PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

Meeting Date:	May 1, 2012	[X] Consent [] Ordinance	[] Regular [] Public Hearing
Department:	Department of Eco	nomic Sustainability	

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve:

- A) An increase of \$217,681 in the Water Utilities Department's funding for the Digester Biogas Combined Heat and Power Renewable Energy Project under the Energy Efficiency and Conservation Block Grant (EECBG) received from the Department of Energy (DOE);
- B) A Budget Transfer of \$217,681 from the Competitive Grant Program in the Energy Efficiency and Conservation Block Grant Fund to the WUD Digester Biogas Renewable Energy Project in the Energy Efficiency and Conservation Block Grant Capital Fund; and
- **C)** A Budget Amendment of \$217,681 in the Energy Efficiency and Conservation Block Grant Capital Fund to recognize and appropriate the transfer of funds from the Energy Efficiency and Conservation Block Grant Fund.

Summary: The Water Utilities Department was originally allocated \$1,000,000 for the Digester Biogas Combined Heat and Power Renewable Energy Project at the Southern Region Water Reclamation Facility (SRWRF). The additional \$217,681 became available from another EECBG funded project which was unable to use the funds. These funds will be used for the purchase of a micro turbine to complete the 100% recycling objective at SRWRF by generating power from digester gas. Digester gas is currently being burned in a waste gas flare. The micro turbine will generate mechanical energy which will be converted to electricity for on-site use. <u>These are Federal grant funds which require no local match.</u> (DES Administration) <u>District 5</u> (DW)

Background and Justification: On August 30, 2009, Palm Beach County was awarded \$6,587,600 by DOE under the EECBG. The EECBG is funded through the American Recovery and Reinvestment Act of 2009. WUD is a proactive utility that values improvements that can enhance environmental stewardship. The proposed purchase is intended to: 1) complete the waste reclamation cycle at SRWRF by utilizing 100% of the biogas created at the facility; 2) reduce energy consumption, and thereby energy costs, through the use of on-site power generation and heat recovery from the micro turbine to heat the sludge in the digesters; 3) reduce consumption of grid-supplied electrical power; 4) increase electrical system flexibility; 5) reduce environmental emissions of NOX and CO2; 6) provide an avenue for carbon credit trading; 7) become a model for other utilities to recover and utilize biomass for energy production; and 8) provide an educational opportunity for the public by providing tours of the facility and a kiosk explaining the biogas to energy process.. In order for this project to be duplicated by other utilities, WUD plans to include research and measuring components that will provide evaluation data for continuous research, development, and design criteria.

Attachments:

Budget Transfer
Budget Amendment

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Recommended By:	Department Director	<u>4/9/2<i>0</i>72</u> Date
Approved By:	Shann Of Z.	Histiz
	Assistant County Administrator	// /Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2012	2013	2014	2015	2016
Capital Expenditures	\$217,681				
Operating Costs					
Grant Expenditures	(\$217,681)				
Program Income		<u> </u>			
In-Kind Match (County)					
NET FISCAL IMPACT	-0-				

POSITIONS (Cumulative)	

Is item included in Current Budget? Yes _____ No X____ Budget Account No.:

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

4/3/12

Source of funds is unspent dollars from a closed project. The closed project was funded by a DOE grant.

C. Departmental Fiscal Review:

Shairette Major, Fiscal Manager I

III. REVIEW COMMENTS

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

OFMB

41165Q

Development and Control 2 B. Wheeler

B. Legal Sufficiency:

Senior Assistant County Attorn

C. Other Department Review:

Department Director

12- *0756*

Attachment #

BOARD OF COUNTY COMMISSIONERS PALM BEACH COUNTY, FLORIDA BUDGET TRANSFER

FUND 1541 Energy Efficiency & Col

Page 1 of 1 pages

BGEX 764-032812*1217

Use this form to provide budget for items not anticipated in the budget.

ACCT.NUMBER ACCOUNT NAME	ORIGINAL BUDGET	CURRENT BUDGET	INCREASE	DECREASE	ADJUSTED BUDGET	EXPENDED/ ENCUMBERED AS OF 03/28/2012	REMAINING BALANCE
EXPENDITURES	· · · ·						
820-9100-9378 Tr To تي gy Efficiency Fd 3903	598,459	954,762	217,681		1,172,443	648,970	523,473
764-2108/728-8101 Contributions Other Govtl Agencies	0	406,787	217,681	217,681 217,681	189,106	0	
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Administration INITIATING DEPARTMENT/DIVISION Administration/Budget Department Approval OFMB Department - Posted	Signatures	1. form	Date <u> </u>	J&Y/A		By Board of County O At Meeting of May 1, 2012 Deputy Clerk to the Board of County Con	·



BOARD OF COUNTY COMMISSIONERS

PALM BEACH COUNTY, FLORIDA

BGEX 764-032812*1218 BGRV 764-032812*0499

BUDGET AMENDMENT

FUND 3903 Energy Efficiency & Conservation Block Grant-EECBG-Capital

ACCT.NUMBER	ACCOUNT NAME	ORIGINAL BUDGET	CURRENT BUDGET	INCREASE	DECREASE		EXPENDED/ ENCUMBERED AS OF 03/28/2012	REMAINING BALANCE
<u>REVENUES</u>								•
800-9100-8377	Tr From EECBG Fund 1541	598,459	954,762	217,681	0	1,172,443		
Total Receipts and E	Balances	1,110,913	954,976	217,681	0	1,172,657		
EXPENDITURES								
721-W033-6545	Wastewater Treatment Plant	983,660	866,300	217,681	0	1,083,981	866,300	217,681
Total Appropriation	ns & Expenditures	1,110,913	954,976	217,681	0	1,172,657		
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PARTMENT OF E	CONOMIC SUSTAINABILITY		Signatures &	Dates		By Boa	rd of County Commi At Meeting of:	ssioners
	NG DEPARTMENT/DIVISION	- Edward fr.	honn	4/3/2012			May 1,	2012
Administratio OFM	on/Budget Department Approval /IB Department - Posted	YDra	13/4/11/5	MZ		8 M Board	Deputy Clerk to the l of County Commiss	······
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