft Excel spreadsheet summarizing the historical storms
- AQ-GARR grid data file for each time step
- Pumping station time-series rainfall file for each storm
- Monthly Deliverables
- Technical memorandum
- Microsoft Excel spreadsheet comparing AQ-GARR data against raw data
- AQ-GARR grid data file for each time step
- Pumping station time-series rainfall file
- Password-protected website provided and hosted through sSelected Proposer which provides access to:
- Historical storm AQ-GARR data (animated maps of service area, tables/graphs for service area and pumping stations)
- Monthly AQ-GARR data (animated maps of service area, tables/graphs for service area and pumping stations)
- Real-time GARR data (animated maps of service area, tables/graphs for service area and pumping stations)
- Predictive rainfall data

Comment [MJ(8)]: We can incorporate the deliverables listed here within each Task above as it was done with some deliverables to ensure consistency.

2.3.2 Application Licensing - not applicable, please delete

Comment [MJ(9)]: I have added the following Sections as they are usually part of any contract similar in scope to this contract. Please feel free to revise as required.
If you decide to keep this language, the line highlighted in pink below will have to be added to the Proposer Submission Package.

2.3.3 Technical Support Services

The proposed Solution must be of the most recent release and the selected Proposer shall provide all hosting, software maintenance, and technical support services for the proposed Solution throughout the term of the contract.

A. *Hosting and Software Maintenance Services - not applicable, please delete*

B. *Technical Support Services*

Any restrictions to, shutdowns of, or lack of due deliverables at the selected Proposer's web site must be restored fully within 3 days.

Comment [PGM(10)]: Delete this section – there is no licensing – only ID + password for web access to date

2.3.4 Implementation Requirements

The selected Proposer must provide a detailed explanation and implementation timeline with their proposal response that addresses the firm's ability for contract startup. The explanation must demonstrate that adequate services will be available within 30 days of the awarded contract start date to accommodate the service level expectation of WASD. Proposers shall include the following information at a minimum in their proposal response:

- Provide implementation schedule and delivery dates list all services requested in Section 2.0, Scope of Services, including rainfall activity data dating back to the contract start date (processed after the fact).

2.3.5 Training

The selected Proposer shall provide WASD with at least five (5) "Train the Trainer" sessions of up to twenty (20) WASD Users each to cover using, administering, and reporting on the Solution. Training shall be conducted on-site at a designated location provided by WASD and be coordinated with approved dates/time by the authorized WASD Project Manager. The selected Proposer shall supply an electronic copy of all training materials to WASD. Additional training shall be made available via on-line videos or other resources on an ongoing basis throughout the term of the contract awarded as a result of this solicitation.

Comment [MJ(11)]: Please revise according to your needs

2.3.6 Tests

The selected Proposer shall configure and program the Solution to conform to Section 2.0, Scope of Services. The software will be subject to several tests. Implementation Plan, and Acceptance Criteria to be developed and agreed by both parties.

3.0 RESPONSE REQUIREMENTS

3.1 Submittal Requirements

In response to this Solicitation, Proposer should **complete and return the entire Proposal Submission Package**. Proposers should carefully follow the format and instructions outlined therein. All documents and information must be fully completed and signed as required and submitted in the manner described.

The proposal shall be written in sufficient detail to permit the County to conduct a meaningful evaluation of the proposed services. However, overly elaborate responses are not requested or desired.

4.0 EVALUATION PROCESS

4.1 Review of Proposals for Responsiveness

Each proposal will be reviewed to determine if the proposal is responsive to the submission requirements outlined in this Solicitation. A responsive proposal is one which follows the requirements of this Solicitation, includes all documentation, is submitted in the format outlined in this Solicitation, is of timely submission, and has the appropriate signatures as required on each document. Failure to comply with these requirements may result in the proposal being deemed non-responsive.

4.2 Evaluation Criteria

Proposals will be evaluated by a Review Team which will evaluate and rank proposals on criteria listed below. The Review Team will be comprised of appropriate County personnel and members of the community, as deemed necessary, with the appropriate experience and/or knowledge, striving to ensure that the Review Team is balanced with regard to both ethnicity and gender. The criteria are itemized with their respective weights for a maximum total of one hundred (100) points per Review Team member.

Comment [MJ(12)]: This Section will have to be revised accordingly based on the information required by WASD. The Technical Criteria has to be reflected on the Proposer Information Section.

Technical Criteria

Points

Proposer's approach to reviewing MDWASD's rain gauge program, performing QA/QC of rain gauge data, developing AQ-GARR data, developing real-time GARR data, forecasting spatially-distributed rainfall, and website features.

34

Proposer's past experience with rain gauge program evaluations, QA/QC of rain gauge data, producing AQ-GARR data, providing real-time GARR data, forecasting rainfall and providing websites for data access and analysis.

28

Proposer's past performance in delivering high-quality work products on schedule and budget, providing a high level of customer service, and facilitating project start up activities such as data transfer, setting up the website, etc.

28

Price Criteria

Proposed price will be evaluated based on the solution proposed and overall best value to the County.

10

Total Points Per Evaluation/Selection Committee Review Team Member:

100

4.3 Oral Presentations

Upon evaluation of the criteria indicated above, rating and ranking, the Review Team may choose to conduct an oral presentation with the Proposer(s) which the Review Team deems to warrant further consideration based on, among other considerations, scores in clusters and/or maintaining competition. (See Affidavit – "Lobbyist Registration for Oral Presentation" regarding registering speakers in

Comment [MJ(13)]: The idea is that the Review Team will evaluate the technical and price criteria, and then after that they will go to Oral Presentations Please

the proposal for oral presentations.) Upon completion of the oral presentation(s), the Review Team will re-evaluate, re-rate and re-rank the proposals remaining in consideration based upon the written documents combined with the oral presentation.

4.4 Selection Factor

This Solicitation includes a selection factor for Miami-Dade County Certified Small Business Enterprises (SBE's) as follows. A SBE/Micro Business Enterprise is entitled to receive an additional ten percent (10%) of the total technical evaluation points on the technical portion of such Proposer's proposal. An SBE/Micro Business Enterprise must be certified by Small Business Development for the type of goods and/or services the Proposer provides in accordance with the applicable Commodity Code(s) for this Solicitation. For certification information contact Small Business Development at (305) 375-2378 or access <http://www.miamidade.gov/business/business-certification-programs-SBE.asp>. The SBE/Micro Business Enterprise must be certified by proposal submission deadline, at contract award, and for the duration of the contract to remain eligible for the preference. Firms that graduate from the SBE program during the contract may remain on the contract.

Comment [MJ(14)]: Section to be updated upon SBD's review.

OR

A Selection Factor is not applicable to this Solicitation.

OR

(If no points are assigned to evaluation criteria, include the following in addition to above paragraph):

Whenever there are two best ranked proposals that are substantially equal and only one of the two so ranked proposals is submitted by a Proposer entitled to a selection factor, the selection factor shall be the deciding factor for award.

4.5 Local Certified Veteran Business Enterprise Preference

This Solicitation includes a preference for Miami-Dade County Local Certified Veteran Business Enterprises in accordance with Section 2-8.5.1 of the Code of Miami-Dade County. "Local Certified Veteran Business Enterprise" or "VBE" is a firm that is (a) a local business pursuant to Section 2-8.5 of the Code of Miami-Dade County and (b) prior to proposal or bid submittal is certified by the State of Florida Department of Management Services as a veteran business enterprise pursuant to Section 295.187 of the Florida Statutes. A VBE that submits a proposal in response to this solicitation is entitled to receive an additional five percent of the evaluation points scored on the technical portion of such vendor's proposal. If a Miami-Dade County Certified Small Business Enterprise (SBE) measure is being applied to this Solicitation, a VBE which also qualifies for the SBE measure shall not receive the veteran's preference provided in this section and shall be limited to the applicable SBE preference. At the time of proposal submission, the firm must affirm in writing its compliance with the certification requirements of Section 295.187 of the Florida Statutes and submit this affirmation and a copy of the actual certification along with the proposal submittal form.

4.6 Price Evaluation

The price proposal will be evaluated subjectively in combination with the technical proposal, including an evaluation of how well it matches Proposer's understanding of the County's needs described in this Solicitation, the Proposer's assumptions, and the value of the proposed services. The pricing evaluation is used as part of the evaluation process to determine the highest ranked Proposer. The County reserves the right to negotiate the final terms, conditions and pricing of the contract as may be in the best interest of the County.

4.7 Local Preference

The evaluation of competitive solicitations is subject to Section 2-8.5 of the Miami-Dade County Code, which, except where contrary to federal or state law, or any other funding source requirements, provides that preference be given to local businesses. If, following the completion of final rankings by the Review Team a non-local Proposer is the highest ranked responsive and responsible Proposer, and the ranking of a responsive and responsible local Proposer is within 5% of the ranking obtained by said non-local Proposer, then the Review Team will recommend that a contract be negotiated with said local Proposer.

4.8 Negotiations

The Review Team will evaluate, score and rank proposals, and submit the results of the evaluation to the County Mayor or designee with its recommendation. The County Mayor or designee will determine with which Proposer(s) the County shall negotiate, if any, taking into consideration the Local Preference Section above. The County Mayor or designee, at their sole discretion, may direct negotiations with the highest ranked Proposer, negotiations with multiple Proposers, and/or may request best and final offers. In any

event the County engages in negotiations with a single or multiple Proposers and/or requests best and final offers, the discussions may include price and conditions attendant to price.

Notwithstanding the foregoing, if the County and said Proposer(s) cannot reach agreement on a contract, the County reserves the right to terminate negotiations and may, at the County Mayor's or designee's discretion, begin negotiations with the next highest ranked Proposer(s). This process may continue until a contract acceptable to the County has been executed or all proposals are rejected. No Proposer shall have any rights against the County arising from such negotiations or termination thereof.

Any Proposer recommended for negotiations shall complete a Collusion Affidavit, in accordance with Sections 2-8.1.1 of the Miami-Dade County Code. (If a Proposer fails to submit the required Collusion Affidavit, said Proposer shall be ineligible for award.)

Any Proposer recommended for negotiations may be required to provide to the County:

- a) Its most recent certified business financial statements as of a date not earlier than the end of the Proposer's preceding official tax accounting period, together with a statement in writing, signed by a duly authorized representative, stating that the present financial condition is materially the same as that shown on the balance sheet and income statement submitted, or with an explanation for a material change in the financial condition. A copy of the most recent business income tax return will be accepted if certified financial statements are unavailable.
- b) Information concerning any prior or pending litigation, either civil or criminal, involving a governmental agency or which may affect the performance of the services to be rendered herein, in which the Proposer, any of its employees or subcontractors is or has been involved within the last three years.

4.9 Contract Award

Any proposed contract, resulting from this Solicitation, will be submitted to the County Mayor or designee. All Proposers will be notified in writing of the decision of the County Mayor or designee with respect to contract award. The Contract award, if any, shall be made to the Proposer whose proposal shall be deemed by the County to be in the best interest of the County. Notwithstanding the rights of protest listed below, the County's decision of whether to make the award and to which Proposer shall be final.

4.10 Rights of Protest

A recommendation for contract award or rejection of all proposals may be protested by a Proposer in accordance with the procedures contained in Sections 2-8.3 and 2-8.4 of the County Code, as amended, and as established in Implementing Order No. 3-21.

5.0 TERMS AND CONDITIONS

The anticipated form of agreement is attached. The terms and conditions summarized below are of special note and can be found in their entirety in the agreement:

a) Vendor Registration

Prior to being recommended for award, the Proposer shall complete a Miami-Dade County Vendor Registration Package. For online vendor registration, visit the Vendor Portal: . Then, the recommended Proposer shall affirm that all information submitted with its Vendor Registration Package is current, complete and accurate at the time it submitted a response to the Solicitation by completing an Affirmation of Vendor Affidavit form as requested by the County.

b) Insurance Requirements

The Contractor shall furnish to the County, Internal Services Department, Procurement Management Services Division, prior to the commencement of any work under any agreement, Certificates of Insurance which indicate insurance coverage has been obtained that meets the stated requirements.

c) Inspector General Reviews

According to Section 2-1076 of the Code of Miami-Dade County, as amended by Ordinance No. 99-63, Miami-Dade County has established the Office of the Inspector General which may, on a random basis, perform audits on all County contracts, throughout the duration of said contracts, except as otherwise indicated. The cost of the audit, if applicable, shall be one quarter (1/4) of one (1) percent of the total contract amount and the cost shall be included in any proposed price. The audit cost will be deducted by the County from progress payments to the Contractor, if applicable.

d) User Access Program

Pursuant to Section 2-8.10 of the Miami-Dade County Code, any agreement issued as a result of this Solicitation is subject to a user access fee under the County User Access Program (UAP) in the amount of two percent (2%). All sales resulting from this Solicitation and the utilization of the County contract price and the terms and conditions identified therein, are subject to the two percent (2%) UAP.

6.0 ATTACHMENTS

- Exhibit 'A' – MDWASD Rain Gauges
- Draft Form of Agreement
- Web Forms – Proposal Submission Package Including: Proposal Submittal Form, Fair Subcontract Practices Affidavit, Subcontractor Listing, Lobbyist Registration Form, and Contractor Due Diligence Affidavit.
- Proposer Information Section*
- Form 1 – Price Proposal Schedule*

*Note – The Proposer Information Section and Form 1 have been posted to BidSync in the form of fillable Microsoft Word documents.

Comment [MJ(15)]: Needs to be updated to include Exhibit A