



**MEMORANDUM**

Agenda Item No. 11(A)(21)

**TO:** Honorable Chairman Joe A. Martinez  
and Members, Board of County Commissioners

**DATE:** July 7, 2011

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

**SUBJECT:** Resolution directing the Mayor to work with the South Florida Regional Planning Council to prepare an application for an electric vehicle (EV) charging station master plan and future funding to the U.S. Department of Energy (DOE) that assesses the feasibility of using locations on Miami-Dade County rights-of-way, including but not limited to the South Dade Bus Corridor and the Metrorail Corridor leading into Downtown Miami, locations in or around Miami-Dade County park facilities, and other public rights-of-way such as the median on State Road 836 between Florida's Turnpike and the Palmetto Expressway

**This item was amended at the Regional Transportation Committee to add language to one of the Whereas provisions to make clear that the County maintains charging stations which are made available free of charge to the public.**

The accompanying resolution was prepared and placed on the agenda at the request of Prime Sponsor Senator Javier D. Souto, and Co-Sponsors Commissioner Sally A. Heyman and Commissioner Xavier L. Suarez.

R. A. Cuevas, Jr.  
County Attorney

RAC/up



# MEMORANDUM

(Revised)

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**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. 11(A)(21)  
7-7-11

RESOLUTION NO. \_\_\_\_\_

RESOLUTION DIRECTING THE MAYOR OR MAYOR'S DESIGNEE TO WORK WITH THE SOUTH FLORIDA REGIONAL PLANNING COUNCIL TO PREPARE AN APPLICATION FOR AN ELECTRIC VEHICLE (EV) CHARGING STATION MASTER PLAN AND FUTURE FUNDING TO THE U.S. DEPARTMENT OF ENERGY (DOE) THAT ASSESSES THE FEASIBILITY OF USING LOCATIONS ON MIAMI-DADE COUNTY RIGHTS-OF-WAY, INCLUDING BUT NOT LIMITED TO THE SOUTH DADE BUS CORRIDOR AND THE METRORAIL CORRIDOR LEADING INTO DOWNTOWN MIAMI, LOCATIONS IN OR AROUND MIAMI-DADE COUNTY PARK FACILITIES, AND OTHER PUBLIC RIGHTS-OF-WAY SUCH AS THE MEDIAN ON STATE ROAD 836 BETWEEN FLORIDA'S TURNPIKE AND THE PALMETTO EXPRESSWAY

**WHEREAS**, the demand for such EV charging stations is expected to significantly grow in the next few years with the production and delivery of several EV models including those from major car manufacturing companies such as the Chevy Volt, Nissan Leaf and Ford Focus; and

**WHEREAS**, having the charging station infrastructure in place for this future demand is seen by industry experts as a major element for the success of EVs. Despite the increased driving ranges of the new generation of EVs, a major obstacle to overcome is the "range anxiety" of drivers; and

**WHEREAS**, the industry of electric vehicle charging stations is a quickly evolving one, with the business model still being shaped. Both the public and private sector have stepped in to provide a network of EV charging stations throughout the US. An element of these facilities is the "level" of electricity offered, with Level I stations full charging a vehicle in 8-12 hours,

Level II in 4-6 hours, and a Level III station in approximately an hour. These various stations are typically located at locations where there is a concentration of vehicles such as parking garages/lots, shopping centers, educational facilities, hotels and major employment sites; and

**WHEREAS**, according to DOE, Florida is ranked #3 behind California and Washington with over 50 existing and planned locations. The majority of these facilities are located in the Central Florida area. In Miami-Dade County, Dadeland North parking garage has several Level I and Level II chargers. Recently, a private company deployed a solar powered EV charging station facility in the Omni area offering Level I and II chargers to the public. The County also maintains some charging stations for its fleet of retrofitted and plug-in hybrids>>, as well as for the public free of charge<<<sup>1</sup>; and

**WHEREAS**, DOE announced on April 19, 2011 a grant of \$5 million to fund electric vehicle infrastructure including charging stations in an effort to spur the deployment of EV facilities through local government and private company collaborations. The grant minimum and maximum awards will be \$250,000 and \$500,000, respectively. Deadline for submission is June 13, 2011; and

**WHEREAS**, the South Florida Regional Planning Council through its role as the South Florida Gold Coast Clean Cities Coalition intends to submit a proposal on behalf of a seven-county region consisting of Monroe, Miami-Dade, Broward, Palm Beach, Martin, St. Lucie and Indian River Counties to DOE requesting funding to prepare an EV charging master plan which will examine deployment issues such as the appropriate locations and equipment for such facilities; and

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<sup>1</sup> Committee amendments are indicated as follows: words stricken through and/or [[double bracketed]] shall be deleted, words underscored and/or >>double arrowed<< constitute the amendment proposed.

WHEREAS, the Miami-Dade Office of Sustainability is working very closely in partnership with the South Florida Regional Planning Council on the development of this grant,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA, that the Mayor or Mayor's designee is directed to work with the South Florida Regional Planning Council to prepare an application for a master plan and/or future funding that assesses the feasibility of using (a) locations on Miami-Dade County rights-of-way, including but not limited to the South Dade Bus Corridor and the Metrorail Corridor leading into downtown Miami, (b) locations in or around Miami-Dade County park facilities, and (c) other public rights-of-way such.

The Prime Sponsor of the foregoing resolution is Senator Javier D. Souto, and the Co-Sponsors are Commissioner Sally A. Heyman and Commissioner Xavier L. Suarez. It 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:

Joe A. Martinez, Chairman	
Audrey M. Edmonson, Vice Chairwoman	
Bruno A. Barreiro	Lynda Bell
Esteban L. Bovo, Jr.	Jose "Pepe" Diaz
Sally A. Heyman	Barbara J. Jordan
Jean Monestime	Dennis C. Moss
Rebeca Sosa	Sen. Javier D. Souto
Xavier L. Suarez	

The Chairperson thereupon declared the resolution duly passed and adopted this 7<sup>th</sup> day of July, 2011. 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.



Alex S. Bokor

6