



Entergy Services, LLC
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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 April 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 APRIL 30, 2020**

Entergy New Orleans, LLC (“ENO”) respectfully submits this Reliability Project Status Report to provide the Council with an update through April 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. Plans have been put in place to recover lost time with additional contract crews for the remainder of the year.

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 34 separate locations in the city during the reporting period.

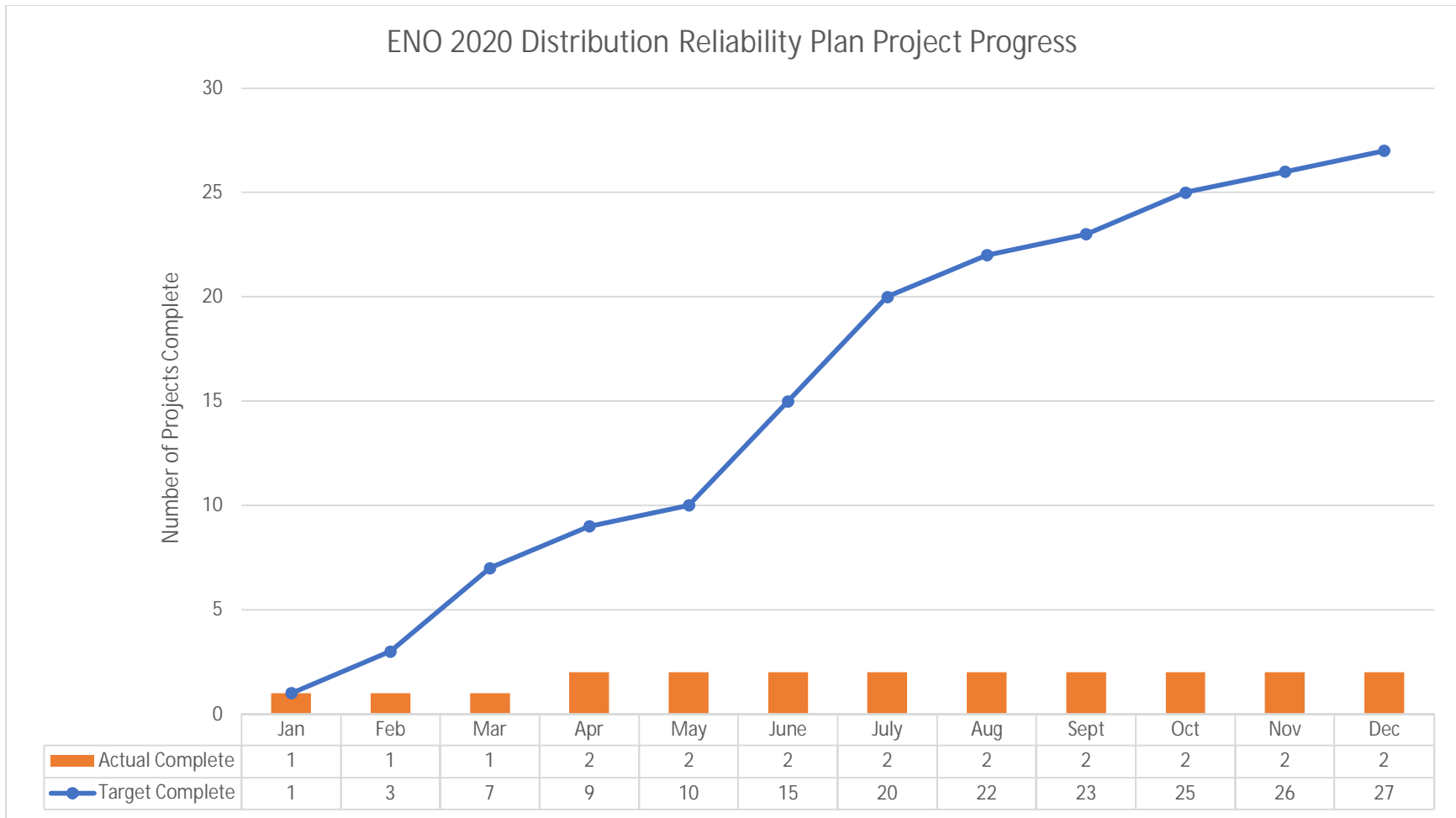
In the Sectionalization program, we identified seven potential locations to install Trip Saver devices. The progress of these devices is included in the chart below, increasing the total number of projects for the year. These projects are in the planning stage and we expect to include more detail in the next reporting period. Work has also continued on connecting exiting reclosers to the growing communications network. Currently approximately 25% of reclosers are on the automated network.

In the Underground program, working in conjunction with planned transmission/substation work, we have identified five sets of substation exit cables to be replaced. These are the points where power leaves the substation and a fault could affect a large number of customers. We believe that proactively replacing these cables will yield significant reliability benefits, reducing the potential for customer interruptions related to these cables.

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

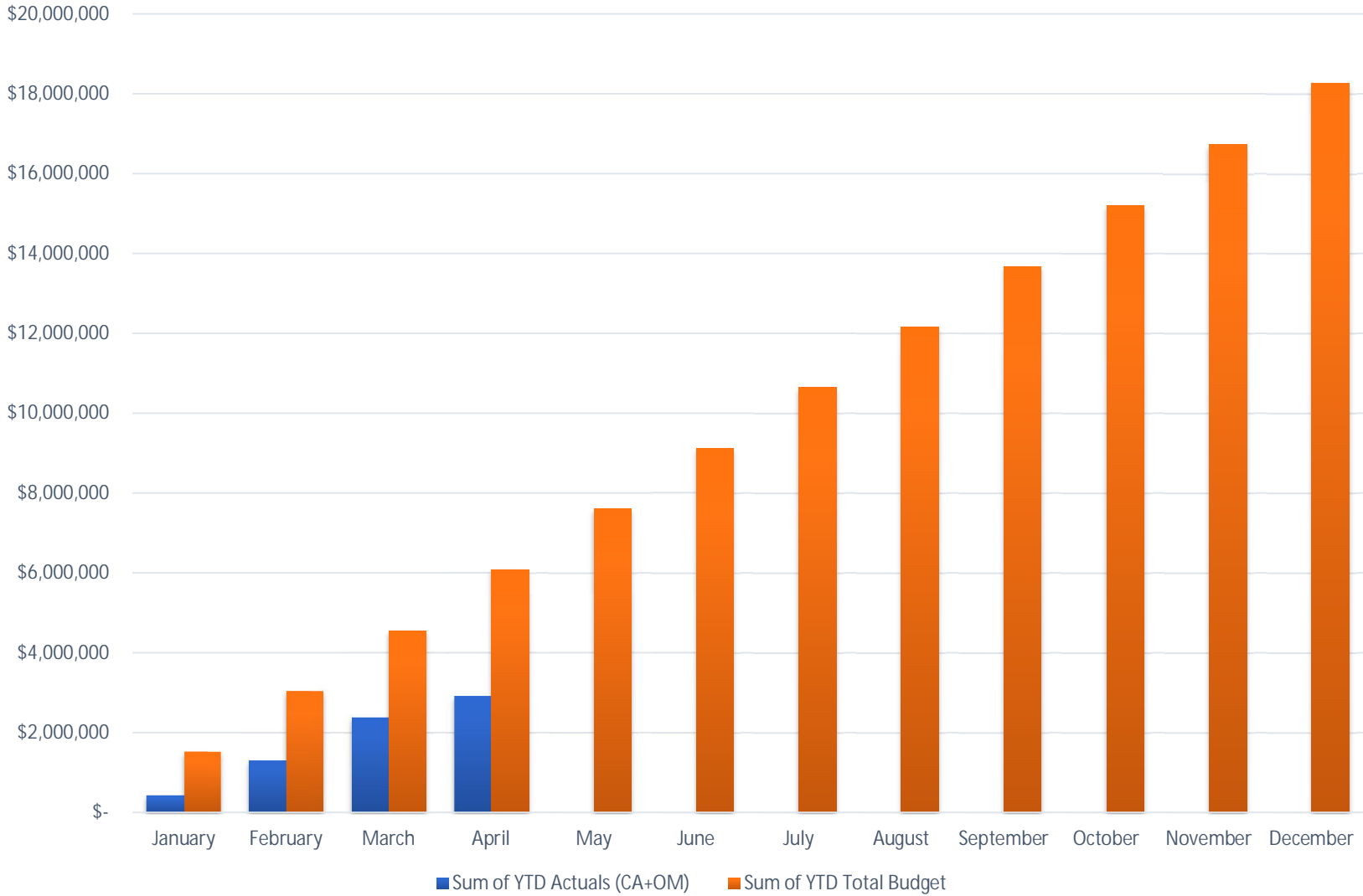
ENO is available to discuss this report, and reliability in general, in further detail, if desired.

¹ Transmission costs shown are as of February 29, 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)	280,073	338,888	(58,815)
DA Acceleration / Sectionlization (F1PPDA1250)	37,903	161,152	(123,249)
Focus (F1PPDA1750)	3,599	223,784	(220,185)
Outage Causal Analysis (F1PPDA2650)	0	20,700	(20,700)
100% Lateral, FIN & Other Strategic Reliability (F1PPU25021)	1,531,787	3,238,808	(1,707,021)
Equipment Inspection & Maintenance (F1PPDA0598)	145	61,619	(61,474)
Backbone (F1PPDA0989)	60,731	78,494	(17,763)
Underground Safety, Network Improvement & Replacement (F1PPDA1550, F1PPU25008, F1PPUA5002)	555,427	950,101	(394,674)
Pole Program (F1PPUA5001)	436,806	934,811	(498,005)
Grid Mod Make Ready Work (F1PPUMKRED)	7,173	68,000	(60,827)
Total	2,913,644	6,076,357	(3,162,713)

Note: The variances (underspend) are largely driven by having sent contract crews out of the Metro area for most of the reporting period as well as eliminating planned outages to support reliability work during stay-at-home orders.

Projects by Council District: A

% Work Complete ²	Name	Project Phase	Est. Start	Actual Start	Est. Finish	Actual Finish
78%	ENO 290 2019 100% Lateral Napoleon SBKR 1926: Summary	Construction	01/2020	1/20/2020	02/2020	-
0%	ENO 5 2020 100% Lateral JOLIET SBKR 2013: Summary	Construction Queue	03/2020	-	04/2020	-
0%	ENO 8 2020 100% Lateral NAPOLEON SBKR 1916: Summary	Construction Queue	05/2020	-	06/2020	-
0%	ENO 10 2020 100% Lateral JOLIET SBKR 2014: Summary	Design Queue	07/2020	-	08/2020	-
0%	ENO 11 2020 100% Lateral SOUTHPORT SBKR B0527: Summary	Design Queue	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
78%	ENO 290 2019 100% Lateral Napoleon SBKR 1926	Construction	01/2020	1/20/2020	02/2020	-
11%	ENO 366 2019 100% Lateral Market SBKR 2147	Construction	01/2020	4/27/2020	05/2020	-
6%	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	-
0%	Trip Saver - Napoleon 1925	Design Queue	06/2020	-	07/2020	-
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
0%	ENO 1 2020 100% Lateral ALMONASTER SBKR 614	Construction Queue	01/2020	5/11/2020	02/2020	-
6%	ENO 3 2020 100% Lateral MIDTOWN SBKR 912	Construction	01/2020	5/4/2020	02/2020	-
38%	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	October	-	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	Not Started	07/2020	-	08/2020	-
0%	ENO 15 2020 100% Lateral HOLIDAY (LA) SBKR W0115	Not Started	08/2020	-	09/2020	-
0%	Trip Saver - Almonaster 611	Design Queue	06/2020	-	07/2020	-

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
0%	ENO 1 2020 100% Lateral ALMONASTER SBKR 614	Construction Queue	01/2020	5/11/2020	02/2020	-
6%	ENO 3 2020 100% Lateral MIDTOWN SBKR 912	Construction	01/2020	5/4/2020	02/2020	-
0%	ENO 4 2020 100% Lateral PAUGER SBKR 1704	Construction Queue	02/2020	6/1/2020	03/2020	-
38%	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	October	-	11/2020	-
0%	Trip Saver - Almonaster 611	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 - 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 Queue	06/2020	5/14/2020	07/2020	-
0%	Trip Saver - Gulf Outlet 1203	Design Queue	06/2020	-	07/2020	-
0%	Trip Saver - Sherwood Forest 1604	Design Queue	06/2020	-	07/2020	-

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 April 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	\$ 68,606
C6PPGR0074	CURRAN	Replace OCB #22BT-12	2/24/2020	3/5/2020	3/6/2020	\$ 148,500	\$ 59,001
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	\$ 98,570
C6PPBU1559	NAPOLEON	Replace Feeder Breaker 1911-2 and disconnect	3/2/2020	3/13/2020	3/20/2020	\$ 178,200	\$ 87,732
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	\$ 167,512
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	\$ 155
C6PPGR0093	SHERWOOD FOREST	Replace OCB Main Breaker 16T2-6 and Disconnects	5/4/2020	9/25/2020		\$ 396,000	\$ 144,001
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	\$ 1,498
C6PPGR0141	DELTA	Replace Switch N9810 (Motor Operator Only Replacement)	5/25/2020	7/31/2020		\$ 51,480	\$ 24,298
C6PPGR0140	DERBIGNY	Replace 1513-2 Feeder Breaker	9/28/2020	10/9/2020		\$ 178,200	\$ 104,237
C6PPGR0159	DERBIGNY	Replace 1551-2 Feeder Breaker	7/13/2020	7/31/2020		\$ 178,200	\$ 89,499
C6PPGR0148	GENTILLY	Replace 115kV OCB N1312 (T-Asset)	8/10/2020	8/28/2020		\$ 211,200	\$ 3,308
C6PPGR0160	GULF OUTLET	Replace/ Upgrade SCADA RTU type: D-20	7/6/2020	7/12/2020		\$ 225,192	\$ 5,490
C6PPGR0162	MARKET 230	Replace/Upgrade SCADA RTU Type: D-20	9/21/2020	10/9/2020		\$ 125,400	\$ 88,934
C6PPGR0082	MICHOUD SWITCHYARD	Replace 115kV Bus CCVT A Phase (AT1)	9/21/2020	11/27/2020		\$ 21,700	\$ 2,606
C6PPGR0083	MICHOUD SWITCHYARD	Replace 115kV Bus CCVTs (3 Phase) (North Bus)	9/21/2020	10/30/2020		\$ 66,000	\$ 1,504
C6PPGR0090	MICHOUD SWITCHYARD	Replace 115kv OCB N1102 (230/115KV AUTO BKR)	11/2/2020	11/27/2020		\$ 184,800	\$ 2,158
C6PPGR0091	MICHOUD SWITCHYARD	Replace 115kv OCB N1105 (230/115KV AUTO BKR)	9/21/2020	11/27/2020		\$ 184,800	\$ 2,101
C6PPBU1553	NAPOLEON	Replace/upgrade SCADA RTU Type: D-20 M++	9/1/2020	9/30/2020		\$ 125,400	\$ 7,800
C6PPBU1554	NAPOLEON	Replace Feeder Breaker 1924-2 and disconnect	10/19/2020	11/6/2020		\$ 178,200	\$ 12,300
C6PPBU1555	NAPOLEON	Replace Feeder Breaker 1925-2 and disconnect	7/12/2020	7/31/2020		\$ 178,200	\$ 4,545
C6PPBU1556	NAPOLEON	Replace Feeder Breaker 1913-2 and disconnect	9/1/2020	9/30/2020		\$ 178,200	\$ 69,398
C6PPBU1558	NAPOLEON	Replace Feeder Breaker 1914-2 and disconnect	9/1/2020	9/30/2020		\$ 178,200	\$ 68,268
C6PPBU1560	NAPOLEON	Replace Feeder Breaker 1916-2 and disconnect	7/12/2020	7/31/2020		\$ 178,200	\$ 60,236
C6PPBU1561	NAPOLEON	Replace Feeder Breaker 1915-2 and disconnect	9/1/2020	9/30/2020		\$ 178,200	\$ 71,789
C6PPBU1562	NAPOLEON	Replace Feeder Breaker 1917-2 and disconnect	9/1/2020	9/30/2020		\$ 178,200	\$ 53,893
C6PPBU1563	NAPOLEON	Replace Feeder Breaker 1921-2 and disconnect	9/1/2020	9/30/2020		\$ 178,200	\$ 24,671
C6PPBU1564	NAPOLEON	Replace Feeder Breaker 1922-2 and disconnect	9/1/2020	9/30/2020		\$ 178,200	\$ 29,934
C6PPBU1565	NAPOLEON	Replace Feeder Breaker 1923-2 and disconnect	10/5/2020	10/16/2020		\$ 178,200	\$ 4,025
C6PPBU1566	NAPOLEON	Replace Feeder Breaker 1927-2 and disconnect	11/23/2020	12/4/2020		\$ 178,200	\$ 19,727
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	\$ 3,663
C6PPBU1567	PAUGER	Replace 1705-2 Feeder Breaker	11/23/2020	12/4/2020		\$ 178,200	\$ 8,958
C6PPBU1568	PAUGER	Replace 1702-2 Feeder Breaker	10/26/2020	11/6/2020		\$ 178,200	\$ 6,898
C6PPBU1569	PAUGER	Replace 1704-2 Feeder Breaker	11/9/2020	11/20/2020		\$ 178,200	\$ 6,059
C6PPBU1572	PAUGER	Replace 17BT-24 Bus Tie Breaker	7/6/2020	7/24/2020		\$ 178,200	\$ 21,410
C6PPBU1573	PAUGER	Replace 1701-2 Feeder Breaker	10/5/2020	10/23/2020		\$ 178,200	\$ 5,976
C6PPBU1473	PAUGER	Replace XFMR Diff Panel on T2 Type: EM - WH HU/CO	10/12/2020	10/30/2020		\$ 330,000	\$ 2,092
C6PPBU1461	PAUGER	Replace 17T2-6 Main T2 Breaker	10/12/2020	10/30/2020		\$ 148,500	\$ 845
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	\$ 149,512
C6PPGR0153	SHERWOOD FOREST	Replace/upgrade SCADA RTU Type: D-20 ME (Non-Outage)	7/6/2020	7/17/2020		\$ 125,400	\$ 2,609
F1PPU75760	UpG Patrsn-Ponchtrn Pk 115kv	Upgraded TLine, and bus and switches at Patterson and Pontchartrain Park	7/15/2019	6/1/2020	3/13/2020	\$ 288,227	\$ 283,276

WO #s	Substation	Work Description	Construction Start Date	EST ISD	Actual ISD	Estimated 2020 Project Cost	YTD Actuals at end of April 2020
F1PPU51158	Gulf Outlet 115kV: Inst Cap Ba	Install new capbank	5/1/2020	12/1/2020	TBD	\$ 2,587,767	\$ 488,697
F1PPUX4897	Tricou- Energize Xfmr T2	Install new Transformer	2/15/2020	12/31/2020	TBD	\$ 3,476,883	\$ 243,443
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	\$ 928,532	\$ 781,558
F1PPU50894	SPOF ELL -NMP Relaying Imprv	Install new relaying at Joliet, Labarre, Market & Southport	10/1/2020	6/30/2021	TBD	\$ 445,894	\$ 34,169
F1PPU51353	Lower Coast 230kV- Add Breaker	Install high side breakers	TBD	6/1/2022	TBD	\$ 371,748	\$ 19,975
F1PPU75782	Upgrade Ave C - Paris Tap line	Upgrade TLine and switches and bus work at Ave. C.	TBD	6/1/2021	TBD	\$ 162,694	\$ 6,235
F1PPU51248	Curran 230kV- Add Breaker	Install high side breakers	TBD	9/22/2022	TBD	\$ 333,225	\$ 805

\$ 17,083,327 \$ 3,455,673