

*Sanitary Sewer System and  
Force Main Replacement  
Program*

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JULY 14, 2020

**CORAL  
GABLES**<sup>®</sup>  
THE CITY BEAUTIFUL



# EXISTING SANITARY SEWER SYSTEM



- Approximately 71 miles of gravity sewer mains.
- 1,400 manholes.
- 35 Sanitary sewer pump stations.
- Approximately 15 miles of pressurized forcemains generally sized between 4-inches and 36-inches.
- Serving approximately 26,000 City residents.

# FORCE MAIN TRANSMISSION SYSTEM CONDITIONS

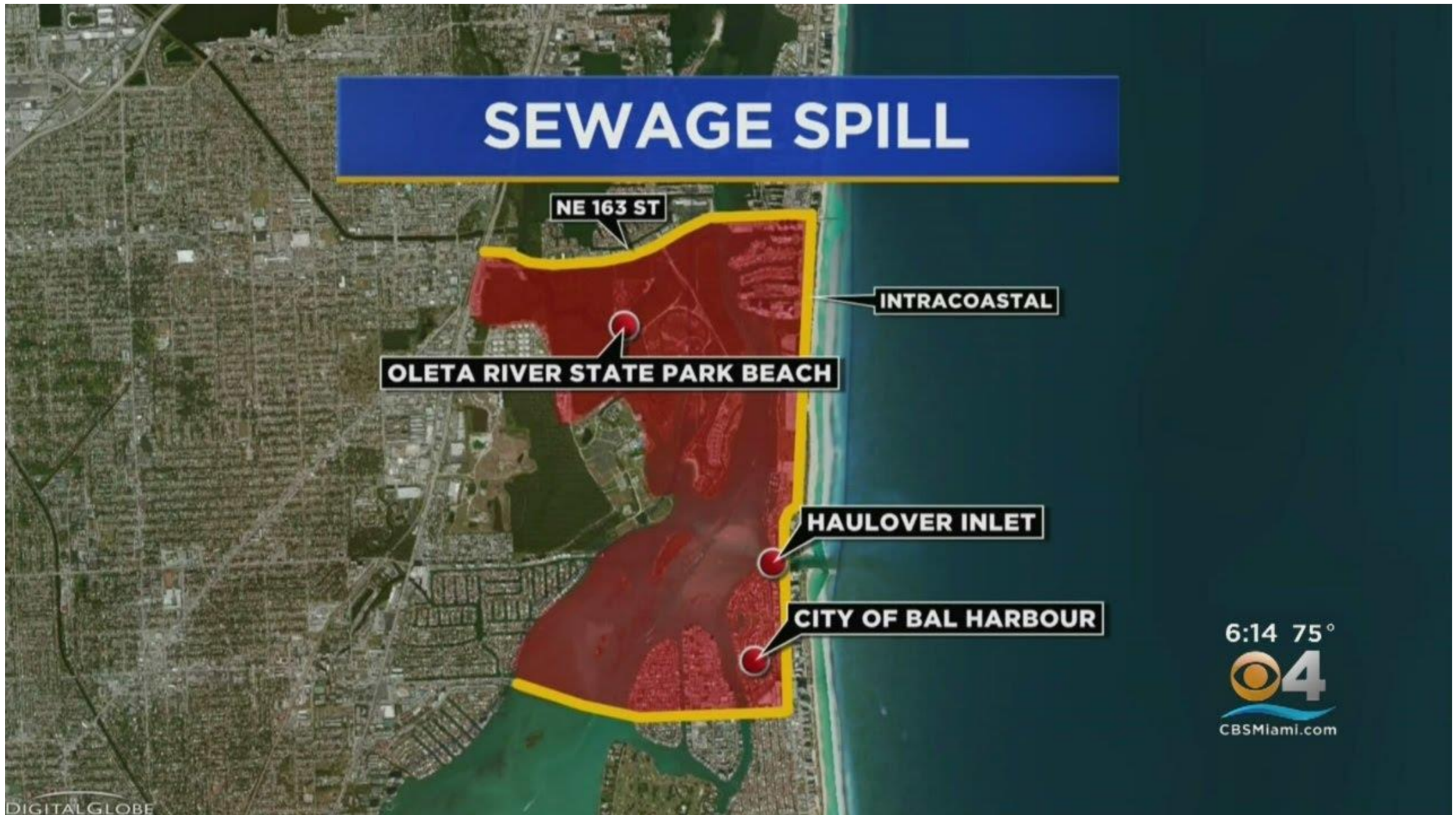
- Approximately 4 miles of major transmission lines, sized between 18 and 36 inches in diameter are at least 60 years old.
- An additional 2.5 miles of major transmission lines have exceeded their estimated useful life span of 50 years.
- A total of 6.5 miles of major transmission lines plus smaller ancillary discharge pipes are in urgent need of replacement.

# THE RISK OF INACTION



- August 11th, 2019; a 48-in 55 year old transmission forcemain burst under the Oleta River in North Miami-Dade County, resulting in over 1-million gallon discharge into river.
- August 13th, 2019; a 20-in 65 year old transmission forcemain burst at S. Alhambra Circle between US-1 and Ponce de Leon Blvd., resulting in 150,000 gallon discharge to the Coral Gables Waterway.
- Multiple recent breaks in Ft Lauderdale spilled over 200 million gallons of raw sewage on streets and waterways, resulting fines where in excess of \$1 million.

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*Thank You!*

