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CLERK OF THE BOARD
OF COUNTY COMMISSIONERS
MIAMI-DADE COUNTY, FLORIDA

Memorandum

MIAMI-DADE COUNTY

Date: November 3, 2009

Agenda Item No. 9(A)(2)

To: Honorable Chairman Dennis C. Moss and Members, Board of County Commissioners

From: George M. Burgess
County Manager

Resolution No. R-1260-09

Subject: Award of ARRA Energy Efficiency and Conservation Block Grant Project in the Amount of $12,523,700 to Miami-Dade County

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Recommendation

It is recommended that the Board ratify the Mayor or the Mayor's designee's action in applying for American Recovery and Reinvestment Act (ARRA) Energy Efficiency and Conservation Block Grant Program (EECBG) formula grant funds in the amount of $12,523,700 available through a national solicitation of the U.S. Department of Energy (DOE). In addition, it is recommended that the Board authorize the Mayor or the Mayor's designee to receive and expend grant funds, and to execute such contracts, agreements, Memoranda of Understanding (MOU), and amendments, after approval by the County Attorney's Office (CAO), as required by program guidelines.

It is also recommended that the Board authorize the Mayor or the Mayor's designee to apply for, receive and expend additional funds that may become available through this grant program; to file and execute any amendments to the application for and on behalf of the County, and to exercise amendments, modifications, renewal, cancellation, and termination clauses of any contracts and agreements, subject to the approval by the CAO.

Scope

The scope of this application is countywide in nature. The EECBG Program will enable the County to create and implement strategies to: 1) reduce fossil fuel emissions in a manner that is environmentally sustainable; 2) reduce the County's total energy use; and 3) improve energy efficiency in the building, transportation and other appropriate sectors.

Fiscal Impact/Funding Source

This grant will provide $12,523,700 to implement EECBG projects. The program will enable the County to implement a variety of energy efficiency-based projects on behalf of the County, residents, business and industry, and community and faith-based organizations. The grant does not require matching funds.

Track Record/Monitor

The Office of Sustainability (OOS) will implement and manage EECBG activities funded through a grant agreement. The Department will handle the disbursement and expenditure of grant funds, and manage programmatic and fiscal reporting in accordance with ARRA project reporting and auditing procedures stipulated by the DOE.

Background

The EECBG Program is a cross-cutting program established through the ARRA for governments and other entities to create and implement energy efficiency and conservation strategies and projects. The grant period of performance is 36 months (three years). While this is a formula grant, the County was

required to submit an Miami-Dade County's Energy Efficiency Conservation Strategy (EECS) and a list of projects.

The EECS seeks to maximize energy efficiency, demonstrate and evaluate the use of renewable/alternative energy technologies for government operations, as well as encourage and incentivize the larger community to do the same. This integrated strategy combines projects that will: 1) improve the County's ability to manage and reduce energy use across government operations and processes; 2) enable, demonstrate, and evaluate the performance of energy-efficiency/renewable energy retrofits of facilities and other energy consuming government assets; 3) provide targeted community-wide financial assistance and industry-based financial incentives for energy efficiency and renewable energy; and 4) target behavior change community-wide for energy conservation.

The County will strategically leverage available EECBG funds by integrating EECBG activities with County operational and community-wide energy and climate change policy goals as well as existing and planned initiatives of the County; and other government and public, non-profit, and private stakeholders in order to create benefits that sustain beyond the period of investment of grant dollars. Financial leveraging of grant funds is built into many of the proposed activities, especially where the improved energy management and the resulting energy savings could be institutionalized in the organization and the larger community as a self-sustaining process.

The County's EECS identified in the grant application, will support and leverage existing, and future climate, energy, and sustainability policy and planning activities including, but not limited to the following commitments the County has already made:

- Commitment to the *Cool Counties Declaration* for region-wide GHG mitigation targets (80 percent by 2050);
- Participation in the Chicago Climate Exchange government fuel emission reduction targets (2007: 7 percent below 2000 levels and 1.5 percent each additional year till 2010);
- A 20 percent electricity reduction goal (2007-2014);
- The Sustainable Buildings Ordinance specifies minimum level of green certification for newly constructed or renovated County facilities (passed in 2007);
- Updated State of Florida climate change and energy-efficiency land use policies (passed in 2008);
- Selection and participation in ICLEI's Sustainability Planning Toolkit pilot program based on New York City's plaNYC (2009-10), for which the end result will be a comprehensive sustainability plan (broader than a climate change action plan);
- Integration of sustainability, climate and energy into the Evaluation and Appraisal Reporting (EAR) process of the MDC's update to its Comprehensive Development Planning Process (2009-2010);
- Strategic partnership with the City of Miami in its grant application to the Southeast Energy Efficiency Alliance for the creation of the Miami Energy Alliance to be modeled after the Cambridge Energy Alliance (2009);
- Resolution for evaluating the County's potential to join the LED City Partnership for the implementation of an outdoor LED lighting pilot (2009); and
- Implementation of a CO_2 Reduction Plan (1993-2005) and ongoing updates to the GHG emissions baseline determination and monitoring throughout.

The County will implement the following 14 EECBG Project Activities:

1. Enterprise-wide and Facility-Based Energy Management Systems Upgrade and Coordination;
2. MDC Community-wide Energy Efficiency Campaign;
3. Energy-Efficiency Re-granting Program to Community and Faith-based institutions;
4. Development of Sustainable Capital Improvement Procedures and Guidelines;
5. Methane Sequestration from Landfill and Digesters to Power Operations of Facilities (WASD);
6. Energy-Efficiency + Sustainable Buildings Evaluation of Building Codes and Permitting Processes;
7. Urban Wind Energy Harvesting Demonstration and Pilot Project;
8. MDC Libraries Cool Roof Retrofit Demonstration Project;
9. MDC Libraries Daylight Harvesting Demonstration Project;
10. Pilot Desktop Virtualization Project (Thin Clients) Pilot introduction of the use of energy saving "thin-client" virtual desktops;
11. Energy Efficient Lighting on "Green Roadway" Demonstration Project;
12. Solar Power Systems Demonstration for Powering of Three County Park Buildings;
13. Sustainable Technologies Demonstration Program; and
14. MDC Targeted Industry Energy-Efficiency Revolving Loan Fund (SFPRC)

The short turnaround time imposed by the application deadline did not allow sufficient time for the processing of the resolution for Board consideration prior to submission of the application package. However, the Board was kept apprised on our efforts in the monthly ARRA reports and a separate EECBG report dated June 30, 2009.

Susanne M. Torriente
Director, Office of Sustainability

MEMORANDUM

(Revised)

TO: Honorable Chairman Dennis C. Moss and Members, Board of County Commissioners

DATE: November 3, 2009

FROM: R. A. Cuevas, Jr. County Attorney

SUBJECT: Agenda Item No. 9(A)(2)

Please note any items checked.

_____ **"3-Day Rule" for committees applicable if raised**

_____ **6 weeks required between first reading and public hearing**

_____ **4 weeks notification to municipal officials required prior to public hearing**

_____ **Decreases revenues or increases expenditures without balancing budget**

_____ **Budget required**

_____ **Statement of fiscal impact required**

_____ **Ordinance creating a new board requires detailed County Manager's report for public hearing**

_____ **No committee review**

_____ **Applicable legislation requires more than a majority vote (i.e., 2/3's ____, 3/5's ____, unanimous _____) to approve**

_____ **Current information regarding funding source, index code and available balance, and available capacity (if debt is contemplated) required**

Approved _____ Mayor

Veto _____

Override _____

Agenda Item No. 9(A)(2)

11-3-09

RESOLUTION NO. **R-1260-09**

RESOLUTION RATIFYING THE MAYOR OR THE MAYOR'S DESIGNEE'S ACTION IN APPLYING FOR RECOVERY ACT (ARRA) UNITED STATES DEPARTMENT OF ENERGY, ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT PROGRAM (EECBG) FUNDS IN THE AMOUNT OF $12,523,700; AUTHORIZING THE MAYOR OR THE MAYOR'S DESIGNEE TO RECEIVE, EXPEND, AND EXECUTE SUCH CONTRACTS, AGREEMENTS, AND MEMORANDA OF UNDERSTANDING, AND AMENDMENTS AFTER APPROVAL BY THE COUNTY ATTORNEY; AUTHORIZING THE MAYOR OR THE MAYOR'S DESIGNEE TO APPLY FOR, RECEIVE AND EXPEND ADDITIONAL FUNDS THAT MAY BECOME AVAILABLE

WHEREAS, this Board desires to accomplish the purposes outlined in the accompanying memorandum, a copy of which is incorporated herein by reference,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA, that this Board hereby ratifies the Mayor or the Mayor's designee's action in applying for Recovery Act (ARRA) United States Department of Energy, Energy Efficiency and Conservation Block Grant program (EECBG) funds in the amount of $12,523,700; authorizing the Mayor or the Mayor's designee to receive and expend grant funds, and execute such contracts, agreements, Memoranda of Understanding (MOU), and amendments, after approval by the County Attorney, as required by grant guidelines, and hereby authorizes the Mayor or the Mayor's designee to apply for, receive, and expend additional funds that may become available and; to file and execute any amendments to the application; and to exercise and execute any amendments, modifications, renewal, cancellation, and termination clauses of any contracts and agreements in any such applications, subject to the approval by the County Attorney's Office.

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The foregoing resolution was offered by Commissioner **Dorrin D. Rolle**, who moved its adoption. The motion was seconded by Commissioner **Katy Sorenson** and upon being put to a vote, the vote was as follows:

Dennis C. Moss, Chairman **aye**
Jose "Pepe" Diaz, Vice-Chairman **aye**

Bruno A. Barreiro	**aye**	Audrey M. Edmonson	**aye**
Carlos A. Gimenez	**aye**	Sally A. Heyman	**aye**
Barbara J. Jordan	**aye**	Joe A. Martinez	**aye**
Dorrin D. Rolle	**aye**	Natacha Seijas	**aye**
Katy Sorenson	**aye**	Rebeca Sosa	**aye**
Sen. Javier D. Souto	**absent**		

The Chairperson thereupon declared the resolution duly passed and adopted this 3rd day of November, 2009. This resolution shall become effective ten (10) days after the date of its adoption unless vetoed by the Mayor, and if vetoed, shall become effective only upon an override by this Board.

MIAMI-DADE COUNTY, FLORIDA
BY ITS BOARD OF
COUNTY COMMISSIONERS

HARVEY RUVIN, CLERK

By: **DIANE COLLINS**
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency.

PST

Peter S. Tell

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