



# **The Sewerage & Water Board**

## **OF NEW ORLEANS**

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**September 9, 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.”*

During the morning of September 9, 2024, the National Hurricane Center (NHC) announced the formation of Tropical Storm Francine in the Gulf of Mexico. The storm is expected to become a hurricane by the evening of Tuesday, September 10<sup>th</sup>. The status of SWBNO’s pumping and power equipment before the event is detailed below.

### **STORM IMPACTS**

Francine is expected to make landfall as Category 1 hurricane along the Louisiana coast during the evening of September 11, 2024. The National Weather Service (NWS) forecasts this storm to bring heavy rainfall, coastal flooding and gusty winds to the area, mainly on Wednesday and Thursday. The NWS also advises that significant changes to the forecast may still occur.

## **PUMPING AND POWER**

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

### **Drainage Pumps:**

A total of 90 of 99 drainage pumps are presently in service.

- DPS 6:**            **1 pump is out of service while inspection of pump is in progress to determine the extent of any repairs needed. RTS TBD.**
- DPS 10:**          **No. 1 pump (60-hz) out of service. Vendor selected to refurbish pump. RTS September 2024.**
- DPS 13:**          **No. 4 pump (diesel pump) is for emergency use only. Additional drainage funding is needed to move forward with repairs.**
- DPS 14:**          **No. 3 and No. 4 pumps out of service due to mechanical issues. RTS pending on-going SWBNO work and contractor work required.**  
*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.**
- DPS 17:**          **Pumps A & D (25-hz) out of service due to the issues with electric motor. RTS TBD, pending funding availability.**
- DPS 18:**          **Pump No. 1 out of service as of May 2024. RTS pending further mechanical inspection.**  
*A portable pump is available 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. Additionally, all five EMDs are available.

<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)
		Total 25 Hz:	<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.