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**Courtney R. Nicholson** Senior Counsel Legal Services - Regulatory

October 22, 2020

Via Electronic Delivery

Ms. Lora W. Johnson, CMC, LMMC Clerk of Council City Hall - Room 1E09 1300 Perdido Street New Orleans, LA 70112

Re: Resolution Directing Entergy New Orleans, Inc. to Investigate and Remediate Electric Service Disruptions and Complaints and to Establish Minimum Electric Reliability Performance Standards and Financial Penalty Mechanisms – CNO Docket No. UD-17-04

Dear Ms. Johnson:

Please find enclosed for your further handling Entergy New Orleans, LLC's ("ENO") 2020 Reliability Plan Project Status Report through August 31, 2020, which is being submitted for filing in the above-referenced docket pursuant to Council Resolution R-18-98. As a result of the remote operations of the Council's office related to COVID-19, ENO submits this filing electronically and will submit the requisite original and number of hard copies once the Council resumes normal operations, or as you direct. ENO requests that you file this submission in accordance with Council regulations as modified for the present circumstances.

Thank you for your assistance with this matter.

Sincerely,

Courtney R. Nicholson

Courtney R. Michalson

CRN\bkd

**Enclosures** 

cc: Official Service List (UD-17-04 via electronic mail)

## ENTERGY NEW ORLEANS, LLC'S RELIABILITY PROJECT STATUS REPORT AS AUGUST 31, 2020

Entergy New Orleans, LLC ("ENO" or the "Company") respectfully submits this Reliability Project Status Report to provide the Council with an update through August 31, 2020 on progress regarding ENO's 2020 Reliability Plan, as well as on two carryover projects from the 2019 Reliability Plan.

All fifteen feeders scheduled for 100% backbone and lateral inspection and repairs in 2020 have been inspected and four are in the construction stage. Of the two feeders carried over from 2019, one is complete and the other is in the construction stage. As indicated on pages 4 and 5 of this Status Report, the Company is behind its target completion schedule for distribution projects in its 2020 Reliability Plan. The impediments are primarily due to the logistical challenges the Company has encountered as a result of the COVID-19 pandemic and were further exacerbated by the 2020 hurricane season. In the middle of March, the COVID-19 pandemic impacted planned construction work. To ensure safety, all contract crews were moved out of the metro area temporarily, while Company crews continued planned maintenance to the extent possible. ENO also stopped taking planned outages necessary to perform construction work during the stay-athome orders and this limited the work that could be performed safely. Once able, ENO brought contract crews back into the City. During the reporting period, ENO had up to 12 crews working on reliability projects in the city. The crews were split and scheduled to work alternating weekends to complete more work and provide flexibility in scheduling outages around customer needs. However, when Hurricane Laura impacted southwest Louisiana, the majority of our contract crews were sent to assist in the recovery. Due to the catastrophic levels of damage to the electrical transmission and distribution systems in that area, it took several weeks before they were able to return. At the end of the reporting period, we had two contractor crews remaining who are

continuing to work projects. The increased scope on some of the projects due to the findings identified during the inspections along with some of the logistical challenges described above have posed upward budgetary pressures that contribute to ENO's actual year-to-date distribution investment exceeding its design estimates. Given current budgetary trends, ENO currently expects to carry into 2021 four of the 100% lateral projects. Construction on these projects has not yet begun, however these projects are in the design queue and expected to commence the construction phase in January 2021. Another contributing factor for postponing these particular projects to 2021 is the unpredictable nature and the magnitude of work that will be needed on each feeder prior to completion of the inspection and design phases.

ENO's Fix-It-Now ("FIN") reliability crew continues to work on performing infrared inspections of distribution facilities to identify and prevent outages that could result from imminent failure conditions and investigating repeat outages to assess and repair the fundamental cause of the outage. The crew completed work on more than 35 separate locations in the city during the reporting period.

In the Sectionalization program, ENO identified seven potential locations to install Trip Saver devices. The progress of these devices is included in the chart below, increasing the total number of projects for the year. As of the end of the reporting period, all of these projects were complete. Work has also continued connecting existing reclosers to the growing communications network. Currently approximately 31% of reclosers are on the automated network.

In the Underground program, while working in conjunction with planned transmission/substation work, we identified work to be performed on six sets of substation exit cables that could yield significant reliability benefits, reducing the potential for customer interruptions. These are the points where power leaves the substation and a fault could affect a

large number of customers. Two of these projects are complete with the remainder rescheduled to fall during cooler weather to reduce risk.

Also attached hereto is a schedule of Transmission reliability projects scheduled to be worked in 2020, with costs incurred through June 2020.<sup>1</sup>

ENO is available to discuss this report, and reliability in general, in further detail, if desired.

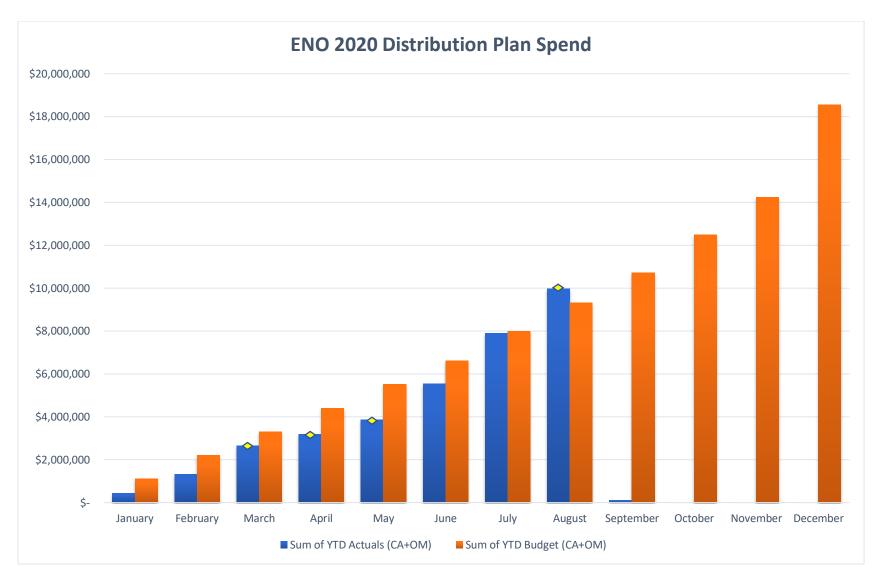
Transmission costs shown are as of June 30, 2020, but the construction status shown reflects the date of filing.



Note 1: This chart shows progress for 100% lateral projects, Trip Saver installations and exit cable replacements based on in-service date in Maximo.

Note 2: In March, to ensure safety during the COVID Pandemic, all contract crews were temporarily moved out of the metro area. Upon returning in mid-April and until mid-May, planned outages were limited.

Note 3: Contract crews were distributed to other areas to assist in storm restoration due to Hurricane Laura at the end of August.



Note 1: In March, to ensure safety during the COVID Pandemic, all contract crews were temporarily moved out of the metro area. Upon returning in mid-April and until mid-May, planned outages were limited.

Note 2: Contract crews were distributed to other areas to assist in storm restoration due to Hurricane Laura at the end of August.

Funding Project	Sum of YTD Actuals		Sum of YTD Budget		Sum of YTD Variance	
Internal (F1PPDA0198)	\$	753,153	\$	708,514	\$	44,639
DA Acceleration / Sectionalization (F1PPDA1250)	\$	139,231	\$	322,304	\$	(183,073)
Focus (F1PPDA1750)	\$	10,478	\$	447,707	\$	(437,229)
Outage Causal Analysis (F1PPDA2650)	\$	-	\$	41,398	\$	(41,398)
100% Lateral, FIN & Other Strategic Reliability (F1PPU25021)	\$	6,921,486	\$	3,619,607	\$	3,301,879
Equipment Inspection & Maintenance (F1PPDA0598)	\$	144	\$	123,318	\$	(123,174)
Backbone (F1PPDA0989)	\$	67,733	\$	157,113	\$	(89,380)
Underground Safety, Network Improvement & Replacement						
(F1PPDA1550, F1PPU25008, F1PPUA5002)	\$	1,264,313	\$	1,904,790	\$	(640,477)
Pole Program (F1PPUA5001)	\$	508,416	\$	1,869,701	\$	(1,361,285)
Grid Mod Make Ready Work (F1PPUMKRED)	\$	7,067	\$	135,564	\$	(128,497)
Conti Street Reconstruction (F1PPU27263)	\$	304,643			\$	304,643
Total	\$ 9,976,664		\$	9,330,016		\$ 646,648

Note: This reporting period, ENO had up to 12 contract crews working in the city on 100% lateral projects. This is reflected in the large positive variance for that funding project. This will be brought back in line as the crews move to other programs.

### **Projects by Council District: A**

% Work Complete <sup>2</sup>	Name	Project Phase	Est. Start	Actual Start	Est. Finish	Actual Finish
100%	ENO 290 2019 100% Lateral Napoleon SBKR 1926	Complete	01/2020	1/20/2020	02/2020	4/16/2020
85%	ENO 5 2020 100% Lateral JOLIET SBKR 2013	Construction	03/2020	7/27/2020	04/2020	-
0%	ENO 8 2020 100% Lateral NAPOLEON SBKR 1916	Construction Queue	05/2020	-	06/2020	-
0%	ENO 10 2020 100% Lateral JOLIET SBKR 2014	Design	07/2020	_	08/2020	_
0%	ENO 11 2020 100% Lateral SOUTHPORT SBKR B0527	Design	07/2020	-	10/2020	-
100%	Trip Saver - Napoleon 1916	Complete	06/2020	7/8/2020	07/2020	7/8/2020
100%	Trip Saver - Almonaster 615	Complete	06/2020	7/14/2020	07/2020	7/14/2020
100%	Trip Saver - Avenue C 403	Complete	06/2020	7/17/2020	07/2020	7/17/2020
0%	Exit Cable Replacement - Derbigny 1513	Construction Queue	10/2020	-	10/2020	-

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Percent work complete is based on points reported complete by crew foremen. Projects will be reported as 100% complete once audits are complete and in-service date updated in Maximo.

### **Projects by Council District: B**

% Work Complete <sup>3</sup>	Name	Project Phase	Est. Start	Actual Start	Est. Finish	Actual Finish
100%	ENO 290 2019 100% Lateral Napoleon SBKR 1926	Complete	01/2020	1/20/2020	02/2020	7/24/2020
95%	ENO 366 2019 100% Lateral Market SBKR 2147	Construction	01/2020	4/27/2020	05/2020	-
79%	ENO 3 2020 100% Lateral MIDTOWN SBKR 912	Construction	01/2020	5/4/2020	02/2020	-
0%	ENO 6 2020 100% Lateral NAPOLEON SBKR 1924	Construction Queue	03/2020	-	04/2020	-
0%	ENO 8 2020 100% Lateral NAPOLEON SBKR 1916	Construction Queue	05/2020	-	06/2020	-
100%	Trip Saver - Napoleon 1916	Complete	06/2020	7/8/2020	07/2020	7/8/2020
100%	Trip Saver - Napoleon 1925	Complete	06/2020	5/5/2020	07/2020	5/5/2020
0%	Exit Cable Replacement - Derbigny 1513	Construction Queue	10/2020	ı	10/2020	-
0%	Exit Cable Replacement - Derbigny 1551	Construction Queue	10/2020	-	10/2020	-
100%	Exit Cable Replacement - Napoleon 1911	Complete	03/2020	3/8/2020	03/2020	3/9/2020
0%	Exit Cable Replacement - Napoleon 1915	Construction Queue	10/2020	-	10/2020	-

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Percent work complete is based on points reported complete by crew foremen. Projects will be reported as 100% complete once audits are complete and in-service date updated in Maximo

### **Projects by Council District: C**

% Work Complete⁴	Name	Project Phase	Est. Start	Actual Start	Est. Finish	Actual Finish
65%	ENO 1 2020 100% Lateral ALMONASTER SBKR 614	Construction	01/2020	5/11/2020	02/2020	-
79%	ENO 3 2020 100% Lateral MIDTOWN SBKR 912	Construction	01/2020	5/4/2020	02/2020	-
100%	ENO 7 2020 100% Lateral SHERWOOD FOREST SBKR 611	Complete	04/2020	2/12/2020	05/2020	7/31/2020
0%	ENO 12 2020 100% Lateral PAUGER SBKR 1709	Design Queue	10/2020	-	11/2020	-
100%	ENO 13 2020 100% Lateral LOWER COAST SBKR W1713	Complete	01/2020	1/1/2020	01/2020	1/1/2020
0%	ENO 14 2020 100% Lateral LOWER COAST SBKR W1725	Design	07/2020	-	08/2020	-
0%	ENO 15 2020 100% Lateral HOLIDAY (LA) SBKR W0115	Design	08/2020	-	09/2020	-
100%	Trip Saver - Almonaster 611	Complete	06/2020	6/18/2020	07/2020	6/18/2020

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<sup>&</sup>lt;sup>4</sup> Percent work complete is based on points reported complete by crew foremen. Projects will be reported as 100% complete once audits are complete and in-service date updated in Maximo

#### **Projects by Council District: D**

% Work Complete⁵	Name	Project Phase	Est. Start	Actual Start	Est. Finish	Actual Finish
65%	ENO 1 2020 100% Lateral ALMONASTER SBKR 614	Construction	01/2020	5/11/2020	02/2020	-
79%	ENO 3 2020 100% Lateral MIDTOWN SBKR 912	Construction	01/2020	5/4/2020	02/2020	-
100%	ENO 4 2020 100% Lateral PAUGER SBKR 1704	Complete	02/2020	6/1/2020	03/2020	8/10/2020
100%	ENO 7 2020 100% Lateral SHERWOOD FOREST SBKR 611	Complete	04/2020	2/12/2020	05/2020	7/31/2020
0%	ENO 12 2020 100% Lateral PAUGER SBKR 1709	Design Queue	10/2020	-	11/2020	-
100%	Trip Saver - Almonaster 611	Complete	06/2020	6/18/2020	07/2020	6/18/2020
100%	Trip Saver - Almonaster 615	Complete	06/2020	7/14/2020	07/2020	7/14/2020
100%	Trip Saver - Avenue C 403	Complete	06/2020	7/17/2020	07/2020	7/17/2020
0%	Exit Cable Replacement - Pauger 1702	Design Queue	12/2020	-	12/2020	-

#### **Projects by Council District: E**

% Work Complete <sup>6</sup>	Name	Project Phase	Est. Start	Actual Start	Est. Finish	Actual Finish
76%	ENO 2 2020 100% Lateral GULF OUTLET SBKR 1205	Construction	02/2020	7/27/2020	03/2020	-
68%	ENO 9 2020 100% Lateral CURRAN SBKR 2216	Construction	06/2020	5/14/2020	07/2020	•
100%	Trip Saver - Gulf Outlet 1203	Complete	06/2020	6/23/2020	07/2020	6/23/2020
100%	Trip Saver - Sherwood Forest 1604	Complete	06/2020	6/19/2020	07/2020	6/19/2020

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<sup>&</sup>lt;sup>5</sup> Percent work complete is based on points reported complete by crew foremen. Projects will be reported as 100% complete once audits are complete and in-service date updated in Maximo

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# CERTIFICATE OF SERVICE <u>Docket No. UD-17-04</u>

I hereby certify that I have served the required number of copies of the foregoing report upon all other known parties of this proceeding, by the following: electronic mail, facsimile, overnight mail, hand delivery, and/or United States Postal Service, postage prepaid.

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Eric J. Songy Algiers Neighborhood Presidents Council P.O. Box 740446 New Orleans, LA 70174

Arthur J. Johnson Lower 9th Ward Center for Sustainable Engagement and Development 5227 Chartres Street New Orleans, LA 70117

Dawn Hebert 6846 Lake Willow Dr. New Orleans, LA. 70126

New Orleans, Louisiana, this 22nd day of October, 2020.

Courtney R. Nicholson

WO #s	Substation	Project Status	Work Description	Construction Start Date	EST ISD	Actual ISD	Estimated 2020 Project Cost	YTD Actuals at end of August 2020	Budget Variance Reason	Schedule Change Reasons
C6PPGR0060	NOTRE DAME	Completed	Replace XFMR Diff Panel on T4 Type: EM - WH HU CO11	1/15/2020	2/12/2020	2/12/2020 \$	320,000	\$ 410,930		İ
C6PPGR0074	CURRAN	Completed	Replace OCB #22BT-12	2/24/2020	3/5/2020	3/6/2020 \$	148,500	\$ 166,840		
C6PPGR0144	SHERWOOD FOREST	Completed	Replace HV & LV Arresters on T2	3/1/2020	3/11/2020	3/11/2020 \$	35,999	\$ -	This project was performed under o	ther work order.
C6PPBU1559	NAPOLEON	Completed	Replace Feeder Breaker 1911-2 and disconnect	3/2/2020	3/13/2020	3/20/2020 \$	178,200			
C6PPBU1557	NAPOLEON	Completed	Replace Feeder Breaker 1912-2 and disconnect	3/13/2020	3/20/2020	3/25/2020 \$	178,200			
C6PPGR0139	ALMONASTER	Completed	Replace SEL-287 V with SEL-451 230kV Cap Bank Relay	3/30/2020	4/30/2020	4/14/2020 \$	191,400			COVID-19
C6PPKO1067	DERBIGNY	Completed	Add Standard Animal Mitigation	5/18/2020	12/31/2020	5/21/2020 \$	35,200		Posted 5-30-20	
C6PPGR0145	SHERWOOD FOREST	Completed	Replace LV Arresters on T4	5/25/2020	6/12/2020	6/22/2020 \$	35,999			COVID-19-Internal resource unavailable
C6PPGR0162	MARKET 230	Completed	Replace/Upgrade SCADA RTU Type: D-20	6/22/2020	10/9/2020	7/1/2020 \$	125,400		Project in Progress	
C6PPKO1062	ALMONASTER	Completed	Add standard animal mitigation	6/22/2020	12/31/2020	7/8/2020 \$	55,440		Project in Progress	COVID-19-DOC Outage denial
C6PPBU1555	NAPOLEON	Completed	Replace Feeder Breaker 1925-2 and disconnect	7/12/2020	7/31/2020	7/28/2020 \$	178,200	-	Project in Progress	COVID 10 DOC Outers desired
C6PPBU1560 C6PPGR0159	NAPOLEON DERBIGNY	Completed	Replace Feeder Breaker 1916-2 and disconnect  Replace 1551-2 Feeder Breaker	7/12/2020 7/13/2020	7/31/2020 7/31/2020	7/28/2020 \$ 7/30/2020 \$	178,200 178,200		Project in Progress	COVID-19-DOC Outage denial  COVID-19-Internal resource unavailable
C6PPGR0159	GULF OUTLET	Completed	Replace Too 1-2 Feeder Breaker  Replace/ Upgrade SCADA RTU type: D-20	7/13/2020	7/12/2020	8/12/2020 \$	225,192		Project in Progress Project in Progress	COVID-19-Internal resource unavailable
C6PPGR0148	GENTILLY	In Construction	Replace 115kV OCB N1312 (T-Asset)	8/17/2020	8/28/2020	6/12/2020 \$	211,200		Project in Progress	COVID-19-Contractor unavailable
C6PPGR0148	SHERWOOD FOREST	In Construction	Replace OCB Main Breaker 16T2-6 and Disconnects	9/13/2020	9/25/2020	\$	1		Project in Progress	Material Delay
C6PPGR0092	SHERWOOD FOREST	In Construction	Replace OCB Main Breaker 1612-6 and Disconnects	10/16/2020	10/31/2020	\$			Project in Progress	Material Delay
C6PPBU1562	NAPOLEON	In Construction	Replace Feeder Breaker 1917-2 and disconnect	10/16/2020	11/6/2020	\$			Project in Progress	COVID-19-DOC Outage denial
C6PPBU1566	NAPOLEON	In Construction	Replace Feeder Breaker 1977-2 and disconnect	10/26/2020	11/6/2020	\$	-		Project in Progress	COVID-17-DOC Outage defilai
C6PPBU1572	PAUGER	In Progress	Replace 17BT-24 Bus Tie Breaker	7/6/2020	7/24/2020	\$		-	Project in Progress	
C6PPGR0153	SHERWOOD FOREST	In Progress	Replace/upgrade SCADA RTU Type: D-20 ME (Non-Outage)	7/6/2020	7/17/2020	\$	-		Project in Progress	Relay - Design Package Delay
C6PPGR0164	NOTRE DAME	In Progress	Replace / Upgrade SCADA RTU Type: D-20	8/31/2020	9/4/2020	\$		-	Project in Progress	Itolay Bosigi Fashago Bolay
C6PPGR0165	NOTRE DAME	In Progress	Add 3 DGA Monitor	8/31/2020	9/4/2020	\$	-	-	Project in Progress	
C6PPBU1553	NAPOLEON	In Progress	Replace/upgrade SCADA RTU Type: D-20 M++	9/1/2020	9/30/2020	\$			Project in Progress	COVID-19-Internal resource unavailable
C6PPGR0141	DELTA	In Progress	Replace Switch N9810 (Motor Operator Only Replacement)	9/1/2020	9/18/2020	\$			Project in Progress	COVID-19-Internal resource unavailable
C6PPGR0152	CURRAN	In Progress	Replace/upgrade SCADA RTU Type: D-400S	9/7/2020	9/11/2020	\$		-	Project in Progress	
C6PPGR0140	DERBIGNY	In Progress	Replace 1513-2 Feeder Breaker	9/8/2020	9/18/2020	\$	178,200		Project in Progress	COVID-19-Internal resource unavailable
C6PPBU1556	NAPOLEON	In Progress	Replace Feeder Breaker 1913-2 and disconnect	9/15/2020	9/30/2020	\$			Project in Progress	COVID-19-DOC Outage denial
C6PPBU1558	NAPOLEON	In Progress	Replace Feeder Breaker 1914-2 and disconnect	9/15/2020	9/30/2020	\$			Project in Progress	COVID-19-DOC Outage denial
C6PPGR0082	MICHOUD SWITCHYARD	In Progress	Replace 115kV Bus CCVT A Phase (AT1)	9/28/2020	12/31/2020	\$	21,700	\$ 24,988	Project in Progress	COVID-19-Internal resource unavailable
C6PPGR0083	MICHOUD SWITCHYARD	In Progress	Replace 115kV Bus CCVTs (3 Phase) (North Bus)	9/28/2020	10/30/2020	\$	66,000	\$ 24,189	Project in Progress	COVID-19-Internal resource unavailable
C6PPGR0158	CURRAN	In Progress	Install Green Jacket Animal Mitigation	10/1/2020	12/31/2020	\$	396,000	\$ -	Project Cancelled	
C6PPBU1573	PAUGER	In Progress	Replace 1701-2 Feeder Breaker	10/5/2020	10/23/2020	\$	178,200	\$ 36,622	Project in Progress	
C6PPGR0166	PATTERSON	In Progress	Replace / Upgrade SCADA RTU Type: D-20	10/5/2020	10/9/2020	\$	263,208	\$ 9,398	Project in Progress	
C6PPBU1461	PAUGER	In Progress	Replace 17T2-6 Main T2 Breaker	10/12/2020	10/30/2020	\$	148,500	\$ 163,198	Project in Progress	
C6PPBU1473	PAUGER	In Progress	Replace XFMR Diff Panel on T2 Type: EM - WH HU/CO	10/12/2020	10/30/2020	\$			Project in Progress	
C6PPBU1561	NAPOLEON	In Progress	Replace Feeder Breaker 1915-2 and disconnect	10/12/2020	10/23/2020	\$		-	Project in Progress	COVID-19-DOC Outage denial
C6PPBU1571	PAUGER	In Progress	Add Two (2) DGA Monitors	10/12/2020	12/30/2020	\$			Project in Progress	
C6PPBU1563	NAPOLEON	In Progress	Replace Feeder Breaker 1921-2 and disconnect	10/26/2020	11/6/2020	\$			Project in Progress	COVID-19-DOC Outage denial
C6PPBU1568	PAUGER	In Progress	Replace 1702-2 Feeder Breaker	10/26/2020	11/6/2020	\$		-	Project in Progress	
C6PPGR0090	MICHOUD SWITCHYARD	In Progress	Replace 115kv OCB N1102 (230/115KV AUTO BKR)	11/2/2020	11/27/2020	\$		-	Project in Progress	COVID-19-Internal resource unavailable
C6PPGR0095	PONTCHARTRAIN PARK	In Progress	Add Standard Animal Mitigation	11/2/2020	12/31/2020	\$		-	Project in Progress	200///0 40 000 0 1 1 1
C6PPBU1564	NAPOLEON	In Progress	Replace Feeder Breaker 1922-2 and disconnect	11/6/2020	11/20/2020	\$			Project in Progress	COVID-19-DOC Outage denial
C6PPBU1567	PAUGER	In Progress	Replace 1705-2 Feeder Breaker	11/9/2020	11/20/2020	\$			Project in Progress	
C6PPBU1569 C6PPGR0091	PAUGER MICHOUD SWITCHYARD	In Progress	Replace 1704-2 Feeder Breaker  Replace 115kv OCB N1105 (230/115KV AUTO BKR)	11/9/2020 11/18/2020	11/20/2020 11/27/2020	\$			Project in Progress Project in Progress	COVID-19-Internal resource unavailable
C6PPBU1565	NAPOLEON NAPOLEON	In Progress	Replace Freeder Breaker 1923-2 and disconnect	11/18/2020	12/4/2020	\$	- 1		Project in Progress  Project in Progress	COVID-19-Internal resource unavailable
C6PPBU1490	PAUGER	In Progress	Replace the SCADA Remote Terminal Units (RTU) with an RTAC RTU	11/30/2020	12/11/2020	\$	-	-		
C6PPBU1490	NAPOLEON	In Progress In Progress	Replace Feeder Breaker 1924-2 and disconnect	11/30/2020	12/11/2020	\$	-		Project in Progress Project in Progress	
F1PPU75760	UpG Patrsn-Ponchtrn Pk 115kv	ini i Tugi ess	Upgraded TLine, and bus and switches at Patterson and Pontchartrain Park	7/15/2019	6/1/2020	3/13/2020 \$	288,227		1 Toject III FTOgress	
F1PPU51158	Gulf Outlet 115kV: Inst Cap Ba		Install new capbank	5/1/2020	12/1/2020	TBD \$				
F1PPUX4897	Tricou- Energize Xfmr T2	+	Install new Cappank	2/15/2020	12/31/2020	TBD \$				
F1PPUX6066	NOLA Solar- Sherwood Forest Fdrs	+	Install high side CCVT, replace fder brk 1612, upgrade relaying in fdr brk 1601	3/2/2020	6/1/2020	5/8/2020 \$	-11			
F1PPU50894	SPOF ELL -NMP Relaying Imprv		Install new relaying at Joliet, Labarre, Market & Southport	10/1/2020	6/30/2021	TBD \$	-			1
F1PPU51353	Lower Coast 230kV- Add Breaker		Install high side breakers	TBD	6/1/2022	TBD \$	,			
F1PPU75782	Upgrade Ave C - Paris Tap line		Upgrade TLine and switches and bus work at Ave. C.	TBD	6/1/2021	TBD \$				
F1PPU51248	Curran 230kV- Add Breaker	1	Install high side breakers	TBD	9/22/2022	TBD \$				
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