



**Executive  
Director's Report:  
March 17, 2021**



# EXECUTIVE DIRECTOR'S REPORT

- **Power: Immediate Efforts/Master Plan**
- **Where We Are and Where We're Going**
- **Funding**
- **Customer Service Update**





# POWER: Immediate Efforts + Master Plan

---

- **Where We Are:**

- The current state of the system is fragile – we have very few backup options
- Reliance on old/temporary equipment is costly, inefficient, and lowers quality of life for customers near our plant

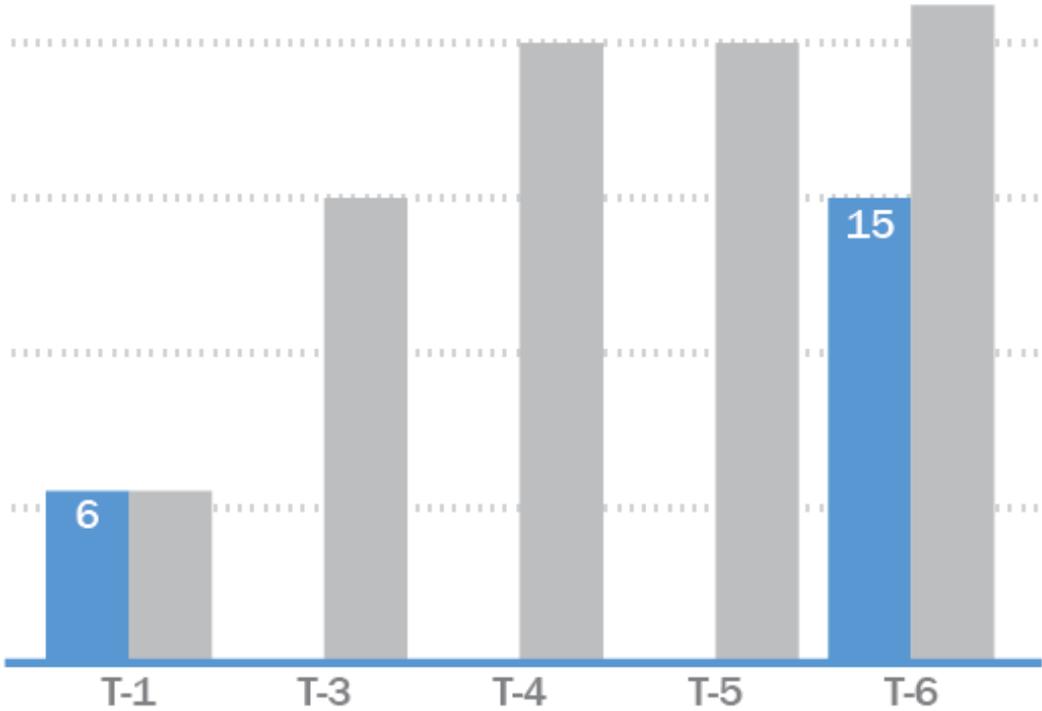
- **Where We're Headed:**

- Getting our turbines back online for Hurricane Season
- Implementing Phase 1 of Power Master Plan (released one year ago)

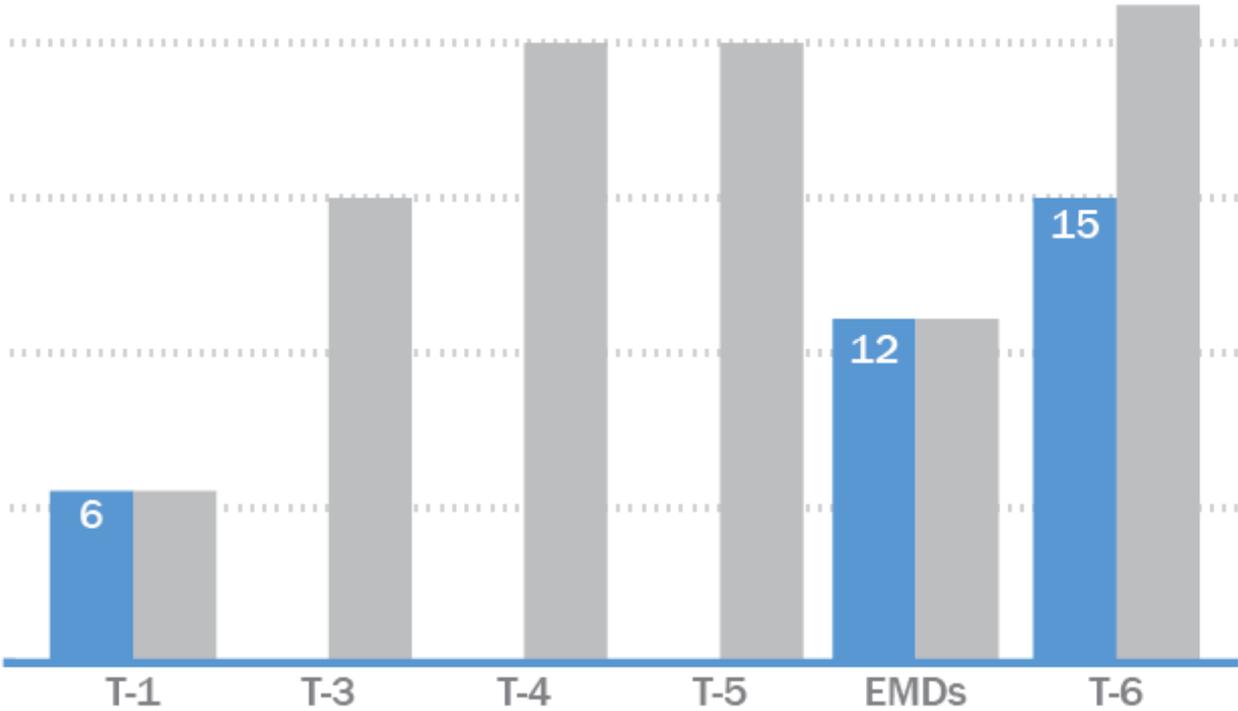


# TODAY

August 2017



March 2021

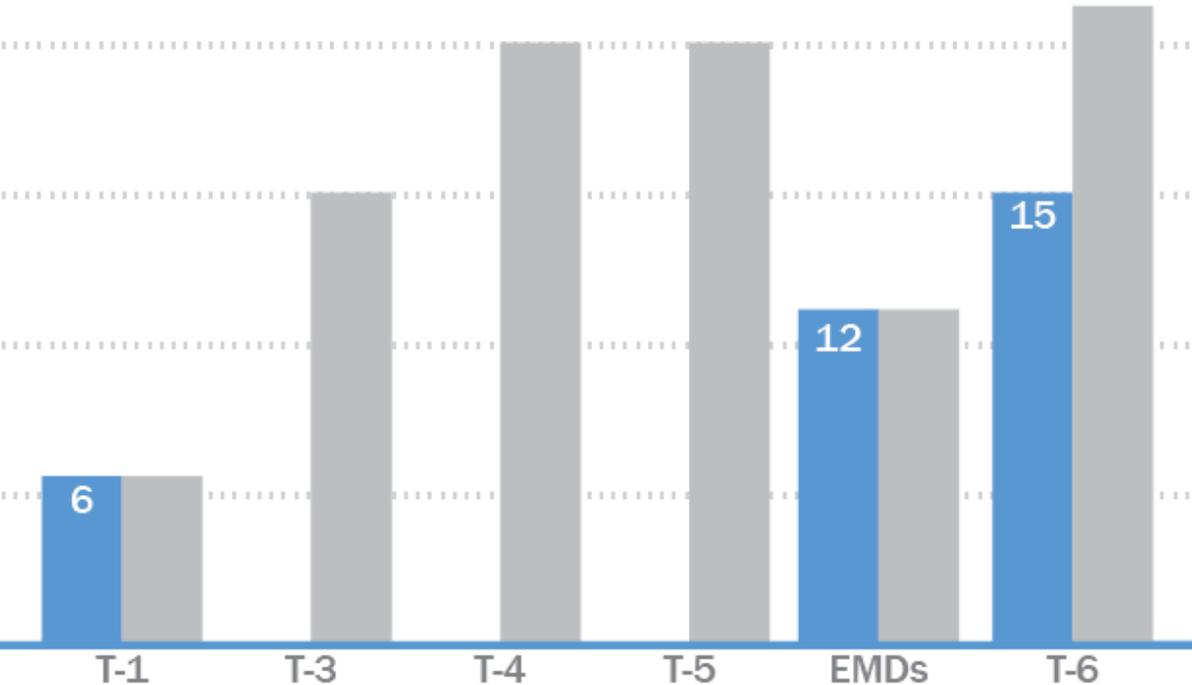


Available Nameplate

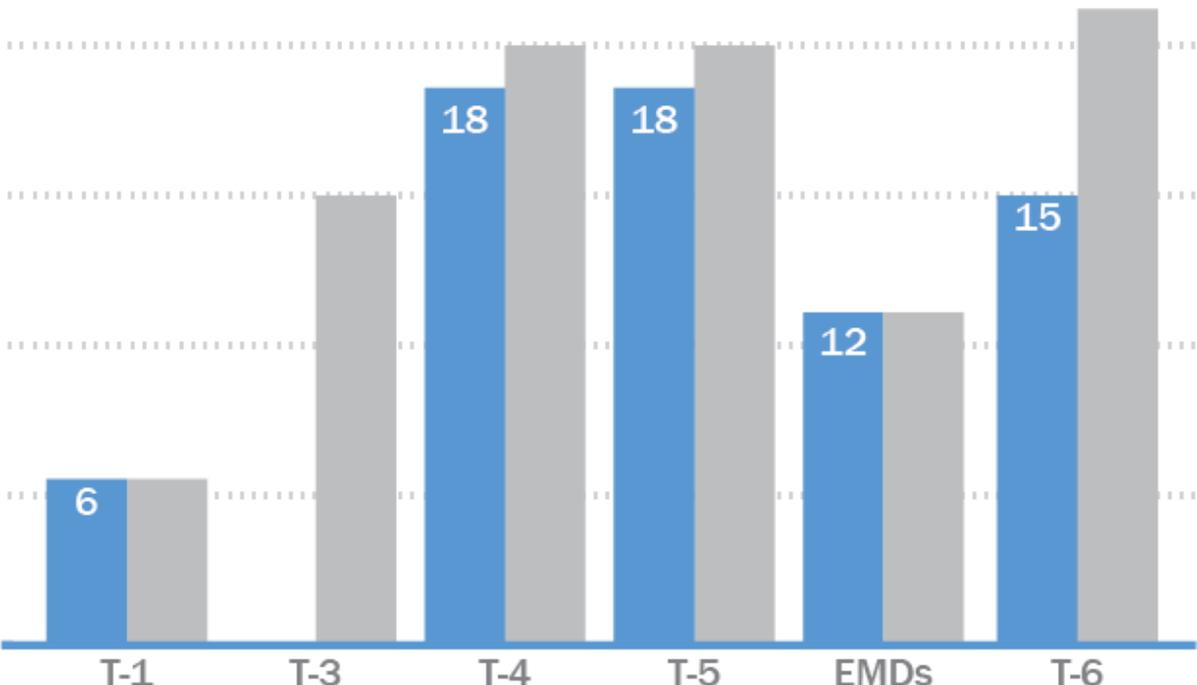


# IN TWO MONTHS

March 2021



May/June 2021

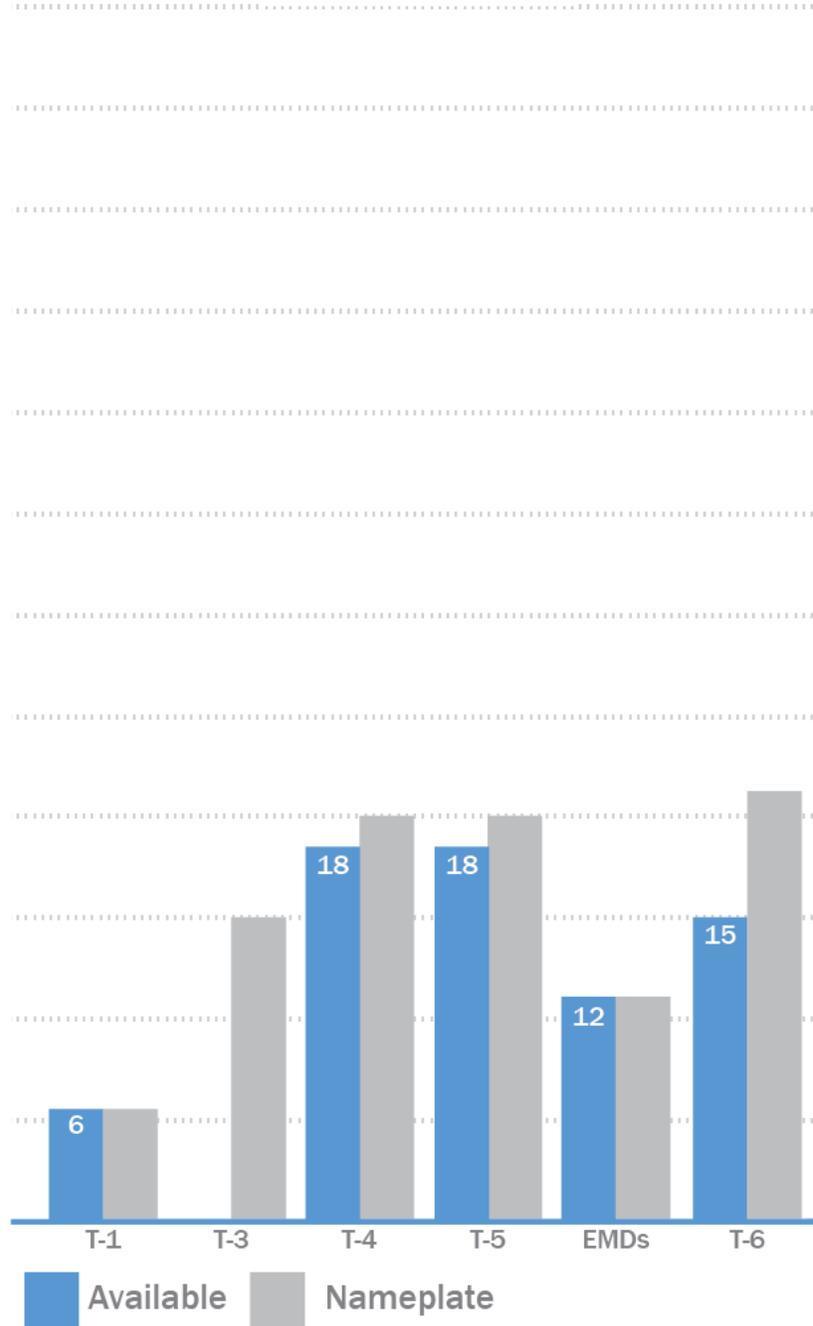


Available Nameplate

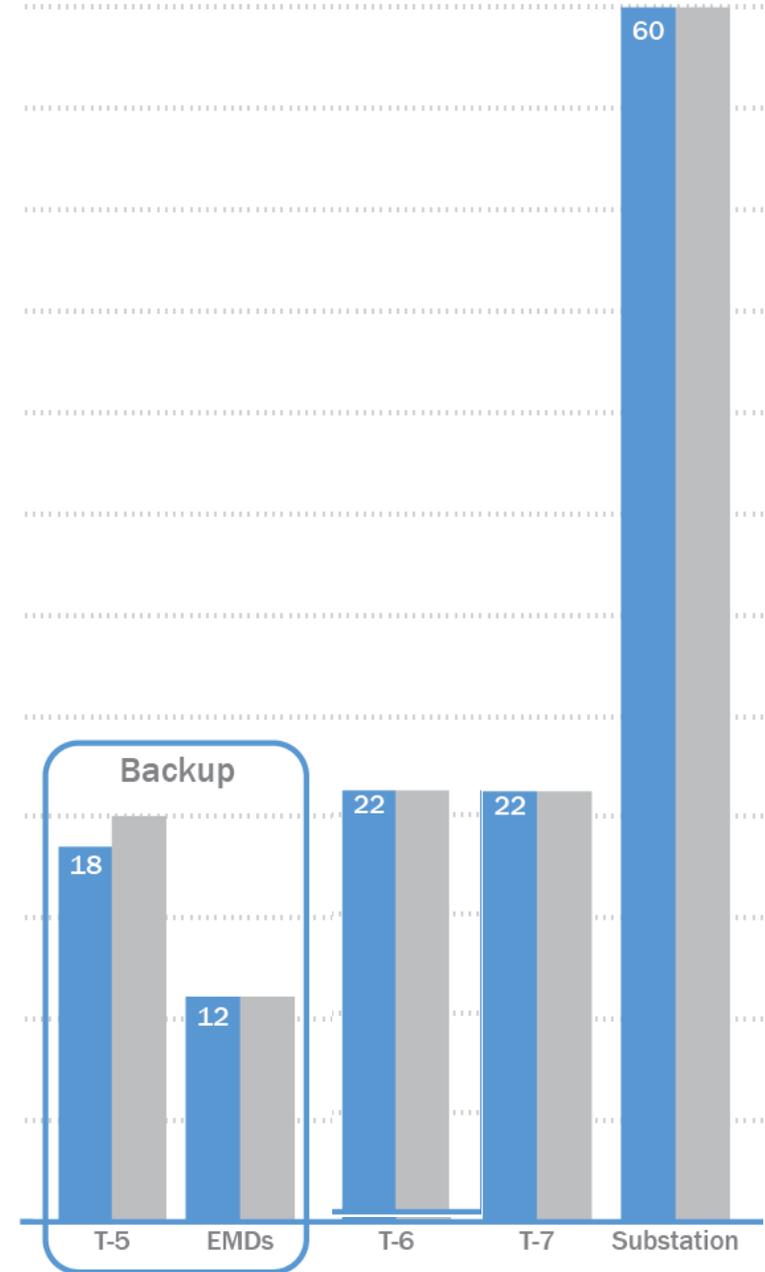


# IN TWO YEARS

May/June 2021



2023



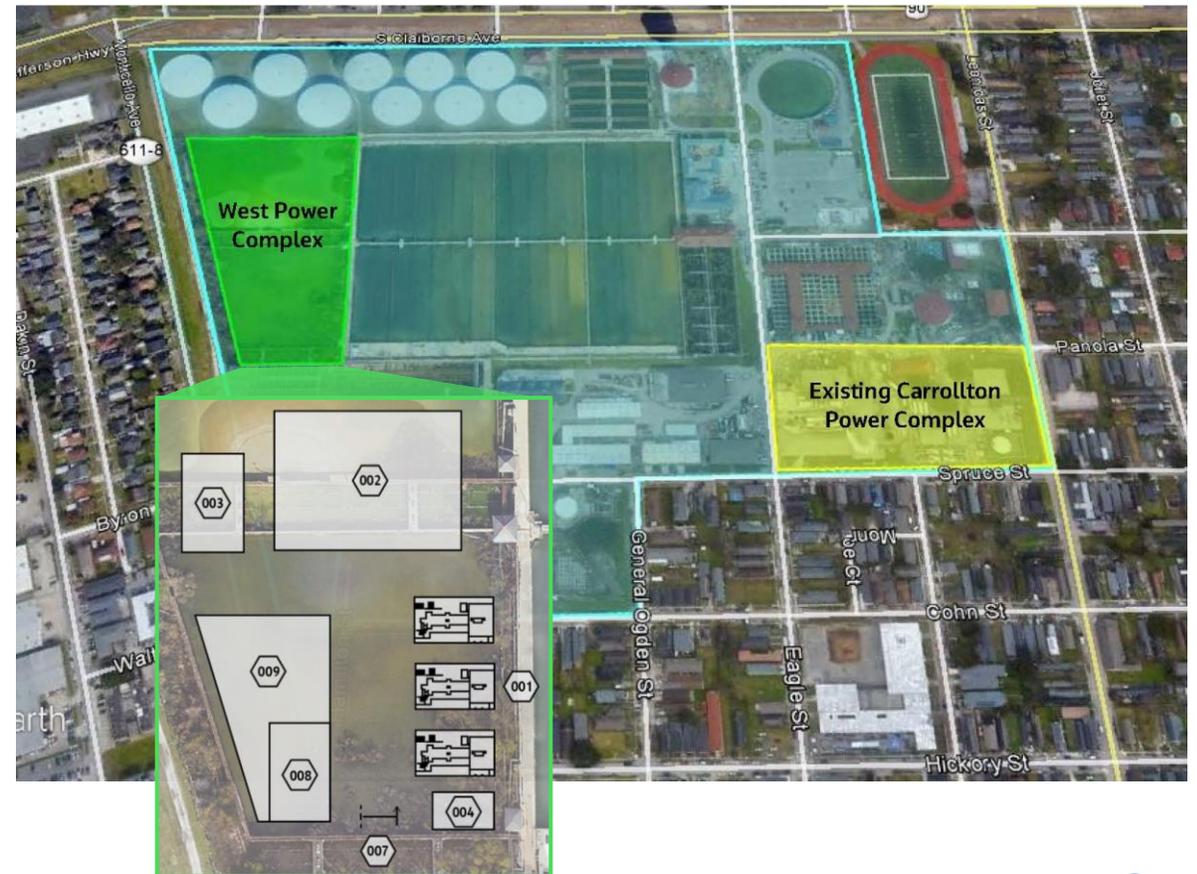
# HAPPENING NOW: DEDICATED SUBSTATION

- Design, site prep, and negotiations underway
  - Groundbreaking 2021
- Lower Cost of Operation
  - Purchased power vs self-generated power
- Reduced Run-time on Turbines
  - Reduced Maintenance
  - Extended Useful Service Life
- Sustainability and Reliability
  - Drastic Reduction in On-Site Air Emissions
  - Consistent reliability



# IN THE WORKS: NEW ASSETS

- Near Term – Phase 1a
  - Utility Substation
  - Turbines 5, 6, 7 as Backup
  - Frequency Changers
- Phase 1b
  - Add Turbines 8 and 9
  - Retire Existing Steam Plant
- Longer Term – Phase 2
  - 60 Hz Conversion of Drainage Pump Stations
  - Connect More Stations to Carrollton Plant



# FUNDING

- Leveraging nearly \$30M in federal funding
- Applied for further \$46M from FEMA BRIC program for T8 and T9
- Limited percentage being covered by system funds

Asset	Cost (Estimated)	Funding Source
Substation	\$34 M	Entergy Capital
Frequency Changer 1	\$15 M purchase \$5 M integration	Fair Share/HMPG Capital Outlay
Frequency Changers 2,3	\$30 M	Entergy Capital
Turbine 7	\$13 M purchase \$7 M integration	CDBG System Funds
Substation Integration (Control system, bus, feeders)	\$20 M	Capital Outlay?

