



Control Number: 49066



Item Number: 7

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**CENTERPOINT ENERGY  
TRANSMISSION CONSTRUCTION PROGRESS REPORT  
for  
January 2019**

Public Utility Commission of Texas  
Project No. **49066**

| Project Number | Project Name                                           | Location (City/County)                                       | Description                                                                                                                                               | Estimated (or Actual) Start Date | Final Date (Construction Complete) | Date Energized (If Applicable) | Initial Estimated Project Cost (\$) | Final Estimated Project Cost (\$) | Final Actual Project Cost (\$) | % Variance | Percent Complete | Existing Voltage (kV) | Upgraded or New Voltage (kV) | Circuit Length (Miles)                       | Conductor Type & Size & Bundling                      | Structure Type(s)                         | Existing ROW Width (Feet)    | Existing ROW Length (Miles) | New ROW Width (Feet) | New ROW Length (Miles) | Rule Section or PUC Control Number                                             | Comments                                                                                                                                              |                                                                                                                                                       |
|----------------|--------------------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------------------------|--------------------------------|-------------------------------------|-----------------------------------|--------------------------------|------------|------------------|-----------------------|------------------------------|----------------------------------------------|-------------------------------------------------------|-------------------------------------------|------------------------------|-----------------------------|----------------------|------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 881            | Cedar Bayou-Chambers-King-North Belt T.H. Wharton      | Baytown, Mont Belvieu, Houston, Chambers, Harris             | Modification of 345 kV Ckt. 87A, 87B, 87C, 87E, and 89C for maintaining line clearance                                                                    | 05/06/14                         | 03/30/19                           | 02/02/15                       | N/A                                 | \$4,087,000                       |                                | 98%        | 345              | N/A                   | 87.91                        | 2-459.8 ACSS, 2-1433.6 ACSS                  | Steel Towers, Steel Poles                             | 150-566 Substation Property               | 49.89                        | N/A                         | N/A                  | N/A                    | 25.83(a)(3)                                                                    | No GIS information required - No segment falls outside of the existing ROW                                                                            |                                                                                                                                                       |
| 891            | T.H. Wharton-Farbanks                                  | Houston, Harris                                              | Partial Rebuild and Partial Reconstructor of 138 kV Ckt. 81C                                                                                              | 10/02/17                         | 12/20/18                           | 03/12/18                       | N/A                                 | \$2,923,000                       | \$4,343,723                    | 56%        | 100%             | 138                   | N/A                          | 3.63                                         | 2-459.8 ACSS                                          | Steel Towers, Concrete Poles, Wood Poles  | 30-110 Substation Property   | 3.63                        | N/A                  | N/A                    | N/A                                                                            | 25.101(c)(5)(B)                                                                                                                                       | Construction complete - No GIS information required - No segment falls outside of the existing ROW                                                    |
| 914            | H.O. Clarke Tap                                        | Houston, Harris                                              | Partial Rebuild of 69 kV Ckt. 34B and 138 kV Ckt. 72A, 138 kV Service to H.O. Clarke Substation within one mile of Ckt. 08E                               | 10/08/18                         | 04/03/19                           |                                | N/A                                 | \$2,119,000                       |                                | 60%        | 69               | 138                   | N/A                          | 1.17                                         | 785 ACSS, 2-827.2 ACAR                                | Steel Towers, Steel Poles                 | 445-514 Substation Property  | 0.52                        | N/A                  | N/A                    | N/A                                                                            | 25.101(c)(5)(A)                                                                                                                                       | No GIS information required - No segment falls outside of the existing ROW                                                                            |
| 983            | AMOCO-Algoa Corner                                     | League City, Alvin, Galveston, Brazoria                      | Partial Rebuild and Partial Reconstructor of 138 kV Ckt. 04A                                                                                              | 01/18/16                         | 02/29/19                           | 06/10/18                       | N/A                                 | \$29,912,000                      |                                | 98%        | 138              | N/A                   | 13.38                        | 2-959.8 ACSS                                 | Steel Towers, Concrete Poles                          | 80-770 Substation Property                | 13.38                        | N/A                         | N/A                  | N/A                    | 25.101(c)(5)(B)                                                                | No GIS information required - No segment falls outside of the existing ROW                                                                            |                                                                                                                                                       |
| 963.1          | AMOCO_MONSAN                                           | Brazoria                                                     | Partial Rebuild and Reconstructor of 138 kV Ckt. 04B                                                                                                      | 04/03/16                         | 03/29/19                           | 07/18/18                       | N/A                                 | \$4,285,000                       |                                | 98%        | 138              | N/A                   | 5.21                         | 2-827.2 ACAR, 2-959.8 ACSS                   | Steel Towers                                          | 80-100 Substation Property                | 5.21                         | N/A                         | N/A                  | N/A                    | 25.101(c)(5)(B)                                                                | No GIS information required - No segment falls outside of the existing ROW                                                                            |                                                                                                                                                       |
| 840.7          | Freeport-CORTEZ                                        | Freeport, Cuddles, Brazoria                                  | Partial Rebuild and Partial Reconstructor of 138 kV Cts. 59H, 59I, and 59K                                                                                | 03/06/17                         | 04/30/19                           | 03/19/18                       | N/A                                 | \$18,603,000                      |                                | 98%        | 138              | N/A                   | 7.10                         | 2-1433.6 ACSS                                | Concrete Poles, Steel Poles                           | 25-125, Street                            | 3.55                         | N/A                         | N/A                  | N/A                    | 25.101(c)(5)(B)                                                                | No GIS information required - No segment falls outside of the existing ROW                                                                            |                                                                                                                                                       |
| 974            | US 59 @ IH 610                                         | Houston, Harris                                              | Alteration of 138 kV Cts. 05E, 24B, and 35E; Alteration of 345 kV Cts. 64B and 72B as requested by TxDOT for highway construction                         | 11/17/16                         | 04/03/18                           | 05/09/17                       | N/A                                 | \$9,565,000                       |                                | 99%        | 138              | 345                   | N/A                          | 3.29                                         | 2-795 AAC, 2000 AAC, 2-2167 ACBR                      | Steel Towers, Steel Poles                 | 130-183                      | 0.84                        | N/A                  | N/A                    | N/A                                                                            | 25.101(c)(5)(F)                                                                                                                                       | Construction complete. CIAC to be paid by TxDOT. No GIS information required - No segment falls outside of the existing ROW                           |
| 1122           | Retrieva Substation                                    | Brazoria                                                     | 138 kV Service to Retrieva Substation within one mile of Ckt. 0CC                                                                                         | 01/11/18                         | 09/13/18                           | 04/24/18                       | N/A                                 | \$440,421                         | \$285,290                      | -33%       | 100%             | 138                   | N/A                          | 0.09                                         | 2-959.8 ACSS                                          | Steel Towers, Concrete Poles              | 80 Substation Property       | 0.09                        | N/A                  | N/A                    | N/A                                                                            | 25.101(c)(5)(A)                                                                                                                                       | Construction complete. Actual cost to be paid by Phillips 66. Last time to report.                                                                    |
| 936            | Bellare-Eureka                                         | Houston, Harris                                              | Partial Rebuild of 138 kV Cts. 09C and 37B; Reconstructor of 138 kV Ckt. 09C; Partial Rebuild of 69 kV Ckt. 34B; Partial Reconstructor of 138 kV Ckt. 09C | 02/13/17                         | 04/30/19                           | 03/08/18                       | N/A                                 | \$3,937,000                       |                                | 98%        | 138              | N/A                   | 4.47                         | 2-785 AAC, 2-959.8 ACSS                      | Steel Towers, Concrete Poles, Steel Poles             | 70-130 Substation Property                | 2.26                         | N/A                         | N/A                  | N/A                    | 25.101(c)(5)(B)                                                                | No GIS information required - No segment falls outside of the existing ROW                                                                            |                                                                                                                                                       |
| 986.1          | CHANEL-Deepwater                                       | Houston, Harris                                              | Partial Upgrade of 69 kV Ckt. 55E to 138 kV; Partial Rebuild and Partial Reconstructor of 69 kV Ckt. 55E                                                  | 05/01/17                         | 04/30/19                           | 04/12/18                       | N/A                                 | \$7,671,000                       |                                | 98%        | 69               | 138                   | 2.61                         | 2-959.8 ACSS                                 | Steel Towers, Steel Poles                             | 45-110                                    | 1.30                         | N/A                         | N/A                  | N/A                    | 25.101(c)(5)(B)                                                                | No GIS information required - No segment falls outside of the existing ROW                                                                            |                                                                                                                                                       |
| 963            | TEDWAL Substation                                      | Houston, Harris                                              | 69 kV Service to TEDWAL Substation within one mile of Ckt. 10A                                                                                            | 08/29/17                         | 08/03/18                           | 04/17/18                       | N/A                                 | \$1,013,000                       |                                | 90%        | 69               | N/A                   | 0.04                         | 785 AAC, 2-959.8 ACSS                        | Steel Towers                                          | N/A                                       | N/A                          | 114-135                     | 0.02                 | 25.101(c)(5)(A)        | Construction complete. Actual cost to be paid by Magellan Pipeline Company, LP |                                                                                                                                                       |                                                                                                                                                       |
| 989            | Bellway 8 Crossings                                    | Harris                                                       | Alteration of 138 kV Cts. 08C, 84C, 84C, 84C and 88D and 69 kV Cts. 15A and 22A as requested by Harris County for road construction                       | 10/02/17                         | 03/06/19                           | 12/11/17                       | N/A                                 | \$3,380,000                       |                                | 98%        | 69               | 138                   | N/A                          | 1.43                                         | 2-785 AAC, 2000 AAC                                   | Steel Towers, Concrete Poles, Steel Poles | 70-165 Railroad              | 0.69                        | N/A                  | N/A                    | N/A                                                                            | 25.101(c)(5)(F)                                                                                                                                       | Harris County has agreed to pay up to \$1,983,700 in CIAC. No GIS information required - No segment falls outside of the existing ROW                 |
| 1005           | HUDSON Substation                                      | Brazoria                                                     | 138 kV Service to HUDSON Substation within one mile of Ckt. 04A                                                                                           | 12/13/17                         | 04/03/19                           | 11/17/18                       | N/A                                 | \$1,269,000                       |                                | 98%        | 138              | N/A                   | 0.18                         | 2-959.8 ACSS                                 | Steel Towers, Concrete Poles                          | N/A                                       | N/A                          | 100-114                     | 0.08                 | 25.101(c)(5)(A)        | Actual cost to be paid by INEOS USA, LLC.                                      |                                                                                                                                                       |                                                                                                                                                       |
| 1220           | Hurricane Harvey Transmission Emergency Restoration    | Houston, Harris, Brazoria, Fort Bend, Waller, Austin, Waller | Repair and Reconstruction of 345 kV 138 kV, and 69 kV Transmission Facilities due to Hurricane Harvey                                                     | 08/25/17                         | 04/03/19                           | 09/15/17                       | N/A                                 | \$29,845,000                      |                                | 98%        | 69               | 138                   | N/A                          | 10.38                                        | Various                                               | Steel Towers, Wood 11-Frames, Steel Poles | Various, Substation Property | 4.78                        | N/A                  | N/A                    | N/A                                                                            | 25.101(c)(3)                                                                                                                                          | Initial Transmission Service was restored on 9/15/17. No new ROW required. No GIS information required - No segment falls outside of the existing ROW |
| 991            | PATRICK Substation                                     | Deer Park, Harris                                            | 138 kV Service to PATRICK Substation within one mile of Ckt. 05J; Partial Rebuild of 69 kV Cts. 16A and 23A                                               | 01/06/18                         | 04/30/19                           | 11/21/18                       | N/A                                 | \$1,215,000                       |                                | 98%        | 69               | 138                   | N/A                          | 0.38                                         | 2-959.8 ACSS, 2000 AAC                                | Concrete Poles, Steel Poles               | 102                          | 0.18                        | 62-110               | 0.02                   | 25.101(c)(5)(A)                                                                | Actual cost to be paid by The Lubrizol Corporation                                                                                                    |                                                                                                                                                       |
| 994            | DERICK Substation                                      | Pasadena, Harris                                             | 138 kV Service to DERICK Substation within one mile of Ckt. 85C                                                                                           | 02/05/18                         | 06/13/18                           | 05/09/18                       | N/A                                 | \$775,000                         |                                | 99%        | 138              | N/A                   | 0.20                         | 2-959.8 ACSS                                 | Concrete Poles                                        | N/A                                       | N/A                          | 70-152                      | 0.10                 | 25.101(c)(5)(A)        | Actual cost to be paid by Magellan Terminals Holding, LP                       |                                                                                                                                                       |                                                                                                                                                       |
| 1119.1         | King-H.O. Clarke                                       | Houston, Harris                                              | Partial Rebuild and Partial Reconstructor of 138 kV Ckt. 08D; Partial Reconstructor of 138 kV Ckt. 08A                                                    | 04/09/18                         | 04/30/19                           |                                | N/A                                 | \$4,608,000                       |                                | 40%        | 138              | N/A                   | 1.73                         | 2-959.8 ACSS                                 | Steel Towers, Steel Poles                             | 100                                       | 1.73                         | N/A                         | N/A                  | 25.101(c)(5)(B)        | No GIS information required - No segment falls outside of the existing ROW     |                                                                                                                                                       |                                                                                                                                                       |
| 2017.1         | East Bernard-Peters                                    | East Bernard, Wallis, Seely, Austin, Wharton                 | Routine maintenance of 138 kV Ckt. 65A                                                                                                                    | 03/05/18                         | 04/03/19                           | 10/01/18                       | N/A                                 | \$487,000                         |                                | 98%        | 138              | N/A                   | 25.29                        | 785 AAC, 2-959.8 ACSS                        | Steel Towers, Wood Poles, Concrete Poles, Steel Poles | 80-323 Substation Property                | 25.29                        | N/A                         | N/A                  | N/A                    | 25.83(a)(3)                                                                    | No GIS information required - No segment falls outside of the existing ROW                                                                            |                                                                                                                                                       |
| 2017.2         | Tomball-Hockley                                        | Tomball, Houston, Harris                                     | Routine maintenance of 138 kV Ckt. 66B                                                                                                                    | 05/01/18                         | 03/30/19                           | 07/26/18                       | N/A                                 | \$560,000                         |                                | 98%        | 138              | N/A                   | 15.77                        | 785 AAC, 785 ACSS, 2-959.8 ACSS, 1433.6 ACSS | Steel Towers, Wood Poles, Concrete Poles, Steel Poles | 80-250 Substation Property                | 15.77                        | N/A                         | N/A                  | N/A                    | 25.83(a)(2)                                                                    | No GIS information required - No segment falls outside of the existing ROW                                                                            |                                                                                                                                                       |
| 930            | Galveston Causeway Crossing                            | Galveston                                                    | Partial Rebuild of 138 kV Cts. 01B and 03C                                                                                                                | 04/12/18                         | 04/03/19                           | 12/22/18                       | N/A                                 | \$11,770,000                      |                                | 93%        | 138              | N/A                   | 0.56                         | 785 AAC                                      | Steel Poles                                           | 190                                       | 0.28                         | N/A                         | N/A                  | N/A                    | 25.101(c)(5)(B)                                                                | No GIS information required - No segment falls outside of the existing ROW                                                                            |                                                                                                                                                       |
| 1180.2         | Ship Channel-ARTEK                                     | La Porte, Harris                                             | Partial Rebuild and Partial Reconstructor of 138 kV Ckt. 87A; Reconstructor of 138 kV Ckt. 87B; Partial Rebuild of 138 kV Cts. 87C and 06B                | 02/01/18                         | 11/03/19                           |                                | N/A                                 | \$3,057,000                       |                                | 90%        | 138              | N/A                   | 2.53                         | 2-959.8 ACSS, 2-955 ACSS-C7                  | Steel Towers, Concrete Poles                          | 150-250 Substation Property               | 2.33                         | N/A                         | N/A                  | N/A                    | 25.101(c)(5)(B)                                                                | No GIS information required - No segment falls outside of the existing ROW                                                                            |                                                                                                                                                       |
| 1219           | Katy-Fleming                                           | Katy, Fort Bend                                              | Partial Reconstructor of 138 kV Ckt. 05H                                                                                                                  | 02/05/19                         | 03/30/19                           | 07/05/18                       | N/A                                 | \$2,796,000                       |                                | 98%        | 138              | N/A                   | 8.29                         | 2-959.8 ACSS                                 | Steel Towers, Concrete Poles                          | 70-240 Substation Property                | 8.29                         | N/A                         | N/A                  | N/A                    | 25.101(c)(5)(B)                                                                | No GIS information required - No segment falls outside of the existing ROW                                                                            |                                                                                                                                                       |
| 1132           | DALTON Substation                                      | Chambers                                                     | 138 kV Service to DALTON Substation within one mile of Ckt. 66I; Modification of 138 kV Ckt. 66I for fiber optic cable                                    | 03/12/18                         | 04/30/19                           | 06/19/18                       | N/A                                 | \$2,433,000                       |                                | 98%        | 138              | N/A                   | 0.62                         | 2-827.2 ACAR, 2-959.8 ACSS                   | Steel Towers, Concrete Poles                          | 340                                       | 0.37                         | 80-119                      | 0.06                 | 25.101(c)(5)(A)        | Actual cost to be paid by Lone Star NGL Pipeline, LP                           |                                                                                                                                                       |                                                                                                                                                       |
| 1119.2         | Grain-TECO                                             | Houston, Harris                                              | Reconstructor of 138 kV Ckt. 37D; Partial Rebuild of 138 kV Ckt. 37D                                                                                      | 05/06/18                         | 02/29/19                           |                                | N/A                                 | \$1,203,000                       |                                | 75%        | 138              | N/A                   | 0.13                         | 2-959.8 ACSS                                 | Steel Towers, Steel Poles                             | 45 Substation Property                    | 0.13                         | N/A                         | N/A                  | N/A                    | 25.101(c)(5)(B)                                                                | No GIS information required - No segment falls outside of the existing ROW                                                                            |                                                                                                                                                       |
| 954.4          | Southwyck-Algoa Corner (Southwyck-Structure #32235)    | Pearland, Mammel, Brazoria                                   | Partial Rebuild and Partial Reconstructor of 138 kV Ckt. 05B                                                                                              | 05/01/18                         | 11/03/19                           |                                | N/A                                 | \$11,786,000                      |                                | 90%        | 138              | N/A                   | 9.82                         | 2-959.8 ACSS                                 | Steel Towers, Concrete Poles, Steel Poles             | 80 Substation Property                    | 9.82                         | N/A                         | N/A                  | N/A                    | 25.101(c)(5)(B)                                                                | No GIS information required - No segment falls outside of the existing ROW                                                                            |                                                                                                                                                       |
| 954.5          | Southwyck-Algoa Corner (Structure #32236-Algoa Corner) | Marwell, Alvin, League City, Brazoria                        | Partial Rebuild and Partial Reconstructor of 138 kV Ckt. 05B                                                                                              | 05/01/18                         | 11/03/19                           |                                | N/A                                 | \$30,999,000                      |                                | 90%        | 138              | N/A                   | 9.93                         | 2-959.8 ACSS                                 | Steel Towers, Concrete Poles, Steel Poles             | 80-140 Substation Property                | 9.93                         | N/A                         | N/A                  | N/A                    | 25.101(c)(5)(B)                                                                | No GIS information required - No segment falls outside of the existing ROW                                                                            |                                                                                                                                                       |
| 1001           | RUSSEL Substation                                      | Harris                                                       | 138 kV Service to RUSSEL Substation within one mile of Ckt. 84F                                                                                           | 05/01/18                         | 03/30/19                           |                                | N/A                                 | \$761,000                         |                                | 70%        | 138              | N/A                   | 0.17                         | 2-959.8 ACSS                                 | Steel Towers                                          | 310                                       | 0.13                         | 103-114                     | 0.02                 | 25.101(c)(5)(A)        | Actual cost to be paid by Braskem America, Inc.                                |                                                                                                                                                       |                                                                                                                                                       |
| 954.6          | Southwyck-Algoa Corner (Structures #32235-32236)       | Mammel, Brazoria                                             | Partial Rebuild and Partial Reconstructor of 138 kV Ckt. 05B                                                                                              | 06/01/18                         | 11/03/19                           |                                | N/A                                 | \$552,000                         |                                | 90%        | 138              | N/A                   | 0.18                         | 2-959.8 ACSS                                 | Steel Towers                                          | 80                                        | 0.12                         | 80                          | 0.04                 | 25.101(c)(5)(B)        | No GIS information required - No segment falls outside of the existing ROW     |                                                                                                                                                       |                                                                                                                                                       |
| 1037           | Angleton-PETSON/MONSAN                                 | Brazoria                                                     | Rebuild and Reconstructor of 138 kV Ckt. 01C; Rebuild and Reconstructor of 138 kV Ckt. 04D                                                                | 09/10/18                         | 08/03/19                           |                                | N/A                                 | \$32,996,000                      |                                | 25%        | 138              | N/A                   | 16.65                        | 2-959.8 ACSS                                 | Steel Towers, Concrete Poles                          | 80-180 Substation Property                | 16.65                        | N/A                         | N/A                  | N/A                    | 25.101(c)(5)(B)                                                                | No GIS information required - No segment falls outside of the existing ROW                                                                            |                                                                                                                                                       |
| 1115.2         | Jones Creek Loop                                       | Freeport, Brazoria                                           | 345 kV Service to Jones Creek Substation within one mile of Ckt. 27A                                                                                      | 06/01/18                         | 05/30/19                           |                                | N/A                                 | \$1,608,000                       |                                | 50%        | 345              | N/A                   | 1.66                         | 3-459.8 ACSS                                 | Steel Towers                                          | 440-500 Substation Property               | 0.83                         | N/A                         | N/A                  | N/A                    | 25.101(c)(5)(A)                                                                | No GIS information required - No segment falls outside of the existing ROW                                                                            |                                                                                                                                                       |
| 981.2          | GLOBAL Substation                                      | Freeport, Brazoria                                           | 138 kV Service to GLOBAL Substation within one mile of Ckt. 82C                                                                                           | 07/03/18                         | 03/30/19                           | 10/13/18                       | N/A                                 | \$1,683,000                       |                                | 96%        | 138              | N/A                   | 0.92                         | 2-959.8 ACSS                                 | Steel Poles                                           | N/A                                       | N/A                          | 70-157                      | 0.46                 | 25.101(c)(5)(A)        | Actual cost to be paid by MEGlobal Americas, Inc.                              |                                                                                                                                                       |                                                                                                                                                       |
| 986            | WHIMEL Substation                                      | Brazoria                                                     | 138 kV Service to WHIMEL Substation within one mile of Ckt. 28E                                                                                           | 07/06/18                         | 03/30/19                           |                                | N/A                                 | \$966,000                         |                                | 96%        | 138              | N/A                   | 0.48                         | 2-959.8 ACSS                                 | Steel Towers                                          | N/A                                       | N/A                          | 80-116                      | 0.24                 | 25.101(c)(5)(A)        | Actual cost to be paid by Texas Eastern Transmission, LP                       |                                                                                                                                                       |                                                                                                                                                       |
| 9              | P.H. Roberson Emergency Restoration                    | Galveston                                                    | Repair and Reconstruction of 138 kV Cts. 01X and 03B Transmission Facilities due to fire damage                                                           | 05/14/18                         | 03/30/19                           |                                | N/A                                 | \$314,000                         |                                | 90%        | 138              | N/A                   | 0.07                         | 2-959.8 ACSS, 2-785 AAC                      | Steel Towers, Steel Poles                             | 2410 Substation Property                  | 0.04                         | N/A                         | N/A                  | N/A                    | 25.101(c)(3)                                                                   | Initial Transmission Service was restored on 5/14/18. No new ROW required. No GIS information required - No segment falls outside of the existing ROW |                                                                                                                                                       |
| 987            | Imperial Tap                                           | Sugar Land, Fort Bend                                        | Partial Rebuild and Partial Reconstructor of 138 kV Ckt. 05G; Partial Bundling of 138 kV Ckt. 05G                                                         | 06/10/18                         | 05/30/19                           |                                | N/A                                 | \$10,899,000                      |                                | 90%        | 138              | N/A                   | 10.43                        | 785 AAC, 785 ACSS, 2-959.8 ACSS              | Steel Towers, Concrete Poles, Steel Poles             | 80-555 Substation Property                | 5.26                         | N/A                         | N/A                  | N/A                    | 25.101(c)(5)(B)                                                                | No GIS information required - No segment falls outside of the existing ROW                                                                            |                                                                                                                                                       |
| 1009           | CELWEST Substation                                     | Harris                                                       | 138 kV Service to CELWEST Substation within one mile of Cts. 94D and 94C                                                                                  | 09/04/18                         | 04/03/19                           |                                | N/A                                 | \$402,000                         |                                | 80%        | 138              | N/A                   | 0.25                         | 2-785 AAC                                    | Concrete Poles                                        | 107-120                                   | 0.13                         | N/A                         | N/A                  | N/A                    | 25.101(c)(5)(A)                                                                | Actual cost to be paid by Celanese, Ltd.                                                                                                              |                                                                                                                                                       |
| 1128           | North Belt-Greens Tap-Lockwood                         | Houston, Harris                                              | Partial Rebuild and Partial Reconstructor of 138 kV Cts. 86E and 90C                                                                                      | 09/18/18                         | 10/30/19                           |                                | N/A                                 | \$10,411,000                      |                                | 40%        | 138              | N/A                   | 10.40                        | 2-959.8 ACSS                                 | Steel Towers, Concrete Poles, Steel Poles             | 50-200 Substation Property                | 5.25                         | N/A                         | N/A                  | N/A                    | 25.101(c)(5)(B)                                                                | No GIS information required - No segment falls outside of the existing ROW                                                                            |                                                                                                                                                       |
| 1152           | Red Bluff Substation                                   | Harris                                                       | 138 kV Service to Red Bluff Substation within one mile of Ckt. 79E                                                                                        | 10/09/18                         | 11/03/19                           |                                | N/A                                 | \$267,000                         |                                | 75%        | 138              | N/A                   | 1.10                         | 2-959.8 ACSS                                 | Concrete Poles, Steel Poles                           | N/A                                       | N/A                          | 100-300                     | 0.55                 | 25.101(c)(5)(A)        | No GIS information required - No segment falls outside of the existing ROW     |                                                                                                                                                       |                                                                                                                                                       |
| 1162           | Waller Substation                                      | Waller, Waller                                               | 138 kV Service to Waller Substation within one mile of Cts. 69B and 77B                                                                                   | 08/01/18                         | 05/30/20                           |                                | N/A                                 | \$267,000                         |                                | 30%        | 138              | N/A                   | 0.18                         | 785 AAC                                      | Steel Towers, Concrete Poles                          | 80 Substation Property                    | 0.09                         | N/A                         | N/A                  | N/A                    | 25.101(c)(5)(A)                                                                | No GIS information required - No segment falls outside of the existing ROW                                                                            |                                                                                                                                                       |

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Public Utility Commission of Texas  
Project No. **49066**

| Utility's<br>Project<br>Number | Project Name                            | Location (City/County)                                                                   | Description                                                                                                                | Estimated (or Actual)<br>Start Date | Finish Date<br>(Construction<br>Complete) | Date Energized<br>(if Applicable) | Initial Estimated<br>Project Cost (\$)                                          | Final Estimated<br>Project Cost (\$)                                            | Final Actual<br>Project Cost (\$) | #<br>Mileage | Percent<br>Complete | Existing<br>Voltage<br>(kV) | Upgraded<br>or New<br>Voltage<br>(kV) | Circuit<br>Length<br>(Miles) | Conductor Type &<br>Size & Bundling                             | Structure Type(s)                                                            | Existing ROW<br>Width (Feet)               | Existing<br>ROW Length<br>(Miles) | New ROW<br>Width (Feet) | New ROW<br>Length (Miles) | Rule Section or PUC<br>Control Number | Comments                                                                                                               |
|--------------------------------|-----------------------------------------|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------|-----------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------|--------------|---------------------|-----------------------------|---------------------------------------|------------------------------|-----------------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------|-------------------------|---------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| 2018                           | WA Parish-Jeanette                      | Houston, Meadows Place, Sugar Land, Stafford, Missouri City, Thompsons Harris, Fort Bend | Routine maintenance of 138 kV Ckt. 05D                                                                                     | 10/15/18                            | 07/30/19                                  |                                   | N/A                                                                             | \$530,000                                                                       |                                   |              | 90%                 | 138                         | N/A                                   | 28.09                        | 705 AAC<br>2 705 ACSR<br>2 659 8 ACSS<br>2 157 ACSR             | Steel Towers<br>Wood Poles<br>Wood H-Frames<br>Concrete Poles<br>Steel Poles | 50-80<br>Substation<br>Property            | 28.99                             | N/A                     | N/A                       | 25.83(a)(3)                           | No GIS information required - No segment falls outside of the existing ROW                                             |
| 2018.1                         | WA Parish-Dilmore                       | Houston, Meadows Place, Sugar Land, Stafford, Thompsons Harris, Fort Bend                | Routine maintenance of 138 kV Ckt. 06A                                                                                     | 10/08/18                            | 06/30/19                                  |                                   | N/A                                                                             | \$847,000                                                                       |                                   |              | 60%                 | 138                         | N/A                                   | 23.62                        | 2 705 AAC,<br>2 705 ACSR                                        | Steel Towers,<br>Wood H Frames<br>Concrete Poles,<br>Steel Poles             | 150-400,<br>Substation<br>Property         | 23.62                             | N/A                     | N/A                       | 25.83(a)(3)                           | No GIS information required - No segment falls outside of the existing ROW                                             |
| 888                            | Cerife Tap                              | Harris                                                                                   | Partial Rebuild and Partial Reconnector of 138 kV Cts. 00J and 78A                                                         | 12/10/18                            | 06/30/19                                  |                                   | N/A                                                                             | \$5,585,000                                                                     |                                   |              | 5%                  | 138                         | N/A                                   | 8.58                         | 2 959 8 ACSS                                                    | Steel Towers,<br>Concrete Poles                                              | 80-185<br>Substation<br>Property           | 4.20                              | N/A                     | N/A                       | 25.101(c)(5)(B)                       | No GIS information required - No segment falls outside of the existing ROW                                             |
| 1013                           | Poweline Road Relocation                | Fort Bend                                                                                | Alteration of 69 kV Ckt. 45A as requested by Fort Bend County for road construction                                        | 10/01/18                            | 04/30/19                                  | 10/06/18                          | N/A                                                                             | \$303,000                                                                       |                                   |              | 98%                 | 69                          | N/A                                   | 0.36                         | 705 AAC                                                         | Wood Poles<br>Concrete Poles                                                 | 17<br>Street                               | 0.36                              | N/A                     | N/A                       | 25.101(c)(5)(F)                       | Actual cost to be paid by Fort Bend County. No GIS information required - No segment falls outside of the existing ROW |
| 1118                           | Clodine-O'Brien                         | Houston, Fort Bend                                                                       | Partial Rebuild and Partial Reconnector of 138 kV Cts. 25C and 73C                                                         | 09/04/18                            | 05/30/19                                  |                                   | N/A                                                                             | \$3,850,000                                                                     |                                   |              | 39%                 | 138                         | N/A                                   | 11.80                        | 2 959 8 ACSS                                                    | Steel Towers                                                                 | 150,<br>Substation<br>Property             | 5.80                              | N/A                     | N/A                       | 25.101(c)(5)(B)                       | No GIS information required - No segment falls outside of the existing ROW                                             |
| 1146                           | Freeman-Hockley                         | Harris                                                                                   | Partial Rebuild and Partial Reconnector of 138 kV Cts. 66A and 66H                                                         | 09/04/18                            | 09/30/19                                  |                                   | N/A                                                                             | \$15,122,000                                                                    |                                   |              | 20%                 | 138                         | N/A                                   | 10.32                        | 2 959 8 ACSS                                                    | Steel Towers                                                                 | 80<br>Substation<br>Property               | 10.32                             | N/A                     | N/A                       | 25.101(c)(5)(B)                       | No GIS information required - No segment falls outside of the existing ROW                                             |
| 1150                           | Highlands Tap                           | Baytown, Harris                                                                          | Partial Rebuild of 138 kV Ckt. 08G                                                                                         | 01/02/19                            | 11/30/19                                  |                                   | N/A                                                                             | \$8,243,000                                                                     |                                   |              | 3%                  | 138                         | N/A                                   | 4.63                         | 705 AAC                                                         | Concrete Poles<br>Steel Poles                                                | Street,<br>Substation<br>Property          | 4.63                              | N/A                     | N/A                       | 25.101(c)(5)(B)                       | No GIS information required - No segment falls outside of the existing ROW                                             |
| 1246                           | COPPER-BASE _____, HOFMAN-Lake Junction | Clute, Freeport, Lake Jackson, Brazoria                                                  | Partial Rebuild and Partial Reconnector of 138 kV Cts. 02C, 02D, 02E, and 02H                                              | 11/10/18                            | 07/30/19                                  |                                   | N/A                                                                             | \$4,281,000                                                                     |                                   |              | 10%                 | 138                         | N/A                                   | 5.02                         | 2 705 AAC,<br>2 959 8 ACSS                                      | Steel Towers,<br>Steel Poles                                                 | 80-125<br>Substation<br>Property           | 2.51                              | N/A                     | N/A                       | 25.101(c)(5)(B)                       | No GIS information required - No segment falls outside of the existing ROW                                             |
| 2018.2                         | BoState-Brimmore                        | Houston, Harris                                                                          | Routine maintenance of 138 kV Ckt. 24B                                                                                     | 06/11/18                            | 04/30/19                                  |                                   | N/A                                                                             | \$270,000                                                                       |                                   |              | 50%                 | 138                         | N/A                                   | 15.49                        | 705 AAC<br>2 705 ACSR,<br>705 AAC<br>2 705 AAC,<br>2 959 8 ACSS | Steel Towers<br>Wood Poles<br>Concrete Poles<br>Steel Poles                  | 145-360<br>Steel<br>Substation<br>Property | 15.49                             | N/A                     | N/A                       | 25.83(a)(3)                           | No GIS information required - No segment falls outside of the existing ROW                                             |
| 814.1                          | H O Clarke Conversion                   | Houston, Harris                                                                          | Reconfiguration of 138 kV Cts. 00B and 25A                                                                                 | 10/01/18                            | 06/30/19                                  |                                   | N/A                                                                             | \$865,000                                                                       |                                   |              | 60%                 | 138                         | N/A                                   | 0.09                         | 2 705 AAC<br>2 927 2 ACAR                                       | Steel Towers                                                                 | Substation<br>Property                     | 0.07                              | N/A                     | N/A                       | 25.83(a)(3)                           | No GIS information required - No segment falls outside of the existing ROW                                             |
| 924                            | Rethouse Tap                            | Houston, Harris                                                                          | Partial Rebuild of 138 kV Cts. 86E and 86B                                                                                 | 04/01/18                            | 01/30/20                                  |                                   | N/A                                                                             | \$4,528,000                                                                     |                                   |              | 0%                  | 138                         | N/A                                   | 2.34                         | 705 AAC                                                         | Concrete Poles<br>Steel Poles                                                | Street,<br>Substation<br>Property          | 1.26                              | Street                  | 1.08                      | 25.101(c)(5)(B)                       | No GIS information required - No segment falls outside of the existing ROW                                             |
| 926                            | West Galveston-Galveston 26th Street    | Galveston, Galveston                                                                     | Partial Rebuild of 138 kV Ckt. 63A                                                                                         | 10/03/18                            | 05/30/19                                  |                                   | N/A                                                                             | \$8,309,000                                                                     |                                   |              | 5%                  | 138                         | N/A                                   | 2.07                         | 705 AAC                                                         | Concrete Poles<br>Steel Poles                                                | Street,<br>Substation<br>Property          | 2.07                              | N/A                     | N/A                       | 25.101(c)(5)(B)                       | No GIS information required - No segment falls outside of the existing ROW                                             |
| 1280                           | Hockley-Tomball                         | Harris                                                                                   | Partial Rebuild of 138 kV Ckt. 88B                                                                                         | 11/06/18                            | 06/30/19                                  | 11/18/18                          | N/A                                                                             | \$1,088,000                                                                     |                                   |              | 93%                 | 138                         | N/A                                   | 0.83                         | 705 AAC                                                         | Concrete Poles                                                               | 80                                         | 0.03                              | N/A                     | N/A                       | 25.101(c)(5)(B)                       | No GIS information required - No segment falls outside of the existing ROW                                             |
| 1015                           | WA Parish Approach Spans                | Thompsons, Fort Bend                                                                     | Partial Rebuild of 138 kV Cts. 02A, 06A, 06F, and 80B                                                                      | 04/01/19                            | 02/28/20                                  |                                   | N/A                                                                             | \$987,000                                                                       |                                   |              | 0%                  | 138                         | N/A                                   | 0.09                         | 2 705 AAC<br>2 959 8 ACSS                                       | Concrete Poles                                                               | 360,<br>Substation<br>Property             | 0.04                              | N/A                     | N/A                       | 25.101(c)(5)(B)                       | No GIS information required - No segment falls outside of the existing ROW                                             |
| 1148.1                         | Katy-Freeman (Freeman-Structure #00677) | Harris, Waller                                                                           | Partial Rebuild and Partial Reconnector of 138 kV Ckt. 66A                                                                 | 04/01/19                            | 07/30/20                                  |                                   | N/A                                                                             | \$4,010,000                                                                     |                                   |              | 0%                  | 138                         | N/A                                   | 3.57                         | 2 959 8 ACSS                                                    | Steel Towers                                                                 | 65-80                                      | 3.57                              | N/A                     | N/A                       | 25.101(c)(5)(B)                       | No GIS information required - No segment falls outside of the existing ROW                                             |
| 956                            | Metal Switch-PSARCO                     | Harris                                                                                   | Partial Reconnector of 138 kV Ckt. 02B                                                                                     | 09/01/19                            | 03/30/20                                  |                                   | N/A                                                                             | \$635,000                                                                       |                                   |              | 0%                  | 138                         | N/A                                   | 2.77                         | 858 ACGR                                                        | Steel Towers                                                                 | 150                                        | 2.77                              | N/A                     | N/A                       | 25.101(c)(5)(B)                       | No GIS information required - No segment falls outside of the existing ROW                                             |
| 1115                           | Baley-Jones Creek                       | Old Ocean, Seabrook, Brazoria, Jones Creek, Freeport, Seabrook, Matagorda, Wharton       | Construct a new double-circuit 345 kV transmission line                                                                    | 01/04/21                            | 04/30/22                                  |                                   | Transmission<br>\$459,480,000 to<br>\$682,961,000<br>Substation<br>\$12,240,000 | Transmission<br>\$459,480,000 to<br>\$682,961,000<br>Substation<br>\$12,240,000 |                                   |              | 0%                  | N/A                         | 345                                   | 110 kV-<br>188 kV            | 3 959 8 ACSS                                                    | Steel Poles,<br>Steel Towers                                                 | 150-300<br>Substation<br>Property          | 0.06-1.80                         | 100-150                 | 53.40-82.50               | 46620                                 | CCN filed 08/12/18                                                                                                     |
| 1125                           | Clodine-Barber                          | Houston, Harris                                                                          | Thermal Upgrade of existing 138 kV Cts. 73B and 78A                                                                        | 09/01/19                            | 09/30/19                                  |                                   | N/A                                                                             | \$677,000                                                                       |                                   |              | 0%                  | 138                         | N/A                                   | 2.94                         | 705 AAC<br>2 927 2 ACAR                                         | Steel Towers                                                                 | 80                                         | 1.47                              | N/A                     | N/A                       | 25.83(a)(3)                           | No GIS information required - No segment falls outside of the existing ROW                                             |
| 997.2                          | Rosenberg-Needville                     | Needville, Fairbanks, Rosenberg, Fort Bend                                               | Partial Rebuild and Partial Reconnector of 138 kV Ckt. 45A, Upgrade of 69 kV Ckt. 45A to 138 kV                            | 01/03/19                            | 06/30/20                                  |                                   | N/A                                                                             | \$17,548,000                                                                    |                                   |              | 3%                  | 69                          | 138                                   | 15.05                        | 705 AAC<br>705 AAC                                              | Wood Poles<br>Concrete Poles<br>Steel Poles                                  | 18-80<br>Street,<br>Substation<br>Property | 15.05                             | N/A                     | N/A                       | 25.101(c)(5)(B)                       | No GIS information required - No segment falls outside of the existing ROW                                             |
| 997.4                          | West Columbia Approach Span             | Fort Bend                                                                                | Partial Rebuild of 138 kV Ckt. 45A, Upgrade of 69 kV Ckt. 45A to 138 kV                                                    | 03/04/19                            | 06/30/20                                  |                                   | N/A                                                                             | \$318,000                                                                       |                                   |              | 0%                  | 69                          | 138                                   | 0.13                         | 705 AAC                                                         | Concrete Poles                                                               | 160-48<br>Substation<br>Property           | 0.13                              | N/A                     | N/A                       | 25.101(c)(5)(B)                       | No GIS information required - No segment falls outside of the existing ROW                                             |
| 1014                           | Lyondell Relocation                     | Harris                                                                                   | Relocation of a portion of 138 kV Cts. 03F, 03Z, 08A, 08D, and 94C at the request and expense of Lyondell Chemical Company | 01/02/19                            | 12/30/19                                  |                                   | N/A                                                                             | \$2,988,000                                                                     |                                   |              | 5%                  | 138                         | N/A                                   | 1.71                         | 705 AAC<br>2 705 ACSR<br>705 AAC                                | Steel Towers,<br>Concrete Poles<br>Steel Poles                               | 150                                        | 0.83                              | N/A                     | N/A                       | 25.101(c)(5)(D)                       | No GIS information required - No segment falls outside of the existing ROW                                             |
| 1278                           | Nash Loop                               | Brazoria                                                                                 | Partial Rebuild and Partial Reconnector of 138 kV Ckt. 02B                                                                 | 01/02/19                            | 12/30/19                                  |                                   | N/A                                                                             | \$7,193,000                                                                     |                                   |              | 3%                  | 138                         | N/A                                   | 11.24                        | 2 705 AAC<br>2 959 8 ACSS                                       | Steel Towers<br>Concrete Poles<br>Steel Poles                                | 35-131<br>Substation<br>Property           | 5.72                              | N/A                     | N/A                       | 25.101(c)(5)(B)                       | No GIS information required - No segment falls outside of the existing ROW                                             |
| 857.2                          | Morgans Point-Gundy Point               | La Porte, Morgans Point, Harris                                                          | Partial Rebuild and Partial Reconnector of 138 kV Cts. 96D and 96F                                                         | 02/01/19                            | 11/30/19                                  |                                   | N/A                                                                             | \$4,502,000                                                                     |                                   |              | 0%                  | 138                         | N/A                                   | 1.42                         | 2 959 8 ACSS                                                    | Steel Towers<br>Concrete Poles<br>Steel Poles                                | 10-120<br>Street,<br>Roadway               | 1.42                              | N/A                     | N/A                       | 25.101(c)(5)(B)                       | No GIS information required - No segment falls outside of the existing ROW                                             |
| 954.7                          | Algon Corner Friendswood Corner         | League City, Webster, Galveston, Harris                                                  | Partial Rebuild and Partial Reconnector of 138 kV Ckt. 05B                                                                 | 02/01/19                            | 12/30/19                                  |                                   | N/A                                                                             | \$12,046,000                                                                    |                                   |              | 0%                  | 138                         | N/A                                   | 7.81                         | 2 959 8 ACSS                                                    | Steel Towers,<br>Concrete Poles,<br>Steel Poles                              | 150-400<br>Substation<br>Property          | 7.81                              | N/A                     | N/A                       | 25.101(c)(5)(B)                       | No GIS information required - No segment falls outside of the existing ROW                                             |
| 1012                           | PARKES Substation                       | Harris                                                                                   | 138 kV Service to PARKES Substation within one mile of Ckt. 84C                                                            | 02/01/19                            | 09/30/19                                  |                                   | N/A                                                                             | \$2,775,000                                                                     |                                   |              | 0%                  | 138                         | N/A                                   | 0.42                         | 2 959 8 ACSS                                                    | Concrete Poles<br>Steel Poles                                                | 50-70                                      | 0.18                              | 80-142                  | D 12                      | 25.101(c)(5)(A)                       | Actual cost to be paid by TDWP Partners LLC                                                                            |
| 1228                           | Reading Approach Spans                  | Richmond, Fort Bend                                                                      | Partial Rebuild and Partial Reconnector of 138 kV Ckt. 06F                                                                 | 03/01/19                            | 10/30/19                                  |                                   | N/A                                                                             | \$475,000                                                                       |                                   |              | 0%                  | 138                         | N/A                                   | 0.23                         | 2 959 8 ACSS                                                    | Concrete Poles                                                               | 80,<br>Substation<br>Property              | 0.23                              | N/A                     | N/A                       | 25.101(c)(5)(B)                       | No GIS information required - No segment falls outside of the existing ROW                                             |