



Entergy Services, LLC
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Timothy S. Cragin
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July 30, 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 June 30, 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,

A handwritten signature in blue ink that reads "Timothy S. Cragin".

Timothy S. Cragin

TSC\rdm

Enclosures

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

**ENTERGY NEW ORLEANS, LLC'S
2020 RELIABILITY PLAN PROJECT STATUS REPORT
THROUGH JUNE 30, 2020**

Entergy New Orleans, LLC (“ENO”) respectfully submits this Reliability Project Status Report to provide the Council with an update through June 30, 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 have been inspected. Both 2019 feeders carried over are also in the construction stage as well as two of the 2020 feeders. 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. We also stopped taking planned outages during the stay-at-home orders and this limited the work that could be performed safely. We have since brought contract crews back in and during the reporting period, we had between 10 and 12 crews working on reliability projects in the city. The crews are split and scheduled to work planned overtime alternating weekends to complete more work and provide flexibility in scheduling outages around customer needs.

Our 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 59 separate locations in the city during the reporting period.

In the Sectionalization program, we 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, four of these devices have been installed with the remainder planned for July. Work has also continued connecting existing

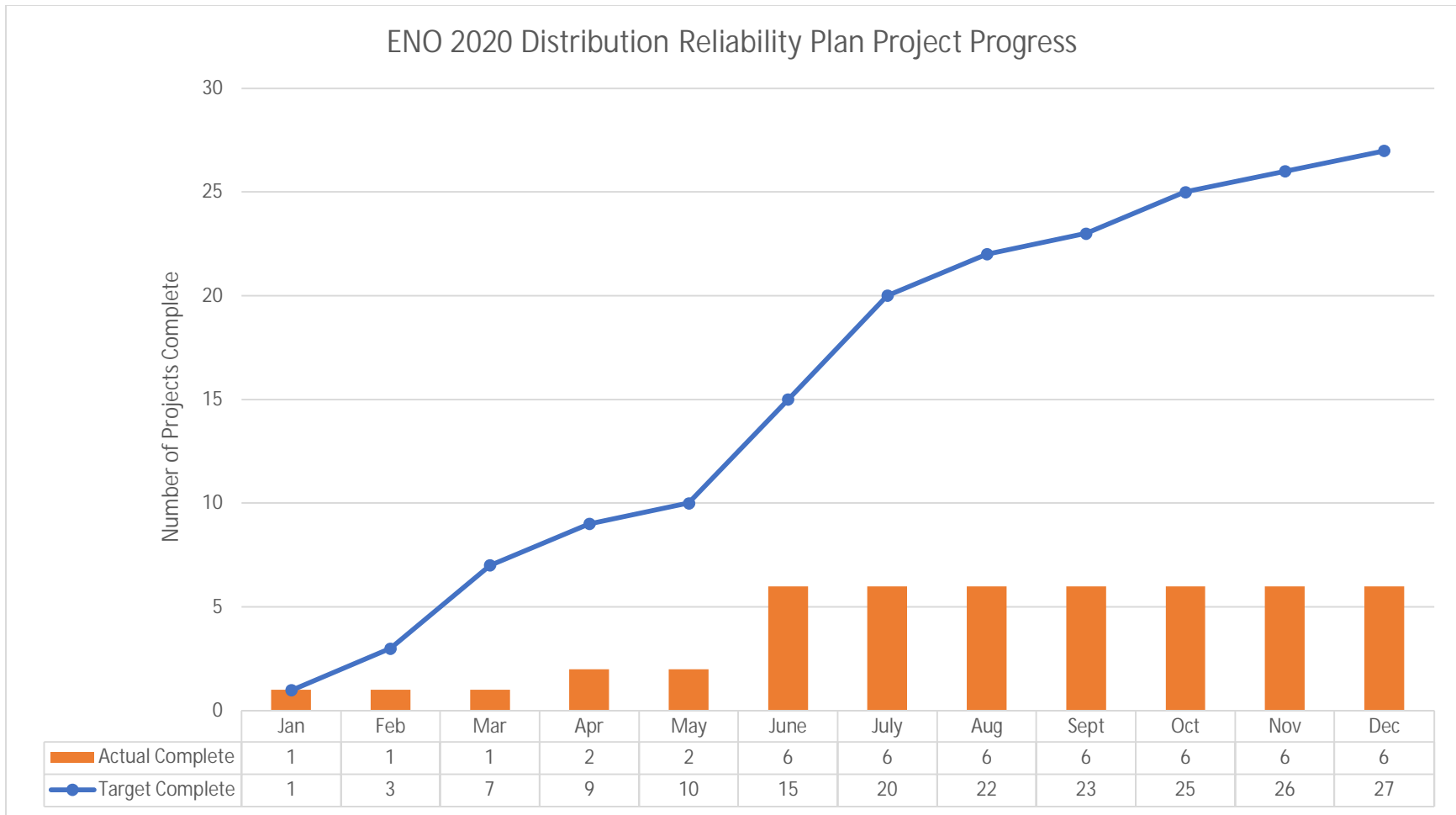
reclosers to the growing communications network. Currently approximately 25% of reclosers are on the automated network.

In the Underground program, while working in conjunction with planned transmission/substation work, we identified work to be performed on five 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.

Also attached hereto is a schedule of Transmission reliability projects scheduled to be worked in 2020, with costs incurred through June 2020.¹

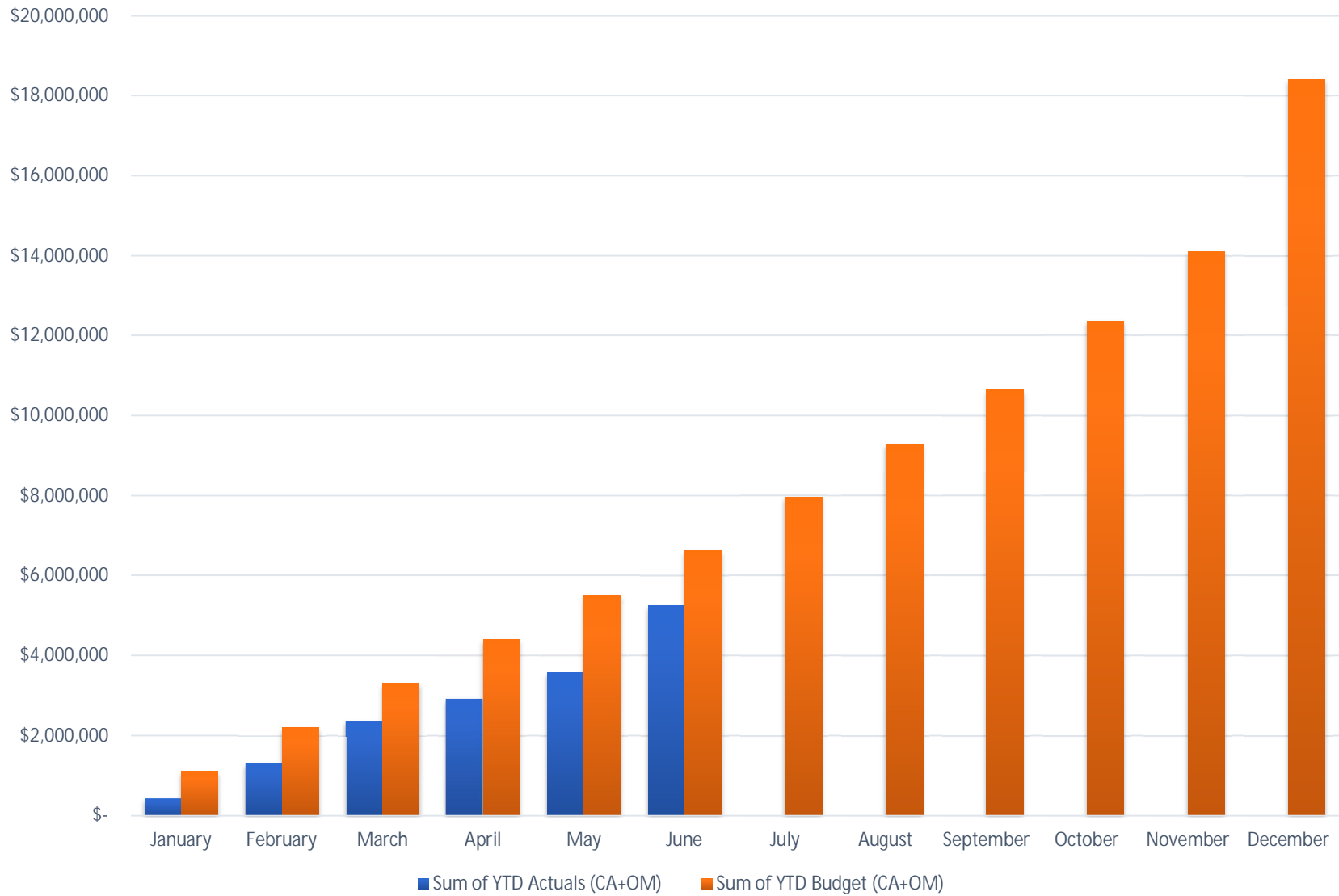
ENO is available to discuss this report, and reliability in general, in further detail, if desired.

¹ Transmission costs shown are as of June 30, 2020, but the construction status shown reflects the date of filing.



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

ENO 2020 Distribution Plan Spend



Funding Project	Sum of YTD Actuals	Sum of YTD Budget	Sum of YTD Variance
Internal (F1PPDA0198)	369,374	507,881	(138,507)
DA Acceleration / Sectionalization (F1PPDA1250)	114,175	241,728	(127,553)
Focus (F1PPDA1750)	3,642	335,607	(331,965)
Outage Causal Analysis (F1PPDA2650)	0	31,050	(31,050)
100% Lateral, FIN & Other Strategic Reliability (F1PPU25021)	3,497,143	2,358,138	1,139,005
Equipment Inspection & Maintenance (F1PPDA0598)	144	92,467	(92,323)
Backbone (F1PPDA0989)	61,576	117,913	(56,337)
Underground Safety, Network Improvement & Replacement (F1PPDA1550, F1PPU25008, F1PPUA5002)	779,417	1,427,026	(647,609)
Pole Program (F1PPUA5001)	420,680	1,400,157	(979,477)
Grid Mod Make Ready Work (F1PPUMKRED)	5,667	101,782	(96,115)
Conti Street Reconstruction (F1PPU27263)	5,775	0	5,775
Total	5,257,593	6,613,749	(1,356,156)

Note: The variances (underspend) are largely driven by having sent contract crews out of the Metro area for most of the previous reporting period as well as eliminating planned outages to support reliability work during stay-at-home orders. Our budgeted rate of spend in 100% Lateral, FIN and other Strategic was adjusted based on spend rate at the beginning of the year. However, once we were able to bring crews back into the city in May, we more than doubled the number of crews as we had originally scheduled to perform the work. Once we have regained the lost time, we will reduce the spend rate in this category.

Projects by Council District: A

% Work Complete ²	Name	Project Phase	Est. Start	Actual Start	Est. Finish	Actual Finish
88%	ENO 290 2019 100% Lateral Napoleon SBKR 1926	Construction	01/2020	1/20/2020	02/2020	-
0%	ENO 5 2020 100% Lateral JOLIET SBKR 2013	Construction Queue	03/2020	-	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	-
0%	Trip Saver - Napoleon 1916	Design Queue	06/2020	-	07/2020	-
0%	Trip Saver - Almonaster 615	Design Queue	06/2020	-	07/2020	-
0%	Trip Saver - Avenue C 403	Design Queue	06/2020	-	07/2020	-
0%	Exit Cable Replacement - Derbigny 1513	Construction Queue	06/2020	-	06/2020	-

² 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 ³	Name	Project Phase	Est. Start	Actual Start	Est. Finish	Actual Finish
88%	ENO 290 2019 100% Lateral Napoleon SBKR 1926	Construction	01/2020	1/20/2020	02/2020	-
31%	ENO 366 2019 100% Lateral Market SBKR 2147	Construction	01/2020	4/27/2020	05/2020	-
24%	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	-
0%	Trip Saver - Napoleon 1916	Design Queue	06/2020	-	07/2020	-
100%	Trip Saver - Napoleon 1925	Complete	06/2020	5/5/2020	07/2020	5/5/2020
0%	Exit Cable Replacement - Derbigny 1513	Construction Queue	06/2020	-	06/2020	-
0%	Exit Cable Replacement - Derbigny 1551	Construction Queue	06/2020	-	06/2020	-
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	03/2020	-	03/2020	-

³ 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 Complete ⁴	Name	Project Phase	Est. Start	Actual Start	Est. Finish	Actual Finish
16%	ENO 1 2020 100% Lateral ALMONASTER SBKR 614	Construction	01/2020	5/11/2020	02/2020	-
24%	ENO 3 2020 100% Lateral MIDTOWN SBKR 912	Construction	01/2020	5/4/2020	02/2020	-
54%	ENO 7 2020 100% Lateral SHERWOOD FOREST SBKR 611	Construction	04/2020	2/12/2020	05/2020	-
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 Queue	07/2020	-	08/2020	-
0%	ENO 15 2020 100% Lateral HOLIDAY (LA) SBKR W0115	Design Queue	08/2020	-	09/2020	-
100%	Trip Saver - Almonaster 611	Complete	06/2020	6/18/2020	07/2020	6/18/2020

⁴ 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 Complete ⁵	Name	Project Phase	Est. Start	Actual Start	Est. Finish	Actual Finish
16%	ENO 1 2020 100% Lateral ALMONASTER SBKR 614	Construction	01/2020	5/11/2020	02/2020	-
24%	ENO 3 2020 100% Lateral MIDTOWN SBKR 912	Construction	01/2020	5/4/2020	02/2020	-
9%	ENO 4 2020 100% Lateral PAUGER SBKR 1704	Construction	02/2020	6/1/2020	03/2020	-
54%	ENO 7 2020 100% Lateral SHERWOOD FOREST SBKR 611	Construction	04/2020	2/12/2020	05/2020	-
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
0%	Trip Saver - Almonaster 615	Design Queue	06/2020	-	07/2020	-
0%	Trip Saver - Avenue C 403	Design Queue	06/2020	-	07/2020	-
0%	Exit Cable Replacement - Pauger 1702	Design Queue	12/2020	-	12/2020	-

Projects by Council District: E

% Work Complete ⁶	Name	Project Phase	Est. Start	Actual Start	Est. Finish	Actual Finish
0%	ENO 2 2020 100% Lateral GULF OUTLET SBKR 1205	Construction Queue	02/2020	-	03/2020	-
0%	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

⁵ 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

⁶ 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

WO #s	Substation	Work Description	Construction Start Date	EST ISD	Actual ISD	Estimated 2020 Project Cost	YTD Actuals at end of June 2020
C6PPGR0139	ALMONASTER	Replace SEL-287 V with SEL-451 230kV Cap Bank Relay	3/30/2020	4/30/2020	4/14/2020	\$ 191,400	\$ 82,833
C6PPGR0074	CURRAN	Replace OCB #22BT-12	2/24/2020	3/5/2020	3/6/2020	\$ 148,500	\$ 60,731
C6PPKO1067	DERBIGNY	Add Standard Animal Mitigation	7/16/2020	12/31/2020	5/21/2020	\$ 35,200	\$ -
C6PPBU1557	NAPOLEON	Replace Feeder Breaker 1912-2 and disconnect	3/13/2020	3/20/2020	3/25/2020	\$ 178,200	\$ 99,693
C6PPBU1559	NAPOLEON	Replace Feeder Breaker 1911-2 and disconnect	3/2/2020	3/13/2020	3/20/2020	\$ 178,200	\$ 94,822
C6PPGR0060	NOTRE DAME	Replace XFMR Diff Panel on T4 Type: EM - WH HU CO11	1/15/2020	2/12/2020	2/12/2020	\$ 320,000	\$ 167,519
C6PPGR0144	SHERWOOD FOREST	Replace HV & LV Arresters on T2	3/1/2020	3/11/2020	3/11/2020	\$ 35,999	\$ -
C6PPGR0145	SHERWOOD FOREST	Replace LV Arresters on T4	5/25/2020	6/12/2020	6/22/2020	\$ 35,999	\$ 280
C6PPGR0093	SHERWOOD FOREST	Replace OCB Main Breaker 16T2-6 and Disconnects	5/4/2020	9/25/2020		\$ 396,000	\$ 271,228
C6PPKO1062	ALMONASTER	Add standard animal mitigation	6/22/2020	12/31/2020		\$ 55,440	\$ -
C6PPGR0158	CURRAN	Install Green Jacket Animal Mitigation	10/1/2020	12/31/2020		\$ 396,000	\$ -
C6PPGR0152	CURRAN	Replace/upgrade SCADA RTU Type: D-400S	9/7/2020	9/11/2020		\$ 125,400	\$ 6,890
C6PPGR0141	DELTA	Replace Switch N9810 (Motor Operator Only Replacement)	5/25/2020	7/31/2020		\$ 51,480	\$ 24,375
C6PPGR0140	DERBIGNY	Replace 1513-2 Feeder Breaker	9/28/2020	10/9/2020		\$ 178,200	\$ 123,710
C6PPGR0159	DERBIGNY	Replace 1551-2 Feeder Breaker	7/13/2020	7/31/2020		\$ 178,200	\$ 103,770
C6PPGR0148	GENTILLY	Replace 115kV OCB N1312 (T-Asset)	8/10/2020	8/28/2020		\$ 211,200	\$ 17,420
C6PPGR0160	GULF OUTLET	Replace/ Upgrade SCADA RTU type: D-20	7/6/2020	7/12/2020		\$ 225,192	\$ 76,691
C6PPGR0162	MARKET 230	Replace/Upgrade SCADA RTU type: D-20	9/21/2020	10/9/2020		\$ 125,400	\$ 117,074
C6PPGR0082	MICHOUD SWITCHYARD	Replace 115kV Bus CCVT A Phase (AT1)	9/21/2020	11/27/2020		\$ 21,700	\$ 9,645
C6PPGR0083	MICHOUD SWITCHYARD	Replace 115kV Bus CCVTs (3 Phase) (North Bus)	9/21/2020	10/30/2020		\$ 66,000	\$ 8,378
C6PPGR0090	MICHOUD SWITCHYARD	Replace 115kv OCB N1102 (230/115KV AUTO BKR)	11/2/2020	11/27/2020		\$ 184,800	\$ 94,687
C6PPGR0091	MICHOUD SWITCHYARD	Replace 115kv OCB N1105 (230/115KV AUTO BKR)	9/21/2020	11/27/2020		\$ 184,800	\$ 94,630
C6PPBU1553	NAPOLEON	Replace/upgrade SCADA RTU Type: D-20 M++	9/1/2020	9/30/2020		\$ 125,400	\$ 26,849
C6PPBU1554	NAPOLEON	Replace Feeder Breaker 1924-2 and disconnect	10/19/2020	11/6/2020		\$ 178,200	\$ 18,886
C6PPBU1555	NAPOLEON	Replace Feeder Breaker 1925-2 and disconnect	7/12/2020	7/31/2020		\$ 178,200	\$ 9,742
C6PPBU1556	NAPOLEON	Replace Feeder Breaker 1913-2 and disconnect	9/1/2020	9/30/2020		\$ 178,200	\$ 72,195
C6PPBU1558	NAPOLEON	Replace Feeder Breaker 1914-2 and disconnect	9/1/2020	9/30/2020		\$ 178,200	\$ 76,934
C6PPBU1560	NAPOLEON	Replace Feeder Breaker 1916-2 and disconnect	7/12/2020	7/31/2020		\$ 178,200	\$ 74,250
C6PPBU1561	NAPOLEON	Replace Feeder Breaker 1915-2 and disconnect	9/1/2020	9/30/2020		\$ 178,200	\$ 73,632
C6PPBU1562	NAPOLEON	Replace Feeder Breaker 1917-2 and disconnect	9/1/2020	9/30/2020		\$ 178,200	\$ 73,684
C6PPBU1563	NAPOLEON	Replace Feeder Breaker 1921-2 and disconnect	9/1/2020	9/30/2020		\$ 178,200	\$ 66,569
C6PPBU1564	NAPOLEON	Replace Feeder Breaker 1922-2 and disconnect	9/1/2020	9/30/2020		\$ 178,200	\$ 52,423
C6PPBU1565	NAPOLEON	Replace Feeder Breaker 1923-2 and disconnect	10/5/2020	10/16/2020		\$ 178,200	\$ 8,136
C6PPBU1566	NAPOLEON	Replace Feeder Breaker 1927-2 and disconnect	11/23/2020	12/4/2020		\$ 178,200	\$ 25,266
C6PPGR0164	NOTRE DAME	Replace / Upgrade SCADA RTU Type: D-20	8/31/2020	9/4/2020		\$ 125,400	\$ -
C6PPGR0165	NOTRE DAME	Add 3 DGA Monitor	8/31/2020	9/4/2020		\$ 219,120	\$ -
C6PPGR0166	PATTERSON	Replace / Upgrade SCADA RTU Type: D-20	10/5/2020	10/9/2020		\$ 263,208	\$ 3,975
C6PPBU1567	PAUGER	Replace 1705-2 Feeder Breaker	11/23/2020	12/4/2020		\$ 178,200	\$ 14,836
C6PPBU1568	PAUGER	Replace 1702-2 Feeder Breaker	10/26/2020	11/6/2020		\$ 178,200	\$ 12,771
C6PPBU1569	PAUGER	Replace 1704-2 Feeder Breaker	11/9/2020	11/20/2020		\$ 178,200	\$ 13,019
C6PPBU1572	PAUGER	Replace 17BT-24 Bus Tie Breaker	7/6/2020	7/24/2020		\$ 178,200	\$ 69,380
C6PPBU1573	PAUGER	Replace 1701-2 Feeder Breaker	10/5/2020	10/23/2020		\$ 178,200	\$ 12,869
C6PPBU1473	PAUGER	Replace XFMR Diff Panel on T2 Type: EM - WH HU/CO	10/12/2020	10/30/2020		\$ 330,000	\$ 2,374
C6PPBU1461	PAUGER	Replace 17T2-6 Main T2 Breaker	10/12/2020	10/30/2020		\$ 148,500	\$ 875
C6PPBU1490	PAUGER	Replace the SCADA Remote Terminal Units (RTU) with an RTAC RTU	11/30/2020	12/11/2020		\$ 148,500	\$ 11,695
C6PPBU1571	PAUGER	Add Two (2) DGA Monitors	10/12/2020	12/30/2020		\$ 153,120	\$ -
C6PPGR0095	PONTCHARTRAIN PARK	Add Standard Animal Mitigation	11/2/2020	12/31/2020		\$ 79,200	\$ -
C6PPGR0092	SHERWOOD FOREST	Replace OCB Main Breaker 16T4-6 and Disconnects	5/25/2020	9/25/2020		\$ 396,000	\$ 181,243

WO #s	Substation	Work Description	Construction Start Date	EST ISD	Actual ISD	Estimated 2020 Project Cost	YTD Actuals at end of June 2020
C6PPGR0153	SHERWOOD FOREST	Replace/upgrade SCADA RTU Type: D-20 ME (Non-Outage)	7/6/2020	7/17/2020		\$ 125,400	\$ 59,852
F1PPU75760	UpG Patrsn-Ponchtrn Pk 115kv	Upgraded TLine, and bus and switches at Patterson and Pontchartrain Par	7/15/2019	6/1/2020	3/13/2020	\$ 288,227	\$ 285,515
F1PPU51158	Gulf Outlet 115kV: Inst Cap Ba	Install new capbank	5/1/2020	12/1/2020	TBD	\$ 2,587,767	\$ 947,235
F1PPUX4897	Tricou- Energize Xfmr T2	Install new Transformer	2/15/2020	12/31/2020	TBD	\$ 3,476,883	\$ 404,405
F1PPUX6066	NOLA Solar- Sherwood Forest Fdrs	Install high side CCVT, replace fder brk 1612, upgrade relaying in fdr brk 16	3/2/2020	6/1/2020	5/8/2020	\$ 928,532	\$ 928,532
F1PPU50894	SPOF ELL -NMP Relaying Imprv	Install new relaying at Joliet, Labarre, Market & Southport	10/1/2020	6/30/2021	TBD	\$ 445,894	\$ 43,114
F1PPU51353	Lower Coast 230kV- Add Breaker	Install high side breakers	TBD	6/1/2022	TBD	\$ 371,748	\$ 91,073
F1PPU75782	Upgrade Ave C - Paris Tap line	Upgrade TLine and switches and bus work at Ave. C.	TBD	6/1/2021	TBD	\$ 162,694	\$ 39,176
F1PPU51248	Curran 230kV- Add Breaker	Install high side breakers	TBD	9/22/2022	TBD	\$ 333,225	\$ 58,450

\$ 17,083,327 \$ 5,213,333