

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

**A RESOLUTION OF THE MAYOR AND CITY COMMISSION  
OF THE CITY OF MIAMI BEACH, FLORIDA, SUPPORTING  
EFFORTS TO SEEK A COMMITMENT FROM FLORIDA  
POWER & LIGHT TO DISCONTINUE THE USE OF THE  
COOLING CANAL SYSTEM AT THE TURKEY POINT  
NUCLEAR POWER PLANT AS SOON AS POSSIBLE.**

**WHEREAS**, the Florida Power & Light (FPL) Turkey Point Nuclear Power Plant, located in south Miami-Dade County, utilizes a cooling canal system which consists of a network of approximately 5,900 acres of unlined canals; and

**WHEREAS**, FPL's Turkey Point Nuclear Power Plant is the only facility in the world that uses a cooling canal system instead of mechanical draft cooling towers; and

**WHEREAS**, water from this cooling canal system communicates with the surrounding groundwater, and long-term monitoring data has shown that a hypersaline plume of water from the cooling canals has been migrating into and contaminating the groundwater beyond the boundaries of the cooling canals; and

**WHEREAS**, FPL has a license from the federal government to operate the Turkey Point Power Plant units that use the cooling canal system until 2033; and

**WHEREAS**, Miami-Dade County took action to address this issue, including, but not limited to, issuing a Notice of Violation in 2015 to FPL for certain water quality violations in the groundwater and requiring, through an administrative consent agreement, that FPL take certain remedial actions to retract and contain the hypersaline ground water plume; and

**WHEREAS**, at that time, the issues were focused on the westward migration of the hypersaline groundwater plume from the cooling canals; however, more recent water quality sampling has detected levels in excess of water quality standards in certain surface water locations in or connected to Biscayne Bay, adjacent to and east of the cooling canal system; and

**WHEREAS**, on May 11, 2016, the Mayor and City Commission of the City of Miami Beach passed and adopted Resolution No. 2016-29405 regarding FPL's violation of State water quality standards in the operation of its cooling canal system and urged the Florida Department of Environmental Protection to take action to protect the residents of southeast Florida from the hazards of saltwater intrusion into the Biscayne Aquifer and Biscayne National Park; and

**WHEREAS**, the Biscayne Aquifer is an important natural resource which supplies fresh drinking water to millions of South Florida residents and is vital to irrigation and to Florida's marsh and wetland communities; and

**WHEREAS**, the Mayor and City Commission of the City of Miami Beach join Monroe County in seeking a commitment from FPL to discontinue the use of the cooling canal system in favor of a more modern mechanical draft cooling tower system that would remove all future interactions with groundwater and make use of Miami-Dade County's reuse water.

**NOW, THEREFORE, BE IT DULY RESOLVED BY THE MAYOR AND CITY COMMISSION OF THE CITY OF MIAMI BEACH, FLORIDA**, that the Mayor and City Commission hereby support efforts that seek a commitment from FPL to discontinue the use of the cooling canal system at the Turkey Point Nuclear Power Plant as soon as possible.

**PASSED AND ADOPTED** this 22<sup>nd</sup> day of March, 2017.

**ATTEST:**

\_\_\_\_\_  
Philip Levine, Mayor

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Rafael E. Granado, City Clerk

APPROVED AS TO  
FORM & LANGUAGE  
& FOR EXECUTION

Joe A. Gentry for 3/16/17  
City Attorney Date