Agenda Item #: 31-2

# PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS

#### **AGENDA ITEM SUMMARY**

Meeting Date:	August 13, 2013	[X] Consent [ ] Ordinance	[ ] Regular [ ] Public Hearing
Department:	Department of Econo	omic Sustainability	

#### I. EXECUTIVE BRIEF

#### Motion and Title: Staff recommends motion to approve:

- A) An increase of \$82,000 in the Water Utilities Department's (WUD) 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 \$82,000 from the Energy Efficiency and Conservation Block Grant Revolving Loan 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 \$82,000 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:** To date WUD has been allocated \$1,867,681 for the Digester Biogas Combined Heat and Power Renewable Energy Project at the Southern Region Water Reclamation Facility (SRWRF). These funds will be used to fund equipment and materials for 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 onsite use. **These are Federal grant funds which require no local match.** (DES Administration) District 5 (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 project 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 harmful environmental emissions; 6) become a model for other utilities to recover and utilize biomass for energy production; and 7) provide an educational opportunity for the public by providing tours of the facility and a kiosk explaining the biogas to energy process.

#### **Attachments:**

- 1. Budget Transfer
- 2. Budget Amendment

Recommended	By: Show Harra	7-25-13
	Department Director	Date
Approved By:	Shann R Ly	1/13
	Assistant County Administrator	/ / Date

### II. FISCAL IMPACT ANALYSIS

### A. Five Year Summary of Fiscal Impact:

Fiscal Years	2013	2014	2015	2016	2017
Capital Expenditures	\$82,000				
Operating Costs					
External Revenues	(\$82,000)				
Program Income					
In-Kind Match (County)					,
NET FISCAL IMPACT	-0-				

# ADDITIONAL FTE POSITIONS (Cumulative)	-0-						
Is Item Included In Current Budget? Yes No _X_ Budget Account No.:							

Fund	Dept	Unit	Object

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

Source of funds will be unspent dollars from a revolving loan project that was unable to make timely use of grant funds.

C. Departmental Fiscal Review:

Shairette Major, Fiscal Manager I

#### **III. REVIEW COMMENTS**

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

OFMB

B. Legal Sufficiency:

Assistant County Attorney

C. Other Department Review:

Department Director

#### BOARD OF COUNTY COMMISSIONERS PALM BEACH COUNTY, FLORIDA BUDGET TRANSFER

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At Meeting of

August 13, 2013

Deputy Clerk to the

**Board of County Commissioners** 

FUND 1541 Energy Efficiency & Co

BGEX 143-070313\*1765

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

Administration

INITIATING DEPARTMENT/DIVISION

Administration/Budget Department Approval

**OFMB Department - Posted** 

ACCT.NUMBI	EF ACCOUNT NAME	ORIGINAL BUDGET	CURRENT BUDGET	INCREASE	DECREASE	ADJUSTED BUDGET	EXPENDED/ ENCUMBERED AS OF 07/24/2013	REMAINING BALANCE
EXPENDITUR	<u>es</u>							
820-9100-9378	Tr To Energy Efficiency Fd 3903	523,473	459,911	82,000		541,911	263,208	278,703
143-2109-8201	Contributions Other Govtl Agencies  TOTALS	743,624	231,855	82,000	82,000 82,000	149,855	24,765	125,090
	- Nisotana and American and Ame	Signatures	· · · · · · · · · · · · · · · · · · ·	Date			By Board of County	Commissioners

Of Marie

ATTACHMENT 1

## BOARD OF COUNTY COMMISSIONERS PALM BEACH COUNTY, FLORIDA BUDGET AMENDMENT

BGEX 143-070313\*1766 BGRV 143-070313\*0610

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

ACCT.NUMBER	ACCOUNT NAME	ORIGINAL BUDGET	CURRENT BUDGET	INCREASE	DECREASE	ADJUSTED BUDGET	EXPENDED/ ENCUMBERED AS OF 07/24/2013	REMAINING BALANCE
REVENUES						·		
800-9100-8377	Tr From EECBG Fund 1541	523,473	459,911	82,000	0	541,911		
Total Receipts and l	Balances	523,473	460,124	82,000	0	542,124		
EXPENDITURES								
721-W033-6545	Wastewater Treatment Plant	435,011	459,350	82,000	0	541,350	450,000	91,350
Total Appropriation	ns & Expenditures	523,473	460,124	82,000	0	542,124		
L	CONOMIC SUSTAINABILITY	4	Signatures &			By B	oard of County Commi At Meeting of:	ssioners
Administrati	NG DEPARTMENT/DIVISION on/Budget Department Approval MB Department - Posted	Binis	400222 X	7-25-1		Во	August 13  Deputy Clerk to the ard of County Commiss	the state of the s



ATTACHMENT 2