

RESOLUTION NO. _____

A RESOLUTION OF THE MAYOR AND CITY COMMISSION OF THE CITY OF MIAMI BEACH, FLORIDA, ACCEPTING THE RECOMMENDATION OF THE SEPTEMBER 22, 2020 LAND USE AND SUSTAINABILITY COMMITTEE, TO IMPLEMENT GENERATORS ON A CASE BY CASE BASIS FOR STORMWATER PUMP STATIONS.

WHEREAS, the City of Miami Beach is committed to its flood mitigation program and to integrating resilience in all aspects of its infrastructure; and

WHEREAS, one of the most important aspects of the flood mitigation program are effective pump stations that properly treat and convey the stormwater, and one of the most important aspects of the program's resilience is the ability to maintain power for these pump stations through shocks and stresses; and

WHEREAS, on Aug 1st, 2017, during Tropical Storm Emily, power outages affected the operations of certain pump stations, including the pump stations located at Sunset Harbour, and as a result of these outages the City experienced significant flooding in parts of the Sunset Harbour neighborhood; and

WHEREAS, this flooding related to Tropical Storm Emily was a catalyst for a City Commission discussion on implementing emergency generators at every stormwater pump station throughout the City; and

WHEREAS, at the September 13, 2017 City Commission meeting, it was resolved that all new stormwater pump stations would require a backup generator; and

WHEREAS, in accordance with the City Commission's directive, the Public Works Department has ensured that all design criteria for future projects includes the provision of permanent generators at each pump station location; and

WHEREAS, while permanent generators are an excellent way to provide redundancy to the stormwater system, they often require additional engineering, site planning, aesthetic improvements, and community involvement; and

WHEREAS, residents that live in neighborhoods with proposed generators have, at times, expressed concerns related to their aesthetics, noise levels, and maintenance operations; and

WHEREAS, this has been the case with neighborhood projects such as West Avenue and the First Street projects; and

WHEREAS, while the City is committed to resilience – and redundant power supplies are a key component of resilience – the City is also keenly interested in placemaking and enhancing neighborhood aesthetics; and

WHEREAS, recent conversations with Florida Power and Light (FPL), the primary electric power supplier for the pump station, have revealed that the City may be able to establish electrical redundancy in the future without the use of backup generators; and

WHEREAS, on August 18, 2020, FPL agreed to potentially categorize the City's stormwater pump stations as critical infrastructure; and

WHEREAS, in cases where FPL categorizes a pump station as critical infrastructure, the stations would include dual primary feeds from independent substations with automatic transfer switches; and

WHEREAS, by utilizing this configuration, if one of the electrical feeds is rendered in operable, the other primary feed would automatically supply power without interruption to the pump station; and

WHEREAS, pump stations categorized by FPL as critical infrastructure would be reviewed by FPL and the City's Public Works Department during a project's planning and design stage; and

WHEREAS, in cases where FPL is able to provide dual primary feeds to a pump station, substantial electrical redundancy will be provided to the pump station, and thus, a backup generator may not be required; and

WHEREAS, future projects may benefit from a cost and community impact perspective if backup generators are implemented on a case by case basis.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND CITY COMMISSION OF THE CITY OF MIAMI BEACH, FLORIDA, hereby, accept the recommendation of the September 22, 2020 Land Use and Sustainability Committee, to implement generators on a case by case basis for stormwater pump stations.

PASSED and ADOPTED this _____ day of _____, 2020.

DAN GELBER, MAYOR

ATTEST:

RAFAEL E. GRANADO, CITY CLERK

**APPROVED AS TO
FORM & LANGUAGE
& FOR EXECUTION**



City Attorney

 10/6/20

Date