Agenda Item <u># 3K- 4</u>

PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

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Meeting Date:	November 18, 2008	Consent [X] Public Hearing[]	Regular[]
Submitted By: Submitted For:	Water Utilities Department Water Utilities Department		· · ·
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I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: Supplement No. 1 to Consultant Services Authorization No. 20 to the contract with Camp Dresser & McKee, Inc. (CDM) (R-2005-0774) reducing the engineering services for the Water Treatment Plant No. 2 backwash recovery system and lime sludge handling facility in the deductive amount of \$156,473.

Summary: Supplement No. 1 to Consultant Services Authorization No. 20 concludes the engineering services at the 60% design for the Water Treatment Plant No. 2 backwash recovery System and lime sludge handling facility as the construction has been delayed until 2013. The engineering fees are being reduced from \$391,198 to \$234,725. The contract with CDM includes the 15.0% overall Small Business Enterprise (SBE) participation goal established by the Palm Beach County SBE Ordinance (No. 2002-064). This Supplement No. 1 to Consultant Services Authorization No. 20 includes zero overall participation. The consultant's cumulative SBE participation, including this authorization, is 21.62% overall. (WUD Project No. 07-134) <u>District 2</u> (MJ)

Background and Justification: On June 5, 2007 the Board approved Consultant Services Authorization No. 20 (R2007-0876) for the Water Treatment Plant No. 2 backwash recovery system and lime sludge handling facility. Zero discharge of process water from the backwash or lime sludge lagoon is required by the Florida Department of Environmental Protection (FDEP) as Water Treatment Plant No. 2 does not have a permit for discharges to the Lake Worth Drainage District L-10 canal. The process water has been temporarily re-routed to the wastewater system to meet the FDEP requirements. The backwash recovery and lime sludge handling facilities are now budgeted for construction in fiscal year 2013/2014. This Supplement to Consultant Service Authorization No. 20 terminates the engineering services at the 60% design level.

Attachments:

- 1. Location Map
- 2. Two (2) Original Supplement No. 1

Recommended By:	Bug Beamle	10/10/08
	Department Director	Date '
Approved By:	Ach	10/22/08
	Assistant County Administrator	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	<u>(\$156,473.00)</u> 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0				
NET FISCAL IMPACT	<u>(\$156,473.00)</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 <u>4011</u> Dep	t <u>721</u> Ur	nit <u>W006</u>	Object <u>65</u>	<u>41</u>			
Is Item Included in Curren	C	es <u>X</u> orting Cate	No gory <u>N/A</u>					
B. Recommended Sc	ources of Funds/S	ummary o	f Fiscal Im	pact:				
Reduction of engine	eering fees in the a	mount of \$	156,473 fro	om \$391,198 t	to \$234,725.			
C. Department Fiscal Review:								
III. <u>REVIEW COMMENTS</u>								
A. OFMB Fiscal and/or Contract Development and Control Comments:								

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aturll an 10/15/08

Β. Legal Sufficiency: u SI Assistant & hty Attorne

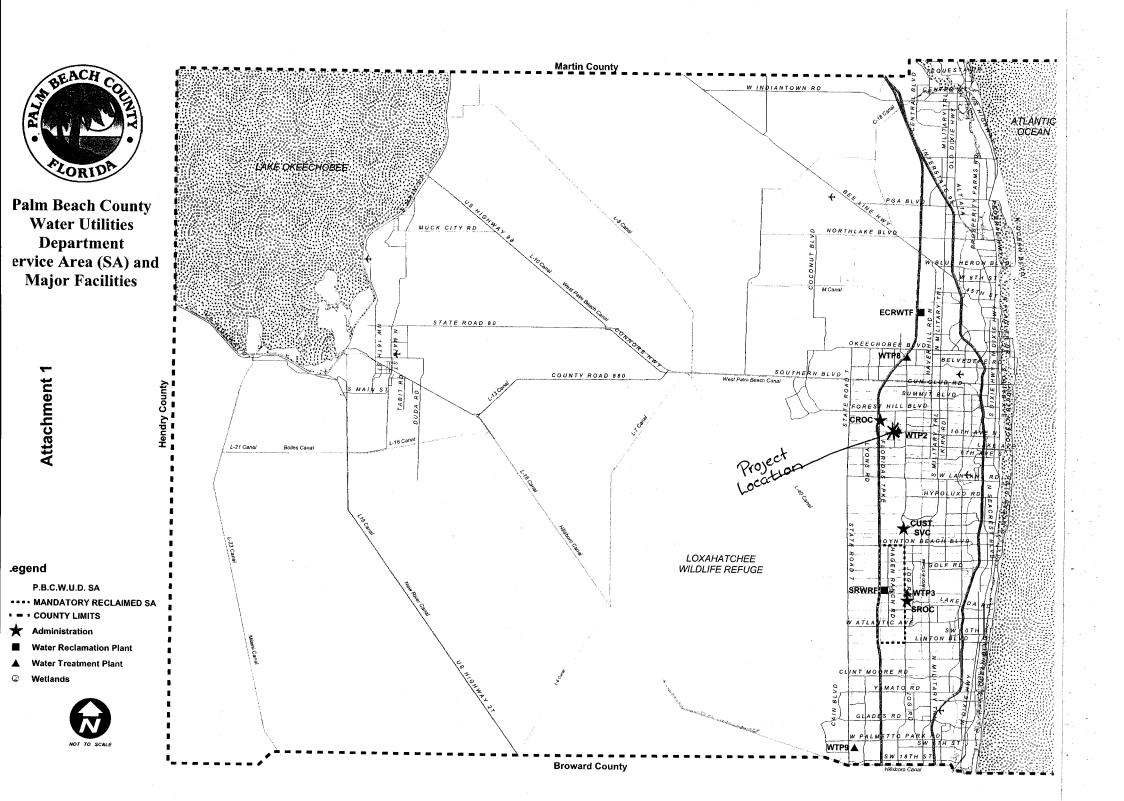
C. Other Department Review:

Department Director

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

Contract Developm ar 10 L

This item complies with current County policies.



SUPPLEMENT NO. 1 TO AUTHORIZATION NO. 20

CONSULTANT SERVICES AUTHORIZATION

Project No. WUD 07-134 Budget Line Item No. 4011-721-W006-6541

Project Title: Water Treatment Plant No. 2 – Preliminary Design, Final Design, Bidding and Permitting Services – Scope Reduction

District No.: 2

THIS SUPPLEMENT No. 1 TO AUTHORIZATION No. 20, to the Contract for Consulting/Professional Services dated April 19, 2005 with an effective date of June 1, 2005 (Resolution/Document R-2005-0774), by and between Palm Beach County and the Consultant identified herein, is for the Consultant Services described in Item 3 of this Authorization. The Contract provides for 20.00% SBE participation overall. This Consultant Services Authorization includes 0% SBE participation. The cumulative SBE participation, including this authorization is 21.62% overall. Additional authorizations will be utilized to meet or exceed the stated overall participation goal.

- 1. CONSULTANT: Camp Dresser & McKee Inc.
- 2. ADDRESS: 1601 Belvedere Rd., Suite 211 S., West Palm Beach, Florida 33406
- 3. Description of Services to be provided by the Consultant:

Water Treatment Plant No. 2 – Preliminary Design, Final Design, Bidding and Permitting Services, as more fully described in EXHIBIT "A".

4. Services completed by the Consultant to date:

See Exhibits "B" and "C".

- 5. Consultant shall begin work promptly on the requested services.
- 6. The compensation to be paid to the Consultant for providing the requested services shall be:
 - A. Computation of time charges plus expenses, not to exceed <u>N/A.</u>
 - B. Fixed price of (<u>\$156,473</u>).
- 7. This Authorization may be terminated by the County without cause or prior notice. In the event of termination not the fault of the Consultant, the Consultant shall be compensated for all services performed through the date of termination, together with reimbursable expenses (if applicable) then due.

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PROJECT NO.: WUD 07-134

AUTHORIZATION NO. 20

Budget Line Item No. 4011-721-W006-6541

8. EXCEPT AS HEREBY AMENDED, CHANGED OR MODIFIED, all other terms, conditions and obligations of the Contract dated April 19, 2005 with an effective date of June 1, 2005 remain in full force and effect.

IN WITNESS WHEREOF, this Authorization is accepted, subject to the terms, conditions and obligations of the aforementioned Contract.

CONSULTANT:

PALM BEACH COUNTY

A POLITICAL SUBDIVISION OF THE STATE OF FLORIDA BOARD OF COUNTY COMMISSIONERS OF PALM BEACH COUNTY, FLORIDA

FIRM: Camp Dresser & McKee Inc.						
Signed:						
Typed Name: Donald G. Munksgaard, P.E.						

 Senior Vice President

 Date:
 B/1/08

ATTEST:

(Signed)

Addie Greene, Chairperson , Chair ATTEST:

Ponty

Sharon Bock, Clerk & Comptroller The Circuit Court

(Deputy Clerk)

APPROVED AS TO FORM AND LEGAL SUFFICIENCY:

(County Attorney)

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EXHIBIT A

SCOPE OF SERVICES

NEW SPENT BACKWASH WATER RECOVERY SYSTEM AND SPENT LIME SLUDGE HANDLING FACILITY AT WATER TREATMENT PLANT NO. 2 PRELIMINARY DESIGN, FINAL DESIGN, BIDDING AND PERMITTING SCOPE REDUCTION

SUPPLEMENT NO. 1 TO AUTHORIZATION NO. 20

WUD 07-134

INTRODUCTION

Palm Beach County Water Utilities Department (PBCWUD) entered into an agreement entitled Contract for Engineering/Professional Services - Palm Beach County Water Utilities Department Project No. WUD 07-134 (PROJECT) with Camp Dresser & McKee Inc. (ENGINEER) to provide engineering services for Preliminary Design, Final Design, Bidding and Permitting for a New Spent Backwash Water Recovery System and Spent Lime Sludge Handling Facility at Water Treatment Plant No. 2.

BACKGROUND

The ENGINEER completed the PROJECT through the 60 % completion level, at which time the PBCWUD directed the ENGINEER to stop work.

SCOPE OF SERVICES

The following section provides a summary of the five tasks previously authorized and their current status. The ENGINEER will not perform the engineering Scope of Services for work remaining as described herein.

Task 1.0 - Kickoff Meeting

This task provides for ENGINEER's preparation for and participation in a Kickoff Meeting, as well as identification of required data needs, compilation of available data and existing drawings, identification of any additional survey and geotechnical needs required for to final design and any site-specific studies to support the required data request.

Deliverables - Meeting minutes.

Status - Complete.

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Task 2.0 - Preliminary Design of Spent Backwash Water Recovery System and Spent Lime Sludge Handling Facility

This task provides for ENGINEER's preparation of geotechnical investigations (subtask 2.1), topographic surveys (subtask 2.2), preliminary site plan submittal (subtask 2.3) and the preliminary design report (subtask 2.4).

Deliverables - Geotechnical report, topographic survey, draft and final preliminary site plan, and draft and final preliminary design report.

Status - Complete. In addition to the original scope of services and at the request of the PBCWUD, an additional boundary and topographic survey was conducted for Parcel 2 to the north of the WTP No. 2 site to identify the location of the water storage tank.

Task 3.0 - Preparation of Contract Documents

This task provides for ENGINEER's preparation of drawings and specifications at the 60%, 90%, and 100% completion levels (subtask 3.1), conducting formal reviews of the contract documents (subtasks 3.2 and 3.3) and development of probable construction costs at the same three completion levels (subtask 3.4). Also included are site plan approval modifications (subtask 3.5). The ENGINEER was directed by PBCWUD to stop all work after the 60% completion level.

Deliverables - Draft submittals of the contract documents at the 60% and 90% completion levels, the probable construction costs at the 60%, 90%, and 100% completion levels, and five hard copy sets of the 100% contract documents and an electronic copy of same on AutoCAD 2007 disk and PDF plot files.

Status - Completed the Contract Drawings, including the probable construction cost, at the 60% completion level. At the request of PBCWUD, CDM submitted ten, half-size sets of final 60% Contract Drawings along with two CDs of the same in AutoCAD and PDF format, respectively.

Task 4.0 - Services during Bidding

This task provides for ENGINEER's services during bidding and includes the distribution of contract documents to interested parties, conducting pre-bid meetings, preparation of addenda, bid evaluation, recommendation for award, and preparation of contract documents for execution by PBCWUD and the selected construction contractor for the Contract.

Deliverables – Prepare and distribute required addenda to plans, specifications, and Contract Documents.

Status – Since the project did not proceed to the bidding phase, this portion of the scope of services was not started.

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Task 5.0 - Permitting

This task provides for ENGINEER's services to prepare permit applications as may be required and related to this Contract.

Deliverables – Prepare and submit to PBCWUD applications for modification to construct water treatment improvements, drainage permit modifications, dewatering permit, and building permit.

Status – Since the project did not proceed to the 90% completion level, this scope of services was not started.

COMPENSATION

Compensation for this Scope Reduction will be a lump sum amount of (\$156,473.00). This amendment effectively reduces the fess previously appropriated.

SBE PARTICIPATION

SBE participation is included in Attachment C under this Authorization.

ATTACHMENT A Budget Summary – Scope Reduction

ATTACHMENT C List of Proposed SBE-M/WBE Prime/Subcontractors

EXHIBIT B Summary and Status of Requests for Authorization

EXHIBIT C Summary of SBE Tracking System

A-3

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ATTACHMENT C

SCHEDULE #1

LIST OF PROPOSED SBE-M/WBE PRIME/SUBCONTRACTORS

		ment Plant No. 2			PROJ	ECT NUMBER	R: WUD 07-13	34
NAME OF PRIME BIDDER: C	amp Dresse	Design, Final Design, I er & McKee Inc. unksgaard	Bidding, and Permitti	ng Services - S - - -	Cope Reduction ADDRESS: PHONE NO. DEPARTMEN	1601 Beleve 561-689-333	edere Rd, Ste. 36 FAX No	211S, WPB, FL 33406 O. <u>561-389-9713</u> ies / Engineering
Name, Address and Telephone			IDENTIFY ALL APP poth Categories)	LICABLE CAT	EGORIES	Do	llar Amount	
Number of Minority Contractor		Minority Business	Small Business	Black	Hispanic	Women	Caucasian	Other (Please Specify)
Hillers Electrical Engineering, Ir 23257 State Rd. 7, Ste 100 Boca Raton, FL 33428 (561) 45		x	X	\$	\$ (37,000.00)		\$	\$
Heller Weaver & Shermeta 3105 E. 1st Street, Suite 4 Delray beach, FL 33483 (561) 2	243-8700		x	\$	\$		\$	\$
				\$	\$	\$-	\$	\$
· · · · · · · · · · · · · · · · · · ·				\$	\$	\$	\$	\$
				\$	\$	\$	\$	\$
PRIME CONTRACTOR TO CO BID PRICE: _\$(156,473.00)	MPLETE:	\$ (119,473.00) Total Value	TOTAL of SBE Participation:	\$ - \$ (37,000.00)	\$ (37,000.00))	\$ -	<u>\$</u> -	\$-

NOTE:

1

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1. The amount listed on this form for a Subcontractor must be supported by price or percentage included on Schedule 2 or a proposal from each Subcontractor listed in order to be counted toward goal attainment.

2. Firms may be certified by Palm Beach County as an SBE and/or an M/WBE. If firms are certified as both an SBE and M/WBE, please indicate the dollar amount under th eappropriate category.3. M/WBE information is being collected for tracking purposes only.

EXHIBIT B

AUTHORIZATION STATUS REPORT

SUPPLEMENT NO. 1 TO AUTHORIZATION NO. 20

SUMMARY AND STATUS OF REQUESTS FOR AUTHORIZATIONS

NO.	DESCRIPTION	STATUS		PROJECT TOTAL AMOUNT		ACTUAL AMOUNT	DATE APPROVED	WUD NO. ASSIGNEE
1	Water Treatment Plant No. 8 Expansion	Approved					6/21/2005	05-146
	Water Treatment Plant No. 8 Expansion -		+ '				0,21,2000	03-140
1.1	Additional Services during Design	Approved	\$	94,952	\$	94,952	7/5/2006	05 146
	Water Treatment Plant No. 8 Expansion -		-	0 1,002	+ •	04,002	110/2000	05-146
1.2	Additional Services during Design	Approved	\$	9,404	\$	9,404	2/12/2007	05 146
2	Alternative Water Supply (Senate Bill 444) Fundraising Assistance for the LRWTP and the Century Village North Reclaimed Water					3,404	2/12/2007	05-146
	Facility and Pipeline Project	Approved	\$	36,984	\$	36,984	10/12/2005	05-220
2.1	Grant Funding Assistance for the Lake	-						
2.1	Region Water Treatment Plant	Approved	\$	49,850	\$	49,850	11/9/2005	05-220
3	Water Treatment Plant No. 2 Engineering Services	Approved	\$	9,963	\$	9,963	10/5/2005	05-219
	Lake Region Water Treatment Plant -							
4	Services During Construction	Approved	\$	460,900	\$	460,900	11/1/2005	06-015
5	Technical Assistance and Grant Funding Support for Water Supply Projects	Approved	\$	24,848	\$	24,848	1/25/2006	06-024
	Water Treatment Plant Nos. 2, 8 & 9						1/20/2000	00-024
	Modifications – Additional Limited				-			
6	Construction Services	Approved	\$	38,642	\$	38,642	12/14/2005	01-182B
	Water Treatment Plant Nos. 3, 8 & Lake	, pprotod	Ψ	00,042	Ψ	00,042	12/14/2005	01-102D
7	Region Ground Storage Tank Addition	Approved	\$	40,018	\$	40,018	1/25/2006	00.005
8	Technical Assistance, Coordination and Grant Funding Support for FY 2006/2007 Alternative Water Supply and Other Projects		\$	91,972	\$	91,972	3/29/2006	06-025
8.1	Additional Technical Assistance and Coordination for State and Federal Grants	Approved	\$	48,435	\$	48,435	7/12/2007	06-080
8.2	Additional Technical Assistance and Coordination for State and Federal Grants	Approved	\$	24,946	\$	24,946	12/11/2007	06-080
9	Response to WUP RAI #2 for the Southwest Boca Diversion Project Water Treatment Plant No. 8 - Limited	Approved	\$	12,072	\$	12,072	8/1/2006	04-218
10		Approved	\$	218,328	\$	218,328	5/2/2006	05-146
10.1	Services during Construction	Approved	\$	64,608	\$	64,608	12/19/2007	05-146
11	Lake Region Water Treatment Plant - Additional Services During Design - Subsurface Utility Location	Approved	\$	62,951	\$	62,951	7/5/2006	03-169
11.1	Lake Region Water Treatment Plant - Surveying Service	Approved	\$	90,407	\$	90,407	8/9/2006	03-169
11.2	Lake Region Water Treatment Plant - Additional Services during Design	Approved	\$	7,884	\$	7,884	2/12/2007	03-169

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EXHIBIT B

AUTHORIZATION STATUS REPORT

SUPPLEMENT NO. 1 TO AUTHORIZATION NO. 20

SUMMARY AND STATUS OF REQUESTS FOR AUTHORIZATIONS

<u> </u>	Lake Decise Weter T			<u> </u>				
	Lake Region Water Treatment Plant -							1
	Additional Services during Design -							
	Addendum Preparation and Request for							
11.3	Information Response	Approved	\$	25,000	\$	25,000	3/5/2007	03-169
	Lake Region Water Treatment Plant -						0,0,2001	00-103
	Wellfield and Master Meters - Limited						1	
12	Services during Construction	Approved	\$	96,153	\$	96,153	2/14/2007	07-067
	Response to Water Use Permit RAI No. 6,	· · · · · · · · · · · · · · · · · · ·	+*	00,100	+ •	50,100	2/14/2007	07-067
	Evaluation of Surficial Aquifer Water Supply	,						
1	for 10-yr Projected Withdrawals, and							
	Permitting of New Withdrawals for a LPRO						-	
13	Plant at WTP No. 10	Approved	\$	98,952	\$	08.050	7/5/0000	00.440
	Response to Water Use Permit RAI No. 6,	Appioveu	φ	90,902	\$	98,952	7/5/2006	06-143
	Evaluation of Surficial Aquifer Water Supply							
	for 10-yr Projected Withdrawals, and				Í			
	Permitting of New Withdrawals for LPRO							
13.1	Plant at WTP No. 10				-			
10.1		Approved	\$	15,552	\$	15,552	10/19/2007	06-143
	Water Treatment Plant Nos. 3 & 9 –							
4.4	Conversion to LPRO process Engineering							
14	Study	Approved	\$	48,132	\$	48,132	6/30/2006	06-142
	System-wide Wellfield Improvements							
15	Project - Additional Bidding Services	Approved	\$	23,842	\$	23,842	8/1/2006	05-041
	System-wide Wellfield Improvements		1					
15.1	Project Limited Services during Construction	Approved	\$	95,726	\$	95,726	3/14/2007	05-041
	Lime Sludge Study for WTP Nos. 8 and 2							
	and Conceptual Site Plan for WTP No. 2 -					Ĩ		
16	Engineering Study	Approved	\$	46,920	\$	46,920	2/15/2007	07-068
	Lake Region Water Treatment Plant -		<u> </u>		–	,		
17	Additional Services during Construction	Approved	\$	75,176	\$	75,176	2/21/2007	06-015
	Lake Region Water Treatment Plant -		Ť		+	. 0,110		00 010
17.1	Additional Services during Construction	Approved	\$	35,532	\$	35,532	4/14/2008	06-015
	Water Treatment Plant Nos. 2 and 8 Ferric		 ♥		₩	00,002		00-010
18	Chloride Addition	Approved	\$	68,696	\$	68,696	4/18/2007	07-114
		, hhiored	Ψ	00,030	Ψ	00,030	+/10/2007	07-114
	Water Treatment Plant Nos. 2, 3, 8, 9, and							
	Lake Region - Portable sodium Hypochlorite							
19	Onsite Generation System Final Design	Approved	\$	62,364	\$	62,364	5/16/2007	07-115
· · ·	Water Treatment Plant No. 2 Preliminary	Thhioned	φ	02,304	φ	02,304	3/10/2007	07-115
	Design, Final Design, Bidding and							
20	Permitting Services	Approved	¢	201 100	¢	201 100	6/5/0007	07 10 4
	Water Treatment Plant No. 2 Preliminary	Approved	\$	391,198	\$	391,198	6/5/2007	07-134
	Design, Final Design, Bidding and						1	
20.1		Davadia	<i>~</i>	(450.470)				
20.1	Permitting Services - Scope Reduction	Pending	\$	(156,473)				07-134
04	Lake Region Water Treatment Plant Service							
21	Area - Potable Water Distribution Analysis	Approved	\$	179,376	\$	179,376	6/19/2007	03-169
	Water Treatment Plant No. 10 - Disinfection							
22	System Regulatory Compliance Review	Approved	\$	9,953	\$	9,953	7/12/2007	07-146

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EXHIBIT B

AUTHORIZATION STATUS REPORT

SUPPLEMENT NO. 1 TO AUTHORIZATION NO. 20

SUMMARY AND STATUS OF REQUESTS FOR AUTHORIZATIONS

23	Water Treatment Plant Nos. 2 and 8 -							
20	Ozone System Evaluation and Letter Report	Approved	\$	45,384	\$	45,384	7/23/2007	07-171
	2065 Prairie Road Site - Technical Support							
	for Compliance with Remediation							
24	Agreement	Approved	\$	18,773	\$	18,773	8/20/2007	07-185
	Lake Region Water Treatment Plant -				<u> </u>		0/20/2001	07-105
	Technical Support for Estimating Rate				[
25	Impacts on Pahokee Customers	Approved	\$	7,500	\$	7,500	4/14/2008	03-169
	Water Treatment Plant No. 9 - Sodium				<u> </u>	.,		00-103
26	Hypochlorite Evaluation	Approved	\$	24,734	\$	24,734	5/1/2008	07-115
	TOTALS		\$3.	453,838	\$3	,610,311		

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EXHIBIT C AUTHORIZATION STATUS REPORT SUPPLEMENT NO. 1 TO AUTHORIZATION NO. 20 SUMMARY OF SBE TRACKING SYSTEM

	T	TOTAL	OPE
Current Proposal			SBE
Volue of Authorization No. (co. ()			
Value of Authorization No. (20.1)		\$ (156,473	3)
Value of SBE Letters of Intent		\$ (37,000))
Actual Percentage		23.64%	6
Signed Authorizations			
Authorization No. 1	1	954 104	100 744
Authorization No. 1.1		854,184	
Authorization No. 1.2		94,952	,
Authorization No. 2	1	9,404	-,
Authorization No. 2.1		36,984	
Authorization No. 3		49,850	
Authorization No. 4		9,963	
Authorization No. 5		460,900	,
Authorization No. 6		24,848	_,
Authorization No. 7		38,642	,
Authorization No. 8		40,018	-,
Authorization No. 8.1		91,972	18,400
Authrization No. 8.2		48,435	-
Authorization No. 9		24,946	
Authorization No. 10		12,072	-
		218,328	84,000
Authorization No. 10.1		64,608	-
Authorization No. 11	1	62,951	-
Authorization No. 11.1		90,407	67,480
Authorization No. 11.2		7,884	6,780
Authorization No. 11.3		25,000	-
Authorization No. 12		96,153	42,000
Authorization No. 13		98,952	-
Authorization No. 13.1		15,552	-
Authorization No. 14	1	48,132	-
Authorization No. 15		23,842	8,000
Authorization No. 15.1		95,726	58,000
Authorization No. 16		46,920	-
Authorization No. 17		75,176	10,000
Authorization No. 17.1		35,532	22,080
Authorization No. 18		68,696	10,000
Authorization No. 19		62,364	-
Authorization No. 20		391,198	89,000
Authorization No. 21		179,376	-
Authorization No. 22		9,953	-
Authorization No. 23		45,384	
Authorization No. 24		18,773	-
Authorization No. 25		7,500	
Authorization No. 26		24,734	10,000
Total Value of Signed Authorizations		3,610,311	783,746
Total Value of SBE Letters of Intent		700 740	
Actual Percentage	\$	783,746	
Actual reicentage		21.70%	
Signed Authorizations Plus Current Proposal		\$3,453,838.00	
Total Value of Authorizations	\$	3,453,838	
Total Value of Subcontracts & Letters of Intent	\$	746,746	
Actual Percentage	ľ	21.62%	•
GOAL		20.00%	
		20.00%	

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Palm Beach County Water Utilities Department ervice Area (SA) and **Major Facilities**

egend

P.B.C.W.U.D. SA

NOT TO SCAL

- • COUNTY LIMITS Administration

D Wetlands

