



# **The Sewerage & Water Board**

## **OF NEW ORLEANS**

625 ST. JOSEPH STREET  
504.529.2837 OR 52.WATER

[www.swbno.org](http://www.swbno.org)

**November 5, 2024**

Dear Mayor Cantrell, Honorable Members of the New Orleans City Council, and Orleans Parish Delegation:

This report is delivered in accordance with Revised Statute 33:4091, Section F, which states: *“In addition to the other requirements of this Section, the board shall send a report, by electronic mail, to the members of the Orleans Parish legislative delegation and the members of the governing authority of Orleans Parish detailing the pumping and electrical power of its facilities and the available manpower no later than twenty-four hours prior to a hurricane entering the Gulf of Mexico as determined by the National Weather Service and no later than forty eight hours after a flood watch or warning or thunderstorm watch or warning is issued by the National Weather Service for any area of Orleans Parish.”*

On November 4, 2024, the National Hurricane Center (NHC) announced the formation of Tropical Storm Rafael in the Caribbean Sea. The storm is expected to become a Hurricane and enter the Gulf of Mexico on Wednesday, November 6, 2024. The status of SWBNO’s pumping and power equipment before the event is detailed below.

### **ANTICIPATED STORM IMPACTS**

As of the November 5, 2024 3pm EDT National Weather Service (NWS) Advisory, Rafael is expected to be downgraded to a Tropical Storm prior to making landfall in the United States later in the week. At this time, impacts to the New Orleans area are anticipated but uncertain.

## **PUMPING AND POWER**

Below is the status of SWBNO’s pumping and power equipment prior to this event.

### **Drainage Pumps:**

A total of 91 of 97 drainage pumps are presently in service.

Note that the major drainage pump count has been revised from 99 to 97. The two pumps at DPS 17, which are used for dry weather flow, are considered constant duty pumps for this location. Stormwater drainage from the Gentilly Area is served by DPS 19, located at Florida Ave and the west side of the Industrial Canal.

**DPS 10: No. 1 pump (60-hz) out of service. Vendor selected to refurbish pump. Pump installation is in progress, with RTS expected in November 2024.**  
*3 additional pumps were available at this station*

**DPS 13: No. 4 pump (diesel pump) is for emergency use only. Additional drainage funding is needed to move forward with repairs.**  
*5 additional pumps were available at this station*

**DPS 14: No. 3 and No. 4 pumps out of service due to mechanical issues. #3 repairs will be completed via contract, with RTS anticipated in Q1 2025. #4 is being repaired in-house, with RTS anticipated by end of 2024.**  
*2 additional pumps were available at this station*  
*Note that drainage from this area can also be addressed by DPS 10, DPS 16, and Dwyer DPS via the Morrison Canal.*

**DPS 15: No. 1 pump gearbox repairs are in progress. RTS Q2 2025.**  
*2 additional pumps were available at this station*

**DPS 18: Pump No. 1 out of service as of May 2024. RTS pending further mechanical inspection and repairs.**  
*1 additional pump was available at this station, and a portable pump was installed at this location as a temporary measure.*

### **Underpass Stations:**

At UPS Old Carrollton, which services the Carrollton Ave/Interstate I-10 underpass, one of three pumps at that location are out of service. A temporary pump is deployed at this location.

**Power:**

Turbine 4, Turbines 5 (25-hz), and 6 (60-hz), along with four frequency changers on the Eastbank, and one on the Westbank are available. All EMDs are available as well.

<b>Unit*</b>	<b>Frequency</b>	<b>Capacity in MW</b>	<b>Available</b>
T4	25 Hz	20 MW	18.5 MW
T5**	25 Hz	20 MW	16 (revised capacity)
Carrollton Frequency Changers 1&2	Converts 60 to 25Hz	8.5 MW	8.5
Station D Frequency Changers 3&4	Converts 60 to 25Hz	12 MW	12
West Bank Power Complex (Algiers Water Treatment Plant)	Converts 60 to 25Hz	2.5 MW	2.5
Five EMDs	25Hz	12.5 MW (total) 2.5 MW (each)	12.5
Plant Frequency Changer via T6	Converts 60 to 25Hz	3.75 MW	0 MW (RTS to be determined)
		<b>Total 25 Hz:</b>	<b>70.0 MW</b>
T6	60 Hz	22 MW	<b>22 MW</b>

\*T3 has been decommissioned as of May 2021, and T1 has been decommissioned as of June 2022. Both units have been removed from this table.

**STAFFING**

Of New Orleans’ 24 drainage pumping stations, some are staffed, some run remotely, and some are staffed as circumstances dictate. All stations will be staffed as appropriate if needed.