## PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS AGENDA ITEM SUMMARY

**Meeting Date:** 

**February 3, 2009** 

Consent [X]

Regular [ ]

Public Hearing [ ]

Submitted By: Submitted For:

Water Utilities Department Water Utilities Department

### I. EXECUTIVE BRIEF

**Motion and title: Staff recommends motion to approve:** Agreement No. 4600001643/PO with the South Florida Water Management District (SFWMD) in the Amount of \$308,000 for the permitting, repair and replacement construction of various projects in the Cities of South Bay, Pahokee and Belle Glade.

**Summary:** The Palm Beach County Water Utilities Department (PBCWUD) will execute various water main and water services repairs in the Cities of South Bay, Pahokee and Belle Glade. The funding is being provided by The South Florida Water Management District (SFWMD) in the amount of \$308,000.00 with no matching funds required. The Specific Projects include; \$35,000 for the City of South Bay for watermain and service repair; \$133,000 for the City of Pahokee Morgan Road watermain replacement; and \$140,000 for the City of Belle Glade for watermain and service repair. District 6 (MJ)

Background and Justification: The project is being managed and primarily funded by South Florida Water Management District (SFWMD). To provide for funding, Palm Beach County Water Utilities applied through the South Florida Water Management District (DISTRICT) and was awarded \$308,000 in FY 2009 under the Alternative Water Supply Funding Stream. These funds will be used to reduce the repair critical water mains and water services for the three cities of South Bay, Pahokee and Belle Glade. The tables of tasks and Deliverables of the Agreement in accordance with Exhibit "B" is attached hereto and made a part of this Agreement.

## Attachments:

1. Two (2) original Agreement No. 4600001643/PO

Recommended By:

Department Director

Date

Approved By

Assistant Covinty Adm*in*istratoı

Date

## II. FISCAL IMPACT ANALYSIS

## A. Five Year Summary of Fiscal Impact:

Fiscal Years	2009	2010	2011	2012	2013
Capital Expenditures External Revenues Program Income (County) In-Kind Match County	\$ 308,000.00 \$ 308,000.00 \frac{0}{0}	<u>0</u> 00 0	<u>0</u> 0 0	<u>0</u> <u>0</u> <u>0</u> <u>0</u>	<u>0</u> 0 0 0
NET FISCAL IMPACT	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
# ADDITIONAL FTE POSITIONS (Cumulative)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

Budget Account No.: Fund 4011 Agency 721 Org. W006 Object 6543

Is Item Included in Current Budget?

Yes

No X

Reporting Category N/A

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

The Water Utilities Department will receive \$308,000 in grant revenue from the SFWMD under Agreement 4600001643/PO to the cost-share agreement for Fiscal Year 2009. Which will offset the capital costs incurred.

C. Department Fiscal Review:

Della m West

## **III. REVIEW COMMENTS**

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

OFMB TO CW 1/4/09
Legal Sufficiency: SH 1/20109

Contract and Development Control

This Contract complies with our contract review requirements.

Assistant County Attorn

B.

C. Other Department Review:

Department Director

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



## SOUTH FLORIDA WATER MANAGEMENT DISTRICT **CONTRACT**

THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT (hereinafter referred to as DISTRICT) HEREBY	This number must appear on all Invoices and Correspondence			
ENTERS INTO THIS CONTRACT WITH:  Name: Palm Beach County	Contract 4600001643/PO			
	SBE PARTICIPATION: N/A			
Address: 8100 Forest Hill Boulevard				
West Palm Beach FL 33416				
Project Manager: Tom Miller				
Telephone No: (561) 493-6004	The state of the s			
Fax No: (561) -				
Hereinafter referred to as: ENTITY				
PROJECT TITLE: LAKE COMMUNITIES INFRASTRUCT	TURE REPAIR PROGRAM			
The following Exhibits are attached hereto and made a part of				
Exhibit "A" - Not Applicable Exhibit "B" - General Terms and Conditions	Exhibit "H" - Not Applicable			
Exhibit "C" - Statement of Work	Exhibit "I" - Not Applicable Exhibit "J" - Not Applicable			
Exhibit "D" - Payment and Deliverable Schedule	Exhibit "K" - Not Applicable			
Exhibit "E" - Not Applicable	Exhibit "L" - Not Applicable			
Exhibit "F" - Not Applicable	Exhibit "M" - Not Applicable			
Exhibit "G" - Not Applicable				
TOTAL CONTRACT AMOUNT 308,000.00	CONTRACT TYPE: Not-to-Exceed			
Multi-Year Funding (If Applicable)				
Fiscal Year: Fiscal Year:	Fiscal Year:			
Fiscal Year:	Fiscal Year:			
*Subject to District Governing Board Annual Budget Approval				
CONTRACT TERM: 21 Months	EFFECTIVE DATE: January 2, 2009			
District Project Manager: Ashie Akpoji	District Contract Specialist: Sharman Rose			
Telephone No: (561) 682-2571 Fax No. (561) 682-2571	Telephone No: (561-682-2167			
SUBMIT INVOICES AND NOTICES TO THE DISTRICT AT:	Fax No.: (561) 681-5624			
South Florida Water Management District	SUBMIT NOTICES TO THE CONSULTANT AT: Palm Beach County			
Attention: Procurement Department - Notices	8100 Forest Hill Boulevard			
3301 Gun Club Road	West Palm Beach FL 33416			
West Palm Beach, Florida 33406 Attention: Accounts Payable - Invoices	İ			
P.O. Box 24682	Attention: Tom Miller			
West Palm Beach, FL 33416-4682				
IN WITNESS WHEREOF, the authorized representative hereby executes	this CONTRACT on this date, and accepts all Terms and Conditions			
under which it is issued.				
PALM BEACH COUNTY	SOUTH FLORIDA WATER MANAGEMENT DISTRICT			
(SEE PAGE 2)				
Accepted By:	Assembled Drug			
Signature of Authorized Representative	Accepted By: Frank Hayden, Procurement Director			
Signature of Fluthorized Representative	Date:			
Title:				
	SFWMD OFFICE OF COUNSEL APPROVED			
Date:	By: N/A Date: N/A			
	SFWMD PROCUREMENT APPROVED			
	By: Date:			

See 2 ND Page

IN WITNESS WHEREOF, the Parties or their duly authorized representatives hereby execute this **Agreement** on the date written below.

## SOUTH FLORIDA WATER MANAGEMENT DISTRICT BY ITS GOVERNING BOARD

	Ву:	
	By: Frank Hayden, Procurement Director	
	Date:	
SFWMD Procurement Approved:		
By: 52 - Ro	Date: 1/14/09	
	Palm Beach County	
	Entity's Legal Name: Board of County Comissioner	S
	By Authorized Official:	
	Printed Name: John F. Koons	
	Title: Chairman	
	Date:	
APPROVED AS TO TERMS AND CONDITIONS:		
Ву		
By	APPROVED AS TO TERRAL	
APPROVED AS TO FORM AND LEGAL SUFFIENCY	APPROVED AS TO TERMS AND CONDITIONS	
3y	By: Bank Bennde	
County Attorney	Department Director	



## SOUTH FLORIDA WATER MANAGEMENT DISTRICT EXHIBIT "B"

## GENERAL TERMS AND CONDITIONS

### ARTICLE 1 - STATEMENT OF WORK

- 1.1 The **COUNTY** shall, to the satisfaction of the **DISTRICT**, fully and timely perform all work items described in the "Statement of Work," attached hereto as Exhibit "C" and made a part of this **AGREEMENT**.
- 1.2 As part of the services to be provided by the COUNTY under this AGREEMENT, the COUNTY shall substantiate, in whatever forum reasonably requested by the DISTRICT, the methodology, lab analytical examinations, scientific theories, data, reference materials, and research notes. The COUNTY shall also be required to substantiate any and all work completed, including but not limited to, work completed by subcontractors, assistants, models, concepts, analytical theories, computer programs and conclusions utilized as the basis for the final work product required by the AGREEMENT. This paragraph shall survive the expiration or termination of this AGREEMENT.
- 1.3 The parties agree that time is of the essence in the performance of each and every obligation under this **AGREEMENT**.
- In the event COUNTY employees or hired workers are authorized by Exhibit "C" to perform services on-site at DISTRICT facilities, the COUNTY hereby agrees to be bound by all applicable DISTRICT policies and standards of conduct listed in Attachment "Contractor Policy 1, Acknowledgement" to Exhibit "C" and shall require each individual performing such on-site work to execute the Attachment 1 form. It is the COUNTY's responsibility to advise its employees or hired workers of the nature of the project, as described in Exhibit "C". The COUNTY shall determine the method, details and means of performing the services, within the parameters established by Exhibit "C". The **DISTRICT** shall provide additional guidance and instructions to COUNTY's employees or hired workers where necessary or appropriate as determined by the **DISTRICT**.

### ARTICLE 2 - COMPENSATION/ CONSIDERATION

- 2.1 The total consideration for all work required by the **DISTRICT** pursuant to this **AGREEMENT** shall not exceed the amount as indicated on the cover/signature page of this **AGREEMENT**. Such amount includes all expenses which the **COUNTY** may incur and therefore no additional consideration shall be authorized.
- Notwithstanding the foregoing, the amount expended under this AGREEMENT shall be paid in accordance with, and subject to the multi-year funding allocations for each DISTRICT fiscal year indicated on the cover/signature page of this AGREEMENT. Funding for each applicable fiscal year of this AGREEMENT is subject to DISTRICT Governing Board budgetary appropriation. In the event the **DISTRICT** does not approve funding for any subsequent fiscal year, this AGREEMENT shall terminate upon expenditure of the current funding, notwithstanding other provisions AGREEMENT to the contrary. The DISTRICT will notify the COUNTY in writing after the adoption of the final DISTRICT budget for each subsequent fiscal year if funding is not approved for AGREEMENT.
- 2.3 The **COUNTY** assumes sole responsibility for all work which is performed pursuant to the Statement of Work, Exhibit "C". By providing funding hereunder, the **DISTRICT** does not make any warranty, guaranty, or any representation whatsoever regarding the correctness, accuracy, or reliability of any of the work performed hereunder.
- 2.4 The COUNTY by executing this AGREEMENT, certifies to truth-in-negotiation, specifically, that wage rates and other factual unit costs supporting the consideration are accurate, complete, and current at the time of contracting. The COUNTY agrees that the DISTRICT may adjust the consideration for this AGREEMENT to exclude any significant sums by which the consideration was increased due to inaccurate, incomplete, or non-current wage rates and other factual unit costs.

Page 1 of 10, Exhibit "B"



## SOUTH FLORIDA WATER MANAGEMENT DISTRICT EXHIBIT "B" GENERAL TERMS AND CONDITIONS

The **DISTRICT** shall make any such adjustment within one (1) year following the expiration or termination of this **AGREEMENT**.

## ARTICLE 3 - INVOICING AND PROMPT PAYMENT

- 3.1 The COUNTY's invoices shall reference the DISTRICT's Contract Number and shall be sent to the DISTRICT's address specified on the cover/signature page of this AGREEMENT. The COUNTY shall not submit invoices to any other address at the DISTRICT.
- 3.2 The COUNTY shall submit the invoices on a completion of deliverable basis, pursuant to the schedule outlined in the Payment and Deliverable Schedule, attached hereto as Exhibit "D" and made a part of this AGREEMENT. In the event the schedule does not specify payment on a completion of deliverable basis, all invoices shall be substantiated by adequate supporting documentation to justify hours expended and expenses incurred within the not-to-exceed budget, including but not limited to, copies of approved timesheets, payment vouchers, expense reports (including approved travel costs, if applicable), receipts and subcontractor invoices. Any authorized travel shall be reimbursed in accordance with Chapter 112, Florida Statutes.
- 3.3 It is the policy of the **DISTRICT** that payment for all goods and services shall be made in a timely manner and that interest payments are made on late payments. In accordance with Florida Statutes, Section 218.70, Florida Prompt Payment Act, a "proper" invoice is defined as an invoice that conforms to all statutory requirements and all **DISTRICT** requirements as specified in the **AGREEMENT** for invoice submission. The time at which payment shall be due from the **DISTRICT** shall be forty-five (45) days from receipt of a proper invoice and acceptance of services and/or deliverables, based on compliance with the statutory requirements set forth in Section 218.70, F.S. and upon satisfaction of the **DISTRICT** conditions as detailed in the **AGREEMENT**.

Failure of the COUNTY to follow the instructions set forth in the AGREEMENT regarding a proper invoice and acceptable services and/or deliverables may result in an unavoidable delay in payment by the DISTRICT. All payments due from the DISTRICT for a proper invoice and acceptable services and/or deliverables and not made within the time specified in this section shall bear interest from thirty (30) days after the due date at the rate of one percent (1%) per month on the unpaid balance. The COUNTY shall invoice the DISTRICT for payment of any accrued unpaid interest.

Any disputes regarding invoice payments which cannot be resolved by the appropriate department of the **DISTRICT** shall be concluded by final written decision of the **DISTRICT** Leadership Team not later than sixty (60) days after the date on which the proper invoice was received by the **DISTRICT**.

3.4 Unless otherwise stated herein, the **DISTRICT** shall not pay for any obligation or expenditure made by the **COUNTY** prior to the commencement date of this **AGREEMENT**.

### ARTICLE 4 - PROJECT MANAGEMENT/ NOTICE

4.1 The parties shall direct all technical matters arising in connection with the performance of this AGREEMENT, other than invoices and notices, to the attention of the respective Project Managers specified on the cover/signature page of the AGREEMENT for attempted resolution or action. The Project Managers shall be responsible for overall coordination and oversight relating to the performance of this AGREEMENT. The COUNTY shall direct all administrative matters, including invoices and notices, to the attention of the DISTRICT's Contract Specialist specified on the cover/signature page of the AGREEMENT.

All formal notices between the parties under this AGREEMENT shall be in writing and shall be deemed received if sent by certified mail, return receipt requested, to the respective addresses specified on the cover/signature page of the AGREEMENT. The COUNTY shall also provide a copy of all notices to

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## SOUTH FLORIDA WATER MANAGEMENT DISTRICT EXHIBIT "B" GENERAL TERMS AND CONDITIONS

the **DISTRICT's** Project Manager. All notices required by this **AGREEMENT** shall be considered delivered *upon receipt*. Should either party change its address, written notice of such new address shall promptly be sent to the other party.

All correspondence to the **DISTRICT** under this **AGREEMENT** shall reference the **DISTRICT's** Contract Number specified on the cover/signature page of the **AGREEMENT**.

## **ARTICLE 5 - INSURANCE**

- The COUNTY assumes any and all risks of personal injury, bodily injury and property damage attributable to the negligent acts or omissions of the COUNTY and the officers, employees, servants, and agents thereof. The COUNTY warrants and represents that it is self-funded for Worker's compensation and liability insurance, covering at a minimum bodily injury, personal injury and property damage with protection being applicable to the COUNTY's officers, employees, servants and agents while acting within the scope of their employment during performance under this AGREEMENT. The COUNTY and the DISTRICT further agree that nothing contained herein shall be construed or interpreted as (1) denying to either party any remedy or defense available to such party under the laws of the State of Florida; (2) the consent of the State of Florida or its agents and agencies to be sued; or (3) a waiver of sovereign immunity of the State of Florida beyond the waiver provided in Section 768.28. Florida Statutes.
- In the event the COUNTY subcontracts any part or all of the work hereunder to any third party, the COUNTY shall require each and every subcontractor to identify the DISTRICT as an additional insured on all insurance policies as required by the COUNTY. Any contract awarded by the COUNTY for work under this AGREEMENT shall include a provision whereby the COUNTY's subcontractor agrees to indemnify, and pay on behalf, and hold the DISTRICT harmless from all damages arising in connection with the COUNTY's subcontract.

#### ARTICLE 6 - TERMINATION/REMEDIES

6.1 It is the policy of the **DISTRICT** to encourage good business practices by requiring contractors to materially perform in accordance with the terms and conditions of the **DISTRICT AGREEMENT**. In accordance with **DISTRICT**Rule 40E-7, Part II, F.A.C., "material breach" is defined as any substantial, unexcused non-performance by failing to perform an act that is an important part of the transaction or performing an act inconsistent with the terms and conditions of the **AGREEMENT**.

If the COUNTY materially fails to fulfill its obligations under this AGREEMENT, DISTRICT will provide written notice of the deficiency by forwarding a Cure Notice citing the specific nature of the material breach. COUNTY shall have thirty (30) days to cure the breach. If the COUNTY fails to cure the breach within the thirty (30) day period, the DISTRICT shall issue a Termination for Default Notice. Once the DISTRICT has notified the COUNTY that it has materially breached its contract with the DISTRICT, by sending a Termination for Default Notice, the DISTRICT's Governing Board shall determine whether the COUNTY should be suspended from doing future work with the DISTRICT, and if so, for what period of time. The DISTRICT's Governing Board will consider the factors detailed in Rule 40E-7, Part II, F.A.C. in making a determination as to whether a COUNTY should be suspended, and if so, for what period of time. Should the DISTRICT terminate for default in accordance with this provision, the DISTRICT shall be entitled to recover reprocurement costs in addition to all other remedies under law and/or equity.

6.2 The **DISTRICT** may terminate this **AGREEMENT** with or without cause at any time for convenience upon thirty (30) calendar days prior written notice to the **COUNTY**. The performance of work under this **AGREEMENT** may be terminated by the **DISTRICT** in accordance with this clause in whole, or from time to time in part, whenever the **DISTRICT** shall determine that such termination is in the best interest of the **DISTRICT**. Any such

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## SOUTH FLORIDA WATER MANAGEMENT DISTRICT EXHIBIT "B" GENERAL TERMS AND CONDITIONS

termination shall be effected by delivery to the COUNTY of a Notice of Termination specifying the extent to which performance of work under the AGREEMENT is terminated, and the date upon which such termination becomes effective.

In the event of termination for convenience, the DISTRICT shall compensate the COUNTY for all authorized and accepted deliverables completed through the date of termination in accordance with Exhibit "C", Statement of Work. The DISTRICT shall be relieved of any and all future obligations hereunder, including but not limited to lost profits and consequential damages, under this AGREEMENT. The DISTRICT may withhold all payments to the COUNTY for such work until such time as the DISTRICT determines the exact amount due to the COUNTY.

- 6.3 In the event a dispute arises which the project managers cannot resolve between themselves, the parties shall have the option to submit to non-binding mediation. The mediator or mediators shall be impartial, shall be selected by the parties, and the cost of the mediation shall be borne equally by the parties. The mediation process shall be confidential to the extent permitted by law.
- 6.4 The DISTRICT may order that all or part of the work stop if circumstances dictate that this action is in the DISTRICT's best interest. Such circumstances may include, but are not limited to, unexpected technical developments, direction given by the DISTRICT's Governing Board, a condition of immediate danger to DISTRICT employees, or the possibility of damage to equipment or property. This provision shall not shift responsibility for loss or damage, including but not limited to, lost profits or consequential damages sustained as a result of such delay, from the COUNTY to the DISTRICT. If this provision is invoked, the DISTRICT shall notify the COUNTY in writing to stop work as of a certain date and specify the reasons for the action, which shall not be arbitrary or capricious. The COUNTY shall then be obligated to suspend all work efforts as of the effective date of the notice and until further written direction from the DISTRICT is received. Upon resumption of work, if deemed appropriate by the DISTRICT, the

**DISTRICT** shall initiate an amendment to this **AGREEMENT** to reflect any changes to Exhibit "C", Statement of Work and/or the project schedule.

6.5 The **DISTRICT** anticipates a total project cost as indicated on the cover/signature page, with the balance of matching funds and/or in-kind services to be obtained from the **COUNTY** in the amount as specified on the cover/signature page of this **AGREEMENT**. In the event such **COUNTY** matching funding and/or in-kind services becomes unavailable, that shall be good and sufficient cause for the **DISTRICT** to terminate the **AGREEMENT** pursuant to Paragraph 6.2 above.

### ARTICLE 7 - RECORDS RETENTION/ OWNERSHIP

- 7.1 The **COUNTY** shall maintain records and the **DISTRICT** shall have inspection and audit rights as follows:
- A. Maintenance of Records: The COUNTY shall maintain all financial and non-financial records and reports directly or indirectly related to the negotiation or performance of this AGREEMENT including supporting documentation for any service rates, expenses, research or reports. Such records shall be maintained and made available for inspection for a period of five years from completing performance and receiving final payment under this AGREEMENT.
- B. Examination of Records: The DISTRICT or its designated agent shall have the right to examine in accordance with generally accepted governmental auditing standards all records directly or indirectly related to this AGREEMENT. Such examination may be made only within five years from the date of final payment under this AGREEMENT and upon reasonable notice, time and place.
- C. Extended Availability of Records for Legal Disputes: In the event that the DISTRICT should become involved in a legal dispute with a third party arising from performance under this AGREEMENT, the COUNTY shall extend the period of maintenance for all records relating to the AGREEMENT until the final disposition of the legal dispute, and all such

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## SOUTH FLORIDA WATER MANAGEMENT DISTRICT EXHIBIT "B" GENERAL TERMS AND CONDITIONS

records shall be made readily available to the **DISTRICT**.

- 7.2 The **DISTRICT** shall retain exclusive title, copyright and other proprietary rights in all work items, including but not limited to, all documents, technical reports, research notes, scientific data, computer programs, including the source and object code, which are developed, created or otherwise originated hereunder by the COUNTY, its subcontractor(s), assign(s), agent(s) and/or successor(s) as required by the Exhibit "C", Statement of Work (the "Work"). In consideration for the DISTRICT entering into this AGREEMENT, and other good and valuable consideration the sufficiency and receipt in full of which is hereby acknowledged by the COUNTY, the COUNTY hereby assigns, transfers, sells and otherwise grants to the DISTRICT any and all rights it now has or may have in the Work (the "Grant"). This Grant shall be self-operative upon execution by the parties hereto, however the COUNTY agrees to execute and deliver to the DISTRICT any further assignments or other instruments necessary to evidence the Grant, without the payment of any additional consideration by the DISTRICT. The COUNTY may not disclose, use, license or sell any work developed, created, or otherwise originated hereunder to any third party whatsoever. paragraph shall survive the termination or expiration of this AGREEMENT.
- 7.3 The COUNTY represents and warrants that proprietary software, if any, to be provided to the DISTRICT by the COUNTY hereunder, as specifically identified in Exhibit "C", Statement of Work shall have been developed solely by or for the COUNTY, or lawfully acquired under license from a third party, including the right to sublicense such software. The COUNTY shall include copyright or proprietary legends in the software and on the label of the medium used to transmit the software. COUNTY shall grant to the DISTRICT a perpetual, non-transferable, non-exclusive right to use the identified software without an additional fee. The DISTRICT acknowledges that title to the software identified in Exhibit "C" shall remain with the Licensor.
- Any equipment purchased by the COUNTY with DISTRICT funding under this AGREEMENT shall be returned and title transferred from the COUNTY to the DISTRICT immediately upon termination or expiration of this AGREEMENT upon the written request of the DISTRICT not less than thirty (30) days prior to AGREEMENT expiration or termination. Equipment is hereby defined as any non-consumable items purchased by the DISTRICT with a value equal to or greater than \$1,000.00 and with a normal expected life of one (1) year or more. The COUNTY will maintain any such equipment in good working condition while in its possession and will return the equipment to the DISTRICT in good condition, less normal wear and tear. The COUNTY will use its best efforts to safeguard the equipment throughout the period of performance of this AGREEMENT. However the DISTRICT will not hold the COUNTY liable for loss or damage due to causes beyond the COUNTY's reasonable control. In the event of loss or damage, the COUNTY shall notify the DISTRICT in writing within five (5) working days of such occurrence.
- 7.5 The **DISTRICT** has acquired the right to use certain software under license from third parties. For purposes of this **AGREEMENT**, the **DISTRICT** may permit the **COUNTY** access to certain third party owned software on **DISTRICT** computer systems. The **COUNTY** acknowledges the proprietary nature of such software and agrees not to reproduce, distribute or disclose such software to any third party. Use of or access to such software shall be restricted to designated **DISTRICT** owned systems or equipment. Removal of any copy of licensed software is prohibited.

## ARTICLE 8 - STANDARDS OF COMPLIANCE

8.1 The COUNTY, its employees, subcontractors or assigns, shall comply with all applicable federal, state, and local laws and regulations relating to the performance of this AGREEMENT. The DISTRICT undertakes no duty to ensure such compliance, but will attempt to advise the COUNTY, upon request, as to any such laws of which it has present knowledge.

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## SOUTH FLORIDA WATER MANAGEMENT DISTRICT EXHIBIT "B" GENERAL TERMS AND CONDITIONS

- 8.2 The COUNTY hereby assures that no person shall be discriminated against on the grounds of race, color, creed, national origin, handicap, age, or sex, in any activity under this AGREEMENT. The COUNTY shall take all measures necessary to effectuate these assurances.
- 8.3 The laws of the State of Florida shall govern all aspects of this **AGREEMENT**. In the event it is necessary for either party to initiate legal action regarding this **AGREEMENT**, venue shall be in the Fifteenth Judicial Circuit for claims under state law and in the Southern District of Florida for any claims which are justiciable in federal court.
- The COUNTY, by its execution of this AGREEMENT, acknowledges and attests that neither it, nor any of its suppliers, subcontractors, or consultants who shall perform work which is intended to benefit the DISTRICT is a convicted vendor or has been placed on the discriminatory vendor list. If the COUNTY or any affiliate of the COUNTY has been convicted of a public entity crime or has been placed on the discriminatory vendor list, a period longer than 36 months has passed since that person was placed on the convicted vendor or discriminatory vendor list. The COUNTY further understands and accepts that this AGREEMENT shall be either void by the DISTRICT or subject to immediate termination by the DISTRICT, in the event there is any misrepresentation or lack of compliance with the mandates of Section 287.133 or Section 287.134, respectively, Florida Statutes. The DISTRICT, in the event of such termination, shall not incur any liability to the COUNTY for any work or materials furnished.
- 8.5 The COUNTY, by its execution of this AGREEMENT, acknowledges and attests that neither it, nor any of its suppliers, subcontractors, or consultants who shall perform work which is intended to benefit the DISTRICT is included on the list of Specially Designated Nationals and Blocked Persons (SDN List) which is administered by the U.S. Department of Treasury, Office of Foreign Assets Control. The COUNTY further understands and accepts that this AGREEMENT shall be either void by the DISTRICT or subject to immediate termination by the DISTRICT, in the event there is any

- misrepresentation. The **DISTRICT**, in the event of such termination, shall not incur any liability to the **COUNTY** for any work or materials furnished.
- 8.6 The **COUNTY** shall be responsible and liable for the payment of all of its FICA/Social Security and other applicable taxes resulting from this **AGREEMENT**.
- 8.7 The COUNTY warrants that it has not employed or retained any person, other than a bona fide employee working solely for the COUNTY, to solicit or secure this AGREEMENT. Further the COUNTY warrants that is has not paid or agreed to pay any person, other than a bona fide employee working solely for the COUNTY, any fee, commission, percentage, gift, or other consideration contingent upon or resulting from the awarding or making of this AGREEMENT. For breach of this provision, the DISTRICT may terminate this AGREEMENT without liability and, at its discretion, deduct or otherwise recover the full amount of such fee, commission, percentage, gift, or other consideration.
- 8.8 The COUNTY shall allow public access to all project documents and materials in accordance with the provisions of Chapter 119, Florida Statutes. Should the COUNTY assert any exemptions to the requirements of Chapter 119 and related Statutes, the burden of establishing such exemption, by way of injunctive or other relief as provided by law, shall be upon the COUNTY.
- 8.8.1 Pursuant to Sections 119.07(3)(0), and 1004.32 Florida Statutes, data processing software obtained by an agency under a license AGREEMENT which prohibits its disclosure and which software is a trade secret, as defined in Sections 812.081(c), Florida Statutes is exempt from the disclosure provisions of the Public Records law. However, the parties hereto agree that if a request is made of the DISTRICT, pursuant to Chapter 119, Florida Statute, for public disclosure of proprietary property being licensed to the COUNTY (Licensee) hereunder, the DISTRICT shall advise the COUNTY (Licensee) of such request and, as between the DISTRICT and the COUNTY (Licensee's)

Page 6 of 10, Exhibit "B"

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## SOUTH FLORIDA WATER MANAGEMENT DISTRICT EXHIBIT "B"

## GENERAL TERMS AND CONDITIONS

sole burden and responsibility to immediately seek and obtain such injunctive or other relief from the Courts and to immediately serve notice of the same upon the Licensor to protect the Licensor's claimed exemption under the Statute.

- The COUNTY shall make reasonable efforts to obtain any necessary federal, state, local, and other governmental approvals, as well as all necessary private authorizations and permits, prior to the commencement of performance AGREEMENT. A delay in obtaining permits shall not give rise to a claim by the COUNTY for additional compensation. If the COUNTY is unable to obtain all necessary permits in a timely manner, either party may elect to terminate AGREEMENT, each party to bear its own costs, notwithstanding other provisions AGREEMENT to the contrary.
- 8.10 Pursuant to Section 216.347, F.S., the COUNTY is prohibited from the expenditure of any funds under this AGREEMENT to lobby the Legislature, the judicial branch or another state agency.
- The DISTRICT is a governmental entity responsible for performing a public service and therefore has a legitimate interest in promoting the goals and objectives of the agency. The work under this AGREEMENT involves a project consistent with these goals and objectives. Consequently, the **DISTRICT** is desirous of satisfactorily completing and successfully promoting this project with the cooperation of its COUNTY. Therefore, the COUNTY assures the DISTRICT that the COUNTY, its employees, subcontractors and assigns will refrain from acting adverse to the DISTRICT'S legitimate interest in promoting the goals and objectives of this project. The COUNTY agrees to take all reasonable measures necessary to effectuate these assurances. In the event the COUNTY determines it is unable to meet or promote the goals and objectives of the project, it shall have the duty to immediately notify the DISTRICT. Upon such notification the DISTRICT, in its discretion, may terminate this AGREEMENT.

## ARTICLE 9 - RELATIONSHIP BETWEEN THE PARTIES

- 9.1 The COUNTY shall be considered an independent contractor and neither party shall be considered an employee or agent of the other party. Nothing in this AGREEMENT shall be interpreted to establish any relationship other than that of independent contractor between the parties and their respective employees, agents, subcontractors, or assigns during or after the performance on this AGREEMENT. Both parties are free to enter into contracts with other parties for similar services.
- 9.2 In the event that the COUNTY is providing staff who will be working on-site at DISTRICT facilities, it is further understood that the COUNTY shall be the employer of the staff provided pursuant to the AGREEMENT for all purposes under state and federal law and that the COUNTY's staff shall not be eligible for any benefit programs the DISTRICT offers to its employees. All benefits available to the COUNTY's staff shall be exclusively provided by the COUNTY or by the COUNTY's employee.

The COUNTY is solely responsible for compliance with all labor and tax laws pertaining to officers, agents and COUNTY employees and shall indemnify and hold the DISTRICT harmless from any failure by the COUNTY to comply with such laws. The COUNTY's duties with respect to such personnel shall include, but are not limited to, the following:

- 9.2.1 Billing, collection, payroll services and tax withholding, and any other related services
- 9.2.2 Providing insurance coverage pursuant to Article 5 of this AGREEMENT.
- 9.2.3 Providing any and all employment benefits, including, but not limited to, annual leave, sick leave, paid holidays, health insurance, retirement benefits and disability insurance.
- 9.2.4 Complying with the Fair Labor Standards Act, 29 U.S.C. 201, et.seq., including payment of overtime in accordance with the Act.

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## SOUTH FLORIDA WATER MANAGEMENT DISTRICT EXHIBIT "B"

## GENERAL TERMS AND CONDITIONS

- 9.2.5 Providing employee training for all activities necessary for job performance, except those functions that are unique to the **DISTRICT**, in which event, the **DISTRICT**, in its sole judgment and discretion, may provide training.
- 9.3 It is the intent and understanding of the Parties that this **AGREEMENT** is solely for the benefit of the **COUNTY** and the **DISTRICT**. No person or entity other than the **COUNTY** or the **DISTRICT** shall have any rights or privileges under this **AGREEMENT** in any capacity whatsoever, either as third-party beneficiary or otherwise.
- 9.4 The **COUNTY** shall not assign, delegate, or otherwise transfer its rights and obligations as set forth in this **AGREEMENT** without the prior written consent of the **DISTRICT**. Any attempted assignment in violation of this provision shall be void.
- 9.5 The **COUNTY** shall not pledge the **DISTRICT**'s credit or make the **DISTRICT** a guarantor of payment or surety for any **AGREEMENT**, debt, obligation, judgement, lien, or any form of indebtedness.
- 9.6 The **DISTRICT** assumes no duty with regard to the supervision of the **COUNTY** and the **COUNTY** shall remain solely responsible for compliance with all safety requirements and for the safety of all persons and property at the site of **AGREEMENT** performance.

#### **ARTICLE 10 - MBE PARTICIPATION**

10.1 The COUNTY hereby acknowledges that no Minority Business Enterprises (MBE) participation level has been established for this AGREEMENT; however, both parties agree to provide the other advance notice of competitive contracts that may result from this AGREEMENT along with timelines for public notice and award of such contracts. In the event subsequent competitive contract awards do result in MBE participation, such participation shall be reported to the other party. Both the COUNTY and the DISTRICT will ensure compliance with the provisions of their respective program, laws, ordinances and policies and will support the other's initiatives to the extent allowed by law.

### **ARTICLE 11 - GENERAL PROVISIONS**

- 11.1 Notwithstanding any provisions of this AGREEMENT to the contrary, the parties shall not be held liable for any failure or delay in the performance of this AGREEMENT that arises from fires, floods, strikes, embargoes, acts of the public enemy, unusually severe weather, outbreak of war, restraint of Government, riots, civil commotion, force majeure, act of God, or for any other cause of the same character which is unavoidable through the exercise of due care and beyond the control of the parties. Failure to perform shall be excused during the continuance of such circumstances, but this AGREEMENT shall otherwise remain in effect. This provision shall not apply if the "Statement of Work" of this AGREEMENT specifies that performance by COUNTY is specifically required during the occurrence of any of the events herein mentioned.
- 11.2 Any inconsistency in this **AGREEMENT** shall be resolved by giving precedence in the following order:
  - (a) Exhibit "A" Special Provisions, if applicable
  - (b) Exhibit "B" General Terms and Conditions
  - (c) Exhibit "C" Statement of Work
  - (d) all other exhibits, attachments and documents specifically incorporated herein by reference
- 11.3 Failures or waivers to insist on strict performance of any covenant, condition, or provision of this AGREEMENT by the parties, their successors and assigns shall not be deemed a waiver of any of its rights or remedies, nor shall it relieve the other party from performing any subsequent obligations strictly in accordance with the terms of this AGREEMENT. No waiver shall be effective unless in writing and signed by the party against whom enforcement is sought. Such waiver shall be limited to provisions of this AGREEMENT specifically referred to therein and shall not be deemed a waiver of any other provision. No waiver shall constitute a continuing waiver unless the writing states otherwise.
- 11.4 Should any term or provision of this AGREEMENT be held, to any extent, invalid or unenforceable, as against any person, entity or circumstance during the term hereof, by force of any

Page 8 of 10, Exhibit "B"

# TER MANYON TO SERVICE 
## SOUTH FLORIDA WATER MANAGEMENT DISTRICT EXHIBIT "B" GENERAL TERMS AND CONDITIONS

statute, law, or ruling of any forum of competent jurisdiction, such invalidity shall not affect any other term or provision of this **AGREEMENT**, to the extent that the **AGREEMENT** shall remain operable, enforceable and in full force and effect to the extent permitted by law.

- 11.5 This **AGREEMENT** may be amended only with the written approval of the parties hereto.
- 11.6 This AGREEMENT states the entire understanding and AGREEMENT between the parties and supersedes any and all written or oral representations, statements, negotiations, or contracts previously existing between the parties with respect to the subject matter of this AGREEMENT. The COUNTY recognizes that any representations, statements or negotiations made by DISTRICT staff do not suffice to legally bind the DISTRICT in a contractual relationship unless they have been reduced to writing and signed by an authorized DISTRICT representative. This AGREEMENT shall inure to the benefit of and shall be binding upon the parties, their respective assigns, and successors in interest.

## ARTICLE 12 – SAFETY REQUIREMENTS

- 12.1 The **COUNTY** shall require appropriate personal protective equipment in all operations where there is exposure to hazardous conditions.
- 12.2 The COUNTY shall instruct employees required to handle or use toxic materials or other harmful substances regarding their safe handling and use, including instruction on the potential hazards, personal hygiene and required personal protective measures. A Material Safety Data Sheet (MSDS) shall be provided by the COUNTY to the DISTRICT on each chemical product used.
- 12.3 The **COUNTY** shall comply with the standards and regulations set forth by the Occupational Safety and Health Administration (OSHA), the Florida Department of Labor and Employment Security and all other appropriate federal, state, local or **DISTRICT** safety and health standards.

- 12.4 It is the **COUNTY's** sole duty to provide safe and healthful working conditions to its employees and those of the **DISTRICT** on and about the site of **AGREEMENT** performance.
- 12.5 The COUNTY shall initiate and maintain an accident prevention program which shall include, but shall not be limited to, establishing and supervising programs for the education and training of employees in the recognition, avoidance, and prevention of unsafe conditions and acts.
- 12.6 The COUNTY shall erect and maintain, as required by existing conditions and performance of the AGREEMENT, reasonable safeguards for safety and protection, including posting of danger signs and other warnings, against hazards.
- 12.7 The **COUNTY** shall take reasonable precautions for safety of, and shall provide reasonable protection to prevent damage, injury, or loss to:
- 12.7.1 employees on the work and other persons who may be affected thereby; including pedestrians, visitors, or traveling public;
- 12.7.2 the work, materials, and equipment to be incorporated therein; whether in storage on or off the site, under care, custody or control of the **COUNTY**, or the **COUNTY**'s subcontractors; and
- 12.7.3 other properties at the site or adjacent thereto; such as trees, shrubs, lawns, walks, utilities, pavement, roadways, structures, building, vehicles, and equipment not designated for removal, relocation or replacement in the course of work.
- 12.8 The **COUNTY** shall provide first aid services and medical care to its employees.
- 12.9 The **COUNTY** shall develop and maintain an effective fire protection and prevention procedures and good housekeeping practices on the work site throughout the **AGREEMENT**.

Page 9 of 10, Exhibit "B"

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## SOUTH FLORIDA WATER MANAGEMENT DISTRICT EXHIBIT "B" GENERAL TERMS AND CONDITIONS

12.10 *Emergencies*: In emergency affecting safety of persons or property on or about the site or as a result of the work; the **COUNTY** shall act, timely and with due diligence, to prevent threatened damage, injury, or loss.

12.11 Environmental: When the COUNTY, COUNTY's contractors, or subcontractors, use petroleum products, hazardous chemicals, or any other chemicals used on or about the site, the COUNTY shall be responsible for handling these chemical constituents in accordance with federal, state and local regulations during the terms of the AGREEMENT. For accidental discharges or releases onto the floor, air, ground, surface waters, ground waters, it shall be the COUNTY's sole responsibility to respond immediately to clean the site, at his expense, to the complete satisfaction of federal, state, local regulatory agencies and to the DISTRICT requirements.

12.12 The **DISTRICT** may order the **COUNTY** to halt operations under the **AGREEMENT**, at the **COUNTY's** expense, if a condition of immediate danger to the public and/or **DISTRICT** employees, equipment, or property exist. This provision shall not shift the responsibility or risk of loss for injuries or damage sustained from the **COUNTY** to the **DISTRICT**; and the **COUNTY** shall remain solely responsible for compliance with all federal, state and local safety requirements, provisions of this section, and safety of all persons and property on or about the site.

Page 10 of 10, Exhibit "B"

## EXHIBIT "C" STATEMENT OF WORK

Lake Communities Infrastructure Repair Program
Palm Beach County

### A. INTRODUCTION/BACKGROUND

The Cities of Pahokee, South Bay and Belle Glade comprise the western communities in the Glades Region of Palm Beach County. They currently receive treated water from the Lake Region Water Treatment Plant, a 10-MGD brackish water reverse osmosis facility that obtains water from the Floridan Aquifer, an alternative water supply source.

The three cities have a high percentage of unaccounted-for water, a portion of which is caused by leaks in the existing water systems. The leaks are due to the age of the infrastructure and poor soil conditions. It is estimated that the leaks account for 110 million gallons of potable water being wasted per year – water that, if captured, may eliminate that additional stress for water placed upon the Floridan Aquifer.

To date, Palm Beach County has spent \$179,000 on leak detection and repair projects for the City of Pahokee.

South Florida Water Management District (**District**) will provide funding to Palm Beach County (**County**) to distribute to the cities of Pahokee, South Bay and Belle Glade for this project.

### B. OBJECTIVES

This project is intended to repair leaking water mains, services and valves in the Cities of Pahokee, South Bay and Belle Glade to prevent 110 million gallons of potable water per year from being wasted.

When the Glades Utility Authority (GUA) is created in 2009 to eventually serve the Cities of Belle Glade, Pahokee, and South Bay, all three cities will share in the fiscal savings brought about by this project.

## C. SCOPE OF WORK

The scope of work for this project includes the following infrastructure repairs:

- City of South Bay:
  - o Water Main Repair (Various Locations)
  - o Repair 19 Water Services
- City of Pahokee:
  - o Morgan Road Water Main Replacement
  - o Repair Water Main

Page 1 of 2, Exhibit C to Agreement No. 4600001643

- City of Belle Glade:
  - o Repair 5 Water Mains
  - o Repair 66 Water Services
  - o Repair 1 Valve

## D. WORK BREAKDOWN STRUCTURE

The work breakdown structure associated with this project is described below. Note that if the project is complete prior to the due date of a Quarterly Progress Report (Tasks 1-3), then the Final Report shall replace this and subsequent Progress Reports shall not be required.

<u>Task 1 - Quarterly Progress Report:</u> County shall submit to the project manager a status report summarizing progress made to date, issues of concern potentially affecting project performance, and any other information pertinent to the project.

Due Date: March 31, 2009

<u>Task 2 - Quarterly Progress Report:</u> County shall submit to the project manager a status report summarizing progress made to date, issues of concern potentially affecting project performance, and any other information pertinent to the project.

**Due Date:** June 30, 2009

<u>Task 3.1-3.2:</u> **County** shall be responsible for the repair of the water main and 19 water services at various locations within the City of South Bay.

Due Date: August 31, 2009

<u>Task 4.1-4.2:</u> **County** shall be responsible for a water main repair project and replacement of the water main along Morgan Road in the City of Pahokee.

Due Date: August 31, 2009

<u>Task 5.1-5.3:</u> **County** shall be responsible for the repair of five (5) water mains, 66 water services, and one (1) valve in the City of Belle Glade.

**Due Date:** August 31, 2009

<u>Task 6 - Reimbursement Package & Project Summary Report:</u> County shall submit to the project manager the reimbursement request package, to include but not limited to, signed certification letter that the project is complete per the contract, copies of vendor invoices, documented man-hours, and any other in-kind contributions.

Due Date: August 31, 2009

<u>Task 7 - Final Report:</u> County shall submit to the project manager a Final Project Report summarizing all work performed during the course of the project as well as actual water savings to date versus original estimated water savings.

Due Date: September 30, 2009

<u>Task 8 - Assessment of Actual versus Estimated Water Savings Report:</u> County shall submit to the project manager a post-project performance report highlighting the project's actual water savings compared to the estimated water savings as presented in the County's project proposal. **Due Date:** September 29, 2010

## EXHIBIT "D" SUMMARY SCHEDULE OF TASKS AND DELIVERABLES

## Lake Communities Infrastructure Repair Program Palm Beach County

- A summary deliverable schedule associated with this project is set forth below.
- The County shall submit all deliverables to the District's Project Manager. All deliverables submitted hereunder are subject to review by the District. The County hereby agrees to provide the District all deliverables, data and information described in the Statement of Work.
- The **County** shall provide quarterly progress reports summarizing a brief description of the current status of the project and the extent of project completion. Progress reports are due by March 31, 2009; and June 30, 2009. The project summary shall be submitted on the Progress Summary Report, in the attached format, and is due no later than August 31, 2009. The final project report is due no later than September 30, 2009. Reports will provide detail on the progress of the project and outline any potential issues affecting project completion. Quarterly progress reports shall be submitted by the due date noted below, in the format attached.
- The **County** shall provide a post-project performance report highlighting the project's actual water savings compared to the estimated water savings as presented in the project proposal. This Assessment of Actual versus Estimated Water Savings Report is due no later than September 29, 2010.
- Reimbursement Request Packages may be submitted on a quarterly basis for partial payment toward all project-related hardware delivered and installed as outlined in the Statement of Work. Invoices shall be accompanied by proper documentation verifying completion of items invoiced. Timely payment of invoices shall be contingent upon the District's review and acceptance of all invoice(s). Final payment is subject to the final project cost. All Reimbursement Request Packages shall be submitted no later than August 31, 2009 for reimbursement. Total payment by the District for all work completed herein shall not exceed the amount of \$308,000.00. All payments are subject to District fiscal year appropriations.
- If the total consideration for this **Agreement** is subject to multi-year funding allocations, funding for each applicable fiscal year of this **Agreement** will be subject to Governing Board budgetary appropriation. In the event the **District** does not approve funding for any subsequent fiscal year, this **Agreement** shall terminate upon expenditure of the current funding, notwithstanding other provisions in this **Agreement** to the contrary.

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Task No.	Deliverable(s)	Reimbursement Request Package Due Date <sup>1</sup>	Report Due Date	District Not- To-Exceed Payment
1	Quarterly Progress Report	N/A	March 31, 2009	N/A
2	Quarterly Progress Report	N/A	June 30, 2009	N/A
3.0	City of South Bay	Parts of the second of the sec		
3.1	Water Main Repair (Various Locations)/Reimbursement Request Package	Upon Task Completion	N/A	\$15,000
3.2	Repair 19 Water Services/Reimbursement Request Package	Upon Task Completion	N/A	\$20,000
4.0	City of Pahokee			app (100) programmes (100)
4.1	Morgan Road Water Main Replacement/Reimbursement Request Package	Upon Task Completion	N/A	\$118,000
4.2	Repair Water Main/Reimbursement Request Package	Upon Task Completion	N/A	\$15,000
5.0	City of Belle Glade	N/A	N/A - , -	N/A
5.1	Repair five (5) Water Mains/Reimbursement Request Package	Upon Task Completion	N/A	\$60,000
5.2	Repair 66 Water Services/Reimbursement Request Package	Upon Task Completion	N/A	\$75,000
5.3	Repair one (1) Valve/Reimbursement Request Package	Upon Task Completion N/A		\$5,000
6	Reimbursement Request Package & Project Summary Report	August 31, 2009	August 31, 2009	N/A
7	Final Project Report	N/A	September 30, 2009	N/A
8	Assessment of Actual versus Estimated Water Savings Report	N/A September 29, 2010		N/A
		To	\$308,000	
			Total Project Cost	\$308,000

<sup>&</sup>lt;sup>1</sup> If applicable, interim Reimbursement Request Packages shall be submitted upon completion of the task(s) noted above. Reimbursement Request Packages <u>must</u> be submitted no later than August 31, 2009. Reimbursement Request Package(s) shall include but not limited to, a copy of **County's** invoice, signed certification letter that task(s) are complete per the contract, copies of vendor invoices, documented man-hours, and any other in-kind contributions.



# FY 2009 SOUTH FLORIDA WATER MANAGEMENT DISTRICT WATER SAVINGS INCENTIVE PROGRAM COOPERATIVE FUNDING QUARTERLY PROGRESS REPORT FORM

Contract #:	Reporting Quarter: 1 2 3 4
Project Title:	Funding Recipient:
Progress Summary:	
	•
Tasks Completed:	Tasks Behind Schedule:
	i i
Recommended Actions:	<u> </u>
Recommended Actions.	
Submitted by: , Pro	ject Manager, E-Mail:
	e-mail Ashie Akpoji at aakpoji@sfwmd.gov
SFWMD Staff Only: Date Receive	
roject Status: Commenced On Schedule	e Benind Schedule Completed Closed



## SOUTH FLORIDA WATER MANAGEMENT DISTRICT 2008 – 2009 WATER SAVINGS INCENTIVE PROGRAM FUNDING PROGRAM

## Project Summary Report – FY 2009

Project Title			Entity Project Manager			
SFWMD Contract Number			Entity Name (Project Owner)			
Type of Water Savings Incentive Project	Project Start Date	Project End Date	Proposed Water Savings	Actual Water Savings	Method of Water Savings Calculation	
					Please refer to page 2 of Exhibit "D"	
Was the original project scope fulfilled?   Yes   No If no, provide an explanation below.						
	CO	OST FOR TH		CT	Actual Costs	
m . 1 D		Proposal Estimate Actual Costs		Actual Costs		
Total Project Cost	FUNDING E	\$ BREAKDOW	N FOR TH	\$ IS PROJEC	<b>7</b>	
District funding		\$		\$		
Local funds		\$				
Other funding source services	e / in-kind	<b>φ</b>		\$		
From:		\$		\$		
TOTAL PROJEC	TCOST					
To the best of my know	ledge, the abov	e information	ı is correct			

Entity Project Manager

<sup>-</sup> All supporting documentation is to be included to support Actual Costs and Actual Water Savings for this project as specified in the deliverables table. Supporting documentation is to include but not limited to, copy of Entity invoice, Entity signed completion letter, copies of vendor invoices, documented man-hours, and any other in-kind services.

## Methods of Water Savings Calculation

The most direct way to calculate water use entails a comparison between pre- and post-project meter readings or utility bills. We recognize that each project has unique characteristics and circumstances. It is up to the on-site project manager to arrive at a method that would most accurately measure, calculate or estimate project water savings. Below are examples of possible ways to calculate water use and savings. There may be others. The 'proposed' water savings (requested above) should be what was listed in the original application.

## **Example 1. Water Bill Method**

Example project – Purchase and installation of Computerized Irrigation Management System at an HOA.

## Under the old irrigation system:

Total gallons of water used to irrigate common areas and the clubhouse's regular consumption from September 2005 to September 2006 was <u>968,465 gallons</u> (annual sum of monthly 'Current Usage' values from entity's water bill).

## Under the new irrigation system with rain and soil moisture sensors:

Total gallons of water used to irrigate common areas and the clubhouse's regular consumption from March 2007 to March 2008 was <u>769,237 gallons</u>.

Savings of 199,228 gallons per year.

### Example 2. Vendor Estimate Method

Example Project- Plumbing retrofit.

Old toilets: 5 gallons per flush (as per product stamp)

5 gallons per flush x 5 flushes per day x 322 toilets replaced x 365 days = 2.94 gallons per year.

New toilets: 1.1 gallons per flush (as per manufacturer or vendor listing)

1.1 gallons per flush x 5 flushes x 322 toilets installed x 365 days = 6.46 gallons per year.

Savings of 2.29 gallons per year.

### **Example 3. Volume Method**

Example project – Purchase and installation of Computerized Irrigation Management System.

## Under the old irrigation system:

Irrigation was pre-set to be delivered 2 days per week for 3 hours per watering. This totals at 104 watering events over one year (2 x 52 weeks). There are 25 sprinkler heads that deliver 2.5 gallons per minute (or 150 gallons per hour).

104 watering events x 3 hours x 150 gallons per hour x 25 heads = 1.17 million gallons per year

## Under the new irrigation system with rain and soil moisture sensors:

Irrigation was set for 2 days per week for 2.5 hour per watering. Potential total of 104 watering events in one year. Sensor devices sensed an actual need for 68 watering events over one year for an average of 2.5 hours each (as pre computer log).

68 watering events x 2.5 hours x 150 gallons per hour x 25 heads = 0.64 million gallons per year

Savings of 0.53 million gallons per year

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