

1 RESOLUTION NO. 2012-B-40

2
3 A RESOLUTION OF THE BROWARD COUNTY LEAGUE
4 OF CITIES, INC., SUPPORTING MODERNIZATION OF
5 THE FLORIDA POWER & LIGHT (FPL) PORT
6 EVERGLADES CLEAN ENERGY FACILITY;
7 SUPPORTING THE RECOMMENDATIONS OF THE
8 BROWARD WATER RESOURCES TASK FORCE IN
9 REQUESTING THAT FPL SEEK TO ELIMINATE THE USE
10 OF POTABLE WATER FOR NON POTABLE PURPOSES
11 AS PART OF THE FINAL FPL CLEAN ENERGY FACILITY
12 SITE PLAN AND REQUESTING THAT FPL FULLY
13 CONSIDER THE POTENTIAL FOR USE OF ALTERNATIVE
14 WATER SUPPLIES IN THE REDEVELOPMENT,
15 EXPANSION, AND RETROFIT OF ALL FPL ENERGY
16 FACILITIES; DIRECTING STAFF TO WORK WITH FPL TO
17 ADVANCE THE INTEGRATION OF BENEFICIAL REUSE
18 AS PART OF ENERGY FACILITY IMPROVEMENTS;
19 REQUESTING THAT A CERTIFIED COPY OF THIS
20 RESOLUTION BE SENT TO FPL, THE SOUTH FLORIDA
21 WATER MANAGEMENT DISTRICT GOVERNING BOARD,
22 THE BROWARD LEAGUE OF CITIES, THE FLORIDA
23 DEPARTMENT OF ENVIRONMENTAL PROTECTION, AND
24 THE FLORIDA PUBLIC SERVICE COMMISSION; AND
PROVIDING FOR AN EFFECTIVE DATE.

15 WHEREAS, the Broward County League of Cities, Inc. has a long history of support
16 for water resources protections and efficient water resource management for the
17 benefit of the urban water supply dependent natural systems; and

18 WHEREAS, it is well recognized that effective water resource management and
19 conservation efforts constitute one of the greatest challenges confronting South Florida
20 and the Broward community; and

21 WHEREAS, as a community we are faced with complex planning decisions
22 associated with the responsibility to fulfill ever changing and extensive legal and
23 regulatory obligations; and

1 WHEREAS, pursuant to Ocean Outfall legislation adopted by the Florida Legislature
2 in 2008, wastewater utilities must cease use of ocean outfalls for disposal of treated
3 wastewater by 2025 and transfer 60% of actual annual flows to beneficial reuse
4 projects; and

5 WHEREAS, the regional wastewater treatment facilities operated by the City of
6 Hollywood and Broward County's Water and Wastewater Services both utilize ocean
7 outfalls for disposal of treated wastewater, with a combined reuse obligation of 46.5
8 million gallons per day (MGD); and

9 WHEREAS, the obligations of this legislation extend beyond the regional wastewater
10 treatment facilities to each of the Broward municipalities and 50% of the total
11 geographic area of Broward County serviced by these facilities;

12 WHEREAS, the community's ability to meet these mandatory regional obligations
13 will require innovation, investment, and participation across all sectors and
14 stakeholders; and

15 WHEREAS, it is recognized that coordination and partnerships with energy
16 producers offers a unique and valuable opportunity to substantially advance beneficial
17 reuse projects as part of plant operations; and

18 WHEREAS, Florida Power & Light (FPL) is in the midst of an impressive retrofit and
19 upgrade of their energy facility located at Port Everglades; and

20 WHEREAS, the Broward County League of Cities, Inc. appreciates that
21 modernization of this facility from an oil-fired steam generation plant to a gas-fired
22 advanced, combined-cycle technology is expected to achieve notable environmental
23 benefits with an approximate 50% reduction in cooling water demands and an
24 approximate 90% reduction in emissions, with a concomitant reduction in CO₂

1 production of approximately 22 million tons between 2016 and 2047 for FPL's system;
2 and

3 WHEREAS, the Broward County League of Cities, Inc. recognizes that while the
4 environmental benefits to be gained with this plant modernization are significant, there
5 remains a singular and notable opportunity to improve upon the site plan by seeking to
6 eliminate the use of potable water for irrigation and process water through the use of
7 reclaimed water; and

8 WHEREAS, the wastewater facilities operated by the City of Hollywood and the City
9 of Fort Lauderdale have been identified in the FPL site certification application as
10 having the potential to serve as a source of reuse water for the site; and

11 WHEREAS, there is a history of discussion between FPL and local governments
12 regarding reuse opportunities at FPL facilities and the ability to coordinate reuse
13 planning efforts to provide for these projects; and

14 WHEREAS, FPL represents a major business enterprise in Broward County and an
15 important community partner, with the capacity to substantially advance regional water
16 resources objectives and expanded development of beneficial reuse through additional
17 improvements to the site plan for the Port Everglades energy facility; and

18 WHEREAS, the Broward Water Resources Task Force was authorized by the
19 Broward County Board of County Commissioners, the Broward League of Cities and the
20 South Florida Water Management District to work collaboratively to identify and
21 evaluate opportunities and impediments to providing future water supply of appropriate
22 water quality, conservation, wastewater treatment, and reuse or reclaimed water
23 opportunities that are most efficient and cost effective and to make recommendations;

24 and

1 WHEREAS, the Broward Water Resources Task Force represents a cross section of
2 local and regional water management interests and consists of representatives from
3 local governments, Broward County, and the South Florida Water Management District;
4 and

5 WHEREAS, on January 6, 2012 the Broward Water Resources Task Force voiced a
6 strong desire for FPL to review its plans for the Port Everglades energy facility to
7 integrate the maximum potential use of reclaimed water and seek to eliminate the use of
8 potable water for non-potable uses, such as process and irrigation purposes, in the
9 finalization of the site plan in support of regional environmental and water resource
10 goals; and

11 WHEREAS the Task Force further urged FPL to maximize the use of reclaimed
12 water as part of all new energy facilities, expansions and retrofits and to similarly seek
13 to eliminate the use of potable water for all non-potable applications, such as process
14 and irrigation purposes as part of these projects; NOW, THEREFORE,

15 BE IT RESOLVED BY THE BROWARD COUNTY LEAGUE OF CITIES,
16 INC:

17 Section 1. The Broward County League of Cities, Inc. supports modernization
18 of the FPL Port Everglades Clean Energy Center in recognition of the environmental
19 benefits to be gained.

20 Section 2. The Broward County League of Cities, Inc. also supports the
21 recommendations of the Broward Water Resources Task Force in requesting that FPL
22 coordinate with local agencies and governments to maximize the potential use of
23 reclaimed water for process and irrigation purposes so as to eliminate the use of
24 potable water for non-potable uses in the final site plan, and requesting that FPL fully

1 consider the potential for use of alternative water supplies in the development,
2 expansion and retrofit of all FPL energy facilities.

3 Section 3. The Broward County League of Cities, Inc. directs staff to work with
4 FPL in its efforts to advance the integration of beneficial reuse as part of energy facility
5 improvements.

6 Section 4. The Broward County League of Cities, Inc. requests that a certified
7 copy of this resolution be sent to Florida Power & Light, the South Florida Water
8 Management District Governing Board, the Broward County Board of County
9 Commissioners, the Florida Department of Environmental Protection, and the Florida
10 Public Service Commission.

11 Section 5. EFFECTIVE DATE.

12 This Resolution shall become effective upon adoption.

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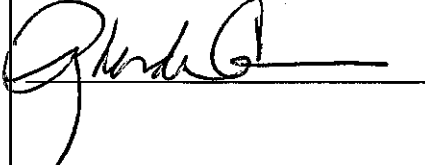
14 ADOPTED this 7th day of June, 2012.


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17 ATTEST:

BROWARD COUNTY LEAGUE OF CITIES, INC.

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By 
Commissioner Bobby B. DuBose, President

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