

**RESOLUTION NO. 043 - 2017**

**A RESOLUTION OF THE BOARD OF COUNTY COMMISSIONERS OF MONROE COUNTY, FLORIDA SUPPORTING EFFORTS TO SEEK A COMMITMENT FROM FLORIDA POWER AND LIGHT TO DISCONTINUE USE OF THE COOLING CANAL SYSTEM AT THE TURKEY POINT NUCLEAR POWER PLANT AS SOON AS POSSIBLE; PROVIDING FOR AN EFFECTIVE DATE.**

**WHEREAS**, The Florida Power and Light 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**, The Florida Power and Light 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**, Miami-Dade County took action to address this issue, including, but not limited to issuing a Notice of Violation in 2015 to Florida Power and Light for certain water quality violations in the groundwater, and requiring, through an administrative consent agreement, the Florida Power and Light 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 ground water plume from the cooling canals, more recent water quality sampling has detected exceedances 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**, this Board, the residents of Monroe County and members of the general public are concerned about these recent discoveries and potential impacts on Card Sound, Biscayne Bay, and the Florida Keys' drinking water supply, and such discoveries serve to highlight the challenges posed by the continued operation of the cooling canal system; and

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

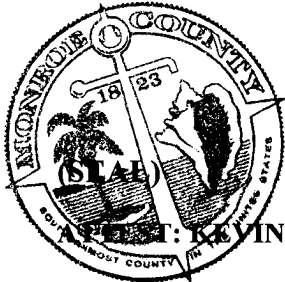
**WHEREAS**, this Board is seeking a commitment from Florida Power and Light to discontinue the use of the cooling canal system in favor of a more modern mechanical draft cooling tower system that would remove all future interactions with ground water and make use of Miami-Dade County's reuse water;

**NOW THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MONROE COUNTY, FLORIDA that:**

1. The Monroe County Board of County Commissioners seeks a commitment from Florida Power and Light to discontinue the use of the cooling canal system at its Turkey Point Nuclear Power Plant, as soon as possible, in favor of mechanical draft cooling towers.
2. This resolution shall take effect upon adoption.

**PASSED AND ADOPTED** by the Board of County Commissioners of Monroe County, Florida, at a regular meeting of said Board held on the 15<sup>th</sup> day of February, 2017.

Mayor George Neugent	<u>Yes</u>
Mayor Pro Tem David Rice	<u>Yes</u>
Commissioner Danny Kolhage	<u>Yes</u>
Commissioner Heather Carruthers	<u>Yes</u>
Commissioner Sylvia Murphy	<u>Yes</u>



CLERK: KEVIN MADOK, Clerk

By: *Samuel Hancock*  
Deputy Clerk

BOARD OF COUNTY COMMISSIONERS OF MONROE COUNTY, FLORIDA

By: *George R. Neugent*  
Mayor

CLK. CIR. CLERK  
MONROE COUNTY, FLA

2017 FEB 22 PM 5:03

FILED FOR RECORD

MONROE COUNTY ATTORNEY  
APPROVED AS TO FORM:  
*[Signature]*  
ROBERT B. SHILLINGER, JR.  
COUNTY ATTORNEY  
Date *2/24/17*  
*New York Link*  
*1/31/17*