

Memorandum



Date: June 2, 2009

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

Agenda Item No. 3(B)(1)(B)

From: George M. Burgess
County Manager

Subject: Resolution Ratifying Submission of a Grant Application to the National Oceanic and Atmospheric Administration (NOAA) in the Amount of \$1,967,093 for Marine Habitat Creation in the Coastal Waters of Miami-Dade County

Recommendation

It is recommended that the Board adopt the attached resolution ratifying the submission of a grant application to the NOAA in the amount of \$1,967,093 for the creation of benthic marine habitat in the coastal waters of Miami-Dade County (Attachment A) from funds that may be available through the American Recovery and Reinvestment Act.

Scope

The habitat creation will occur in the nearshore regions off Commission Districts 5 and 7. The areas are jurisdictional waters of the state, and serve recreational and commercial interests of County residents, businesses and visitors. The project impact is countywide.

Fiscal Impact/Funding Source

If awarded, the grant will contribute \$1,967,093 toward the estimated total project cost of \$2,049,103 from funds that may be available through the American Recovery and Reinvestment Act. The voluntary match of \$82,010 is available from the Biscayne Bay Environmental Enhancement Trust Fund, from the Building Better Communities General Obligation Bond Program and from in-kind services.

Track Record/Monitor

The Director of the Department of Environmental Resources Management will monitor this grant.

Background

Miami-Dade County's natural and artificial reef resources provide much environmental and economic benefit to the County. For example, the related recreational activities such as boating, fishing and diving in Miami-Dade County had an economic impact estimated at \$1.297 billion in 2000-2001.

The creation of new habitat through placement of artificial reefs will enhance the coastal benthic habitats and tourism by providing additional recreational opportunities and support for tourism-related businesses. Through the "American Recovery and Reinvestment Act of 2009," funding was appropriated to the National Oceanic and Atmospheric Administration for 'shovel-ready' habitat restoration and enhancement projects. This project will provide for creation and enhancement of benthic habitat, serve to benefit the marine construction industry, and enhance the diving and fishing opportunities and businesses within the County.

Assistant County Manager



MEMORANDUM

(Revised)

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

DATE: June 2, 2009

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

SUBJECT: Agenda Item No. 3(B)(1)(B)

Please note any items checked.

- "4-Day Rule" ("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
- Bid waiver requiring County Mayor's written recommendation
- Ordinance creating a new board requires detailed County Manager's report for public hearing
- Housekeeping item (no policy decision required)
- No committee review

Approved _____ Mayor
Veto _____
Override _____

Agenda Item No. 3(B)(1)(B)
6-2-09

RESOLUTION NO. _____

RESOLUTION RATIFYING SUBMISSION OF A GRANT APPLICATION TO THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION IN THE AMOUNT OF \$1,967,093 FOR MARINE HABITAT CREATION IN THE COASTAL WATERS OF MIAMI-DADE COUNTY; AUTHORIZING THE MAYOR OR THE MAYOR'S DESIGNEE TO RECEIVE AND EXPEND GRANT FUNDS; AUTHORIZING THE MAYOR OR THE MAYOR'S DESIGNEE TO APPLY FOR ADDITIONAL GRANT FUNDS; AUTHORIZING THE MAYOR OR THE MAYOR'S DESIGNEE TO EXERCISE AND EXECUTE APPLICATIONS, CONTRACTS, AGREEMENTS, MEMORANDA OF UNDERSTANDING, AMENDMENTS, MODIFICATIONS, TERMINATION AND CANCELLATION CLAUSES, AFTER APPROVAL BY COUNTY ATTORNEY'S OFFICE

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 submission by the Mayor or the Mayor's designee of an application for a grant from the National Oceanic and Atmospheric Administration in the amount of \$1,967,093 toward the total project cost of \$2,049,103 for marine habitat creation in the coastal waters of Miami-Dade County; authorizes the Mayor or the Mayor's designee to receive and expend such grant funds, execute such contracts, agreements, memoranda of understanding, and amendments thereto which may be required by such grant for and on behalf of Miami-Dade County, after approval by the County Attorney's Office; authorizes the Mayor or the Mayor's designee to apply for, receive, and expend any additional grant funds which may become available to Miami-Dade County from the National Oceanic and Atmospheric Administration for marine habitat creation in waters of Miami-Dade County; and authorizes the Mayor or the Mayor's designee to exercise and

execute any amendments, modifications, renewal and extension provisions, cancellation clauses, and termination clauses in any such applications, contracts, agreements, and memoranda of understanding, after approval by the County Attorney's Office.

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

- | | |
|----------------------|---------------------------------|
| | Dennis C. Moss, Chairman |
| | Jose "Pepe" Diaz, Vice-Chairman |
| Bruno A. Barreiro | Audrey M. Edmonson |
| Carlos A. Gimenez | Sally A. Heyman |
| Barbara J. Jordan | Joe A. Martinez |
| Dorin D. Rolle | Natacha Seijas |
| Katy Sorenson | Rebeca Sosa |
| Sen. Javier D. Souto | |

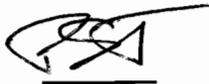
The Chairperson thereupon declared the resolution duly passed and adopted this 2nd day of June, 2009. This resolution shall become effective ten (10) days after the date of its adoption unless vetoed by the Mayor, and if vetoed, shall become effective only upon an override by this Board.

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

HARVEY RUVIN, CLERK

By: _____
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency.



Peter S. Tell

Attachment A



Grant Application Package

Opportunity Title:	Coastal and Marine Habitat Restoration Project Grants -
Offering Agency:	National Oceanic and Atmospheric Administration
CFDA Number:	11.463
CFDA Description:	Habitat Conservation
Opportunity Number:	NOAA-NMFS-HCPO-2009-2001709
Competition ID:	2141924
Opportunity Open Date:	03/06/2009
Opportunity Close Date:	04/06/2009
Agency Contact:	Craig Woolcott or Melanie Gange at (301) 713-0174, or by e-mail at Craig.Woolcott@noaa.gov or Melanie.Gange@noaa.gov. Prospective applicants are invited to contact NOAA staff before submitting an application to discuss

This electronic grants application is intended to be used to apply for the specific Federal funding opportunity referenced here.

If the Federal funding opportunity listed is not the opportunity for which you want to apply, close this application package by clicking on the "Cancel" button at the top of this screen. You will then need to locate the correct Federal funding opportunity, download its application and then apply.

This opportunity is only open to organizations, applicants who are submitting grant applications on behalf of a company, state, local or tribal government, academia, or other type of organization.

* Application Filing Name: Marine Habitat Creation and Enhancement

Mandatory Documents

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Move Form to Complete

Move Form to Delete

Mandatory Documents for Submission

Application for Federal Assistance (SF-424)
Project Narrative Attachment Form
Budget Narrative Attachment Form
CD511 Form
Assurances for Non-Construction Programs (SF-42)
Budget Information for Non-Construction Program.

Optional Documents

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Move Form to Submission List

Move Form to Delete

Optional Documents for Submission

Other Attachments Form
Disclosure of Lobbying Activities (SF-LLL)

Instructions

- 1** Enter a name for the application in the Application Filing Name field.
 - This application can be completed in its entirety offline; however, you will need to login to the Grants.gov website during the submission process.
 - You can save your application at any time by clicking the "Save" button at the top of your screen.
 - The "Save & Submit" button will not be functional until all required data fields in the application are completed and you clicked on the "Check Package for Errors" button and confirmed all data required data fields are completed.
- 2** Open and complete all of the documents listed in the "Mandatory Documents" box. Complete the SF-424 form first.
 - It is recommended that the SF-424 form be the first form completed for the application package. Data entered on the SF-424 will populate data fields in other mandatory and optional forms and the user cannot enter data in these fields.
 - The forms listed in the "Mandatory Documents" box and "Optional Documents" may be predefined forms, such as SF-424, forms where a document needs to be attached, such as the Project Narrative or a combination of both. "Mandatory Documents" are required for this application. "Optional Documents" can be used to provide additional support for this application or may be required for specific types of grant activity. Reference the application package instructions for more information regarding "Optional Documents".
 - To open and complete a form, simply click on the form's name to select the item and then click on the => button. This will move the document to the appropriate "Documents for Submission" box and the form will be automatically added to your application package. To view the form, scroll down the screen or select the form name and click on the "Open Form" button to begin completing the required data fields. To remove a form/document from the "Documents for Submission" box, click the document name to select it, and then click the <= button. This will return the form/document to the "Mandatory Documents" or "Optional Documents" box.
 - All documents listed in the "Mandatory Documents" box must be moved to the "Mandatory Documents for Submission" box. When you open a required form, the fields which must be completed are highlighted in yellow with a red border. Optional fields and completed fields are displayed in white. If you enter invalid or incomplete information in a field, you will receive an error message.
- 3** Click the "Save & Submit" button to submit your application to Grants.gov.
 - Once you have properly completed all required documents and attached any required or optional documentation, save the completed application by clicking on the "Save" button.
 - Click on the "Check Package for Errors" button to ensure that you have completed all required data fields. Correct any errors or if none are found, save the application package.
 - The "Save & Submit" button will become active; click on the "Save & Submit" button to begin the application submission process.
 - You will be taken to the applicant login page to enter your Grants.gov username and password. Follow all onscreen instructions for submission.

Application for Federal Assistance SF-424 Version 02

* 1. Type of Submission: <input type="checkbox"/> Preapplication <input checked="" type="checkbox"/> Application <input type="checkbox"/> Changed/Corrected Application	* 2. Type of Application: <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision	* If Revision, select appropriate letter(s): <input type="text"/> * Other (Specify) <input type="text"/>
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* 3. Date Received: <input type="text"/> Completed by Grants.gov upon submission.	4. Applicant Identifier: <input type="text"/>
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5a. Federal Entity Identifier: <input type="text"/>	* 5b. Federal Award Identifier: <input type="text"/>
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State Use Only:

6. Date Received by State: <input type="text"/>	7. State Application Identifier: <input type="text"/>
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8. APPLICANT INFORMATION:

* a. Legal Name: <input type="text" value="Miami-Dade County"/>
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* b. Employer/Taxpayer Identification Number (EIN/TIN): <input type="text" value="596000573"/>	* c. Organizational DUNS: <input type="text" value="169732646"/>
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d. Address:

* Street1:	<input type="text" value="111 NW 1st Street, 29th Floor"/>
Street2:	<input type="text"/>
* City:	<input type="text" value="Miami"/>
County:	<input type="text"/>
* State:	<input type="text" value="FL: Florida"/>
Province:	<input type="text"/>
* Country:	<input type="text" value="USA: UNITED STATES"/>
* Zip / Postal Code:	<input type="text" value="33128-1994"/>

e. Organizational Unit:

Department Name: <input type="text" value="Environmental Resources Mgmt"/>	Division Name: <input type="text" value="Ecosystem Restoration&Planning"/>
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f. Name and contact information of person to be contacted on matters involving this application:

Prefix:	<input type="text" value="Mr."/>	* First Name:	<input type="text" value="Steve"/>
Middle Name:	<input type="text"/>		
* Last Name:	<input type="text" value="Blair"/>		
Suffix:	<input type="text"/>		

Title: <input type="text" value="Chief, Restoration & Enhancement"/>

Organizational Affiliation: <input type="text" value="Miami-Dade County Department of Environmental Resources Mgmt"/>

* Telephone Number: <input type="text" value="(305) 372-6853"/>	Fax Number: <input type="text" value="305-372-6659"/>
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* Email: <input type="text" value="BlairS@miamidade.gov"/>

Application for Federal Assistance SF-424

Version 02

9. Type of Applicant 1: Select Applicant Type:

B: County Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

*** 10. Name of Federal Agency:**

National Oceanic and Atmospheric Administration

11. Catalog of Federal Domestic Assistance Number:

11.463

CFDA Title:

Habitat Conservation

*** 12. Funding Opportunity Number:**

NOAA-NMFS-HCPO-2009-2001709

* Title:

Coastal and Marine Habitat Restoration Project Grants - Recovery Act

13. Competition Identification Number:

2141924

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

Offshore sites in Miami-Beach and Key Biscayne in Miami-Dade County

*** 15. Descriptive Title of Applicant's Project:**

Miami-Dade County Coastal Marine Habitat Creation and Enhancement

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

Application for Federal Assistance SF-424

Version 02

16. Congressional Districts Of:

* a. Applicant

* b. Program/Project

Attach an additional list of Program/Project Congressional Districts if needed.

17. Proposed Project:

* a. Start Date:

* b. End Date:

18. Estimated Funding (\$):

* a. Federal	<input type="text" value="1,967,093.00"/>
* b. Applicant	<input type="text" value="82,010.00"/>
* c. State	<input type="text" value="0.00"/>
* d. Local	<input type="text" value="0.00"/>
* e. Other	<input type="text" value="0.00"/>
* f. Program Income	<input type="text" value="0.00"/>
* g. TOTAL	<input type="text" value="2,049,103.00"/>

* 19. Is Application Subject to Review By State Under Executive Order 12372 Process?

- a. This application was made available to the State under the Executive Order 12372 Process for review on
- b. Program is subject to E.O. 12372 but has not been selected by the State for review.
- c. Program is not covered by E.O. 12372.

* 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes", provide explanation.)

Yes No

21. *By signing this application, I certify (1) to the statements contained in the list of certifications** and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)

** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix: * First Name:

Middle Name:

* Last Name:

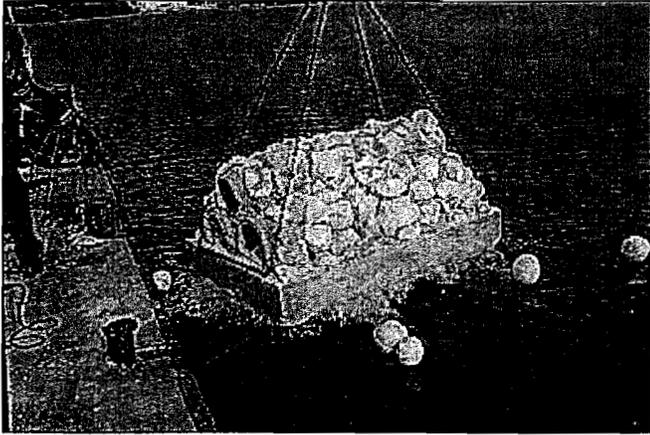
Suffix:

* Title:

* Telephone Number: Fax Number:

* Email:

* Signature of Authorized Representative: * Date Signed:



COASTAL MARINE HABITAT CREATION AND ENHANCEMENT PROJECT

**COASTAL AND MARINE HABITAT RESTORATION
PROJECT GRANTS - RECOVERY ACT
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
CFDA No. 11.463**

**SUBMITTED BY
MIAMI-DADE COUNTY
DEPARTMENT OF ENVIRONMENTAL RESOURCES
MANAGEMENT (DERM)**



APRIL 6, 2009

PROJECT SUMMARY

Application Organization: Miami-Dade County, Department of Environmental Resources Management (DERM)

Project Title: Miami-Dade County Coastal Marine Habitat Creation and Enhancement

Site Location: The artificial reef site located off the coast of Key Biscayne is within the “Key Biscayne Special Management Zone” and is located at 25° 41.821N; 80° 05.252W. The artificial reef site located off the shore of Miami-Beach is within the “Anchorage Reef Site” and is located at 25° 48.785N; 80° 05.358W. Both proposed sites are off Miami-Dade County shores.

Landowner: State of Florida

On-The-Ground Implementation Date: 90-days after execution of the funding agreement.

Numbers and types of jobs created or maintained, and anticipated duration for each: This project involves: construction of engineered reef modules (ERMs); land and sea transportation of the ERM's; deployment of ERMs on the ocean bottom; project management; and success evaluation. Jobs creation & support from this project are: Construction workers, Project Engineers, Heavy Equipment Operators, Tugboat Captain and Crew, Biologists, Inspectors Supervisors and Accountants. Although the hours for each category can't be absolutely calculated, it is anticipated that Construction workers, heavy equipment operators and inspectors will be required minimally for the 180 day length of the contracted portion of the project and the tug and barge captain and crew will have support for 30 days of that period. Job support will be provided to biologists and limited management staff for 60 days during the contract and an additional 45 days beyond, for success evaluation and assessment. Additionally, long term benefits will be realized by tourism related local small businesses in scuba diving charters, fishing charters, and local recreational fishing/boating industries.

Coastal and Marine Habitat Benefits from the Project: The proposed project will directly benefit the coastal and marine environment by creating and enhancing 2,420 m² (0.6 acres) of benthic marine habitat in the nearshore region off Miami-Dade County. These essential and diminishing habitats serve as breeding, feeding, and resting locations for a number of protected, managed and listed species. These habitats are: designated critical habitat for federally listed hard coral species (*Acropora cervicornis*, *Acropora palmata*); important feeding and resting areas for listed sea turtle species (*Caretta caretta*, *Chelonia mydas*, *Dermodochelys coriacea*); and designated Essential Fish Habitat for numerous managed fish species.

Project Scope: Project objectives are to create 850 m² of hardbottom habitat, and enhance a surrounding 1,620 m² (=2,420 m² [0.6 acres] total) of benthic habitat creation and enhancement via the following activities: construction, land and sea transportation and deployment of

engineered reef modules (ERMs) on the ocean bottom; biological assessment and success evaluation and project oversight and management.

Project Outputs/Outcomes: Project outputs include: manufacturing and placing 164 prefabricated ERMs in two designated and permitted artificial reef sites: the “Key Biscayne Special Management Zone” and the “Anchorage Reef Site”; deploying an existing stock-pile of approximately 200 tons of carbonate based materials of opportunity in a location adjacent to one of the proposed reef sites; providing a physical footprint of 810 m² of created hardbottom benthic and fisheries habitat and enhancing an additional 1,620 m², through the synergistic effects of adjacent modules. Anticipated outcomes are: to enhance benthic and fisheries habitat; to provide suitable substrate for colonization and utilization by multiple listed species (*Acropora cervicornis*) and sea turtles (*Caretta caretta*, *Chelonia mydas*, *Dermochelys coriacea*), endolithic and epilithic algae, sponge, soft corals, and hard corals; to provide a spectrum of habitat (from open surfaces of varied texture and complexity, and multiple levels of confined/cryptic areas) to develop and support diverse and complex benthic and fish communities. Requested funds will provide immediate support to local construction and contracting businesses, enhance local tourism, and tourism related businesses. In addition requested personnel costs are intended to assist in retention of jobs required for implementation of the project through the FY 2009-2010.

Project Time Line: This project will be compliant with the ARRA ‘shovel-ready’ timeline. Construction will begin after an estimated 90-day contract bidding process. Construction initiation, deployment initiation, and deployment completion/certification will occur in an estimated 3.5 months (104 days). A biological evaluation of the ARMs will ensue for an additional 1 year period.

TIMELINE	Days	Total Days
Execution of Award Agreement	0	0
Contract Released for Bid	30	30
Contract Notice to Proceed	44	74
Construction initiation	14	88
Deployment initiation	30	118
Deployment Completion/Certification	60	178
ARM Biological Evaluation (6-mos)	180	356
ARM Biological Evaluation (1 year)	180	536

Permits and Approvals: Miami-Dade County has obtained all required Federal, State and local permits necessary for the proposed work (Attachment 1). Construction plans for manufacture and placement of the ARM’s are completed. State of Florida permits, as landowner, authorize work to be conducted on the proposed state-owned off shore sites.

Federal Funds Requested & Non-Federal Match Anticipated: \$1,967,093 is requested. \$82,010 is voluntarily provided as ‘matching’ funds.

Overall Project Cost: \$2,049,103