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

Memorandum

MIAMI-DADE COUNTY

Date: May 18, 2010

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

From: George M. Burgess
County Manager

Agenda Item No. 8(R)(1)(A)

Resolution No. R-571-10

Subject: Resolution Extending the 90-day Review Period for an Unsolicited Proposal to Design and Build On-Site Chlorine Generation and Emergency Generator Systems at two Water Treatment Plants

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RECOMMENDATION

It is recommended that the Board of County Commissioners (Board) adopt the attached resolution authorizing a 60-day extension of the review period to complete the assessment of an unsolicited proposal to design and build on-site chlorine generation and emergency generation systems at the County's John E. Preston and Alexander Orr Jr. Water Treatment Plants. This extension is necessary because of the complexity of the technology, its limited application in water production systems and the safety systems that are required.

SCOPE OF AGENDA ITEM

This agenda item has countywide impact, however the Alexander Orr Jr. Water Treatment Plant located at 6800 SW 87 Avenue is in Commission District 7, Commissioner Carlos Gimenez. The John E. Preston Water Treatment Plant located at 1100 West Second Avenue is in Commission District 13, Commissioner Seijas.

FISCAL IMPACT/FUNDING SOURCE

Extension of the review period has no fiscal impact to the County.

TRACK RECORD/MONITOR

WASD's Assistant Director of Water will oversee and monitor the review process.

BACKGROUND

In order to further enhance the County's water system security, the Miami-Dade Water and Sewer Department is taking steps to install on-site chlorine generation systems at its water treatment plants. Onsite chlorine generation offers several additional security advantages over the current practice of having the product delivered to the County's water treatment plants via road or rail. Onsite generation minimizes any impacts resulting from natural disasters, transportation related incidents, accidents and acts of terrorism that could interrupt chlorine delivery, impact public safety and/or increase insurance rates.

On February 24, 2010, the County, received an unsolicited proposal from Kiewit Southern Co. to expeditiously design, construction, permit, finance, and demonstrate on-site chlorine generation technology and associated emergency generation systems. The "Klorigen Hybrid Systems" specified in the proposal are capable of producing up to 25,000 pounds of chlorine equivalent per day based on a 24/7/365 operation. Staff has been evaluating the proposal and while the technology meets the disinfectant criteria for water treatment plants and has been used in commercial applications, the process is not widely used at water treatment plants.

Consequently, staff requires more time to assess whether the system will be sufficiently reliable to safely generate chlorine on a continuous basis at the volumes needed for water production.

As stipulated in Section 2-8.1(k)(4) of the Miami-Dade County Code, the Water and Sewer Department is requesting an extension of the 90-day review period because the scope of work (noted below) is highly technical and complex, and more detailed analysis is required to complete the review.

Scope of Work

Design: Design services are anticipated to include, but are not limited to the following: civil, structural, mechanical, process, electrical, instrumentation and control, and fire protection disciplines; development/performance of the topographic and geotechnical information, design criteria for each major discipline, and preliminary drawings; preparation of construction documents; design plans, preliminary design reports, design calculations, plans, specifications, and an opinion of probable construction costs.

Construction: Construction related services are anticipated to include, but not limited to scheduling, ongoing interface with WASD operations, outage planning, and contractor oversight; process, mechanical, electrical, instrumentation and control support through the initial commissioning and start-up phases; and installation of two generator sets having a minimum rated standby capacity of 2.0 megawatts.

Assistant County Manager

MEMORANDUM

(Revised)

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

DATE: May 18, 2010

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

SUBJECT: Agenda Item No. 8(R)(1)(A)

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. 8(R)(1)(A)
5-18-10

RESOLUTION NO. **R-571-10**

RESOLUTION AUTHORIZING THE COUNTY MAYOR OR MAYOR'S DESIGNEE A 60-DAY EXTENSION OF TIME TO RECOMMEND FOR PURPOSES OF PUBLICATION ACCEPTANCE OR REJECTION OF THE UNSOLICITED PROPOSAL FOR A DESIGN/BUILD PROJECT OF AN ON-SITE CHLORINE GENERATION AND EMERGENCY GENERATOR SYSTEM AT THE JOHN E. PRESTON AND ALEXANDER ORR JR. WATER TREATMENT PLANTS

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, pursuant to Section 2-8.1(k)(4) of the Code of Miami-Dade County, hereby authorizes the County Mayor or the Mayor's designee a 60-day extension of time up to and including July 23, 2010, to recommend for purposes of publication acceptance or rejection of the unsolicited proposal for the design/build project of an on-site chlorine generation and emergency generator system at the John E. Preston and Alexander Orr Jr. water treatment plants.

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

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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	**absent**
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	**aye**		

The Chairperson thereupon declared the resolution duly passed and adopted this 18th day of May, 2010. 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.

Henry N. Gillman