

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
PUC DOCKET NO. 56211
SOAH DOCKET NO. 473-24-13232
PUBLIC UTILITY COMMISSION OF TEXAS
REQUEST NO.: PUC-RFI07-076 through 07-180

RFI number	Question	Response to Part a	Response to Part b etc	Sponsors	Responsive Documents
	c. How these projects were selected among possible alternatives. d. The initial budget for these projects. e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.				
PUC-RFI07-102	Please refer to Schedule M-3.1 under the project named "PE190034 REFUGE - BUILD NEW 345KV SWITCHYARD (AP)." Please provide the following information regarding this project: a. Please report the final total project cost by FERC Account for this project. b. The need for this project. c. How this project was selected among possible alternatives. d. The initial budget for this project. e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-103	Please refer to Schedule M-3.1 under the projects named "PE190152 GREENS BAYOU RECONFIGURE 138KV YARD (AP)", "PE190153 ANBUSH UPGRADE RELAYING ON 138KV CKT #08 TO GBY (AP)", "PE190121 WHITE OAK REPLACE LINE PANEL ON 138KV CKT #03 TO GREENS BAYOU (AP)", and "PE210072 WEST COLUMBIA INSTALL POTT RELAY SCHEME ON CKT 02 TO EAGLE NEST." Please provide the following information regarding these projects: a. Please report the final total project cost by FERC Account for these projects. b. The need for these projects. c. How these projects were selected among possible alternatives. d. The initial budget for these projects. e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-104	Please refer to Schedule M-3.1 under the projects named "PE180147 MILLER Upgrade Relaying on CKT #88 to Baytown (BP)" and "PE180148 BAYTOWN Upgrade Relaying on CKT #87 to MILLER (BP)." Please provide the following information regarding these projects:	See Response to PUC RFI07-101	See Response to PUC RFI07-101	David Mercado / Mandie Shook / Eric Easton	None

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	<p>a. Please report the final total project cost by FERC Account for these projects.</p> <p>b. The need for these projects.</p> <p>c. How these projects were selected among possible alternatives.</p> <p>d. The initial budget for these projects.</p> <p>e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.</p>				
PUC-RFI07-105	<p>Please refer to Schedule M-3.1 under the project named "PE190034 REFUGE - BUILD NEW 345KV SWITCHYARD (AP)." Please provide the following information regarding this project:</p> <p>a. Please report the final total project cost by FERC Account for this project</p> <p>b. The need for this project.</p> <p>c. How this project was selected among possible alternatives.</p> <p>d. The initial budget for this project.</p> <p>e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.</p>	See Response to PUC RFI07-102	See Response to PUC RFI07-102	David Mercado / Mandie Shook / Eric Easton	None
PUC-RFI07-106	<p>Please refer to Schedule M-3.1 under the projects named "PE190152 GREENS BAYOU RECONFIGURE 138KV YARD (AP)", "PE190153 ANBUSH UPGRADE RELAYING ON 138KV CKT #08 TO GBY (AP)", "PE190121 WHITE OAK REPLACE LINE PANEL ON 138KV CKT #03 TO GREENS BAYOU (AP)", and "PE190224 HARDY UPGRADE CARRIER EQUIPMENT ON CKT #95 TO GREENS BAYOU (AP)." Please provide the following information regarding these projects:</p> <p>a. Please report the final total project cost by FERC Account for these projects.</p> <p>b. The need for these projects.</p> <p>c. How these projects were selected among possible alternatives.</p> <p>d. The initial budget for these projects.</p> <p>e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.</p>	See Response to PUC RFI07-103	See Response to PUC RFI07-103	David Mercado / Mandie Shook / Eric Easton	None

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PUC-RFI07-107	Please refer to Schedule M-3.1 under the projects named "PE200040 LIMBURG Limburg Substation (SUB) Build new 138kV" and "PE200041 SOUTHWYCK UPGRADE 138KV LINE SECTIONALIZING SCHEME." Please provide the following information regarding these projects: a. Please report the final total project cost by FERC Account for these projects. b. The need for these projects. c. How these projects were selected among possible alternatives. d. The initial budget for these projects. e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-108	Please refer to Schedule M-3.1 under the project named "PE190049 BLODGETT CONVERT TO 138KV OPERATION (AP)." Please provide the following information regarding this project: a. Please report the final total project cost by FERC Account for this project. b. The need for this project. c. How this project was selected among possible alternatives. d. The initial budget for this project. e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-109	Please refer to Schedule M-3.1 under the project named "PE210046 HILLIE - Install 345 kV Line Position for New Generator (Danish Fields Solar)." Please provide the following information regarding this project: a. Please report the final total project cost by FERC Account for this project. b. The need for this project. c. How this project was selected among possible alternatives. d. The initial budget for this project. e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx

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PUC-RF107-110	Please refer to Schedule M-3.1 under the projects named "PE220101 HOC RELOCATE 138 KV CKT 05 TO WEBSTER" and "PE220102 WEBSTER UPGRADE LINE RELAYING ON CKT 05 TO HOC." Please provide the following information regarding these projects: a. Please report the final total project cost by FERC Account for these projects. b. The need for these projects. c. How these projects were selected among possible alternatives. d. The initial budget for these projects. e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.	This information will be provided in a Supplemental filing.	See Attachment PUC RF107-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RF107-076 through 07-180 Part b etc.xlsx
PUC-RF107-111	Please refer to Schedule M-3.1 under the projects named "PE210050 PEARLAND INSTALL 138 KV, 40 MVAR CAP BANK", "PE220042 MYKAWA BUILD NEW 138KV BKR & 1/2 SWITCHYARD", "PE220043 COUGAR UPGRADE CARRIER EQUIPMENT ON CKT TO MYKAWA", "PE220045 PHR UPGRADE CARRIER EQUIPMENT ON CKT TO MYKAWA", "PE220046 PLAZA UPGRADE CARRIER EQUIPMENT ON CKT TO MYKAWA", and "PE220318 MYKAWA BUILD NEW DUAL VOLTAGE DISTRIBUTION SUB 35kv & 12kv." Please provide the following information regarding these projects: a. Please report the final total project cost by FERC Account for these projects. b. The need for these projects. c. How these projects were selected among possible alternatives. d. The initial budget for these projects. e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.	This information will be provided in a Supplemental filing.	See Attachment PUC RF107-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RF107-076 through 07-180 Part b etc.xlsx
PUC-RF107-112	Please refer to Schedule M-3.1 under the project named "PE200289 HOC INSTALL LINE POS.FOR NEW GENERATOR (PE51) & UPG.CKT 90 TO GARROTT." Please provide the following information regarding this project: a. Please report the final total project cost by FERC Account for this project. b. The need for this project.	This information will be provided in a Supplemental filing.	See Attachment PUC RF107-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RF107-076 through 07-180 Part b etc.xlsx

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PUC-RFI07-113	Please refer to Schedule M-3.1 under the projects named "PE200209 STRANG UPGRADE RELAYING AND CARRIER ON CKT87 TO CEDAR BAYOU", "PE200210 CEDAR BAYOU PLANT UPGRADE RELAYING AND CARRIER ON CKT87 TO STRANG", "PE200211 QUANUM UPGRADE RELAYING AND CARRIER ON CKT85 TO CEDAR BAYOU", "PE200212 CEDAR BAYOU PLANT UPGRADE RELAYING AND CARRIER ON CKT85 TO QUANUM", "PE200213 BAYOU UPGRADE RELAYING AND CARRIER ON CKT79 TO MORGANS POINT", "PE200214 MORGANS POINT UPGRADE RELAYING AND CARRIER ON CKT79 TO BAYOU, PRE-INSTALL DUAL FIBER CABLES", "PE200215 CHORIN INSTALL DUAL FIBER ON CKT87 TO SRB", "PE200216 SRB UPGRADE WAVE TRAP ON CKT87 TO CHORIN", "PE200217 CEDAR BAYOU PLANT UPGRADE RELAYING AND CARRIER ON CKT84 TO HOPSON", "PE200218 HOPSON UPGRADE RELAYING AND CARRIER ON CKT84 TO CEDAR BAYOU", and "PE200219 DECKER UPGRADE CKT83 TO CEDAR BAYOU TO 498MVA." Please provide the following information regarding these projects: a. Please report the final total project cost by FERC Account for these projects. b. The need for these projects. c. How these projects were selected among possible alternatives. d. The initial budget for these projects. e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-114	Please refer to Schedule M-3.1 under the projects named "PE190047 HOC - Install 138kV Series Reactor (BP)", "PE190048 WAP - Install 138kV Series Reactors (BP)", "PE190074 BRITMOORE - UPGRADE CARRIER EQUIPMENT ON 138KV CKT #09 TO WAP (BP)", and "PE190075 FORT BEND - REMOVE CARRIER EQUIPMENT ON 138KV CKT #09 TO WAP (BP)." Please provide the following information regarding these projects:	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx

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PUC-RFI07-115	<p>Please refer to Schedule M-3.1 under the projects named "PE220236 WATERHOLE BUILD NEW CNP 345KV BKR-&-1/2 INTERCONNECTION SWITCHYARD", "PE220237 BAILEY UPGRADE LINE RELAYING ON CKT62 TO WATERHOLE", and "PE220238 JONES CREEK UPGRADE LINE RELAYING ON CKT62 TO WATERHOLE." Please provide the following information regarding these projects:</p> <p>a. Please report the final total project cost by FERC Account for these projects.</p> <p>b. The need for these projects.</p> <p>c. How these projects were selected among possible alternatives.</p> <p>d. The initial budget for these projects.</p> <p>e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-116	<p>Please refer to Schedule M-3.1 under the project named "PE220319 GULFTIE BUILD NEW CNP 138KV BKR-&-1/2 INTERCONNECTION SWITCHYARD." Please provide the following information regarding this project:</p> <p>a. Please report the final total project cost by FERC Account for this project.</p> <p>b. The need for this project.</p> <p>c. How this project was selected among possible alternatives.</p> <p>d. The initial budget for this project.</p> <p>e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx

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PUC-RFI07-117	Please refer to Schedule M-3.1 under the projects named "PE220223 MONSAN UPGRADE HUDSON CKT04 TO MINIMUM 507/507MVA", "PE220224 MUSTANG BAYOU UPGRADE 138KV LOOP BUS TO MINIMUM 568/568MVA", and "PE220226 LIVERPOOL UPGRADE 138KV LOOP BUS TO MINIMUM 517/517MVA." Please provide the following information regarding these projects: a. Please report the final total project cost by FERC Account for these projects. b. The need for these projects. c. How these projects were selected among possible alternatives. d. The initial budget for these projects. e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-118	Please refer to Schedule M-3.1 under the projects named "PE220218 ARCHER BUILD NEW CNP 138KV BKR-&-1/2 INTERCONNECTION SWITCHYARD", "PE220219 KARSTEN UPGRADE LINE RELAYING ON CKT26 TO ARCHER", and "PE220220 ANGLETON UPGRADE LINE RELAYING ON CKT26 TO ARCHER MIN 384/384MVA." Please provide the following information regarding these projects: a. Please report the final total project cost by FERC Account for these projects. b. The need for these projects. c. How these projects were selected among possible alternatives. d. The initial budget for these projects. e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-119	Please refer to Schedule M-3.1 under the project named "PE220057 WEST COLUMBIA - UPGRADE 138KV YARD FAULT DUTY TO 63KA." Please provide the following information regarding this project: a. Please report the final total project cost by FERC Account for this project. b. The need for this project. c. How this project was selected among possible alternatives.	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx

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PUC-RFI07-120	Please refer to Schedule M-3.1 under the project named "PE220053 SMITHERS - BUILD 345KV LINE POSITION FOR NEW GENERATOR." Please provide the following information regarding this project: a. Please report the final total project cost by FERC Account for this project. b. The need for this project. c. How this project was selected among possible alternatives. d. The initial budget for this project. e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-121	Please refer to Schedule M-3.1 under the project named "PE210082 WEST COLUMBIA Expand 138 KV Ring Bus to Connect New Generator." Please provide the following information regarding this project: a. Please report the final total project cost by FERC Account for these projects. b. The need for these projects. c. How these projects were selected among possible alternatives. d. The initial budget for these projects. e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-122	Please refer to Schedule M-3.1 under the projects named "PE210034 SRB REMOVE 69KV FACILITIES & ADD 138KV BUS TIE BKR", "PE210035 SRB INSTALL 100MVAR CAP BANK", "PE210036 HOC REMOVE & RELOCATE 138KV, 100MVAR CAP BANK", "PE210037 SOUTH CHANNEL RECONFIGURE 69KV SRB CKT-23 AS DEEPWATER CKT-23", and "PE210038 DEEPWATER RECONFIGURE 69KV SRB CKT AS SOUTH CHANNEL CKT." Please provide the following information regarding these projects:	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx

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PUC-RF107-123	<p>Please refer to Schedule M-3.1 under the projects named PE210077 WHITE OAK INSTALL 2ND 138/69 KV AUTO", "PE210078 WHITE OAK UPGRADE 69 KV CKT 34 TO HEIGHTS TO MIN 192/192 MVA", "PE210079 HEIGHTS UPGRADE 69 KV CKT 34 TO WHITE OAK TO MIN 192/192 MVA", "PE210080 SAN FELIPE UPGRADE CARRIER EQUIP ON 138 KV CKT 09 TO WHITE OAK", "PE210256 DEIHL - INSTALL 11TH & 12TH 12KV FEEDERS", "PE220089 AIRLINE - INSTALL 12TH 12KV FEEDER", and "PE220085 CROCKETT - INSTALL 3RD TRANSFORMER & 3-12 KV FEEDERS." Please provide the following information regarding these projects:</p> <p>a. Please report the final total project cost by FERC Account for these projects.</p> <p>b. The need for these projects.</p> <p>c. How these projects were selected among possible alternatives.</p> <p>d. The initial budget for these projects.</p> <p>e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RF107-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RF107-076 through 07-180 Part b etc.xlsx
PUC-RF107-124	<p>Please refer to Schedule M-3.1 under the projects named "PE210020 Jones Creek - Install new 138kv positions", "PE210021 Velasco - Reconfigure for new Jones Creek ckt", and "PE200088 JONES CREEK - RECONFIGURE 138KV SWITCHYARD." Please provide the following information regarding these projects:</p> <p>a. Please report the final total project cost by FERC Account for these projects.</p> <p>b. The need for these projects.</p> <p>c. How these projects were selected among possible alternatives.</p> <p>d. The initial budget for these projects.</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RF107-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RF107-076 through 07-180 Part b etc.xlsx

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PUC-RFI07-125	Please refer to Schedule M-3.1 under the project named "PE180217 NASH - CONVERT TO 138KV OPERATION (AP)." Please provide the following information regarding this project: a. Please report the final total project cost by FERC Account for this project. b. The need for this project. c. How this project was selected among possible alternatives. d. The initial budget for this project. e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-126	Please refer to Schedule M-3.1 under the projects named "PE170066 HOFMAN - REPLACE LINE PANEL ON CKT #02 TO BASF & REPL RTU (AP)", "PE170067 BASF - REPLACE LINE PANEL & JUMPERS ON CKT #02 TO HOFMAN & REPL RT (AP)", and "PE180214 LAKE HOUSTON - UPGRADE CKT #02 LOOP BUS." Please provide the following information regarding these projects: a. Please report the final total project cost by FERC Account for these projects. b. The need for these projects. c. How these projects were selected among possible alternatives. d. The initial budget for these projects. e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-127	Please refer to Schedule M-3.1 under the project named "PE210096 Hillje - BUILD NEW 345KV LINE POSITION FOR NEW GENERATOR." Please provide the following information regarding this project: a. Please report the final total project cost by FERC Account for this project. b. The need for this project.	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx

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PUC-RFI07-128	Please refer to Schedule M-3.1 under the project named "PE210039 Angleton - Install Line Position for New Generator (MYRTLE)." Please provide the following information regarding this project: a. Please report the final total project cost by FERC Account for this project. b. The need for this project. c. How this project was selected among possible alternatives. d. The initial budget for this project. e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-129	Please refer to Schedule M-3.1 under the projects named "PE210067 Cedar Creek - BUILD NEW 345KV SWITCHYARD TO CONNECT NEW GENERATOR", "PE210069 Bailey - INSTALL POTT RELAY SCHEME ON CKT 72 TO CEDAR CREEK", and "PE210070 WAP - INSTALL POTT RELAY SCHEME ON CKT 72 TO CEDAR CREEK." Please provide the following information regarding these projects: a. Please report the final total project cost by FERC Account for these projects. b. The need for these projects. c. How these projects were selected among possible alternatives. d. The initial budget for these projects. e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx

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PUC-RFI07-130	<p>Please refer to Schedule M-3.1 under the projects named "PE210232 ALTA LOMA - INSTALL 8TH 12KV FEEDER", "PE210233 MUSTANG BAYOU - INSTALL 3RD & 4TH 12KV FEEDERS", "PE210234 WEBSTER - UPGRADE MANVEL 69KV LINE RELAYING FOR ALVIN BYPASS", "PE230002 ALVIN - CONVERT TO 138KV OPERATION & INSTALL 2ND TRF", "PE230003 MANVEL - CONVERT TO 138KV OPERATION", "PE230018 HOC - DISCONNECT 69KV CKT 53 TO KARSTEN", "PE230019 WEBSTER - REMOVE 69KV FACILITIES (INCLUDING AUTO)", and "PE230021 KARSTEN - REMOVE 69KV FACILITIES & REVISE LINE RELAYING ON 138KV CKT6 TO ANGLETON." Please provide the following information regarding these projects:</p> <p>a. Please report the final total project cost by FERC Account for these projects.</p> <p>b. The need for these projects.</p> <p>c. How these projects were selected among possible alternatives.</p> <p>d. The initial budget for these projects.</p> <p>e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-131	<p>Please refer to Schedule M-3.1 under the project named "PE210063 WALLER INSTALL 2ND TRF AND 35KV FEEDER." Please provide the following information regarding this project:</p> <p>a. Please report the final total project cost by FERC Account for this project.</p> <p>b. The need for this project.</p> <p>c. How this project was selected among possible alternatives.</p> <p>d. The initial budget for this project.</p> <p>e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-132	<p>Please refer to Schedule M-3.1 under the project named "PE190051 READING - Install (2) 100 MVA TRF's & (3) 35kV Feeders (BP)." Please provide the following information regarding this project:</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx

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	a. Please report the final total project cost by FERC Account for this project. b. The need for this project. c. How this project was selected among possible alternatives. d. The initial budget for this project. e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them				
PUC-RFI07-133	Please refer to Schedule M-3.1 under the projects named "PE150234 HOC - CONVERT TRFS #1, #2, & #3 TO 138KV OPERATION" and "PE180144 HOC - REPLACE CONVENTIONAL SUB WITH BKR & HALF." Please provide the following information regarding these projects: a. Please report the final total project cost by FERC Account for these projects. b. The need for these projects. c. How these projects were selected among possible alternatives. d. The initial budget for these projects. e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-134	Please refer to Schedule M-3.1 under the project named "PE160410 RED BLUFF BUILD NEW 138/12KV SUBSTATION." Please provide the following information regarding this project: a. Please report the final total project cost by FERC Account for this project. b. The need for this project. c. How this project was selected among possible alternatives. d. The initial budget for this project. e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx

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PUC-RFI07-135	<p>Please refer to Schedule M-3.1 under the projects named "PE180135 DUNLAVY - UPGRADE 69KV CKT #31 TO HEIGHTS (BP)", "PE180136 HEIGHTS - UPGRADE 69KV CKT #31 TO DUNLAVY" and "PE220211 HEIGHTS - UPGRADE DUNLAVY CKT31." Please provide the following information regarding these projects:</p> <p>a. Please report the final total project cost by FERC Account for these projects.</p> <p>b. The need for these projects.</p> <p>c. How these projects were selected among possible alternatives.</p> <p>d. The initial budget for these projects.</p> <p>e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-136	<p>Please refer to Schedule M-3.1 under the projects named "PE180044 CEDAR BAYOU PLANT UPGRADE 138KV CKT #87 TO STRANG", "PE180036 CHORIN UPGRADE 138KV CKT #87 TO SRB, INCREASE AMPACITY (REPLACE AITEK WITH RUSSEL SUB)", "PE180034 SRB UPGRADE 138KV CKT #87 TO CHORIN, INCREASE AMPACITY", "PE180043 CHORIN UPGRADE 138KV CKT #87 TO STRANG, INCREASE AMPACITY (BP)", and "PE170068 STRANG UPGRADE AMPACITY OF CUSTOMER SUBSTATION." Please provide the following information regarding these projects:</p> <p>a. Please report the final total project cost by FERC Account for these projects.</p> <p>b. The need for these projects.</p> <p>c. How these projects were selected among possible alternatives.</p> <p>d. The initial budget for these projects.</p> <p>e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-137	<p>Please refer to Schedule M-3.1 under the project named "PE210060 MISSOURI CITY INSTALL 3RD TRF AND (2) 12KV FEEDERS." Please provide the following information regarding this project:</p> <p>a. Please report the final total project cost by FERC Account for this project.</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx

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	<p>b. The need for this project.</p> <p>c. How this project was selected among possible alternatives.</p> <p>d. The initial budget for this project.</p> <p>e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.</p>				
PUC-RFI07-138	<p>Please refer to Schedule M-3.1 under the projects named "PE210028 WEST GALVESTON - ADD 3RD 12KV, 50MVA TRANSFORMER" and "PE200260 SPARES-PURCH 30/40/50 MVA POWER TRF." Please provide the following information regarding these projects:</p> <p>a. Please report the final total project cost by FERC Account for these projects.</p> <p>b. The need for these projects.</p> <p>c. How these projects were selected among possible alternatives.</p> <p>d. The initial budget for these projects.</p> <p>e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-139	<p>Please refer to Schedule M-3.1 under the project named "PE190002 JONES CREEK BUILD NEW 138/12KV SUBSTATION (AP)." Please provide the following information regarding this project:</p> <p>a. Please report the final total project cost by FERC Account for this project.</p> <p>b. The need for this project.</p> <p>c. How this project was selected among possible alternatives.</p> <p>d. The initial budget for this project.</p> <p>e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx

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PUC-RFI07-140	Please refer to Schedule M-3.1 under the projects named "PE220037 SAN BERNARD BUILD NEW 138KV BKR & 1/2 SWITCHYARD", "PE220038 SOUTH LANE CITY INSTALL POTT SCHEME ON 138KV CKT TO SAN BERNARD", "PE220041 WEST COLUMBIA UPGRADE RELAY SCHEME ON CKT 04 TO SAN BERNARD", and "PE220058 WEST COLUMBIA UPGRADE 138KV CKT04 TO SAN BERNARD TO MIN 610/840 MVA RATIN." Please provide the following information regarding these projects: a. Please report the final total project cost by FERC Account for these projects. b. The need for these projects. c. How these projects were selected among possible alternatives. d. The initial budget for these projects. e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-141	Please refer to Schedule M-3.1 under the projects named "PE220065 JONTE BUILD NEW 138KV BKR & 1/2 SWITCHYARD", "PE220066 NORTH BELT - UPGRADE LINE RELAYING ON CKT TO JONTE", "PE220067 HARDY - UPGRADE CARRIER ON CKT TO JONTE", and "PE220068 CROSBY - UPGRADE CARRIER ON CKT TO JONTE." Please provide the following information regarding these projects: a. Please report the final total project cost by FERC Account for these projects. b. The need for these projects. c. How these projects were selected among possible alternatives. d. The initial budget for these projects. e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-142	Please refer to Schedule M-3.1 under the projects named "PE200387 PHR - UPGRADE RELAYING ON CKT 02 & CKT 03 TO ATTWATER (TNMP) (PHASE 1)", "PE210175 PHR - UPGRADE 138KV CKT 02 TO TOPAZ (TNMP)", "PE210176 PHR - UPGRADE 138KV CKT 03 TO TOPAZ (TNMP)", and "PE210179 PHR - UPGRADE RELAYING ON CKT 02 & CKT 03 TO ATTWATER (TNMP) (PHASE 2)." Please provide the following information regarding these projects:	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx

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	<p>a. Please report the final total project cost by FERC Account for these projects.</p> <p>b. The need for these projects.</p> <p>c. How these projects were selected among possible alternatives.</p> <p>d. The initial budget for these projects.</p> <p>e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.</p>				
PUC-RFI07-143	<p>Please refer to Schedule M-3.1 under the projects named "PE230028 ZENITH - EXPAND 138KV YARD TO INSTALL RADIAL CKT" and "PE230029 VILLAGE CREEK - CONVERT FROM LOOP TO DOUBLE TAP CONFIGURATION." Please provide the following information regarding these projects:</p> <p>a. Please report the final total project cost by FERC Account for these projects.</p> <p>b. The need for these projects.</p> <p>c. How these projects were selected among possible alternatives.</p> <p>d. The initial budget for these projects.</p> <p>e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-144	<p>Please refer to Schedule M-3.1 under the projects named "PE200042 BEASLY - BUILD NEW 138KV SWITCHYARD", "PE200043 EAST BERNARD - UPGRADE CARRIER ON CKT #60", and "PE200044 SEALY - UPGRADE 138KV LOOP BUS TO 250MVA." Please provide the following information regarding these projects:</p> <p>a. Please report the final total project cost by FERC Account for these projects.</p> <p>b. The need for these projects.</p> <p>c. How these projects were selected among possible alternatives.</p> <p>d. The initial budget for these projects.</p> <p>e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx

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RFI number	Question	Response to Part a	Response to Part b etc	Sponsors	Responsive Documents
PUC-RF107-145	<p>Please refer to Schedule M-3.1 under the projects named "PE200256 ENCO - Install SCADA set at New Customer Sub", "PE200257 EL DORADO - INSTALL 12KV 7.2 MVAR CAP BANK", "PE200258 SPENCER - Install 12kv 7.2MVAR Cap Bank", and "PE200291 HARRISBURG - REMOVE AND RELOCATE 12KV 10.8MVAR CAPACITOR BANK (CB2)." Please provide the following information regarding these projects:</p> <ol style="list-style-type: none"> Please report the final total project cost by FERC Account for these projects. The need for these projects. How these projects were selected among possible alternatives. The initial budget for these projects. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them. 	This information will be provided in a Supplemental filing.	See Attachment PUC RF107-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RF107-076 through 07-180 Part b etc.xlsx
PUC-RF107-146	<p>Please refer to Schedule M-3.1 under the projects named PE180017 SURFSI - REPLACE LINE PANEL ON CKT #59 TO JONES CREEK (TRANSFER TRIP)", "PE190010 CELNEC - REPLACE LINE PANEL ON CKT #35 TO LOMAX", "PE190009 JONES CREEK - INSTALL FIBER ON CKT #48 TO CORTEZ", "PE190011 LOMAX - REPLACE LINE PANEL ON CKT #35 TO CELNEC- REPLACE METERING P'S CKT #35", "PE190221 MARINE - ADD DUAL PILOT TO CORTEZ", "PE190007 SURFSI - REPLACE LINE PANEL ON CKT #59 TO VELASCO", and "PE190008 VELASCO - ADD FIBER (DUAL PILOT) TO CKT #48 TO MARINE." Please provide the following information regarding these projects:</p> <ol style="list-style-type: none"> Please report the final total project cost by FERC Account for these projects. The need for these projects. How these projects were selected among possible alternatives. The initial budget for these projects. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them. 	This information will be provided in a Supplemental filing.	See Attachment PUC RF107-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RF107-076 through 07-180 Part b etc.xlsx

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PUC-RFI07-147	Please refer to Schedule M-3.1 under the projects named "PE200047 SOUTH CHANNEL - UPGRADE LINE RELAYING", "PE200048 PAIR - UPGRADE LINE RELAYING / INSTALL FIBER", and "PE200049 AIRPRO - UPGRADE LINE RELAYING." Please provide the following information regarding these projects: a. Please report the final total project cost by FERC Account for these projects. b. The need for these projects. c. How these projects were selected among possible alternatives. d. The initial budget for these projects. e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-148	Please refer to Schedule M-3.1 under the project named "PE210055 BRITMOORE - INSTALL 3RD TRF AND (2) 12KV FEEDERS." Please provide the following information regarding this project: a. Please report the final total project cost by FERC Account for this project. b. The need for this project. c. How this project was selected among possible alternatives. d. The initial budget for this project. e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-149	Please refer to Schedule M-3.1 under the projects named "PE190232 ZENITH - Area Auto TRF INCR. FAULT DUTY" and "PE180013 ZENITH - Install 3rd 345/138/23kV Auto TRF & Increase Fault Duty." Please provide the following information regarding these projects: a. Please report the final total project cost by FERC Account for these projects. b. The need for these projects.	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx

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	<p>c. How these projects were selected among possible alternatives.</p> <p>d. The initial budget for these projects.</p> <p>e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.</p>				The following attachment is Confidential and is being provided pursuant to the Protective Order issued in Docket No. 56211: Att PUC07-149 RPG Zenith_Auto (Confidential).pdf
PUC-RFI07-150	<p>Please refer to Schedule M-3.1 under the project named "PE190063 PARKWAY - INSTALL 7TH & 8TH 12KV FEEDERS (BP)." Please provide the following information regarding this project:</p> <p>a. Please report the final total project cost by FERC Account for this project.</p> <p>b. The need for this project.</p> <p>c. How this project was selected among possible alternatives.</p> <p>d. The initial budget for this project.</p> <p>e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-151	<p>Please refer to Schedule M-3.1 under the project named "PE200095 WHARTON - INSTALL 7TH 12KV FEEDER (BP)." Please provide the following information regarding this project:</p> <p>a. Please report the final total project cost by FERC Account for this project.</p> <p>b. The need for this project.</p> <p>c. How this project was selected among possible alternatives.</p> <p>d. The initial budget for this project.</p> <p>e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx

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PUC-RFI07-152	<p>Please refer to Schedule M-3.1 under the project named "PE200097 HOLMES - INSTALL 11TH & 12TH 12KV FEEDERS (AP)." Please provide the following information regarding this project:</p> <p>a. Please report the final total project cost by FERC Account for this project.</p> <p>b. The need for this project.</p> <p>c. How this project was selected among possible alternatives.</p> <p>d. The initial budget for this project.</p> <p>e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-153	<p>Please refer to Schedule M-3.1 under the project named "PE200090 TRINITY BAY - INSTALL 5TH 35KV FEEDER (BP)." Please provide the following information regarding this project:</p> <p>a. Please report the final total project cost by FERC Account for this project.</p> <p>b. The need for this project.</p> <p>c. How this project was selected among possible alternatives.</p> <p>d. The initial budget for this project.</p> <p>e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-154	<p>Please refer to Schedule M-3.1 under the project named "PE190050 BLODGETT - INSTALL 3RD TRF & (3) 12KV FEEDERS (AP)." Please provide the following information regarding this project:</p> <p>a. Please report the final total project cost by FERC Account for this project.</p> <p>b. The need for this project.</p> <p>c. How this project was selected among possible alternatives.</p> <p>d. The initial budget for this project.</p> <p>e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx

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PUC-RFI07-155	<p>Please refer to Schedule M-3.1 under the project named "PE200074 PLAZA - INSTALL 3RD TRF AND (2) 35KV FEEDERS, EXTEND 138KV RING (AP)." Please provide the following information regarding this project:</p> <p>a. Please report the final total project cost by FERC Account for this project.</p> <p>b. The need for this project.</p> <p>c. How this project was selected among possible alternatives.</p> <p>d. The initial budget for this project.</p> <p>e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-156	<p>Please refer to Schedule M-3.1 under the project named "PE200076 NEEDVILLE - INSTALL 5TH & 6TH 12KV FEEDERS (BP)." Please provide the following information regarding this project:</p> <p>a. Please report the final total project cost by FERC Account for this project.</p> <p>b. The need for this project.</p> <p>c. How this project was selected among possible alternatives.</p> <p>d. The initial budget for this project.</p> <p>e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-157	<p>Please refer to Schedule M-3.1 under the project named "PE200089 JORDAN - INSTALL 5TH & 6TH 35KV FEEDERS (BP)." Please provide the following information regarding this project:</p> <p>a. Please report the final total project cost by FERC Account for this project.</p> <p>b. The need for this project.</p> <p>c. How this project was selected among possible alternatives.</p> <p>d. The initial budget for this project.</p> <p>e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx

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PUC-RFI07-158	Please refer to Schedule M-3.1 under the projects named "PE200103 HILLIE CONVERT 345KV SWITCHYARD TO BKR AND A HALF (BP)", "PE200109 STP - UPGRADE CARRIER ON HILLIE CIRCUITS", and "PE200110 WAP - UPGRADE CARRIER ON HILLIE CIRCUITS." Please provide the following information regarding these projects: a. Please report the final total project cost by FERC Account for these projects. b. The need for these projects. c. How these projects were selected among possible alternatives. d. The initial budget for these projects. e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-159	Please refer to Schedule M-3.1 under the project named "PE210057 GERTIE ADD 10TH FEEDER." Please provide the following information regarding this project: a. Please report the final total project cost by FERC Account for this project. b. The need for this project. c. How this project was selected among possible alternatives. d. The initial budget for this project. e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-160	Please refer to Schedule M-3.1 under the project named "PE210062 SCENIC WOODS - INSTALL 35KV FACILITIES." Please provide the following information regarding this project: a. Please report the final total project cost by FERC Account for this project. b. The need for this project. c. How this project was selected among possible alternatives. d. The initial budget for this project. e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx

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PUC-RFI07-161	<p>Please refer to Schedule M-3.1 under the project named "PE210051 RED BLUFF - INSTALL 3RD TRF AND (2) 12KV FEEDERS." Please provide the following information regarding this project:</p> <p>a. Please report the final total project cost by FERC Account for this project.</p> <p>b. The need for this project.</p> <p>c. How this project was selected among possible alternatives.</p> <p>d. The initial budget for this project.</p> <p>e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-162	<p>Please refer to Schedule M-3.1 under the project named "PE210056 CLODINE - INSTALL 4TH TRF AND (2) 12KV FEEDERS." Please provide the following information regarding this project:</p> <p>a. Please report the final total project cost by FERC Account for this project.</p> <p>b. The need for this project.</p> <p>c. How this project was selected among possible alternatives.</p> <p>d. The initial budget for this project.</p> <p>e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-163	<p>Please refer to Schedule M-3.1 under the project named "PE200099 WHITE OAK - Install 15th 12kV Feeder (AP)." Please provide the following information regarding this project:</p> <p>a. Please report the final total project cost by FERC Account for this project.</p> <p>b. The need for this project.</p> <p>c. How this project was selected among possible alternatives.</p> <p>d. The initial budget for this project.</p> <p>e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx

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RFI number	Question	Response to Part a	Response to Part b etc	Sponsors	Responsive Documents
PUC-RFI07-164	<p>Please refer to Schedule M-3.1 under the project named "PE210053 CLEAR LAKE - Instl 3rd TRF & 2 12kV Fdr." Please provide the following information regarding this project:</p> <p>a. Please report the final total project cost by FERC Account for this project.</p> <p>b. The need for this project.</p> <p>c. How this project was selected among possible alternatives.</p> <p>d. The initial budget for this project.</p> <p>e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-165	<p>Please refer to Schedule M-3.1 under the project named "PE200073 ALMEDA - Install 3rd trf & 3-12kv fdrs." Please provide the following information regarding this project:</p> <p>a. Please report the final total project cost by FERC Account for this project.</p> <p>b. The need for this project.</p> <p>c. How this project was selected among possible alternatives.</p> <p>d. The initial budget for this project.</p> <p>e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-166	<p>Please refer to Schedule M-3.1 under the project named "PE190045 Northside - INSTL 3rd TRF & 2-12KV FDRS." Please provide the following information regarding this project:</p> <p>a. Please report the final total project cost by FERC Account for this project.</p> <p>b. The need for this project.</p> <p>c. How this project was selected among possible alternatives.</p> <p>d. The initial budget for this project.</p> <p>e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx

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RFI number	Question	Response to Part a	Response to Part b etc	Sponsors	Responsive Documents
PUC-RFI07-167	<p>Please refer to Schedule M-3.1 under the project named "PE190046 SPRINGWOOD - Instl 2 TRF's & 6 Fdrs IFDN." Please provide the following information regarding this project:</p> <p>a. Please report the final total project cost by FERC Account for this project.</p> <p>b. The need for this project.</p> <p>c. How this project was selected among possible alternatives.</p> <p>d. The initial budget for this project.</p> <p>e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-168	<p>Please refer to Schedule M-3.1 under the project named "PE150235 UNIVERSITY - Convert Dist 69KV to 138KV." Please provide the following information regarding this project:</p> <p>a. Please report the final total project cost by FERC Account for this project.</p> <p>b. The need for this project.</p> <p>c. How this project was selected among possible alternatives.</p> <p>d. The initial budget for this project.</p> <p>e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-169	<p>Please refer to Schedule M-3.1 under the projects named "PE190003 JONES CREEK - Install 3rd 138kV 120mvar Cap Bank", "PE180010 JONES CREEK - Install 2nd 138kV 160mvar Cap Bank", "PE180032 VELASCO - Install 2nd 138kV 120MVAR CB", and "PE190004 VELASCO - Install 3rd 138kV Cap." Please provide the following information regarding these projects:</p> <p>a. Please report the final total project cost by FERC Account for these projects.</p> <p>b. The need for these projects.</p> <p>c. How these projects were selected among possible alternatives.</p> <p>d. The initial budget for these projects.</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx

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	e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.				
PUC-RFI07-170	Please refer to Schedule M-3.1 under the projects named "PE190044 WEST GALVESTON - Inst. 1 12kv 5MVAR Reactor" and "PE190055 STEWART - Replace 10mvar reactor with 5mvar reactor." Please provide the following information regarding these projects: a. Please report the final total project cost by FERC Account for these projects. b. The need for these projects. c. How these projects were selected among possible alternatives. d. The initial budget for these projects. e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-171	Please refer to Schedule M-3.1 under the projects named "PE190135 HARRISBURG - Remove&Relocate 12kv CapBank" and "PE190136 HEIGHTS - Install 12kv Cap Bank at TRF #1." Please provide the following information regarding these projects: a. Please report the final total project cost by FERC Account for these projects. b. The need for these projects. c. How these projects were selected among possible alternatives. d. The initial budget for these projects. e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-172	Please refer to Schedule M-3.1 under the project named "PE200194 VILLAGE CREEK - Install(2) 14.4 MVAR Cap." Please provide the following information regarding this project: a. Please report the final total project cost by FERC Account for this project. b. The need for this project. c. How this project was selected among possible alternatives. d. The initial budget for this project.	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx

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	e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.				
PUC-RFI07-173	<p>Please refer to Schedule M-3.1 under the project named "PE210019 CEDAR BAYOU PLANT - Install 138kV Series Reactor." Please provide the following information regarding this project:</p> <p>a. Please report the final total project cost by FERC Account for this project.</p> <p>b. The need for this project.</p> <p>c. How this project was selected among possible alternatives.</p> <p>d. The initial budget for this project.</p> <p>e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-174	<p>Please refer to Schedule M-3.1 under the project named "PE220328 JONTE - INSTALL 138KV 20MVAR CAP BANK." Please provide the following information regarding this project:</p> <p>a. Please report the final total project cost by FERC Account for this project.</p> <p>b. The need for this project.</p> <p>c. How this project was selected among possible alternatives.</p> <p>d. The initial budget for this project.</p> <p>e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-175	<p>Please refer to Schedule M-3.1 under the project named "PE220327 TANNER - INSTALL 3RD 100MVA TRANSFORMER & 2-35KV FEEDERS PLUS 4 CKTS." Please provide the following information regarding this project:</p> <p>a. Please report the final total project cost by FERC Account for this project.</p> <p>b. The need for this project.</p> <p>c. How this project was selected among possible alternatives.</p> <p>d. The initial budget for this project.</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx

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	e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.				
PUC-RFI07-176	<p>Please refer to Schedule M-3.1 under the project named "PE230044 FAIRBANKS - INSTALL 10TH 35KV FEEDER." Please provide the following information regarding this project:</p> <p>a. Please report the final total project cost by FERC Account for this project.</p> <p>b. The need for this project.</p> <p>c. How this project was selected among possible alternatives.</p> <p>d. The initial budget for this project.</p> <p>e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-177	<p>Please refer to Schedule M-3.1 under the project named "PE220087 ANGLETON - UPGRADE TRANSFORMERS & CONVERT TO LOW PROFILE." Please provide the following information regarding this project:</p> <p>a. Please report the final total project cost by FERC Account for this project.</p> <p>b. The need for this project.</p> <p>c. How this project was selected among possible alternatives.</p> <p>d. The initial budget for this project.</p> <p>e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-178	<p>Please refer to Schedule M-3.1 under the project named "PE220093 THW - INSTALL 10TH 35KV FEEDER." Please provide the following information regarding this project:</p> <p>a. Please report the final total project cost by FERC Account for this project.</p> <p>b. The need for this project.</p> <p>c. How this project was selected among possible alternatives.</p> <p>d. The initial budget for this project.</p>	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx

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	e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.				
PUC-RFI07-179	Please refer to Schedule M-3.1 under the projects named "PE230043 SPRINGWOOD - INSTALL 138KV BKR STATION" and "PE230046 ROTHWOOD - UPGRADE LINE RELAYING ON SPRINGWOOD CKTS." Please provide the following information regarding these projects: a. Please report the final total project cost by FERC Account for these projects. b. The need for these projects. c. How these projects were selected among possible alternatives. d. The initial budget for these projects. e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07-180	Please refer to Schedule M-3.1 under the projects named "PE220095 TWINWOOD - BUILD NEW 35KV SUBSTATION" and "PE230341 TWINWOOD - INSTALL 138/35KV MOBILE SUBSTATION." Please provide the following information regarding these projects: a. Please report the final total project cost by FERC Account for these projects. b. The need for these projects. c. How these projects were selected among possible alternatives. d. The initial budget for these projects. e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.	This information will be provided in a Supplemental filing.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx

	A	B	C	D	E	F	G	H	I	J
1	This file starts with Schedule III-3.1 in columns A through L, displays the corresponding PUC RFI set 07 question numbers in columns O through Q, and adds responses to the RFIs for parts b etc starting in column S.									
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10	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
11	Projects Submitted to ERCOT RPG	WBS#	(a) Project Name (with CCN Docket No., if Any)	(b) Estimated Costs at the Time of ERCOT Review (if Any)	(c) Estimated Costs in First MCPR Entry*	(d) First MCPR Where Project Appeared	Final Updated Costs in MCPR Entry	MCPR Where Cost Updated	(e) Final Total Project Costs	(f) Last MCPR Where Project Appeared
12										
13		HLP/00/1115/SB/0002	PE190001 Install 3rd 800MVA Auto Transformer (BP)		N/A	N/A	N/A	N/A	\$44,125,759	N/A
14		HLP/00/1115/SB/0005	PE190012 Loop 345kV STP/DOW CKT #27 Into Jones Creek (BP)		N/A	N/A	N/A	N/A		N/A
15		HLP/00/1115/SB/0003	PE190013 4th 138kV, 120MVAR Cap Bank and (2) Automatic Cap Banks		N/A	N/A	N/A	N/A		N/A
16		HLP/00/1114/SB/0001	PE180030 SOUTHWYCK - RECONFIGURE & UPGRADE 138KV CKT #05 LOOP BUS (BP)		N/A	N/A	N/A	N/A	\$1,374,414	N/A
17		HLP/00/1114/SB/0001	PE180151 HOC - Upgrade Line Relaying & Carrier on 138kV CKT #26 to Karsten		N/A	N/A	N/A	N/A		N/A
18		HLP/00/1114/SB/0001	PE180152 KARSTEN - Upgr Line Relaying & Carrier on 138kV CKT #26 to HOC & Repl RTU		N/A	N/A	N/A	N/A		N/A
19		HLP/00/0997/SB/0004	PE190058 BIG CREEK - BUILD NEW 138/12KV SUBSTATION (BP)		N/A	N/A	N/A	N/A	\$34,457,996	N/A
20		HLP/00/0997/SB/0007	PE190042 DAMON - CONVERT TO 138KV OPERATION (BP)		N/A	N/A	N/A	N/A		N/A
21		HLP/00/1349/SB	PE190043 West Columbia - Convert to 138kV Operation		N/A	N/A	N/A	N/A		N/A
22		HLP/00/0997/SB/0003	PE200020 NEEDVILLE - BUILD NEW 138/12KV SUBSTATION		N/A	N/A	N/A	N/A		N/A
23		HLP/00/0997/SB/0005	PE200021 FORT BEND - CONVERT CKT #45 TO 138KV OPERATION		N/A	N/A	N/A	N/A		N/A
24		HLP/00/0997/SB/0009	PE200022 WEST COLUMBIA - CONVERT CKT #45 TO 138KV OPERATION		N/A	N/A	N/A	N/A		N/A
25		HLP/00/0997/SB/0001	PE200023 WAP - REPLACE CARRIER EQUIPMENT CKT #02 TO W. COL		N/A	N/A	N/A	N/A		N/A
26		HLP/00/0997/SB/0006	PE200024 TEXWES - DISCONNECT CUSTOMER SUB & CONV TO DISTRIBUTION SERVICE		N/A	N/A	N/A	N/A		N/A
27		HLP/00/1408/SB/0002	PE200100 DEEPWATER - RECONNECT 138KV SWITCHYARD & INSTALL 800 HVA AUTO TRF		N/A	N/A	N/A	N/A	\$11,208,276	N/A
28		HLP/00/1408/SB/0001	PE200101 DEEPWATER - UPGRADE 138KV YARD FAULT DUTY TO 80KA (AP)		N/A	N/A	N/A	N/A		N/A
29		HLP/00/1408/SB/0002	PE200133 LYDELL - INSTALL 2ND FIBER OPTIC CABLE ON CKT #70 TO DEEPWATER		N/A	N/A	N/A	N/A		N/A
30		HLP/00/1416/SB/0003	PE210029 JORDAN - INSTALL 3RD 800MVA AUTO TRF / PE210033 JORDAN - LOOP 345KV CKT #97 TO CHAMBERS/KING		N/A	N/A	N/A	N/A		N/A
31		HLP/00/1416/SB/0001	PE210030 JORDAN - UPGRADE 138KV YARD TO 80KA		N/A	N/A	N/A	N/A		N/A

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10	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
11	Projects Submitted to ERCOT RPG	WBS#	(a) Project Name (with CCN Docket No., if Any)	(b) Estimated Costs at the Time of ERCOT Review (if Any)	(c) Estimated Costs in First MCPR Entry*	(d) First MCPR Where Project Appeared	Final Updated Costs in MCPR Entry	MCPR Where Cost Updated	(e) Final Total Project Costs	(f) Last MCPR Where Project Appeared
12		HLP/001416/SB/0002	PE210031 CHAMBERS - UPGRADE CARRIER ON CKT #97 TO JORDAN (WAS KING)		N/A	N/A	N/A	N/A	\$21,731,515	N/A
13		HLP/001416/SB/0002	PE210032 KING - UPGRADE CARRIER ON CKT #97 TO JORDAN (WAS CHAMBERS)		N/A	N/A	N/A	N/A		N/A
14		HLP/0010055/SB/0142	PE220008 PLACID - INSTALL SCADA SET AT NEW CUSTOMER SUB		N/A	N/A	N/A	N/A		N/A
15		HLP/0010055/SB/0142	PE220009 RIGBY - INSTALL DUAL FIBER OPTIC CABLES ON CKT #98 TO PLACID		N/A	N/A	N/A	N/A		N/A

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11	Projects Submitted to ERCOT RPG	WBS#	(a) Project Name (with CCN Docket No., if Any)	(b) Estimated Costs at the Time of ERCOT Review (if Any)	(c) Estimated Costs in First MCPR Entry*	(d) First MCPR Where Project Appeared	Final Updated Costs in MCPR Entry	MCPR Where Cost Updated	(e) Final Total Project Costs	(f) Last MCPR Where Project Appeared
36		HLP/DD/1425/SB/0001	PE220012 JORDAN - INSTALL NEW LINE POSITION FOR 138KV CKT TO WINFRE		N/A	N/A	N/A	N/A	\$6,147,756	N/A
37		HLP/DD/1425/SB/0001	PE220013 MONT BELVIEU - INSTALL LINE POSITION FOR NEW 138KV CKT TO LANGSTN		N/A	N/A	N/A	N/A		N/A
38		HLP/DD/1425/SB/0001	PE220014 DALTON - UPGRADE LINE RELAYING ON MONT BELVIEU CKT (WAS WINFRE)		N/A	N/A	N/A	N/A		N/A
39		HLP/DD/1425/SB/0001	PE220015 WINFRE - UPGRADE LINE RELAYING ON EAGLE CKT (WAS LANGSTON)		N/A	N/A	N/A	N/A		N/A
40		HLP/DD/1425/SB/0001	PE220016 WINFRE - UPGRADE LINE RELAYING ON JORDAN CKT (WAS DALTON)		N/A	N/A	N/A	N/A		N/A
41		HLP/DD/1425/SB/0001	PE220017 LANGSTN - UPGRADE LINE RELAYING ON CHEVRON CKT (WAS WINFRE)		N/A	N/A	N/A	N/A		N/A
42		HLP/DD/1425/SB/0001	PE220018 EAGLE - UPGRADE LINE RELAYING ON WINFRE CKT (WAS CHEVRON)		N/A	N/A	N/A	N/A		N/A
43		HLP/DD/1425/SB/0001	PE220019 CHEV - UPGRADE LINE RELAYING ON LANGSTON CKT (WAS EAGLE)		N/A	N/A	N/A	N/A		N/A
44		HLP/DD/1425/SB/0001	PE220020 CHEV - UPGRADE CBY CKT86 TO MIN 669MVA EMER RATING		N/A	N/A	N/A	N/A		N/A
45		HLP/DD/1425/SB/0001	PE220022 CEDAR BAYOU PLANT - UPGRADE CHEVRON CKT86 TO MIN 669MVA EMER RATING		N/A	N/A	N/A	N/A		N/A
46		HLP/DD/1425/SB/0001	PE220023 WARVUE - UPGRADE LINE RELAYING ON CKT TO MONT BELVIEU		N/A	N/A	N/A	N/A	\$1,682,716	N/A
47		HLP/DD/1412/SB/0003	PE200221 WALLIS - UPGRADE 138KV CKT65 LOOP BUS TO 4000A (AP)		N/A	N/A	N/A	N/A		N/A
48		HLP/DD/1412/SB/0001	PE200233 EAST BERNARD - UPGRADE 138KV CKT65 TO GEBHRT TO 4000A		N/A	N/A	N/A	N/A		N/A
49		HLP/DD/1399/SB	PE220054 SEALY - UPGRADE 138KV CKT65 LOOP BUS TO 4000A		N/A	N/A	N/A	N/A		N/A
50		HLP/DD/1399/SB	PE220055 PETERS - UPGRADE 138KV CKT65 TO GEBHRT TO 4000A		N/A	N/A	N/A	N/A		N/A
51		HLP/DD/1235/SB	PE200207 ANGLETON - UPGRADE CKT04 TO WEST COLUMBIA TO 368MVA (BP)		N/A	N/A	N/A	N/A	\$1,908,843	N/A
52		HLP/DD/1235/SB	PE200208 WEST COLUMBIA - UPGRADE CKT04 TO WEST COLUMBIA TO 368MVA (BP)		N/A	N/A	N/A	N/A		N/A
53		HLP/DD/0922/SB/0014	PE220097 ANGLETON - UPGRADE CKT D4 TO WEST COLUMBIA TO 4000A CONTINUOUS RATING		N/A	N/A	N/A	N/A		N/A
54		HLP/DD/1235/SB/0001	PE220098 WEST COLUMBIA - UPGRADE CKT 04 TO ANGLETON TO 4000A CONTINUOUS RATING		N/A	N/A	N/A	N/A		N/A
55		HLP/DD/0922/SB/0016	PE230005 HITCHCOCK - UPGRADE 138KV CKT 93 LOOP TO 4000A		N/A	N/A	N/A	N/A	\$543,217	N/A
56		HLP/DD/1413/SB	PE230008 Flewellen - UPGRADE 138KV PETERS CKT 25 TO 4000A CONTINUOUS RATING		N/A	N/A	N/A	N/A	\$1,351,937	N/A

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57		HLP/DD/1413/SB/0001	PE230009 Peters - UPGRADE 138KV FLEWELLEN CKT26 TO 400DA CONTINUOUS RATING		N/A	N/A	N/A	N/A		N/A
58		HLP/DD/0496/SB/0004	PE230024 THW - CKT29A1: UPGRADE THW EQ		N/A	N/A	N/A	N/A	\$8,288,151	N/A
59		HLP/DD/0496/SB/0005	PE230025 LITTLE YORK - CKT29A1: UPGRADE LITTLE YORK EQ		N/A	N/A	N/A	N/A		N/A
60		HLP/DD/0496/SB/0006	PE230026 WHITE OAK - CKT29A2: UPGRADE WHITE OAK EQ		N/A	N/A	N/A	N/A		N/A
61		HLP/DD/0496/SB/0004	PE230027 Bammel - UPGRADE CARRIER ON THW CKT 81		N/A	N/A	N/A	N/A		N/A
62		HLP/DD/1128/SB	PE220230 GYPSUM - EXTEND 138KV TRANSMISSION SERVICE TO NEW CUSTOMER-OWNED SPER STONE		N/A	N/A	N/A	N/A	\$19,865,818	N/A
63		HLP/DD/1128/SB/0004	PE220311 CLINTON - 138KV BREAKER STATION		N/A	N/A	N/A	N/A		N/A
64		HLP/DD/1128/SB/0001	PE220312 GALENA PARK - MOVE DISTRIBUTION LOAD TO 138KV & REMOVE 69/138KV SWITCHYAR FACILITIES		N/A	N/A	N/A	N/A		N/A
65		HLP/DD/1128/SB/0002	PE220313 GREENS BAYOU - RECONFIGURE 69KV SWITCHYARD & UPGRADE CARRIER ON 69KV CLINTON CKT		N/A	N/A	N/A	N/A		N/A
66		HLP/DD/1128/SB	PE220314 NINTH - UPGRADE RELAYING ON 138KV CLINTON CKT		N/A	N/A	N/A	N/A		N/A
67		HLP/DD/1128/SB	PE220315 ANBUSH - UPGRADE RELAYING ON 138KV CLINTON CKT		N/A	N/A	N/A	N/A		N/A
68		HLP/DD/1306/SB	PE220048 STONE LAKE - BUILD NEW 138/35KV SUBSTATION & (2) 14.4 MVAR CAP BANKS		N/A	N/A	N/A	N/A	\$21,653,042	N/A
69		HLP/DD/1306/SB	PE220049 HOCKLEY - UPGRADE CKT 66 TO TOMBALL		N/A	N/A	N/A	N/A		N/A
70		HLP/DD/1491/SB	PE220078 BUILD NEW 345KV SWITCHYARD TO CONNECT NEW GENERATOR		N/A	N/A	N/A	N/A	\$13,180,252	N/A
71		HLP/DD/1492/SB	PE220025 WOLF BUILD NEW 345KV BKR & 1/2 SWITCHYARD		N/A	N/A	N/A	N/A	\$13,792,269	N/A
72		HLP/DD/1492/SB	PE220026 HILLJE INSTALL POTT SCHEME ON 345KV CKT #64 TO WOLF		N/A	N/A	N/A	N/A		N/A
73		HLP/DD/1492/SB	PE220027 WAP INSTALL POTT SCHEME ON 345KV CKT #64 TO WOLF		N/A	N/A	N/A	N/A		N/A
74		HLP/DD/1493/SB	PE220028 BLUE - BUILD NEW 345KV BKR & 1/2 SWITCHYARD		N/A	N/A	N/A	N/A	\$16,388,080	N/A
75		HLP/DD/1493/SB	PE220029 BAILEY - INSTALL POTT SCHEME ON 345KV CKT #72 TO BLUE		N/A	N/A	N/A	N/A		N/A

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16		HLP/00/1493/SB	PE22003D HILLJE - INSTALL POTT SCHEME ON 345KV CKT #72 TO BLUE		N/A	N/A	N/A	N/A		N/A

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17		HLP/00/1497/SB	PE220031 HUNGERFORD - BUILD NEW 138KV BKR & 1/2 SWITCHYARD		N/A	N/A	N/A	N/A	510,509,804	N/A
78		HLP/00/1497/SB	PE220032 DYANN - UPGRADE LINE RELAYING ON CKT 60 TO HUNGERFORD		N/A	N/A	N/A	N/A		N/A
79		HLP/00/1497/SB	PE220033 DYANN - UPGRADE LINE RELAYING ON CKT 60 TO SOUTH LANE CITY		N/A	N/A	N/A	N/A		N/A
80		HLP/00/1497/SB	PE220034 EAST BERNARD - UPGRADE LINE RELAYING ON CKT 60 TO HUNGERFORD		N/A	N/A	N/A	N/A		N/A
81		HLP/00/1497/SB	PE220035 ORCHARD - UPGRADE LOOP BUS TO 525/580 MVA		N/A	N/A	N/A	N/A		N/A
82		HLP/00/1497/SB	PE220036 SOUTH LANE CITY - UPGRADE LINE RELAYING ON CKT 60 TO DYANN		N/A	N/A	N/A	N/A		N/A
83		HLP/00/1498/SB	PE220050 RIVERSIDE - BUILD NEW 138KV BKR & 1/2 SWITCHYARD		N/A	N/A	N/A	N/A	58,660,059	N/A
84		HLP/00/1498/SB	PE220051 CHAMON - INSTALL DUAL FIBER ON CKT #94 TO RIVERSIDE		N/A	N/A	N/A	N/A		N/A
85		HLP/00/1498/SB	PE220052 PSARCO - INSTALL DUAL FIBER ON CKT #94 TO RIVERSIDE		N/A	N/A	N/A	N/A		N/A
86		HLP/00/1501/SB	PE220069 DANBURY - BUILD NEW 138KV BKR & 1/2 SWITCHYARD		N/A	N/A	N/A	N/A	59,666,836	N/A
87		HLP/00/1501/SB	PE220070 ANGLETON - UPGRADE LINE RELAYING ON CKT 04 TO DANBURY		N/A	N/A	N/A	N/A		N/A
88		HLP/00/1501/SB	PE220071 PETSON - UPGRADE LINE RELAYING ON CKT 04 TO DANBURY		N/A	N/A	N/A	N/A		N/A
89		HLP/00/1501/SB	PE220073 MONSAN - CONVERT 2ND DCB RELAY SCHEME TO POTT		N/A	N/A	N/A	N/A		N/A
90		HLP/00/1501/SB	PE220075 HUDSON - UPGRADE LINE RELAYING ON 138KV CKT TO WEBSTER		N/A	N/A	N/A	N/A		N/A
91		HLP/00/1501/SB	PE220076 WEBSTER - INSTALL POTT RELAY SCHEME ON 138KV CKT TO HUDSON		N/A	N/A	N/A	N/A		N/A
92		HLP/00/1501/SB	PE220212 LIVERPOOL - ROUTE FIBER INTO CONTROL CURBICLE		N/A	N/A	N/A	N/A		N/A

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93		HLP/DD/1516/SB	PE220103 ANGLETON-INSTALL LINE POSITION FOR NEW GENERATOR (MARK ONE)		N/A	N/A	N/A	N/A	\$2,671,429	N/A
94		HLP/DD/1516/SB	PE220104 ANGLETON-UPGRADE 138 KV CKT 26 TO KARSTEN TO MIN 384 MVA EMERGENCY		N/A	N/A	N/A	N/A		N/A
95		HLP/DD/1516/SB	PE220105 MONSAN-UPGRADE 138 KV CKT 04 TO PETSON TO MIN 290 MVA EMERGENCY RATING		N/A	N/A	N/A	N/A		N/A
96		HLP/DD/1516/SB	PE220106 HOC-UPGRADE 138 KV SOUTHWESTERN BUS TO MIN 775 MVA CONTINUOUS		N/A	N/A	N/A	N/A		N/A
97		HLP/DD/1268/SB	PE190053 GARTH - BUILD NEW 138/12KV SUBSTATION (AP)Π		N/A	N/A	N/A	N/A	\$13,786,556	N/A
98		HLP/DD/1268/SB	PE190058 HANEY - MODIFY 138KV SECTIONALIZING SCHEME (AP)		N/A	N/A	N/A	N/A		N/A
99		HLP/DD/1268/SB	PE190287 BAYTOWN - INSTALL DER TRANSFER TRIP		N/A	N/A	N/A	N/A		N/A
100		HLP/DD/1250/SB	PE190052 LAKE HOUSTON BUILD NEW 138/35KV SUBSTATION (AP)		N/A	N/A	N/A	N/A		N/A
101		HLP/DD/1250/SB	PE190061 KINGWOOD - MODIFY 138KV SECTIONALIZING SCHEME (AP)		N/A	N/A	N/A	N/A	\$12,582,059	N/A
102		HLP/DD/1308/SB	PE210065 WORTHAM BUILD NEW 138/35KV SUBSTATION		N/A	N/A	N/A	N/A	\$7,968,126	N/A
103		HLP/DD/1389/SB	PE200037 BURKE - BUILD NEW 138KV SWITCHYARD _		N/A	N/A	N/A	N/A	\$6,622,806	N/A
104		HLP/DD/1454/SB	PE210068 EAGLE NEST BUILD NEW 138KV SWITCHYARD TO CONNECT NEW GENERATORΠ		N/A	N/A	N/A	N/A	\$9,486,978	N/A
105		HLP/DD/1454/SB	PE210071 BURKE INSTALL POTT RELAY SCHEME ON CKT D2 TO EAGLE NEST		N/A	N/A	N/A	N/A		N/A
106		HLP/DD/1454/SB	PE210072 WEST COLUMBIA INSTALL POTT RELAY SCHEME ON CKT D2 TO EAGLE NEST		N/A	N/A	N/A	N/A		N/A
107		HLP/DD/1216/SB/0003	PE180147 MILLER Upgrade Relaying on CKT #68 to Baytown (BP)		N/A	N/A	N/A	N/A		N/A
108		HLP/DD/1216/SB/0003	PE180148 BAYTOWN Upgrade Relaying on CKT #67 to MILLER (BP)		N/A	N/A	N/A	N/A	\$1,004,983	N/A
109		HLP/DD/1262/SB	PE190034 REFUGE - BUILD NEW 345KV SWITCHYARD (AP)		N/A	N/A	N/A	N/A	\$15,641,545	N/A
110		HLP/DD/1338/SB	PE190152 GREENS BAYOU RECONFIGURE 138KV YARD (AP)		N/A	N/A	N/A	N/A		N/A
111		HLP/DD/1338/SB	PE190153 ANBUSH UPGRADE RELAYING ON 138KV CKT #08 TO GBY (AP)		N/A	N/A	N/A	N/A		N/A

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112		HLP/DD/1338/SB	PE190121 WHITE OAK REPLACE LINE PANEL ON 138KV CKT #03 TO GREENS BAYOU (AP)		N/A	N/A	N/A	N/A	\$10,075,039	N/A
113		HLP/DD/1338/SB	PE190224 HARDY UPGRADE CARRIER EQUIPMENT ON CKT #95 TO GREENS BAYOU (AP)		N/A	N/A	N/A	N/A		N/A

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114		HLP/00/1345/SB	PE200040 LIMBURG Limburg Substation (SUB) Build new 138kV		N/A	N/A	N/A	N/A	\$11,505,152	N/A
115		HLP/00/1345/SB	PE200041 SOUTHMYCK UPGRADE 138KV LINE SECTIONALIZING SCHEME		N/A	N/A	N/A	N/A		N/A
		HLP/00/1335/SB	PE190049 BLODGETT CONVERT TO 138KV OPERATION (AP)		N/A	N/A	N/A	N/A	\$9,540,474	N/A
116										
		HLP/00/1450/SB	PE210046 HILLJE - Install 345 kV Line Position for New Generator (Danish Fields Solar)...		N/A	N/A	N/A	N/A	\$3,355,022	N/A
117										
		HLP/00/1518/SB/0003	PE220101 HOC RELOCATE 138 KV CKT 05 TO WEBSTER		N/A	N/A	N/A	N/A	\$1,887,745	N/A
118										
		HLP/00/1518/SB/0003	PE220102 WEBSTER UPGRADE LINE RELAYING ON CKT 05 TO HOC		N/A	N/A	N/A	N/A		N/A
119										
		HLP/00/1424/SB/0001	PE210050 PEARLAND INSTALL 138 KV. 40 MVAR CAP BANK		N/A	N/A	N/A	N/A	\$31,328,763	N/A
120										
		HLP/00/1424/SB/0001	PE220042 MYKAWA BUILD NEW 138KV BKR & 1/2 SWITCHYARD		N/A	N/A	N/A	N/A		N/A
121										
		HLP/00/1424/SB/0001	PE220043 COUGAR UPGRADE CARRIER EQUIPMENT ON CKT TO MYKAWA		N/A	N/A	N/A	N/A		N/A
122										
		HLP/00/1424/SB/0001	PE220045 PHR UPGRADE CARRIER EQUIPMENT ON CKT TO MYKAWA		N/A	N/A	N/A	N/A		N/A
123										
		HLP/00/1424/SB/0001	PE220046 PLAZA UPGRADE CARRIER EQUIPMENT ON CKT TO MYKAWA		N/A	N/A	N/A	N/A		N/A
124										
		HLP/00/0017/SB	PE220318 MYKAWA BUILD NEW DUAL VOLTAGE DISTRIBUTION SUB 38kV & 12kV		N/A	N/A	N/A	N/A		N/A
125										
		HLP/00/1428/SB/0001	PE200289 HOC INSTALL LINE POS.FOR NEW GENERATOR (PES1) & UPG.CKT 90 TO GARROTT		N/A	N/A	N/A	N/A	\$1,788,979	N/A
126										

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127		HLP/DD1414/SB/0002	PE200209 STRANG UPGRADE RELAYING AND CARRIER ON CKT87 TO CEDAR BAYOU		N/A	N/A	N/A	N/A	\$4,165,161	N/A
128		HLP/DD1414/SB/0002	PE200210 CEDAR BAYOU PLANT UPGRADE RELAYING AND CARRIER ON CKT87 TO STRANG		N/A	N/A	N/A	N/A		N/A
129		HLP/DD1414/SB/0005	PE200211 QUANUM UPGRADE RELAYING AND CARRIER ON CKT85 TO CEDAR BAYOU		N/A	N/A	N/A	N/A		N/A
130		HLP/DD1414/SB/0005	PE200212 CEDAR BAYOU PLANT UPGRADE RELAYING AND CARRIER ON CKT85 TO QUANUM		N/A	N/A	N/A	N/A		N/A
131		HLP/DD1414/SB/0001	PE200213 BAYOU UPGRADE RELAYING AND CARRIER ON CKT79 TO MORGANS POINT		N/A	N/A	N/A	N/A		N/A
132		HLP/DD1414/SB/0008	PE200214 MORGANS POINT UPGRADE RELAYING AND CARRIER ON CKT79 TO BAYOU, PRE-INSTALL DUAL FIBER CABLES		N/A	N/A	N/A	N/A		N/A
133		HLP/DD1414/SB/0010	PE200215 CHORIN INSTALL DUAL FIBER ON CKT87 TO SRB		N/A	N/A	N/A	N/A		N/A
134		HLP/DD1414/SB/0004	PE200216 SRB UPGRADE WAVE TRAP ON CKT87 TO CHORIN		N/A	N/A	N/A	N/A		N/A
135		HLP/DD1414/SB/0007	PE200217 CEDAR BAYOU PLANT UPGRADE RELAYING AND CARRIER ON CKT84 TO HOPSON		N/A	N/A	N/A	N/A		N/A
136		HLP/DD1414/SB/0007	PE200218 HOPSON UPGRADE RELAYING AND CARRIER ON CKT84 TO CEDAR BAYOU		N/A	N/A	N/A	N/A		N/A
137		HLP/DD1414/SB/0009	PE200219 DECKER UPGRADE CKT83 TO CEDAR BAYOU TO 498MVA		N/A	N/A	N/A	N/A	\$10,083,148	N/A
138		HLP/DD0130/SB/0025	PE190047 HOC - Install 138kV Series Reactor (BP)		N/A	N/A	N/A	N/A		N/A
139		HLP/DD0130/SB/0037 or HLP/DD0130/SB/0036	PE190048 WAP - Install 138kV Series Reactors (BP)		N/A	N/A	N/A	N/A		N/A
140		HLP/DD0130/SB/0037	PE190074 BRITMOORE - UPGRADE CARRIER EQUIPMENT ON 138KV CKT #09 TO WAP (BP)		N/A	N/A	N/A	N/A		N/A
141		HLP/DD0130/SB/0037	PE190075 FORT BEND - REMOVE CARRIER EQUIPMENT ON 138KV CKT #09 TO WAP (BP)		N/A	N/A	N/A	N/A		N/A
142		HLP/DD1571/SB	PE220236 WATERHOLE BUILD NEW CNP 345KV BKR-3-1/2 INTERCONNECTION SWITCHYARD		N/A	N/A	N/A	N/A	\$537,976	N/A
143		HLP/DD1571/SB	PE220237 BAILEY UPGRADE LINE RELAYING ON CKT62 TO WATERHOLE		N/A	N/A	N/A	N/A		N/A
144		HLP/DD1571/SB	PE220238 JONES CREEK UPGRADE LINE RELAYING ON CKT62 TO WATERHOLE		N/A	N/A	N/A	N/A		N/A
145		HLP/DD1577/SB	PE220319 GULFTIE BUILD NEW CNP 138KV BKR-3-1/2 INTERCONNECTION SWITCHYARD		N/A	N/A	N/A	N/A	\$11,680,352	N/A

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146		HLP/DD/157D/SB	PE220223 MONSANTO UPGRADE HUDSON CKT04 TO MINIMUM 507/507MVA		N/A	N/A	N/A	N/A	\$757,292	N/A
147		HLP/DD/157D/SB	PE220224 MUSTANG BAYOU UPGRADE 138KV LOOP BUS TO MINIMUM 568/568MVA		N/A	N/A	N/A	N/A		N/A
148		HLP/DD/157D/SB	PE220226 LIVERPOOL UPGRADE 138KV LOOP BUS TO MINIMUM 517/517MVA		N/A	N/A	N/A	N/A		N/A
149		HLP/DD/1567/SB	PE220218 ARCHER BUILD NEW CNP 138KV BKR-8-1/2 INTERCONNECTION SWITCHYARD		N/A	N/A	N/A	N/A	\$10,540,992	N/A
150		HLP/DD/1567/SB	PE220219 KARSTEN UPGRADE LINE RELAYING ON CKT26 TO ARCHER		N/A	N/A	N/A	N/A		N/A
151		HLP/DD/1567/SB	PE220220 ANGLETON UPGRADE LINE RELAYING ON CKT26 TO ARCHER MIN 384/384MVA		N/A	N/A	N/A	N/A		N/A
152		HLP/DD/1512/SB	PE220057 WEST COLUMBIA - UPGRADE 138KV YARD FAULT DUTY TO 63KA		N/A	N/A	N/A	N/A	\$1,138,470	N/A
153		HLP/DD/1500/SB	PE220053 SMITHERS - BUILD 345KV LINE POSITION FOR NEW GENERATOR		N/A	N/A	N/A	N/A	\$5,332,249	N/A
154		HLP/DD/148S/SB	PE210082 WEST COLUMBIA Expand 138 kV Ring Bus to Connect New Generator		N/A	N/A	N/A	N/A	\$2,549,015	N/A
155		HLP/DD/1419/SB/0001	PE210034 SRB REMOVE 69KV FACILITIES & ADD 138KV BUS TIE BKR		N/A	N/A	N/A	N/A	\$3,970,000	N/A
156		HLP/DD/1419/SB/0003	PE210035 SRB INSTALL 100MVAR CAP BANK		N/A	N/A	N/A	N/A		N/A
157		HLP/DD/1419/SB/0003	PE210036 HOC REMOVE & RELOCATE 138KV, 100MVAR CAP BANK		N/A	N/A	N/A	N/A		N/A
158		HLP/DD/1419/SB/0002	PE210037 SOUTH CHANNEL RECONFIGURE 69KV SRB CKT-23 AS DEEPWATER CKT-23		N/A	N/A	N/A	N/A		N/A
159		HLP/DD/1419/SB/0002	PE210038 DEEPWATER RECONFIGURE 69KV SRB CKT AS SOUTH CHANNEL CKT		N/A	N/A	N/A	N/A		N/A

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160		HLP/00/1233/SB/0001	PE210077 WHITE OAK INSTALL 2ND 138KV KV AUTO		N/A	N/A	N/A	N/A	\$10,006,527	N/A
161		HLP/00/1233/SB/0002	PE210078 WHITE OAK UPGRADE 69 KV CKT 34 TO HEIGHTS TO MIN 192/192 MVA		N/A	N/A	N/A	N/A		N/A
162		HLP/00/1233/SB/0002	PE210079 HEIGHTS UPGRADE 69 KV CKT 34 TO WHITE OAK TO MIN 192/192 MVA		N/A	N/A	N/A	N/A		N/A
163		HLP/00/1233/SB/0001	PE210080 SAN FELIPE UPGRADE CARRIER EQUIP ON 138 KV CKT 09 TO WHITE OAK		N/A	N/A	N/A	N/A		N/A
164		HLP/00/1325/SB	PE210256 DEHL - INSTALL 11TH & 12TH 12KV FEEDERS		N/A	N/A	N/A	N/A		N/A
165		HLP/00/1480/SB	PE220089 AIRLINE - INSTALL 12TH 12KV FEEDER		N/A	N/A	N/A	N/A		N/A
166		HLP/00/1184/SB	PE220085 CROCKETT - INSTALL 3RD TRANSFORMER & 3-12 KV FEEDERS		N/A	N/A	N/A	N/A		N/A
167		HLP/00/1337/SB	PE210020 Jones Creek - Install new 138kv positions		N/A	N/A	N/A	N/A	\$10,999,746	N/A
168		HLP/00/1337/SB	PE210021 Velasco - Reconfigure for new Jones Creek ckt		N/A	N/A	N/A	N/A		N/A
169		HLP/00/0130/SB/0044	PE200088 JONES CREEK - RECONFIGURE 138KV SWITCHYARD		N/A	N/A	N/A	N/A		N/A
170		HLP/00/1278/SB	PE180217 NASH - CONVERT TO 138KV OPERATION (AP)		N/A	N/A	N/A	N/A	\$6,896,804	N/A
171		HLP/00/1248/SB	PE170065 HOFMAN - REPLACE LINE PANEL ON CKT #02 TO BASF & REPL RTU (AP)		N/A	N/A	N/A	N/A	\$911,741	N/A
172		HLP/00/1248/SB	PE170067 BASF - REPLACE LINE PANEL & JUMPERS ON CKT #02 TO HOFMAN & REPL RT (AP)		N/A	N/A	N/A	N/A		N/A
173		HLP/00/1248/SB	PE180214 LAKE HOUSTON - UPGRADE CKT #02 LOOP BUS		N/A	N/A	N/A	N/A		N/A
174		HLP/00/1480/SB/0001	PE210098 Hillje - BUILD NEW 345KV LINE POSITION FOR NEW GENERATOR		N/A	N/A	N/A	N/A	\$2,352,739	N/A
175		HLP/00/1445/SB	PE210039 Angleton - Install Line Position for New Generator (MYRTLE)		N/A	N/A	N/A	N/A	\$2,155,740	N/A
176		HLP/00/1453/SB	PE210067 Cedar Creek - BUILD NEW 345KV SWITCHYARD TO CONNECT NEW GENERATOR		N/A	N/A	N/A	N/A	\$16,139,770	N/A
177		HLP/00/1453/SB	PE210069 Bailey - INSTALL POTT RELAY SCHEME ON CKT 72 TO CEDAR CREEK		N/A	N/A	N/A	N/A		N/A
178		HLP/00/1453/SB	PE210070 WAP - INSTALL POTT RELAY SCHEME ON CKT 72 TO CEDAR CREEK		N/A	N/A	N/A	N/A		N/A

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179		HLP/00/0996/SB	PE210232 ALTA LOWA - INSTALL 8TH 12KV FEEDER		N/A	N/A	N/A	N/A	50,300,799	N/A
180		HLP/00/0996/SB	PE210233 MUSTANG BAYOU - INSTALL 3RD & 4TH 12KV FEEDERS		N/A	N/A	N/A	N/A		N/A
181		HLP/00/0996/SB	PE210234 WEBSTER - UPGRADE MANVEL 69KV LINE RELAYING FOR ALVIN BYPASS		N/A	N/A	N/A	N/A		N/A
182		HLP/00/0996/SB	PE230002 ALVIN - CONVERT TO 138KV OPERATION & INSTALL 2ND TRF		N/A	N/A	N/A	N/A		N/A
183		HLP/00/0996/SB	PE230003 MANVEL - CONVERT TO 138KV OPERATION		N/A	N/A	N/A	N/A		N/A
184		HLP/00/0996/SB	PE230018 HOC - DISCONNECT 69KV CKT 53 TO KARSTEN		N/A	N/A	N/A	N/A		N/A
185		HLP/00/0996/SB	PE230019 WEBSTER - REMOVE 69KV FACILITIES (INCLUDING AUTO)		N/A	N/A	N/A	N/A		N/A
186		HLP/00/0996/SB	PE230021 KARSTEN - REMOVE 69KV FACILITIES & REVISE LINE RELAYING ON 138KV CKT6 TO ANGLETON		N/A	N/A	N/A	N/A		N/A
187		HLP/00/1162/SB	PE210063 WALLER INSTALL 2ND TRF AND 35KV FEEDER		N/A	N/A	N/A	N/A	52,387,619	N/A
188		HLP/00/1228/SB	PE190051 READING - Install (2) 100 MVA TRF's & (3) 35kv Feeders (BP)		N/A	N/A	N/A	N/A	\$7,797,242	N/A
189		HLP/00/1112/SB	PE150234 HOC - CONVERT TRFS #1, #2, & #3 TO 138KV OPERATION		N/A	N/A	N/A	N/A	\$13,911,121	N/A
190		HLP/00/0936/SB	PE180144 HOC - REPLACE CONVENTIONAL SUB WITH BKR & HALF		N/A	N/A	N/A	N/A		N/A
191		HLP/00/1152/SB	PE160410 RED BLUFF BUILD NEW 138/12KV SUBSTATION		N/A	N/A	N/A	N/A	\$13,077,763	N/A
192		HLP/00/1117/SB	PE180135 DUNLAVY - UPGRADE 69KV CKT #31 TO HEIGHTS (BP)		N/A	N/A	N/A	N/A	5413,900	N/A
193		HLP/00/1117/SB	PE180136 HEIGHTS - UPGRADE 69KV CKT #31 TO DUNLAVY		N/A	N/A	N/A	N/A		N/A
194		HLP/00/1525/SB	PE220211 HEIGHTS - UPGRADE DUNLAVY CKT31		N/A	N/A	N/A	N/A		N/A
195		HLP/00/1190/SB	PE180044 CEDAR BAYOU PLANT UPGRADE 138KV CKT #87 TO STRANG		N/A	N/A	N/A	N/A		N/A

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196		HLP/00/1190/SB	PE180036 CHORIN UPGRADE 138KV CKT #87 TO SRB, INCREASE AMPACITY (REPLACE AITEK WITH RUSSEL SUB)		N/A	N/A	N/A	N/A	\$2,873,376	N/A
197		HLP/00/1190/SB	PE180034 SRB UPGRADE 138KV CKT #87 TO CHORIN, INCREASE AMPACITY		N/A	N/A	N/A	N/A		N/A
198		HLP/00/1190/SB	PE180043 CHORIN UPGRADE 138KV CKT #87 TO STRANG, INCREASE AMPACITY (BP)		N/A	N/A	N/A	N/A		N/A
199		HLP/00/1190/SB	PE170088 STRANG UPGRADE AMPACITY OF CUSTOMER SUBSTATION		N/A	N/A	N/A	N/A		N/A

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200		HLP/DD/1288/SB	PE210060 MISSOURI CITY INSTALL 3RD TRF AND (2) 12KV FEEDERS		N/A	N/A	N/A	N/A	\$3,660,741	N/A
201		HLP/DD/1444/SB	PE210028 WEST GALVESTON - ADD 3RD 12KV, 50MVA TRANSFORMER		N/A	N/A	N/A	N/A	\$3,439,111	N/A
202		HLP/DD/1444/SB	PE200260 SPARES-PURCH 30/40/50 MVA POWER TRF		N/A	N/A	N/A	N/A		N/A
203		HLP/DD/1344/SB	PE190002 JONES CREEK BUILD NEW 138/12KV SUBSTATION (AP)		N/A	N/A	N/A	N/A	\$13,813,539	N/A
204		HLP/DD/1482/SB/0001	PE220037 SAN BERNARD BUILD NEW 138KV BKR & 1/2 SWITCHYARD		N/A	N/A	N/A	N/A	\$8,834,491	N/A
205		HLP/DD/1482/SB/0001	PE220038 SOUTH LANE CITY INSTALL POTT SCHEME ON 138KV CKT TO SAN BERNARD		N/A	N/A	N/A	N/A		N/A
206		HLP/DD/1482/SB/0001	PE220041 WEST COLUMBIA UPGRADE RELAY SCHEME ON CKT 04 TO SAN BERNARD		N/A	N/A	N/A	N/A		N/A
207		HLP/DD/1482/SB/0001	PE220058 WEST COLUMBIA UPGRADE 138KV CKT04 TO SAN BERNARD TO MIN 81D/840 MVA RATING		N/A	N/A	N/A	N/A		N/A
208		HLP/DD/1483/SB/0001	PE220065 JONTE - BUILD NEW 138KV BKR & 1/2 SWITCHYARD		N/A	N/A	N/A	N/A	\$9,936,728	N/A
209		HLP/DD/1483/SB/0001	PE220066 NORTH BELT - UPGRADE LINE RELAYING ON CKT TO JONTE		N/A	N/A	N/A	N/A		N/A
210		HLP/DD/1483/SB/0001	PE220067 HARDY - UPGRADE CARRIER ON CKT TO JONTE		N/A	N/A	N/A	N/A		N/A
211		HLP/DD/1483/SB/0001	PE220068 CROSBY - UPGRADE CARRIER ON CKT TO JONTE		N/A	N/A	N/A	N/A		N/A
212		HLP/DD/1468/SB/0001	PE200387 PHR - UPGRADE RELAYING ON CKT 02 & CKT 03 TO ATTWATER (TNMP) (PHASE 1)		N/A	N/A	N/A	N/A	\$458,790	N/A
213		HLP/DD/1468/SB/0001	PE210175 PHR - UPGRADE 138KV CKT 02 TO TOPAZ (TNMP)		N/A	N/A	N/A	N/A		N/A
214		HLP/DD/1468/SB/0002	PE210176 PHR - UPGRADE 138KV CKT 03 TO TOPAZ (TNMP)		N/A	N/A	N/A	N/A		N/A
215		HLP/DD/1468/SB/0001	PE210179 PHR - UPGRADE RELAYING ON CKT 02 & CKT 03 TO ATTWATER (TNMP) (PHASE 2)		N/A	N/A	N/A	N/A		N/A

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216		HLP/001472/SB/0001	PE230028 ZENITH - EXPAND 138KV YARD TO INSTALL RADIAL CKT		N/A	N/A	N/A	N/A	\$4,446,005	N/A
217		HLP/001472/SB/0002	PE230029 VILLAGE CREEK - CONVERT FROM LOOP TO DOUBLE TAP CONFIGURATION		N/A	N/A	N/A	N/A		N/A
218		HLP/001395/SB	PE200042 BEASLY - BUILD NEW 138KV SWITCHYARD		N/A	N/A	N/A	N/A	\$11,293,948	N/A
219		HLP/001395/SB	PE200043 EAST BERNARD - UPGRADE CARRIER ON CKT #80		N/A	N/A	N/A	N/A		N/A
220		HLP/001395/SB	PE200044 SEALY - UPGRADE 138KV LOOP BUS TO 2500VVA		N/A	N/A	N/A	N/A		N/A

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221		HLP/00/0055/SB/0143	PE200258 ENCO - Install SCADA set at New Customer Sub		N/A	N/A	N/A	N/A	\$1,089,242	N/A
222		HLP/00/0095/SB/0115	PE200257 EL DORADO - INSTALL 12KV 7.2 kVAR CAP BANK		N/A	N/A	N/A	N/A		N/A
223		HLP/00/0095/SB/0114	PE200258 SPENCER - Install 12kv 7.2MVAR Cap Bank		N/A	N/A	N/A	N/A		N/A
224		HLP/00/0095/SB/0115	PE200261 HARRISBURG - REMOVE AND RELOCATE 12KV 10.8MVAR CAPACITOR BANK (CB2)		N/A	N/A	N/A	N/A		N/A
225		HLP/00/0798/SB	PE180017 SURFSI - REPLACE LINE PANEL ON CKT #59 TO JONES CREEK (TRANSFER TRIP)		N/A	N/A	N/A	N/A	\$1,462,055	N/A
226		HLP/00/0798/SB	PE190010 CELNEC - REPLACE LINE PANEL ON CKT #35 TO LOMAX		N/A	N/A	N/A	N/A		N/A
227		HLP/00/0798/SB	PE190009 JONES CREEK - INSTALL FIBER ON CKT #48 TO CORTEZ		N/A	N/A	N/A	N/A		N/A
228		HLP/00/0798/SB	PE190011 LOMAX - REPLACE LINE PANEL ON CKT #35 TO CELNEC-REPLACE METERING P'S CKT #35		N/A	N/A	N/A	N/A		N/A
229		HLP/00/0798/SB	PE190221 MARINE - ADD DUAL PILOT TO CORTEZ		N/A	N/A	N/A	N/A		N/A
230		HLP/00/0798/SB	PE190007 SURFSI - REPLACE LINE PANEL ON CKT #59 TO VELASCO		N/A	N/A	N/A	N/A		N/A
231		HLP/00/0798/SB	PE190008 VELASCO - ADD FIBER (DUAL PILOT) TO CKT #48 TO MARINE		N/A	N/A	N/A	N/A		N/A
232		HLP/00/0055/SB/0140	PE200047 SOUTH CHANNEL - UPGRADE LINE RELAYING		N/A	N/A	N/A	N/A	\$1,268,114	N/A
233		HLP/00/0055/SB/0140	PE200048 PAIR - UPGRADE LINE RELAYING / INSTALL FIBER		N/A	N/A	N/A	N/A		N/A
234		HLP/00/0055/SB/0140	PE200049 AIRPRO - UPGRADE LINE RELAYING		N/A	N/A	N/A	N/A		N/A
235		HLP/00/1286/SB	PE210055 BRITMOORE - INSTALL 3RD TRF AND (2) 12KV FEEDERS		N/A	N/A	N/A	N/A	\$3,605,380	N/A
236		HLP/00/1127/SB	PE190232 ZENITH - Area Auto TRF INCR. FAULT DUTY		N/A	N/A	N/A	N/A	\$8,118,155	N/A
237		HLP/00/1127/SB	PE180013 ZENITH - Install 3rd 345/138/23kv Auto TRF & Increase Fault Duty		N/A	N/A	N/A	N/A		N/A

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11	Projects Submitted to ERCOT RPG	WBS#	(a) Project Name (with CCN Docket No., if Any)	(b) Estimated Costs at the Time of ERCOT Review (if Any)	(c) Estimated Costs in First MCPR Entry*	(d) First MCPR Where Project Appeared	Final Updated Costs in MCPR Entry	MCPR Where Cost Updated	(e) Final Total Project Costs	(f) Last MCPR Where Project Appeared
238		HLP/DD/1259/SB	PE190063 PARKWAY - INSTALL 7TH & 8TH 12KV FEEDERS (BP)		N/A	N/A	N/A	N/A	\$448,448	N/A
239		HLP/DD/0596/SB	PE200086 WHARTON - INSTALL 7TH 12KV FEEDER (BP)		N/A	N/A	N/A	N/A	\$414,235	N/A
240		HLP/DD/1041/SB	PE200097 HOLMES - INSTALL 11TH & 12TH 12KV FEEDERS (AP)		N/A	N/A	N/A	N/A	\$483,883	N/A
241		HLP/DD/1060/SB	PE200090 TRINITY BAY - INSTALL 5TH 35KV FEEDER (BP)		N/A	N/A	N/A	N/A	\$727,215	N/A
242		HLP/DD/1253/SB	PE190050 BLODGETT - INSTALL 3RD TRF & (3) 12KV FEEDERS (AP)		N/A	N/A	N/A	N/A	\$2,065,731	N/A
243		HLP/DD/1289/SB	PE200074 PLAZA - INSTALL 3RD TRF AND (2) 35KV FEEDERS. EXTEND 138KV RING (AP)		N/A	N/A	N/A	N/A	\$8,487,436	N/A
244		HLP/DD/1357/SB	PE200076 NEEDVILLE - INSTALL 5TH & 6TH 12KV FEEDERS (BP)		N/A	N/A	N/A	N/A	\$483,134	N/A
245		HLP/DD/1402/SB	PE200089 JORDAN - INSTALL 5TH & 6TH 35KV FEEDERS (BP)		N/A	N/A	N/A	N/A	\$557,727	N/A
246		HLP/DD/1437/SB	PE200103 HILLJE - CONVERT 345KV SWITCHYARD TO BKR AND A HALF (BP)		N/A	N/A	N/A	N/A	\$2,994,312	N/A
247		HLP/DD/1437/SB	PE200109 STP - UPGRADE CARRIER ON HILLJE CIRCUITS		N/A	N/A	N/A	N/A		N/A
248		HLP/DD/1437/SB	PE200110 WAP - UPGRADE CARRIER ON HILLJE CIRCUITS		N/A	N/A	N/A	N/A		N/A
249		HLP/DD/1169/SB	PE210057 GERTIE - ADD 10TH FEEDER		N/A	N/A	N/A	N/A	\$288,425	N/A

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250		HLP/00/1312/SB	PE210062 SCENIC WOODS - INSTALL 35KV FACILITIES		N/A	N/A	N/A	N/A	\$6,459,356	N/A
251		HLP/00/1346/SB	PE210051 RED BLUFF - INSTALL 3RD TRF AND (2) 12KV FEEDERS		N/A	N/A	N/A	N/A	\$3,401,627	N/A
252		HLP/00/1407/SB	PE210058 CLODINE - INSTALL 4TH TRF AND (2) 12KV FEEDERS		N/A	N/A	N/A	N/A	\$4,368,012	N/A
253		HLP/00/1398/SB	PE200099 WHITE OAK - Install 15th 12kV Feeder (AP)		N/A	N/A	N/A	N/A	\$284,413	N/A
254		HLP/00/1451/SB	PE210053 CLEAR LAKE - Instl 3rd TRF & 2 12KV Fdr		N/A	N/A	N/A	N/A	\$4,042,381	N/A
255		HLP/00/1284/SB	PE200073 ALMEDA - Install 3rd trf & 3-12kv fdrs		N/A	N/A	N/A	N/A	\$1,697,024	N/A
256		HLP/00/1252/SB	PE190046 Northside - INSTL 3rd TRF & 2-12KV FDRS		N/A	N/A	N/A	N/A	\$5,574,260	N/A
257		HLP/00/1248/SB	PE190048 SPRINGWOOD - Instl 2 TRF's & 6 Fdrs IFDN		N/A	N/A	N/A	N/A	\$8,534,803	N/A
258		HLP/00/1123/SB	PE150235 UNIVERSITY - Convert Dist 69KV to 138KV		N/A	N/A	N/A	N/A	\$3,964,932	N/A
259		HLP/00/0095/SB/0087	PE190003 JONES CREEK - Install 3rd 138kV 120mvar Cap Bank		N/A	N/A	N/A	N/A	\$6,625,288	N/A
260		HLP/00/0095/SB/0087	PE180010 JONES CREEK - Install 2nd 138kV 180mvar Cap Bank		N/A	N/A	N/A	N/A		N/A
261		HLP/00/0095/SB/0087	PE190032 VELASCO - Install 2nd 138kV 120MVAR CB		N/A	N/A	N/A	N/A		N/A

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262		HLP/000095/SB/0104	PE190004 VELASCO - Install 3rd 138kV Cap Bank		N/A	N/A	N/A	N/A		N/A
263		HLP/000095/SB/0109	PE190044 WEST GALVESTON - Inst. 1 12kV 5MVAR Reactor		N/A	N/A	N/A	N/A		N/A
264		HLP/000095/SB/0110	PE190055 STEWART - Replace 10mvar reactor with 5mvar reactor		N/A	N/A	N/A	N/A	\$837,100	N/A
265		HLP/000095/SB/0111	PE190135 HARRISBURG - Remove&Relocate 12kV CapBank		N/A	N/A	N/A	N/A		N/A
266		HLP/000095/SB/0111	PE190136 HEIGHTS - Install 12kV Cap Bank at TRF #1		N/A	N/A	N/A	N/A	\$351,058	N/A
267		HLP/000095/SB/0112	PE200194 VILLAGE CREEK - Install(2) 14.4 kVAR Cap		N/A	N/A	N/A	N/A	\$732,747	N/A
268		HLP/000130/SB/0039	PE210019 CEDAR BAYOU PLANT - Install 138kV Series Reactor		N/A	N/A	N/A	N/A	\$2,240,106	N/A
269		HLP/000095/SB/0117	PE220328 JONTE - INSTALL 138KV 20MVAR CAP BANK		N/A	N/A	N/A	N/A	\$1,175,181	N/A
270		HLP/0001179/SB	PE220327 TANNER - INSTALL 3RD 100MVA TRANSFORMER & 2-35KV FEEDERS PLUS 4 CKTS		N/A	N/A	N/A	N/A	\$6,386,728	N/A
271		HLP/0001318/SB	PE230044 FAIRBANKS - INSTALL 10TH 35KV FEEDER		N/A	N/A	N/A	N/A	\$347,805	N/A
272		HLP/0001506/SB	PE220087 ANGLETON - UPGRADE TRANSFORMERS & CONVERT TO LOW PROFILE		N/A	N/A	N/A	N/A	\$11,829,780	N/A
273		HLP/0001507/SB	PE220093 THW - INSTALL 10TH 35KV FEEDER		N/A	N/A	N/A	N/A	\$348,512	N/A
274		HLP/0001578/SB	PE230043 SPRINGWOOD - INSTALL 138KV BKR STATION		N/A	N/A	N/A	N/A		N/A
275		HLP/0001578/SB	PE230046 ROTHWOOD - UPGRADE LINE RELAYING ON SPRINGWOOD CKTS		N/A	N/A	N/A	N/A	\$6,039,262	N/A
276		HLP/0001417/SB	PE220095 TWINWOOD - BUILD NEW 35KV SUBSTATION		N/A	N/A	N/A	N/A	\$31,373,047	N/A

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277		HLP/00/1417/SB	PE230341 TWINWOOD - INSTALL 138/39KV MOBILE SUBSTATION		N/A	N/A	N/A	N/A		N/A
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11	Projects Submitted to ERCOT RPG	WBS#	(a) Project Name (with CCN Docket No., if Any)	(g) Percent difference between (c) and (e) [% diff btwn Initial & final estimate]	(h) Percent difference between Column G and (e) [% diff btwn actual and final estimate]	Variance Explanation	PUC RFI 7			
12										
13		HLP/00/1115/SB/0002	PE190001 Install 3rd 800MVA Auto Transformer (BP)	N/A	N/A		76			
14		HLP/00/1115/SB/0005	PE190012 Loop 345kV STP/DOW CKT #27 Into Jones Creek (BP)	N/A	N/A		76			
15		HLP/00/1115/SB/0003	PE190013 4th 138kV, 120MVAR Cap Bank and (2) Automatic Cap Banks	N/A	N/A		76			
16		HLP/00/1114/SB/0001	PE180030 SOUTHWYCK - RECONFIGURE & UPGRADE 138KV CKT #05 LOOP BUS (BP)	N/A	N/A		77			
17		HLP/00/1114/SB/0001	PE180151 HOC - Upgrade Line Relaying & Carrier on 138kV CKT #26 to Karsten	N/A	N/A		77			
18		HLP/00/1114/SB/0001	PE180152 KARSTEN - Upgr Line Relaying & Carrier on 138kV CKT #26 to HOC & Repl RTU	N/A	N/A		77			
19		HLP/00/0997/SB/0004	PE190058 BIG CREEK - BUILD NEW 138/12KV SUBSTATION (BP)	N/A	N/A			78		
20		HLP/00/0997/SB/0007	PE190042 DAMON - CONVERT TO 138KV OPERATION (BP)	N/A	N/A			78		
21		HLP/00/1349/SB	PE190043 West Columbia - Convert to 138kV Operation	N/A	N/A			78		
22		HLP/00/0997/SB/0003	PE200020 NEEDVILLE - BUILD NEW 138/12KV SUBSTATION	N/A	N/A			78		
23		HLP/00/0997/SB/0005	PE200021 FORT BEND - CONVERT CKT #45 TO 138KV OPERATION	N/A	N/A			78		
24		HLP/00/0997/SB/0009	PE200022 WEST COLUMBIA - CONVERT CKT #45 TO 138KV OPERATION	N/A	N/A			78		
25		HLP/00/0997/SB/0001	PE200023 WAP - REPLACE CARRIER EQUIPMENT CKT #02 TO W. COL	N/A	N/A			78		
26		HLP/00/0997/SB/0006	PE200024 TEXWES - DISCONNECT CUSTOMER SUB & CONV TO DISTRIBUTION SERVICE	N/A	N/A			78		
27		HLP/00/1408/SB/0002	PE200100 DEEPWATER - RECONNECT 138KV SWITCHYARD & INSTALL 800HVA AUTO TRF	N/A	N/A		79			
28		HLP/00/1408/SB/0001	PE200101 DEEPWATER - UPGRADE 138KV YARD FAULT DUTY TO 80KA (AP)	N/A	N/A		79			
29		HLP/00/1408/SB/0002	PE200133 LYDELL - INSTALL 2ND FIBER OPTIC CABLE ON CKT #70 TO DEEPWATER	N/A	N/A		79			
30		HLP/00/1416/SB/0003	PE210029 JORDAN - INSTALL 3RD 800MVA AUTO TRF / PE210033 JORDAN - LOOP 345KV CKT #97 TO CHAMBERS/KING	N/A	N/A			80		
31		HLP/00/1416/SB/0001	PE210030 JORDAN - UPGRADE 138KV YARD TO 80KA	N/A	N/A			80		

	A	B	C	K	L	M	N	O	P	Q
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12		HLP/001416/SB/0002	PE210031 CHAMBERS - UPGRADE CARRIER ON CKT #97 TO JORDAN (WAS KING)	N/A	N/A			80		
13		HLP/001416/SB/0002	PE210032 KING - UPGRADE CARRIER ON CKT #97 TO JORDAN (WAS CHAMBERS)	N/A	N/A			80		
14		HLP/0010055/SB/0142	PE220008 PLACID - INSTALL SCADA SET AT NEW CUSTOMER SUB	N/A	N/A			80		
15		HLP/0010055/SB/0142	PE220009 RIGBY - INSTALL DUAL FIBER OPTIC CABLES ON CKT #66 TO PLACID	N/A	N/A			80		

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16		HLP/00/1425/SB/0001	PE220012 JORDAN - INSTALL NEW LINE POSITION FOR 138KV CKT TO WINFRE	N/A	N/A		81			
17		HLP/00/1425/SB/0001	PE220013 MONT BELVIEU - INSTALL LINE POSITION FOR NEW 138KV CKT TO LANGSTN	N/A	N/A		81			
18		HLP/00/1425/SB/0001	PE220014 DALTON - UPGRADE LINE RELAYING ON MONT BELVIEU CKT (WAS WINFRE)	N/A	N/A		81			
19		HLP/00/1425/SB/0001	PE220015 WINFRE - UPGRADE LINE RELAYING ON EAGLE CKT (WAS LANGSTON)	N/A	N/A		81			
20		HLP/00/1425/SB/0001	PE220016 WINFRE - UPGRADE LINE RELAYING ON JORDAN CKT (WAS DALTON)	N/A	N/A		81			
21		HLP/00/1425/SB/0001	PE220017 LANGSTN - UPGRADE LINE RELAYING ON CHEVRON CKT (WAS WINFRE)	N/A	N/A		81			
22		HLP/00/1425/SB/0001	PE220018 EAGLE - UPGRADE LINE RELAYING ON WINFRE CKT (WAS CHEVRON)	N/A	N/A		81			
23		HLP/00/1425/SB/0001	PE220019 CHEV - UPGRADE LINE RELAYING ON LANGSTON CKT (WAS EAGLE)	N/A	N/A		81			
24		HLP/00/1425/SB/0001	PE220020 CHEV - UPGRADE CBY CKT86 TO MIN 669MVA EMER RATING	N/A	N/A		81			
25		HLP/00/1425/SB/0001	PE220022 CEDAR BAYOU PLANT - UPGRADE CHEVRON CKT86 TO MIN 669MVA EMER RATING	N/A	N/A		81			
26		HLP/00/1425/SB/0001	PE220023 WARVUE - UPGRADE LINE RELAYING ON CKT TO MONT BELVIEU	N/A	N/A		81			
27		HLP/00/1412/SB/0003	PE200221 WALLIS - UPGRADE 138KV CKT65 LOOP BUS TO 4000A (AP)	N/A	N/A			82		
28		HLP/00/1412/SB/0001	PE200233 EAST BERNARD - UPGRADE 138KV CKT65 TO GEBHRT TO 4000A	N/A	N/A			82		
29		HLP/00/1399/SB	PE220054 SEALY - UPGRADE 138KV CKT65 LOOP BUS TO 4000A	N/A	N/A			82		
30		HLP/00/1399/SB	PE220055 PETERS - UPGRADE 138KV CKT65 TO GEBHRT TO 4000A	N/A	N/A			82		
31		HLP/00/1235/SB	PE200207 ANGLETON - UPGRADE CKT04 TO WEST COLUMBIA TO 368MVA (BP)	N/A	N/A		83			
32		HLP/00/1235/SB	PE200208 WEST COLUMBIA - UPGRADE CKT04 TO WEST COLUMBIA TO 368MVA (BP)	N/A	N/A		83			
33		HLP/00/0922/SB/0014	PE220097 ANGLETON - UPGRADE CKT D4 TO WEST COLUMBIA TO 4000A CONTINUOUS RATING	N/A	N/A		83			
34		HLP/00/1235/SB/0001	PE220098 WEST COLUMBIA - UPGRADE CKT 04 TO ANGLETON TO 4000A CONTINUOUS RATING	N/A	N/A		83			
35		HLP/00/0922/SB/0016	PE230005 HITCHCOCK - UPGRADE 138KV CKT 63 LOOP TO 4000A	N/A	N/A			84		
36		HLP/00/1413/SB	PE230008 Flewellen - UPGRADE 138KV PETERS CKT 25 TO 4000A CONTINUOUS RATING	N/A	N/A		85			

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57		HLP/DD/1413/SB/0001	PE230009 Peters - UPGRADE 138KV FLEWELLEN CKT26 TO 4000A CONTINUOUS RATING	N/A	N/A		85			
58		HLP/DD/0496/SB/0004	PE230024 THW - CKT29A1: UPGRADE THW EQ	N/A	N/A			86		
59		HLP/DD/0496/SB/0005	PE230025 LITTLE YORK - CKT29A1: UPGRADE LITTLE YORK EQ	N/A	N/A			86		
60		HLP/DD/0496/SB/0006	PE230026 WHITE OAK - CKT29A2: UPGRADE WHITE OAK EQ	N/A	N/A			86		
61		HLP/DD/0496/SB/0004	PE230027 BAMMEL - UPGRADE CARRIER ON THW CKT 81	N/A	N/A			86		
62		HLP/DD/1128/SB	PE220230 GYPSUM - EXTEND 138KV TRANSMISSION SERVICE TO NEW CUSTOMER-OWNED SPER STONE	N/A	N/A		87			
63		HLP/DD/1128/SB/0004	PE220311 CLINTON - 138KV BREAKER STATION	N/A	N/A		87			
64		HLP/DD/1128/SB/0001	PE220312 GALENA PARK - MOVE DISTRIBUTION LOAD TO 138KV & REMOVE 69/138KV SWITCHYAR FACILITIES	N/A	N/A		87			
65		HLP/DD/1128/SB/0002	PE220313 GREENS BAYOU - RECONFIGURE 69KV SWITCHYARD & UPGRADE CARRIER ON 69KV CLINTON CKT	N/A	N/A		87			
66		HLP/DD/1128/SB	PE220314 NINTH - UPGRADE RELAYING ON 138KV CLINTON CKT	N/A	N/A		87			
67		HLP/DD/1128/SB	PE220315 ANBUSH - UPGRADING RELAYING ON 138KV CLINTON CKT	N/A	N/A		87			
68		HLP/DD/1306/SB	PE220048 STONE LAKE - BUILD NEW 138/35KV SUBSTATION & (2) 14.4 MVAR CAP BANKS	N/A	N/A			88		
69		HLP/DD/1306/SB	PE220049 HOCKLEY - UPGRADE CKT 66 TO TOMBALL	N/A	N/A			88		
70		HLP/DD/1491/SB	PE220078 BUILD NEW 345KV SWITCHYARD TO CONNECT NEW GENERATOR	N/A	N/A		89			
71		HLP/DD/1492/SB	PE220025 WOLF BUILD NEW 345KV BKR & 1/2 SWITCHYARD	N/A	N/A			90		
72		HLP/DD/1492/SB	PE220026 HILLJE INSTALL POTT SCHEME ON 345KV CKT #64 TO WOLF	N/A	N/A			90		
73		HLP/DD/1492/SB	PE220027 WAP INSTALL POTT SCHEME ON 345KV CKT #64 TO WOLF	N/A	N/A			90		
74		HLP/DD/1493/SB	PE220028 BLUE - BUILD NEW 345KV BKR & 1/2 SWITCHYARD	N/A	N/A		91			
75		HLP/DD/1493/SB	PE220029 BAILEY - INSTALL POTT SCHEME ON 345KV CKT #72 TO BLUE	N/A	N/A		91			

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16		HLP/00/1493/SB	PE220030 HILLJE - INSTALL POTT SCHEME ON 345KV CKT #72 TO BLUE	N/A	N/A		91			

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93		HLP/DD/1516/SB	PE220103 ANGLETON-INSTALL LINE POSITION FOR NEW GENERATOR (MARK ONE)	N/A	N/A		95			
94		HLP/DD/1516/SB	PE220104 ANGLETON-UPGRADE 138 KV CKT 26 TO KARSTEN TO MIN 384 MVA EMERGENCY	N/A	N/A		95			
95		HLP/DD/1516/SB	PE220105 MONSAN-UPGRADE 138 KV CKT 04 TO PETSON TO MIN 290 MVA EMERGENCY RATING	N/A	N/A		95			
96		HLP/DD/1516/SB	PE220106 HOC-UPGRADE 138 KV SOUTHWESTERN BUS TO MIN 775 MVA CONTINUOUS	N/A	N/A		95			
97		HLP/DD/1268/SB	PE190053 GARTH - BUILD NEW 138/12KV SUBSTATION (AP)Π	N/A	N/A			96		
98		HLP/DD/1268/SB	PE190058 HANEY - MODIFY 138KV SECTIONALIZING SCHEME (AP)	N/A	N/A			96		
99		HLP/DD/1268/SB	PE190287 BAYTOWN - INSTALL DER TRANSFER TRIP	N/A	N/A			96		
100		HLP/DD/1250/SB	PE190052 LAKE HOUSTON BUILD NEW 138/35KV SUBSTATION (AP)	N/A	N/A		97			
101		HLP/DD/1250/SB	PE190061 KINGWOOD - MODIFY 138KV SECTIONALIZING SCHEME (AP)	N/A	N/A		97			
102		HLP/DD/1308/SB	PE210065 WORTHAM BUILD NEW 138/35KV SUBSTATION	N/A	N/A			98		
103		HLP/DD/1389/SB	PE200037 BURKE - BUILD NEW 138KV SWITCHYARD _	N/A	N/A		99			
104		HLP/DD/1454/SB	PE210068 EAGLE NEST BUILD NEW 138KV SWITCHYARD TO CONNECT NEW GENERATORΠ	N/A	N/A			100		
105		HLP/DD/1454/SB	PE210071 BURKE INSTALL POTT RELAY SCHEME ON CKT 02 TO EAGLE NEST	N/A	N/A			100		
106		HLP/DD/1454/SB	PE210072 WEST COLUMBIA INSTALL POTT RELAY SCHEME ON CKT 02 TO EAGLE NEST	N/A	N/A			100		403
107		HLP/DD/1216/SB/0003	PE180147 MILLER Upgrade Relaying on CKT #88 to Baytown (BP)	N/A	N/A		101			404
108		HLP/DD/1216/SB/0003	PE180148 BAYTOWN Upgrade Relaying on CKT #87 to MILLER (BP)	N/A	N/A		101			404
109		HLP/DD/1262/SB	PE190034 REFUGE - BUILD NEW 345KV SWITCHYARD (AP)	N/A	N/A			102		406
110		HLP/DD/1338/SB	PE190152 GREENS BAYOU RECONFIGURE 138KV YARD (AP)	N/A	N/A		103			408
111		HLP/DD/1338/SB	PE190153 ANBUSH UPGRADE RELAYING ON 138KV CKT #08 TO GBY (AP)	N/A	N/A		103			408

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112		HLP/DD/1338/SB	PE190121 WHITE OAK REPLACE LINE PANEL ON 138KV CKT #03 TO GREENS BAYOU (AP)	N/A	N/A		103			406
113		HLP/DD/1338/SB	PE190224 HARDY UPGRADE CARRIER EQUIPMENT ON CKT #95 TO GREENS BAYOU (AP)	N/A	N/A		103	406		

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114		HLP/00/1345/SB	PE200040 LIMBURG Limburg Substation (SUB) Build new 138kV	N/A	N/A		107			
115		HLP/00/1345/SB	PE200041 SOUTHWYCK UPGRADE 138KV LINE SECTIONALIZING SCHEME	N/A	N/A		107			
116		HLP/00/1335/SB	PE190049 BLODGETT CONVERT TO 138KV OPERATION (AP)	N/A	N/A			108		
117		HLP/00/1450/SB	PE210046 HILLJE - Install 345 kV Line Position for New Generator (Danish Fields Solar)...	N/A	N/A		109			
118		HLP/00/1518/SB/0003	PE220101 HOC RELOCATE 138 KV CKT 05 TO WEBSTER	N/A	N/A			110		
119		HLP/00/1518/SB/0003	PE220102 WEBSTER UPGRADE LINE RELAYING ON CKT 05 TO HOC	N/A	N/A			110		
120		HLP/00/1424/SB/0001	PE210050 PEARLAND INSTALL 138 KV. 40 MVAR CAP BANK	N/A	N/A		111			
121		HLP/00/1424/SB/0001	PE220042 MYKAWA BUILD NEW 138KV BKR & 1/2 SWITCHYARD	N/A	N/A		111			
122		HLP/00/1424/SB/0001	PE220043 COUGAR UPGRADE CARRIER EQUIPMENT ON CKT TO MYKAWA	N/A	N/A		111			
123		HLP/00/1424/SB/0001	PE220045 PHR UPGRADE CARRIER EQUIPMENT ON CKT TO MYKAWA	N/A	N/A		111			
124		HLP/00/1424/SB/0001	PE220046 PLAZA UPGRADE CARRIER EQUIPMENT ON CKT TO MYKAWA	N/A	N/A		111			
125		HLP/00/0017/SB	PE220318 MYKAWA BUILD NEW DUAL VOLTAGE DISTRIBUTION SUB 38kV & 12kV	N/A	N/A		111			
126		HLP/00/1426/SB/0001	PE200289 HOC INSTALL LINE POS.FOR NEW GENERATOR (PES1) & UPG.CKT 90 TO GARROTT	N/A	N/A			112		

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127		HLP/DD/1414/SB/0002	PE200209 STRANG UPGRADE RELAYING AND CARRIER ON CKT87 TO CEDAR BAYOU	N/A	N/A		113			
128		HLP/DD/1414/SB/0002	PE200210 CEDAR BAYOU PLANT UPGRADE RELAYING AND CARRIER ON CKT87 TO STRANG	N/A	N/A		113			
129		HLP/DD/1414/SB/0005	PE200211 QUANUM UPGRADE RELAYING AND CARRIER ON CKT85 TO CEDAR BAYOU	N/A	N/A		113			
130		HLP/DD/1414/SB/0005	PE200212 CEDAR BAYOU PLANT UPGRADE RELAYING AND CARRIER ON CKT85 TO QUANUM	N/A	N/A		113			
131		HLP/DD/1414/SB/0001	PE200213 BAYOU UPGRADE RELAYING AND CARRIER ON CKT79 TO MORGANS POINT	N/A	N/A		113			
132		HLP/DD/1414/SB/0008	PE200214 MORGANS POINT UPGRADE RELAYING AND CARRIER ON CKT79 TO BAYOU. PRE-INSTALL DUAL FIBER CABLES	N/A	N/A		113			
133		HLP/DD/1414/SB/0010	PE200215 CHORIN INSTALL DUAL FIBER ON CKT87 TO SRB	N/A	N/A		113			
134		HLP/DD/1414/SB/0004	PE200216 SRB UPGRADE WAVE TRAP ON CKT87 TO CHORIN	N/A	N/A		113			
135		HLP/DD/1414/SB/0007	PE200217 CEDAR BAYOU PLANT UPGRADE RELAYING AND CARRIER ON CKT84 TO HOPSON	N/A	N/A		113			
136		HLP/DD/1414/SB/0007	PE200218 HOPSON UPGRADE RELAYING AND CARRIER ON CKT84 TO CEDAR BAYOU	N/A	N/A		113			
137		HLP/DD/1414/SB/0009	PE200219 DECKER UPGRADE CKT83 TO CEDAR BAYOU TO 498MVA	N/A	N/A		113			
138		HLP/DD/0130/SB/0025	PE190047 HOC - Install 138kV Series Reactor (BP)	N/A	N/A			114		
139		HLP/DD/0130/SB/0037 or HLP/DD/0130/SB/0036	PE190048 WAP - Install 138kV Series Reactors (BP)	N/A	N/A			114		
140		HLP/DD/0130/SB/0037	PE190074 BRITMOORE - UPGRADE CARRIER EQUIPMENT ON 138KV CKT #09 TO WAP (BP)	N/A	N/A			114		
141		HLP/DD/0130/SB/0037	PE190075 FORT BEND - REMOVE CARRIER EQUIPMENT ON 138KV CKT #09 TO WAP (BP)	N/A	N/A			114		
142		HLP/DD/1571/SB	PE220236 WATERHOLE BUILD NEW CNP 345KV BKR-3-1/2 INTERCONNECTION SWITCHYARD	N/A	N/A		115			
143		HLP/DD/1571/SB	PE220237 BAILEY UPGRADE LINE RELAYING ON CKT62 TO WATERHOLE	N/A	N/A		115			
144		HLP/DD/1571/SB	PE220238 JONES CREEK UPGRADE LINE RELAYING ON CKT62 TO WATERHOLE	N/A	N/A		115			
145		HLP/DD/1577/SB	PE220319 GULFTIE BUILD NEW CNP 138KV BKR-3-1/2 INTERCONNECTION SWITCHYARD	N/A	N/A			116		

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146		HLP/DD/157D/SB	PE220223 MONSANTO UPGRADE HUDSON CKT04 TO MINIMUM 507/507MVA	N/A	N/A		117			
147		HLP/DD/157D/SB	PE220224 MUSTANG BAYOU UPGRADE 138KV LOOP BUS TO MINIMUM 568/568MVA	N/A	N/A		117			
148		HLP/DD/157D/SB	PE220226 LIVERPOOL UPGRADE 138KV LOOP BUS TO MINIMUM 517/517MVA	N/A	N/A		117			
149		HLP/DD/1567/SB	PE220218 ARCHER BUILD NEW CNP 138KV BKR-8-1/2 INTERCONNECTION SWITCHYARD	N/A	N/A			118		
150		HLP/DD/1567/SB	PE220219 KARSTEN UPGRADE LINE RELAYING ON CKT26 TO ARCHER	N/A	N/A			118		
151		HLP/DD/1567/SB	PE220220 ANGLETON UPGRADE LINE RELAYING ON CKT26 TO ARCHER MIN 384/384MVA	N/A	N/A			118		
152		HLP/DD/1512/SB	PE220057 WEST COLUMBIA - UPGRADE 138KV YARD FAULT DUTY TO 63KA	N/A	N/A		119			
153		HLP/DD/1500/SB	PE220053 SMITHERS - BUILD 345KV LINE POSITION FOR NEW GENERATOR	N/A	N/A			120		
154		HLP/DD/148S/SB	PE210082 WEST COLUMBIA Expand 138 kV Ring Bus to Connect New Generator	N/A	N/A		121			
155		HLP/DD/1419/SB/0001	PE210034 SRB REMOVE 69KV FACILITIES & ADD 138KV BUS TIE BKR	N/A	N/A			122		
156		HLP/DD/1419/SB/0003	PE210035 SRB INSTALL 100MVAR CAP BANK	N/A	N/A			122		
157		HLP/DD/1419/SB/0003	PE210036 HOC REMOVE & RELOCATE 138KV 100MVAR CAP BANK	N/A	N/A			122		
158		HLP/DD/1419/SB/0002	PE210037 SOUTH CHANNEL RECONFIGURE 69KV SRB CKT-23 AS DEEPWATER CKT-23	N/A	N/A			122		
159		HLP/DD/1419/SB/0002	PE210038 DEEPWATER RECONFIGURE 69KV SRB CKT AS SOUTH CHANNEL CKT	N/A	N/A			122		

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160		HLP/00/1233/SB/0001	PE210077 WHITE OAK INSTALL 2ND 138KV KV AUTO	N/A	N/A		123			
161		HLP/00/1233/SB/0002	PE210078 WHITE OAK UPGRADE 69 KV CKT 34 TO HEIGHTS TO MIN 192/192 MVA	N/A	N/A		123			
162		HLP/00/1233/SB/0002	PE210079 HEIGHTS UPGRADE 69 KV CKT 34 TO WHITE OAK TO MIN 192/192 MVA	N/A	N/A		123			
163		HLP/00/1233/SB/0001	PE210080 SAN FELIPE UPGRADE CARRIER EQUIP ON 138 KV CKT 09 TO WHITE OAK	N/A	N/A		123			
164		HLP/00/1325/SB	PE210256 DEHL - INSTALL 11TH & 12TH 12KV FEEDERS	N/A	N/A		123			
165		HLP/00/1480/SB	PE220089 AIRLINE - INSTALL 12TH 12KV FEEDER	N/A	N/A		123			
166		HLP/00/1184/SB	PE220085 CROCKETT - INSTALL 3RD TRANSFORMER & 3-12 KV FEEDERS	N/A	N/A		123			
167		HLP/00/1337/SB	PE210020 Jones Creek - Install new 138kv positions	N/A	N/A			124		
168		HLP/00/1337/SB	PE210021 Velasco - Reconfigure for new Jones Creek ckt	N/A	N/A			124		
169		HLP/00/0130/SB/0044	PE200088 JONES CREEK - RECONFIGURE 138KV SWITCHYARD	N/A	N/A			124		
170		HLP/00/1278/SB	PE180217 NASH - CONVERT TO 138KV OPERATION (AP)	N/A	N/A		125			
171		HLP/00/1248/SB	PE170068 HOFMAN - REPLACE LINE PANEL ON CKT #02 TO BASF & REPL RTU (AP)	N/A	N/A			126		
172		HLP/00/1248/SB	PE170067 BASF - REPLACE LINE PANEL & JUMPERS ON CKT #02 TO HOFMAN & REPL RT (AP)	N/A	N/A			126		
173		HLP/00/1248/SB	PE180214 LAKE HOUSTON - UPGRADE CKT #02 LOOP BUS	N/A	N/A			126		
174		HLP/00/1480/SB/0001	PE210086 Hillje - BUILD NEW 345KV LINE POSITION FOR NEW GENERATOR	N/A	N/A		127			
175		HLP/00/1445/SB	PE210039 Angleton - Install Line Position for New Generator (MYRTLE)	N/A	N/A			128		
176		HLP/00/1453/SB	PE210067 Cedar Creek - BUILD NEW 345KV SWITCHYARD TO CONNECT NEW GENERATOR	N/A	N/A		129			
177		HLP/00/1453/SB	PE210069 Bailey - INSTALL POTT RELAY SCHEME ON CKT 72 TO CEDAR CREEK	N/A	N/A		129			
178		HLP/00/1453/SB	PE210070 WAP - INSTALL POTT RELAY SCHEME ON CKT 72 TO CEDAR CREEK	N/A	N/A		129			

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179		HLP/00/0996/SB	PE210232 ALTA LOWA - INSTALL 8TH 12KV FEEDER	N/A	N/A			130		
180		HLP/00/0996/SB	PE210233 MUSTANG BAYOU - INSTALL 3RD & 4TH 12KV FEEDERS	N/A	N/A			130		
181		HLP/00/0996/SB	PE210234 WEBSTER - UPGRADE MANVEL 69KV LINE RELAYING FOR ALVIN BYPASS	N/A	N/A			130		
182		HLP/00/0996/SB	PE230002 ALVIN - CONVERT TO 138KV OPERATION & INSTALL 2ND TRF	N/A	N/A			130		
183		HLP/00/0996/SB	PE230003 MANVEL - CONVERT TO 138KV OPERATION	N/A	N/A			130		
184		HLP/00/0996/SB	PE230018 HOC - DISCONNECT 69KV CKT 53 TO KARSTEN	N/A	N/A			130		
185		HLP/00/0996/SB	PE230019 WEBSTER - REMOVE 69KV FACILITIES (INCLUDING AUTO)	N/A	N/A			130		
186		HLP/00/0996/SB	PE230021 KARSTEN - REMOVE 69KV FACILITIES & REVISE LINE RELAYING ON 138KV CKT6 TO ANGLETON	N/A	N/A			130		
187		HLP/00/1162/SB	PE210063 WALLER INSTALL 2ND TRF AND 35KV FEEDER	N/A	N/A		131			
188		HLP/00/1228/SB	PE190051 READING - Install (2) 100 MVA TRF's & (3) 35kv Feeders (BP)	N/A	N/A			132		
189		HLP/00/1112/SB	PE150234 HOC - CONVERT TRFS #1, #2, & #3 TO 138KV OPERATION	N/A	N/A		133			
190		HLP/00/0936/SB	PE180144 HOC - REPLACE CONVENTIONAL SUB WITH BKR & HALF	N/A	N/A		133			
191		HLP/00/1152/SB	PE160410 RED BLUFF BUILD NEW 138/12KV SUBSTATION	N/A	N/A			134		
192		HLP/00/1117/SB	PE180135 DUNLAVY - UPGRADE 69KV CKT #31 TO HEIGHTS (BP)	N/A	N/A		135			
193		HLP/00/1117/SB	PE180136 HEIGHTS - UPGRADE 69KV CKT #31 TO DUNLAVY	N/A	N/A		135			
194		HLP/00/1525/SB	PE220211 HEIGHTS - UPGRADE DUNLAVY CKT31	N/A	N/A		135			
195		HLP/00/1190/SB	PE180044 CEDAR BAYOU PLANT UPGRADE 138KV CKT #87 TO STRANG	N/A	N/A			136		

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196		HLP/00/1190/SB	PE180036 CHORIN UPGRADE 138KV CKT #87 TO SRB, INCREASE AMPACITY (REPLACE AITEK WITH RUSSEL SUB)	N/A	N/A			136		
197		HLP/00/1190/SB	PE180034 SRB UPGRADE 138KV CKT #87 TO CHORIN, INCREASE AMPACITY	N/A	N/A			136		
198		HLP/00/1190/SB	PE180043 CHORIN UPGRADE 138KV CKT #87 TO STRANG, INCREASE AMPACITY (BP)	N/A	N/A			136		
199		HLP/00/1190/SB	PE170088 STRANG UPGRADE AMPACITY OF CUSTOMER SUBSTATION	N/A	N/A			136		

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200		HLP/DD/1288/SB	PE210060 MISSOURI CITY INSTALL 3RD TRF AND (2) 12KV FEEDERS	N/A	N/A		137			
201		HLP/DD/1444/SB	PE210028 WEST GALVESTON - ADD 3RD 12KV, 50MVA TRANSFORMER	N/A	N/A			138		
202		HLP/DD/1444/SB	PE200260 SPARES-PURCH 30/40/50 MVA POWER TRF	N/A	N/A			138		
203		HLP/DD/1344/SB	PE190002 JONES CREEK BUILD NEW 138/12KV SUBSTATION (AP)	N/A	N/A		139			
204		HLP/DD/1482/SB/0001	PE220037 SAN BERNARD BUILD NEW 138KV BKR & 1/2 SWITCHYARD	N/A	N/A			140		
205		HLP/DD/1482/SB/0001	PE220038 SOUTH LANE CITY INSTALL POTT SCHEME ON 138KV CKT TO SAN BERNARD	N/A	N/A			140		
206		HLP/DD/1482/SB/0001	PE220041 WEST COLUMBIA UPGRADE RELAY SCHEME ON CKT 04 TO SAN BERNARD	N/A	N/A			140		
207		HLP/DD/1482/SB/0001	PE220058 WEST COLUMBIA UPGRADE 138KV CKT04 TO SAN BERNARD TO MIN 81D/840 MVA RATING	N/A	N/A			140		
208		HLP/DD/1483/SB/0001	PE220065 JONTE - BUILD NEW 138KV BKR & 1/2 SWITCHYARD	N/A	N/A		141			
209		HLP/DD/1483/SB/0001	PE220066 NORTH BELT - UPGRADE LINE RELAYING ON CKT TO JONTE	N/A	N/A		141			
210		HLP/DD/1483/SB/0001	PE220067 HARDY - UPGRAD CARRIER ON CKT TO JONTE	N/A	N/A		141			
211		HLP/DD/1483/SB/0001	PE220068 CROSBY - UPGRAD CARRIER ON CKT TO JONTE	N/A	N/A		141			
212		HLP/DD/1468/SB/0001	PE200387 PHR - UPGRADE RELAYING ON CKT 02 & CKT 03 TO ATTWATER (TNMP) (PHASE 1)	N/A	N/A			142		
213		HLP/DD/1468/SB/0001	PE210175 PHR - UPGRADE 138KV CKT 02 TO TOPAZ (TNMP)	N/A	N/A			142		
214		HLP/DD/1468/SB/0002	PE210176 PHR - UPGRADE 138KV CKT 03 TO TOPAZ (TNMP)	N/A	N/A			142		
215		HLP/DD/1468/SB/0001	PE210179 PHR - UPGRADE RELAYING ON CKT 02 & CKT 03 TO ATTWATER (TNMP) (PHASE 2)	N/A	N/A			142		

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216		HLP/001472/SB/0001	PE230028 ZENITH - EXPAND 138KV YARD TO INSTALL RADIAL CKT	N/A	N/A			143		
217		HLP/001472/SB/0002	PE230029 VILLAGE CREEK - CONVERT FROM LOOP TO DOUBLE TAP CONFIGURATION	N/A	N/A			143		
218		HLP/001395/SB	PE200042 BEASLY - BUILD NEW 138KV SWITCHYARD	N/A	N/A				144	
219		HLP/001395/SB	PE200043 EAST BERNARD - UPGRADE CARRIER ON CKT #80	N/A	N/A				144	
220		HLP/001395/SB	PE200044 SEALY - UPGRADE 138KV LOOP BUS TO 2500MVA	N/A	N/A				144	

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221		HLP/00/0055/SB/0143	PE200258 ENCO - Install SCADA set at New Customer Sub	N/A	N/A		145			
222		HLP/00/0095/SB/0115	PE200257 EL DORADO - INSTALL 12KV 7.2 MVAR CAP BANK	N/A	N/A		145			
223		HLP/00/0095/SB/0114	PE200258 SPENCER - Install 12kv 7.2MVAR Cap Bank	N/A	N/A		145			
224		HLP/00/0095/SB/0115	PE200291 HARRISBURG - REMOVE AND RELOCATE 12KV 10.8MVAR CAPACITOR BANK (CB2)	N/A	N/A		145			
225		HLP/00/0798/SB	PE180017 SURFSI - REPLACE LINE PANEL ON CKT #59 TO JONES CREEK (TRANSFER TRIP)	N/A	N/A			146		
226		HLP/00/0798/SB	PE190010 CELNEC - REPLACE LINE PANEL ON CKT #35 TO LOMAX	N/A	N/A			146		
227		HLP/00/0798/SB	PE190009 JONES CREEK - INSTALL FIBER ON CKT #48 TO CORTEZ	N/A	N/A			146		
228		HLP/00/0798/SB	PE190011 LOMAX - REPLACE LINE PANEL ON CKT #35 TO CELNEC- REPLACE METERING P'S CKT #35	N/A	N/A			146		
229		HLP/00/0798/SB	PE190221 MARINE - ADD DUAL PILOT TO CORTEZ	N/A	N/A			146		
230		HLP/00/0798/SB	PE190007 SURFSI - REPLACE LINE PANEL ON CKT #59 TO VELASCO	N/A	N/A			146		
231		HLP/00/0798/SB	PE190008 VELASCO - ADD FIBER (DUAL PILOT) TO CKT #48 TO MARINE	N/A	N/A			146		
232		HLP/00/0055/SB/0140	PE200047 SOUTH CHANNEL - UPGRADE LINE RELAYING	N/A	N/A		147			
233		HLP/00/0055/SB/0140	PE200048 PAIR - UPGRADE LINE RELAYING / INSTALL FIBER	N/A	N/A		147			
234		HLP/00/0055/SB/0140	PE200049 AIRPRO - UPGRADE LINE RELAYING	N/A	N/A		147			
235		HLP/00/1286/SB	PE210055 BRITHMOORE - INSTALL 3RD TRF AND (2) 12KV FEEDERS	N/A	N/A			148		
236		HLP/00/1127/SB	PE190232 ZENITH - Area Auto TRF INCR. FAULT DUTY	N/A	N/A		149			
237		HLP/00/1127/SB	PE180013 ZENITH - Install 3rd 345/138/23kV Auto TRF & Increase Fault Duty	N/A	N/A		149			

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238		HLP/DD/1256/SB	PE190063 PARKWAY - INSTALL 7TH & 8TH 12KV FEEDERS (BP)	N/A	N/A			150		
239		HLP/DD/0596/SB	PE200086 WHARTON - INSTALL 7TH 12KV FEEDER (BP)	N/A	N/A			151		
240		HLP/DD/1041/SB	PE200097 HOLMES - INSTALL 11TH & 12TH 12KV FEEDERS (AP)	N/A	N/A			152		
241		HLP/DD/1060/SB	PE200090 TRINITY BAY - INSTALL 5TH 35KV FEEDER (BP)	N/A	N/A			153		
242		HLP/DD/1253/SB	PE190050 BLODGETT - INSTALL 3RD TRF & (3) 12KV FEEDERS (AP)	N/A	N/A			154		
243		HLP/DD/1289/SB	PE200074 PLAZA - INSTALL 3RD TRF AND (2) 35KV FEEDERS. EXTEND 138KV RING (AP)	N/A	N/A			155		
244		HLP/DD/1357/SB	PE200076 NEEDVILLE - INSTALL 5TH & 6TH 12KV FEEDERS (BP)	N/A	N/A			156		
245		HLP/DD/1402/SB	PE200089 JORDAN - INSTALL 5TH & 6TH 35KV FEEDERS (BP)	N/A	N/A			157		
246		HLP/DD/1437/SB	PE200103 HILLJE - CONVERT 345KV SWITCHYARD TO BKR AND A HALF (BP)	N/A	N/A			158		
247		HLP/DD/1437/SB	PE200109 STP - UPGRADE CARRIER ON HILLJE CIRCUITS	N/A	N/A			158		
248		HLP/DD/1437/SB	PE200110 WAP - UPGRADE CARRIER ON HILLJE CIRCUITS	N/A	N/A			158		
249		HLP/DD/1166/SB	PE210057 GERTIE - ADD 10TH FEEDER	N/A	N/A			159		

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250		HLP/00/1312/SB	PE210062 SCENIC WOODS - INSTALL 35KV FACILITIES	N/A	N/A			160		
251		HLP/00/1346/SB	PE210051 RED BLUFF - INSTALL 3RD TRF AND (2) 12KV FEEDERS	N/A	N/A		161			
252		HLP/00/1407/SB	PE210058 CLODINE - INSTALL 4TH TRF AND (2) 12KV FEEDERS	N/A	N/A			162		
253		HLP/00/1398/SB	PE200099 WHITE OAK - Install 15th 12kV Feeder (AF)	N/A	N/A			163		
254		HLP/00/1451/SB	PE210053 CLEAR LAKE - Instl 3rd TRF & 2 12KV Fdr	N/A	N/A			164		
255		HLP/00/1284/SB	PE200073 ALMEDA - Install 3rd trf & 3-12kv fdrs	N/A	N/A			165		
256		HLP/00/1252/SB	PE190046 Northside - INSTL 3rd TRF & 2-12KV FDRS	N/A	N/A			166		
257		HLP/00/1248/SB	PE190048 SPRINGWOOD - Instl 2 TRF's & 6 Fdrs IFDN	N/A	N/A			167		
258		HLP/00/1123/SB	PE150235 UNIVERSITY - Convert Dist 69KV to 138KV	N/A	N/A			168		
259		HLP/00/0095/SB/0087	PE190003 JONES CREEK - Install 3rd 138kV 120mvar Cap Bank	N/A	N/A			169		
260		HLP/00/0095/SB/0087	PE180010 JONES CREEK - Install 2nd 138kV 180mvar Cap Bank	N/A	N/A			169		
261		HLP/00/0095/SB/0087	PE180032 VELASCO - Install 2nd 138kV 120MVAR CB	N/A	N/A			169		

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11	Projects Submitted to ERCOT RPG	WBS#	(a) Project Name (with CCN Docket No., if Any)	(g) Percent difference between (c) and (e) [% diff btwn Initial & final estimate]	(h) Percent difference between Column G and (e) [% diff btwn actual and final estimate]	Variance Explanation	PUC RFI 7			
262		HLP/00/0095/SB/0104	PE190004 VELASCO - Install 3rd 138kV Cap Bank	N/A	N/A		169			
263		HLP/00/0095/SB/0109	PE190044 WEST GALVESTON - Inst. 1 12kV 5MVAR Reactor	N/A	N/A			170		
264		HLP/00/0095/SB/0110	PE190055 STEWART - Replace 10mvar reactor with 5mvar reactor	N/A	N/A			170		
265		HLP/00/0095/SB/0111	PE190135 HARRISBURG - Remove&Relocate 12kV CapBank	N/A	N/A		171			
266		HLP/00/0095/SB/0111	PE190136 HEIGHTS - Install 12kV Cap Bank at TRF #1	N/A	N/A		171			
267		HLP/00/0095/SB/0112	PE200194 VILLAGE CREEK - Install(2) 14.4 kVAR Cap	N/A	N/A			172		
268		HLP/00/0130/SB/0039	PE210019 CEDAR BAYOU PLANT - Install 138kV Series Reactor	N/A	N/A		173			
269		HLP/00/0095/SB/0117	PE220328 JONTE - INSTALL 138KV 20MVAR CAP BANK	N/A	N/A			174		
270		HLP/00/1179/SB	PE220327 TANNER - INSTALL 3RD 100MVA TRANSFORMER & 2-35KV FEEDERS PLUS 4 CKTS	N/A	N/A		175			
271		HLP/00/1318/SB	PE230044 FAIRBANKS - INSTALL 10TH 35KV FEEDER	N/A	N/A			176		
272		HLP/00/1506/SB	PE220087 ANGLETON - UPGRADE TRANSFORMERS & CONVERT TO LOW PROFILE	N/A	N/A		177			
273		HLP/00/1507/SB	PE220093 THW - INSTALL 10TH 35KV FEEDER	N/A	N/A			178		
274		HLP/00/1578/SB	PE230043 SPRINGWOOD - INSTALL 138KV BKR STATION	N/A	N/A		179			
275		HLP/00/1578/SB	PE230046 ROTHWOOD - UPGRADE LINE RELAYING ON SPRINGWOOD CKTS	N/A	N/A		179			
276		HLP/00/1417/SB	PE220095 TWINWOOD - BUILD NEW 35KV SUBSTATION	N/A	N/A			180		

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	Projects Submitted to ERCOT RPG	WBS#	(a) Project Name (with CCN Docket No., if Any)	(g) Percent difference between (c) and (e) [% diff btwn Initial & final estimate]	Percent difference between Column G and (e) [% diff btwn actual and final estimate]	Variance Explanation	PUC RFI 7			
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277		HLP/00/1417/SB	PE230341 TWINWOOD - INSTALL 138/39KV MOBILE SUBSTATION	N/A	N/A			180		
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11	Projects Submitted to ERCOT RPG	WBS#	(a) Project Name (with CCN Docket No., if Any)		b. The need for these projects.	c. How these projects were selected among possible alternatives.	d. The initial budget for these projects.
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13		HLP/00/1115/SB/0002	PE190001 Install 3rd 800MVA Auto Transformer (BP)		This project was part of the Freeport Area Master Plan. Please see project need and description in Schedule M-1 and M-2.	Project was submitted for ERCOT Regional Planning Group (RPG) review and approval. Refer to the attached RPG submittal for alternatives.	\$31,606,315
14		HLP/00/1115/SB/0005	PE190012 Loop 345kV STP/DOW CKT #27 Into Jones Creek (BP)				
15		HLP/00/1115/SB/0003	PE190013 4th 138kV, 120MVAR Cap Bank and (2) Automatic Cap Banks				
16		HLP/00/1114/SB/0001	PE180030 SOUTHWYCK - RECONFIGURE & UPGRADE 138KV CKT #05 LOOP BUS (BP)		This project was part of the Southwyck - Algoa Corner Rebuild Project. Please see project need and description in Schedule M-1 and M-2.	Project was submitted for ERCOT Regional Planning Group (RPG) review and approval. Refer to the attached RPG submittal for alternatives.	\$967,608
17		HLP/00/1114/SB/0001	PE180151 HOC - Upgrade Line Relaying & Carrier on 138KV CKT #26 to Karsten				
18		HLP/00/1114/SB/0001	PE180152 KARSTEN - Upgr Line Relaying & Carrier on 138KV CKT #26 to HOC & Repl RTU				
19		HLP/00/0997/SB/0004	PE190058 BIG CREEK - BUILD NEW 138/12KV SUBSTATION (BP)		These projects were part of the Ft Bend - West Columbia Conversion Project. Please see project need and description in Schedule M-1 and M-2.	Project was submitted for ERCOT Regional Planning Group (RPG) review and approval. Refer to the attached RPG submittal for alternatives.	\$33,124,680
20		HLP/00/0997/SB/0007	PE190042 DAMON - CONVERT TO 138KV OPERATION (BP)				
21		HLP/00/1349/SB	PE190043 West Columbia - Convert to 138kV Operation				
22		HLP/00/0997/SB/0003	PE200020 NEEDVILLE - BUILD NEW 138/12KV SUBSTATION				
23		HLP/00/0997/SB/0005	PE200021 FORT BEND - CONVERT CKT #45 TO 138KV OPERATION				
24		HLP/00/0997/SB/0009	PE200022 WEST COLUMBIA - CONVERT CKT #45 TO 138KV OPERATION				
25		HLP/00/0997/SB/0001	PE200023 WAP - REPLACE CARRIER EQUIPMENT CKT #02 TO W. COL				
26		HLP/00/0997/SB/0006	PE200024 TEXWES - DISCONNECT CUSTOMER SUB & CONV TO DISTRIBUTION SERVICE		These projects were part of the Deepwater Auto Project. Please see project need and description in Schedule M-1 and M-2.	Project was submitted for ERCOT Regional Planning Group (RPG) review and approval. Refer to the attached RPG submittal for alternatives.	\$11,334,965
27		HLP/00/1408/SB/0002	PE200100 DEEPWATER - RECONNECT 138KV SWITCHYARD & INSTALL 800HVA AUTO TRF				
28		HLP/00/1408/SB/0001	PE200101 DEEPWATER - UPGRADE 138KV YARD FAULT DUTY TO 80KA (AP)				
29		HLP/00/1408/SB/0002	PE200133 LYDELL - INSTALL 2ND FIBER OPTIC CABLE ON CKT #70 TO DEEPWATER				
30		HLP/00/1416/SB/0003	PE210029 JORDAN - INSTALL 3RD 800MVA AUTO TRF / PE210033 JORDAN - LOOP 345KV CKT #97 TO CHAMBERS/KING				
31		HLP/00/1416/SB/0001	PE210030 JORDAN - UPGRADE 138KV YARD TO 80KA				

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11	Projects Submitted to ERCOT RPG	WBS#	(a) Project Name (with CCN Docket No., if Any)	b. The need for these projects.	c. How these projects were selected among possible alternatives.	d. The initial budget for these projects.	
12		HLP/001416/SB/0002	PE210031 CHAMBERS - UPGRADE CARRIER ON CKT #97 TO JORDAN (WAS KING)	These projects were part of the Jordan Load Addition Project. Please see project need and description in Schedule M-1 and M-2.	Project was submitted for ERCOT Regional Planning Group (RPG) review and approval. Refer to the attached RPG submittal for alternatives.	\$19,266,464	
13		HLP/001416/SB/0002	PE210032 KING - UPGRADE CARRIER ON CKT #97 TO JORDAN (WAS CHAMBERS)				
14		HLP/0010055/SB/0142	PE220008 PLACID - INSTALL SCADA SET AT NEW CUSTOMER SUB				
15		HLP/0010055/SB/0142	PE220009 RIGBY - INSTALL DUAL FIBER OPTIC CABLES ON CKT #66 TO PLACID				

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11	Projects Submitted to ERCOT RPG	WBS#	(a) Project Name (with CCN Docket No., if Any)	b. The need for these projects.	c. How these projects were selected among possible alternatives.	d. The initial budget for these projects.	
16		HLP/00/1425/SB/0001	PE220012 JORDAN - INSTALL NEW LINE POSITION FOR 138KV CKT TO WINFRE	These projects were part of the Mt Belvieu Reliability Upgrades Project. Please see project need and description in Schedule M-1 and M-2.	Project was submitted for ERCOT Regional Planning Group (RPG) review and approval. Refer to the attached RPG submittal for alternatives.	\$5,892,494	
17		HLP/00/1425/SB/0001	PE220013 MONT BELVIEU - INSTALL LINE POSITION FOR NEW 138KV CKT TO LANGSTN				
18		HLP/00/1425/SB/0001	PE220014 DALTON - UPGRADE LINE RELAYING ON MONT BELVIEU CKT (WAS WINFRE)				
19		HLP/00/1425/SB/0001	PE220015 WINFRE - UPGRADE LINE RELAYING ON EAGLE CKT (WAS LANGSTON)				
20		HLP/00/1425/SB/0001	PE220016 WINFRE - UPGRADE LINE RELAYING ON JORDAN CKT (WAS DALTON)				
21		HLP/00/1425/SB/0001	PE220017 LANGSTN - UPGRADE LINE RELAYING ON CHEVRON CKT (WAS WINFRE)				
22		HLP/00/1425/SB/0001	PE220018 EAGLE - UPGRADE LINE RELAYING ON WINFRE CKT (WAS CHEVRON)				
23		HLP/00/1425/SB/0001	PE220019 CHEV - UPGRADE LINE RELAYING ON LANGSTON CKT (WAS EAGLE)				
24		HLP/00/1425/SB/0001	PE220020 CHEV - UPGRADE CBY CKT86 TO MIN 669MVA EMER RATING				
25		HLP/00/1425/SB/0001	PE220022 CEDAR BAYOU PLANT - UPGRADE CHEVRON CKT86 TO MIN 669MVA EMER RATING				
26		HLP/00/1425/SB/0001	PE220023 WARVUE - UPGRADE LINE RELAYING ON CKT TO MONT BELVIEU	These projects were part of the Wallis - Peters ckt 65 Rebuild Project. Please see project need and description in Schedule M-1 and M-2.	Project was submitted for ERCOT Regional Planning Group (RPG) review and approval. Refer to the attached RPG submittal for alternatives.	\$2,754,286	
27		HLP/00/1412/SB/0003	PE200221 WALLIS - UPGRADE 138KV CKT65 LOOP BUS TO 4000A (AP)				
28		HLP/00/1412/SB/0001	PE200233 EAST BERNARD - UPGRADE 138KV CKT65 TO GEBHRT TO 4000A				
29		HLP/00/1399/SB	PE220054 SEALY - UPGRADE 138KV CKT65 LOOP BUS TO 4000A	These projects were part of the Angleton - West Columbia ckt 04 RB/RC Project. Please see project need and description in Schedule M-1 and M-2.	Project was submitted for ERCOT Regional Planning Group (RPG) review and approval. Refer to the attached RPG submittal for alternatives.	\$2,277,183	
30		HLP/00/1399/SB	PE220055 PETERS - UPGRADE 138KV CKT65 TO GEBHRT TO 4000A				
31		HLP/00/1235/SB	PE200207 ANGLETON - UPGRADE CKT04 TO WEST COLUMBIA TO 368MVA (BP)				
32		HLP/00/1235/SB	PE200208 WEST COLUMBIA - UPGRADE CKT04 TO WEST COLUMBIA TO 368MVA (BP)				
33		HLP/00/0922/SB/0014	PE220097 ANGLETON - UPGRADE CKT 04 TO WEST COLUMBIA TO 4000A CONTINUOUS RATING				
34		HLP/00/1235/SB/0001	PE220098 WEST COLUMBIA - UPGRADE CKT 04 TO ANGLETON TO 4000A CONTINUOUS RATING	This project was part of the Alcoa Corner - LaVierque ckt 93 RB/RC Project. Please see project need and description in Schedule M-1 and M-2.	Project was submitted for ERCOT Regional Planning Group (RPG) review and approval. Refer to the attached RPG submittal for alternatives.	\$530,699	
35		HLP/00/0922/SB/0016	PE230005 HITCHCOCK - UPGRADE 138KV CKT 93 LOOP TO 4000A				
36		HLP/00/1413/SB	PE230008 Flewellen - UPGRADE 138KV/ PETERS CKT 25 TO 4000A CONTINUOUS RATING	These projects were part of the Flewellen - Peters ckt 25 RB/RC Project. Please see project need and description in Schedule M-1 and M-2.	Project was submitted for ERCOT Regional Planning Group (RPG) review and approval. Refer to the attached RPG submittal for alternatives.	\$4,667,673	

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57		HLP/DD/1413/SB/0001	PE230009 Peters - UPGRADE 138KV FLEWELLEN CKT26 TO 4000A CONTINUOUS RATING	These projects were part of the THW - WO ckt 29 Conversion Project. Please see project need and description in Schedule M-1 and M-2.	Project was submitted for ERCOT Regional Planning Group (RPG) review and approval. Refer to the attached RPG submittal for alternatives.	\$5,133,791	
58		HLP/DD/0496/SB/0004	PE230024 THW - CKT29A1: UPGRADE THW EQ				
59		HLP/DD/0496/SB/0005	PE230025 LITTLE YORK - CKT29A1: UPGRADE LITTLE YORK EQ				
60		HLP/DD/0496/SB/0006	PE230026 WHITE OAK - CKT29A2: UPGRADE WHITE OAK EQ				
61		HLP/DD/0496/SB/0004	PE230027 Bammel - UPGRADE CARRIER ON THW CKT 81				
62		HLP/DD/1128/SB	PE220230 GYPSUM - EXTEND 138KV TRANSMISSION SERVICE TO NEW CUSTOMER-OWNED SPER STONE				
63		HLP/DD/1128/SB/0004	PE220311 CLINTON - 138KV BREAKER STATION				
64		HLP/DD/1128/SB/0001	PE220312 GALENA PARK - MOVE DISTRIBUTION LOAD TO 138KV & REMOVE 69/138KV SWITCHYAR FACILITIES	These projects were part of the Galena Park Area 138 kV Conversion Project. Please see project need and description in Schedule M-1 and M-2.	Project was submitted for ERCOT Regional Planning Group (RPG) review and approval. Refer to the attached RPG submittal for alternatives.	\$18,249,853	
65		HLP/DD/1128/SB/0002	PE220313 GREENS BAYOU - RECONFIGURE 69KV SWITCHYARD & UPGRADE CARRIER ON 69KV CLINTON CKT				
66		HLP/DD/1128/SB	PE220314 NINTH - UPGRADE RELAYING ON 138KV CLINTON CKT				
67		HLP/DD/1128/SB	PE220315 ANBUSH - UPGRADING RELAYING ON 138KV CLINTON CKT				
68		HLP/DD/1306/SB	PE220048 STONE LAKE - BUILD NEW 138/35KV SUBSTATION & (2) 14.4 MVAR CAP BANKS	These projects were part of the STONE LAKE - NEW 35KV SUBSTATION Project. Please see project need and description in Schedule M-1 and M-2.	Stone Lake substation was built to serve new load growth along the Grand Parkway in Northwest Harris County. The substation is located adjacent to the 138 kV Hockley to Tomball Ckt 66 which is a 15.79 mile 138 kV line between the communities of Hockley and Tomball. There are no other 138 kV lines close to the substation site, so Ckt 66 is the only option for connecting the new substation. Project was submitted for ERCOT Regional Planning Group (RPG) review and approval. Refer to RPG submittal for alternatives.	\$14,056,871	
69		HLP/DD/1306/SB	PE220049 HOCKLEY - UPGRADE CKT 66 TO TOMBALL				
70		HLP/DD/1491/SB	PE220078 BUILD NEW 345KV SWITCHYARD TO CONNECT NEW GENERATOR	This project was part of the CUTLASS SOLAR INTERCONNECTION Project. Please see project need and description in Schedule M-1 and M-2.	The most cost-effective solution to connect new generator was selected.	\$13,312,147	
71		HLP/DD/1492/SB	PE220025 WOLF BUILD NEW 345KV BKR & 1/2 SWITCHYARD				
72		HLP/DD/1492/SB	PE220026 HILLJE INSTALL POTT SCHEME ON 345KV CKT #64 TO WOLF	These projects were part of the FIGHTING JAYS INTERCONNECTION Project. Please see project need and description in Schedule M-1 and M-2.	Selected option provided the best performance. Other options did not allow generation facility to be dispatched at full output.	\$13,952,626	
73		HLP/DD/1492/SB	PE220027 WAP INSTALL POTT SCHEME ON 345KV CKT #64 TO WOLF				
74		HLP/DD/1493/SB	PE220028 BLUE - BUILD NEW 345KV BKR & 1/2 SWITCHYARD				
75		HLP/DD/1493/SB	PE220029 BAILEY - INSTALL POTT SCHEME ON 345KV CKT #72 TO BLUE	These projects were part of the RED-TAILED HAWK INTERCONNECTION Project. Please see project need and description in Schedule M-1 and	The most cost-effective solution to connect new generator was selected.	\$15,248,156	

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16		HLP/00/1493/SB	PE220030 HILLJE - INSTALL POTT SCHEME ON 345KV CKT #72 TO BLUE	iv-2.			

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17		HLP/00/1497/SB	PE220031 HUNGERFORD - BUILD NEW 138KV BKR & 1/2 SWITCHYARD	These projects were part of the HUNGERFORD-SBRANCH SOLAR INTERCONNECTION Project. Please see project need and description in Schedule M-1 and M-2.	The most cost-effective solution to connect new generator was selected.	\$12,129,069	
78		HLP/00/1497/SB	PE220032 DYANN - UPGRADE LINE RELAYING ON CKT 60 TO HUNGERFORD				
79		HLP/00/1497/SB	PE220033 DYANN - UPGRADE LINE RELAYING ON CKT 60 TO SOUTH LANE CITY				
80		HLP/00/1497/SB	PE220034 EAST BERNARD - UPGRADE LINE RELAYING ON CKT 60 TO HUNGERFORD				
81		HLP/00/1497/SB	PE220035 ORCHARD - UPGRADE LOOP BUS TO 525/580 MVA				
82		HLP/00/1497/SB	PE220036 SOUTH LANE CITY - UPGRADE LINE RELAYING ON CKT 60 TO DYANN				
83		HLP/00/1498/SB	PE220050 RIVERSIDE - BUILD NEW 138KV BKR & 1/2 SWITCHYARD	These projects were part of the RIVERSIDE SUB INTERCONNECTION Project. Please see project need and description in Schedule M-1 and M-2.	The most cost-effective solution to connect new generator was selected.	\$7,897,511	
84		HLP/00/1498/SB	PE220051 CHAMON - INSTALL DUAL FIBER ON CKT #94 TO RIVERSIDE				
85		HLP/00/1498/SB	PE220052 PSARCO - INSTALL DUAL FIBER ON CKT #94 TO RIVERSIDE	These projects were part of the LONGBOW INTERCONNECTION Project. Please see project need and description in Schedule M-1 and M-2.	The most cost-effective solution to connect new generator was selected.	\$13,427,996	
86		HLP/00/1501/SB	PE220069 DANBURY - BUILD NEW 138KV BKR & 1/2 SWITCHYARD				
87		HLP/00/1501/SB	PE220070 ANGLETON - UPGRADE LINE RELAYING ON CKT 04 TO DANBURY				
88		HLP/00/1501/SB	PE220071 PETSON - UPGRADE LINE RELAYING ON CKT 04 TO DANBURY				
89		HLP/00/1501/SB	PE220073 MONSAN - CONVERT 2ND DCB RELAY SCHEME TO POTT				
90		HLP/00/1501/SB	PE220075 HUDSON - UPGRADE LINE RELAYING ON 138KV CKT TO WEBSTER				
91		HLP/00/1501/SB	PE220076 WEBSTER - INSTALL POTT RELAY SCHEME ON 138KV CKT TO HUDSON				
92		HLP/00/1501/SB	PE220212 LIVERPOOL - ROUTE FIBER INTO CONTROL CURBICLE				

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93		HLP/DD/1516/SB	PE220103 ANGLETON-INSTALL LINE POSITION FOR NEW GENERATOR (MARK ONE)	These projects were part of the BEACHWOOD GENERATOR INTERCONNECTION Project. Please see project need and description in Schedule M-1 and M-2.	The most cost-effective solution to connect new generator was selected.	\$2,931,608	
94		HLP/DD/1516/SB	PE220104 ANGLETON-UPGRADE 138 KV CKT 26 TO KARSTEN TO MIN 384 MVA EMERGENCY				
95		HLP/DD/1516/SB	PE220105 MONSAN-UPGRADE 138 KV CKT 04 TO PETSON TO MIN 290 MVA EMERGENCY RATING				
96		HLP/DD/1516/SB	PE220106 HOC-UPGRADE 138 KV SOUTHWESTERN BUS TO MIN 775 MVA CONTINUOUS				
97		HLP/DD/1268/SB	PE190053 GARTH - BUILD NEW 138/12KV SUBSTATION (AP)P	These projects were part of the GARTH - NEW 12KV SUBSTATION Project. Please see project need and description in Schedule M-1 and M-2.	Distribution Planning evaluated several options and selected project(s) based on operational performance, economic efficiency, and construction feasibility.	\$12,850,881	
98		HLP/DD/1268/SB	PE190058 HANEY - MODIFY 138KV SECTIONALIZING SCHEME (AP)				
99		HLP/DD/1268/SB	PE190287 BAYTOWN - INSTALL DER TRANSFER TRIP	These projects were part of the Lake Houston Sub Project. Please see project need and description in Schedule M-1 and M-2.	Distribution Planning evaluated several options and selected project(s) based on operational performance, economic efficiency, and construction feasibility.	\$12,008,980	
100		HLP/DD/1250/SB	PE190052 LAKE HOUSTON BUILD NEW 138/35KV SUBSTATION (AP)				
101		HLP/DD/1250/SB	PE190061 KINGWOOD - MODIFY 138KV SECTIONALIZING SCHEME (AP)	This project was part of the WORTHAM - NEW 35KV SUBSTATION Project. Please see project need and description in Schedule M-1 and M-2.	Distribution Planning evaluated several options and selected project(s) based on operational performance, economic efficiency, and construction feasibility.	\$10,543,346	
102		HLP/DD/1308/SB	PE210065 WORTHAM BUILD NEW 138/35KV SUBSTATION				
103		HLP/DD/1389/SB	PE200037 BURKE - BUILD NEW 138KV SWITCHYARD	This project was part of the BURKE INTERCONNECTION Project. Please see project need and description in Schedule M-1 and M-2.	The most cost-effective solution to connect new generator was selected.	\$8,120,904	
104		HLP/DD/1454/SB	PE210068 EAGLE NEST BUILD NEW 138KV SWITCHYARD TO CONNECT NEW GENERATORP				
105		HLP/DD/1454/SB	PE210071 BURKE INSTALL POTT RELAY SCHEME ON CKT 02 TO EAGLE NEST	These projects were part of the BRAZORIA WEST SOLAR INTERCONNECTION Project. Please see project need and description in Schedule M-1 and M-2.	The most cost-effective solution to connect new generator was selected.	\$10,112,543	
106		HLP/DD/1454/SB	PE210072 WEST COLUMBIA INSTALL POTT RELAY SCHEME ON CKT 02 TO EAGLE NEST				
107		HLP/DD/1216/SB/0003	PE180147 MILLER Upgrade Relaying on CKT #88 to Baytown (BP)	These projects were part of the Baytown Area Upgrades Project. Please see project need and description in Schedule M-1 and M-2.	The Baytown Area Upgrade study concluded that the selected options proved to be the optimal solution based on operational performance, economic efficiency, and construction feasibility.	\$772,833	
108		HLP/DD/1216/SB/0003	PE180148 BAYTOWN Upgrade Relaying on CKT #87 to MILLER (BP)				
109		HLP/DD/1262/SB	PE190034 REFUGE - BUILD NEW 345KV SWITCHYARD (AP)	This project was part of the Peyton Creek Wind Generator Interconnect Project. Please see project need and description in Schedule M-1 and M-2.	The most cost-effective solution to connect new generator was selected.	\$17,674,924	
110		HLP/DD/1338/SB	PE190152 GREENS BAYOU RECONFIGURE 138KV YARD (AP)				
111		HLP/DD/1338/SB	PE190153 ANBUSH UPGRADE RELAYING ON 138KV CKT #08 TO GBY (AP)	PE210072 WEST COLUMBIA INSTALL POTT RELAY SCHEME ON CKT 02 TO EAGLE NEST is a duplicate. See responses to RFI097-100. These	The Greens Bayou Reconfiguration study concluded that the selected option proved to be		

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112		HLP/DD/1338/SB	PE190121 WHITE OAK REPLACE LINE PANEL ON 138KV CKT #03 TO GREENS BAYOU (AP)	<p>As explained, the response to RFI07-076, these projects were part of the Greens Bayou Reconfiguration Project. Please see project need and description in Schedule M-1 and M-2.</p>	<p>the optimal solution based on operational performance, economic efficiency, and construction feasibility.</p>	<p>\$8,090,723</p>	
113		HLP/DD/1338/SB	PE190224 HARDY UPGRADE CARRIER EQUIPMENT ON CKT #95 TO GREENS BAYOU (AP)				

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114		HLP/00/1345/SB	PE200040 LIMBURG Limburg Substation (SUB) Build new 138kV	These projects were part of the Limburg Substation Project. Please see project need and description in Schedule M-1 and M-2.	Distribution Planning evaluated several options and selected project(s) based on operational performance, economic efficiency, and construction feasibility.	\$9,334,142	
115		HLP/00/1345/SB	PE200041 SOUTHWYCK UPGRADE 138KV LINE SECTIONALIZING SCHEME				
116		HLP/00/1335/SB	PE190049 BLODGETT CONVERT TO 138KV OPERATION (AP)	This project was part of the Blodgett 138kV Loop Conversion Project. Please see project need and description in Schedule M-1 and M-2.	CenterPoint Energy Transmission Planning Department determined that the conversion of the Blodgett Substation was necessary to allow the aged University Substation autotransformer to be removed from service.	\$8,237,937	
117		HLP/00/1450/SB	PE210046 HILLJE - Install 345 kV Line Position for New Generator (Danish Fields Solar) _	This project was part of the Danish Fields Solar Interconnection Project. Please see project need and description in Schedule M-1 and M-2.	The most cost-effective solution to connect new generator was selected.	\$3,652,439	
118		HLP/00/1518/SB/0003	PE220101 HOC RELOCATE 138 KV CKT 05 TO WEBSTER.	These projects were part of the Ckt. 05B Line Reposition. Please see project need and description in Schedule M-1 and M-2.	The Transmission Planning study indicated that the relocation of 138 kV HOC – Southwyck ckt 05 was successful in reducing the loading along the ckt 90 path from HOC to Garrott to Midtown to Polk. The solution was also cost effective.	\$2,107,084	
119		HLP/00/1518/SB/0003	PE220102 WEBSTER UPGRADE LINE RELAYING ON CKT 05 TO HOC				
120		HLP/00/1424/SB/0001	PE210050 PEARLAND INSTALL 138 KV. 40 MVAR CAP BANK.				
121		HLP/00/1424/SB/0001	PE220042 MYKAWA BUILD NEW 138KV BKR & 1/2 SWITCHYARD				
122		HLP/00/1424/SB/0001	PE220043 COUGAR UPGRADE CARRIER EQUIPMENT ON CKT TO MYKAWA	These projects were part of the Mykawa Substation Project. Please see project need and description in Schedule M-1 and M-2.	Of the studied options, the selected projects offered the most complete, reliable solution.	\$29,463,228	
123		HLP/00/1424/SB/0001	PE220045 PHR UPGRADE CARRIER EQUIPMENT ON CKT TO MYKAWA				
124		HLP/00/1424/SB/0001	PE220046 PLAZA UPGRADE CARRIER EQUIPMENT ON CKT TO MYKAWA				
125		HLP/00/0017/SB	PE220318 MYKAWA BUILD NEW DUAL VOLTAGE DISTRIBUTION SUB 38kV & 12kV				
126		HLP/00/1426/SB/0001	PE200289 HOC INSTALL LINE POS.FOR NEW GENERATOR (PES1) & UPG.CKT 90 TO GARROTT	This project was part of Generator - PES1 (@ HOC) Project. Please see project need and description in Schedule M-1 and M-2.	The most cost-effective solution to connect new generator was selected.	\$2,092,985	

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127		HLP/DD1414/SB/0002	PE200209 STRANG UPGRADE RELAYING AND CARRIER ON CKT87 TO CEDAR BAYOU	These projects were part of Spillman Restoration Project. Please see project need and description in Schedule M-1 and M-2.	Four Immediate Restoration options were evaluated to resolve the loading concerns while maintaining reliability during other contingencies. The Spillman Island Immediate Restoration Plan study concluded selected projects proved to be the optimal solution based on operational performance, economic efficiency, construction feasibility, and future upgrade considerations.	\$2,977,470	
128		HLP/DD1414/SB/0002	PE200210 CEDAR BAYOU PLANT UPGRADE RELAYING AND CARRIER ON CKT87 TO STRANG				
129		HLP/DD1414/SB/0005	PE200211 QUANUM UPGRADE RELAYING AND CARRIER ON CKT85 TO CEDAR BAYOU				
130		HLP/DD1414/SB/0005	PE200212 CEDAR BAYOU PLANT UPGRADE RELAYING AND CARRIER ON CKT85 TO QUANUM				
131		HLP/DD1414/SB/0001	PE200213 BAYOU UPGRADE RELAYING AND CARRIER ON CKT79 TO MORGANS POINT				
132		HLP/DD1414/SB/0008	PE200214 MORGANS POINT UPGRADE RELAYING AND CARRIER ON CKT79 TO BAYOU. PRE-INSTALL DUAL FIBER CABLES				
133		HLP/DD1414/SB/0010	PE200215 CHORIN INSTALL DUAL FIBER ON CKT87 TO SRB				
134		HLP/DD1414/SB/0004	PE200216 SRB UPGRADE WAVE TRAP ON CKT87 TO CHORIN				
135		HLP/DD1414/SB/0007	PE200217 CEDAR BAYOU PLANT UPGRADE RELAYING AND CARRIER ON CKT84 TO HOPSON				
136		HLP/DD1414/SB/0007	PE200218 HOPSON UPGRADE RELAYING AND CARRIER ON CKT84 TO CEDAR BAYOU				
137		HLP/DD1414/SB/0009	PE200219 DECKER UPGRADE CKT83 TO CEDAR BAYOU TO 498MVA	These projects were part of WAP FAULT DUTY-BUS SPLIT Project. Please see project need and description in Schedule M-1 and M-2.	The study concluded that the selected projects were the optimal solution due to superior performance. The projects addressed the fault duty concerns at 138 kV WAP and 138 kV HOC substations and addressed the base case issue of momentary voltage change at 138 kV HOC substation when switching on a capacitor bank.	\$8,377,011	
138		HLP/DD0130/SB/0025	PE190047 HOC - Install 138kV Series Reactor (BP)				
139		HLP/DD0130/SB/0037 or HLP/DD0130/SB/0036	PE190048 WAP - Install 138kV Series Reactors (BP)				
140		HLP/DD0130/SB/0037	PE190074 BRITMOORE - UPGRADE CARRIER EQUIPMENT ON 138KV CKT #09 TO WAP (BP)				
141		HLP/DD0130/SB/0037	PE190075 FORT BEND - REMOVE CARRIER EQUIPMENT ON 138KV CKT #09 TO WAP (BP)	These projects were part of Waterhole Project. Please see project need and description in Schedule M-1 and M-2.	The most cost-effective solution to connect new generator was selected.	\$403,066	
142		HLP/DD1571/SB	PE220236 WATERHOLE BUILD NEW CNP 345KV BKR-3-1/2 INTERCONNECTION SWITCHYARD				
143		HLP/DD1571/SB	PE220237 BAILEY UPGRADE LINE RELAYING ON CKT62 TO WATERHOLE				
144		HLP/DD1571/SB	PE220238 JONES CREEK UPGRADE LINE RELAYING ON CKT62 TO WATERHOLE	This project was part of the GULFTIE GENERATOR INTERCONNECTION Project. Please see project need and description in Schedule M-1 and M-2.	The most cost-effective solution to connect new generator was selected.	\$10,911,188	
145		HLP/DD1577/SB	PE220319 GULFTIE BUILD NEW CNP 138KV BKR-3-1/2 INTERCONNECTION SWITCHYARD				

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146		HLP/DD/157D/SB	PE220223 MONSANTO UPGRADE HUDSON CKT04 TO MINIMUM 507/507MVA	These projects were part of SNUG INTERCONNECT. Please see project need and description in Schedule M-1 and M-2.	These were the most cost-effective solutions to address thermal overloads seen after connecting the new generator.	\$842,876	
147		HLP/DD/157D/SB	PE220224 MUSTANG BAYOU UPGRADE 138KV LOOP BUS TO MINIMUM 568/568MVA				
148		HLP/DD/157D/SB	PE220226 LIVERPOOL UPGRADE 138KV LOOP BUS TO MINIMUM 517/517MVA				
149		HLP/DD/1567/SB	PE220218 ARCHER BUILD NEW CNP 138KV BKR-8-1/2 INTERCONNECTION SWITCHYARD	These projects were part of Archer Sub Project. Please see project need and description in Schedule M-1 and M-2.	The most cost-effective solution to connect new generator was selected.	\$11,175,099	
150		HLP/DD/1567/SB	PE220219 KARSTEN UPGRADE LINE RELAYING ON CKT26 TO ARCHER				
151		HLP/DD/1567/SB	PE220220 ANGLETON UPGRADE LINE RELAYING ON CKT26 TO ARCHER MIN 384/384MVA				
152		HLP/DD/1512/SB	PE220057 WEST COLUMBIA - UPGRADE 138KV YARD FAULT DUTY TO 63KA	This project was part of San Bernard - W. Columbia CKT 04 Upgrade Project. Please see project need and description in Schedule M-1 and M-2.	Selected projects were the most cost-effective to resolve loading and fault duty concerns on 138 kV West Columbia to San Bernard circuit 04 and West Columbia substation, respectively.	\$1,434,514	
153		HLP/DD/1500/SB	PE220053 SMITHERS - BUILD 345KV LINE POSITION FOR NEW GENERATOR	This project was part of Rabbs Interconnection Project. Please see project need and description in Schedule M-1 and M-2.	The most cost-effective solution to connect new generator was selected.	\$4,841,855	
154		HLP/DD/148S/SB	PE210082 WEST COLUMBIA Expand 138 kV Ring Bus to Connect New Generator	This project was part of the Roughneck Storage Interconnection Project. Please see project need and description in Schedule M-1 and M-2.	The most cost-effective solution to connect new generator was selected.	\$2,731,186	
155		HLP/DD/1419/SB/0001	PE210034 SRB REMOVE 69KV FACILITIES & ADD 138KV BUS TIE BKR	These projects were part of SRB Area 69 KV Upgrades Project. Please see project need and description in Schedule M-1 and M-2.	CenterPoint Energy Transmission Planning Department evaluated several proposed options and recommended the selected projects.	\$3,493,631	
156		HLP/DD/1419/SB/0003	PE210035 SRB INSTALL 100MVAR CAP BANK				
157		HLP/DD/1419/SB/0003	PE210036 HOC REMOVE & RELOCATE 138KV, 100MVAR CAP BANK				
158		HLP/DD/1419/SB/0002	PE210037 SOUTH CHANNEL RECONFIGURE 69KV SRB CKT-23 AS DEEPWATER CKT-23				
159		HLP/DD/1419/SB/0002	PE210038 DEEPWATER RECONFIGURE 69KV SRB CKT AS SOUTH CHANNEL CKT				

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160		HLP/00/1233/SB/0001	PE210077 WHITE OAK INSTALL 2ND 138KV KV AUTO	These projects were part of the Heights Area Upgrades Project. Please see project need and description in Schedule M-1 and M-2.	The most cost-effective solution to relieve the loading concerns was selected. Due to loading concerns on White Oak Auto #2, CenterPoint Energy Transmission Planning Department determined that the addition of White Oak Auto #4 along with the Heights and Little York load transfer solved many of the area load concerns.	\$9,465,339	
161		HLP/00/1233/SB/0002	PE210078 WHITE OAK UPGRADE 69 KV CKT 34 TO HEIGHTS TO MIN 192/192 MVA				
162		HLP/00/1233/SB/0002	PE210079 HEIGHTS UPGRADE 69 KV CKT 34 TO WHITE OAK TO MIN 192/192 MVA				
163		HLP/00/1233/SB/0001	PE210080 SAN FELIPE UPGRADE CARRIER EQUIP ON 138 KV CKT 09 TO WHITE OAK				
164		HLP/00/1325/SB	PE210256 DEHL - INSTALL 11TH & 12TH 12KV FEEDERS				
165		HLP/00/1480/SB	PE220089 AIRLINE - INSTALL 12TH 12KV FEEDER				
166		HLP/00/1184/SB	PE220085 CROCKETT - INSTALL 3RD TRANSFORMER & 3-12 KV FEEDERS				
167		HLP/00/1337/SB	PE210020 Jones Creek - Install new 138kv positions				
168		HLP/00/1337/SB	PE210021 Velasco - Reconfigure for new Jones Creek ckt	These projects were part of the Copper to Jones Creek CKT02 Project. Please see project need and description in Schedule M-1 and M-2.	The Transmission Planning study concluded that the selected options proved to be the optimal solution based on operational performance.	\$11,420,227	
169		HLP/00/130/SB/0044	PE200088 JONES CREEK - RECONFIGURE 138KV SWITCHYARD	This project was part of the Nash Loop Project. Please see project need and description in Schedule M-1 and M-2.	The most cost-effective solution to address the replacement of aging infrastructure, future conversion of ckt 45 to 138 kv, and future renewable connections in the area was selected.	\$8,424,995	
170		HLP/00/1278/SB	PE180217 NASH - CONVERT TO 138KV OPERATION (AP)				
171		HLP/00/1248/SB	PE170068 HOFMAN - REPLACE LINE PANEL ON CKT #02 TO BASF & REPL RTU (AP)				
172		HLP/00/1248/SB	PE170067 BASF - REPLACE LINE PANEL & JUMPERS ON CKT #02 TO HOFMAN & REPL RT (AP)	These projects were part of the BASF Hofman Upgrade CKT 02 Project. Please see project need and description in Schedule M-1 and M-2.	An upgrade in conductor was necessary to mitigate overloading concerns on circuit 02 between BASF, HOFMAN, and LAKE JACKSON during some P3, P6, and P7 cases. Reconductoring the existing line was chosen as the most cost effective solution.	\$682,945	
173		HLP/00/1248/SB	PE180214 LAKE HOUSTON - UPGRADE CKT #02 LOOP BUS	This project was part of the Ramsey Solar Generator Interconnection Project. Please see project need and description in Schedule M-1 and M-2.	The most cost-effective solution to connect new generator was selected.	\$2,081,780	
174		HLP/00/1480/SB/0001	PE210098 Hillje - BUILD NEW 345KV LINE POSITION FOR NEW GENERATOR				
175		HLP/00/1445/SB	PE210039 Angleton - Install Line Position for New Generator (MYRTLE)	This project was part of the Myrtle Solar Interconnection Project. Please see project need and description in Schedule M-1 and M-2.	The most cost-effective solution to connect new generator was selected.	\$12,013,160	
176		HLP/00/1453/SB	PE210067 Cedar Creek - BUILD NEW 345KV SWITCHYARD TO CONNECT NEW GENERATOR	These projects were part of the Old 300 Solar Center Interconnection Project. Please see project need and description in Schedule M-1 and M-2.	The most cost-effective solution to connect new generator was selected.	\$14,963,333	
177		HLP/00/1453/SB	PE210069 Bailey - INSTALL POTT RELAY SCHEME ON CKT 72 TO CEDAR CREEK				
178		HLP/00/1453/SB	PE210070 WAP - INSTALL POTT RELAY SCHEME ON CKT 72 TO CEDAR CREEK				

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179		HLP/00/0996/SB	PE210232 ALTA LOWA - INSTALL 8TH 12KV FEEDER	These projects were part of the Convert Alvin sub to 138 kV, double tap Project. Please see project need and description in Schedule M-1 and M-2.	The most cost-effective solution to replace aging infrastructure and convert both Alvin and Manvel substations to 138 kV service was selected.	\$10,487,815	
180		HLP/00/0996/SB	PE210233 MUSTANG BAYOU - INSTALL 3RD & 4TH 12KV FEEDERS				
181		HLP/00/0996/SB	PE210234 WEBSTER - UPGRADE MANVEL 69KV LINE RELAYING FOR ALVIN BYPASS				
182		HLP/00/0996/SB	PE230002 ALVIN - CONVERT TO 138KV OPERATION & INSTALL 2ND TRF				
183		HLP/00/0996/SB	PE230003 MANVEL - CONVERT TO 138KV OPERATION				
184		HLP/00/0996/SB	PE230018 HOC - DISCONNECT 69KV CKT 53 TO KARSTEN				
185		HLP/00/0996/SB	PE230019 WEBSTER - REMOVE 69KV FACILITIES (INCLUDING AUTO)				
186		HLP/00/0996/SB	PE230021 KARSTEN - REMOVE 69KV FACILITIES & REVISE LINE RELAYING ON 138KV CKT6 TO ANGLETON				
187		HLP/00/1162/SB	PE210063 WALLER INSTALL 2ND TRF AND 35KV FEEDER	This project was part of the Waller Add XFMR and Feeder Project. Please see project need and description in Schedule M-1 and M-2.	Distribution Planning evaluated several options and selected project(s) based on operational performance, economic efficiency, and construction feasibility.	\$4,658,674	
188		HLP/00/1228/SB	PE190051 READING - Install (2) 100 MVA TRFs & (3) 35KV Feeders (BP)	This project was part of the Reading Install 35kV TRFs and FDRs Project. Please see project need and description in Schedule M-1 and M-2.	Distribution Planning evaluated several options and selected project(s) based on operational performance, economic efficiency, and construction feasibility.	\$6,884,225	
189		HLP/00/1112/SB	PE150234 HOC - CONVERT TRFS #1, #2, & #3 TO 138KV OPERATION	These projects were part of the Convert HOC Load from 69 to 138kV Project. Please see project need and description in Schedule M-1 and M-2.	Transmission Planning evaluated 6 options to address reliability concerns due to aging power transformers in the HOC area by moving distribution load at the HOC Substation from 69kV to 138kV. All options successfully meet the design criteria requirements of the steady state power flow study and fault current analysis. Transmission Planning recommended Options 1B and 3A based on performance and cost.	\$14,329,375	
190		HLP/00/0936/SB	PE180144 HOC - REPLACE CONVENTIONAL SUB WITH BKR & HALF				
191		HLP/00/1152/SB	PE160410 RED BLUFF BUILD NEW 138/12KV SUBSTATION	This project was part of the Red Bluff Substation Project. Please see project need and description in Schedule M-1 and M-2.	Distribution Planning evaluated several options and selected project(s) based on operational performance, economic efficiency, and construction feasibility.	\$12,000,000	
192		HLP/00/1117/SB	PE180135 DUNLAVY - UPGRADE 69KV CKT #31 TO HEIGHTS (BP)	These projects were part of the Upgrade CKT31 Dunlavy to Heights Project. Please see project need and description in Schedule M-1 and M-2.	The most cost-effective solution to address the thermal loading concerns was selected. According to the analysis in the study, reconductoring the Dunlavy to Heights line and upgrade substation equipment at both Dunlavy and Heights substations would alleviate the potential P2, P3, P6 and P7 line loading concerns seen in the current base cases.	\$700,044	
193		HLP/00/1117/SB	PE180136 HEIGHTS - UPGRADE 69KV CKT #31 TO DUNLAVY				
194		HLP/00/1525/SB	PE220211 HEIGHTS - UPGRADE DUNLAVY CKT31				
195		HLP/00/1190/SB	PE180044 CEDAR BAYOU PLANT UPGRADE 138KV CKT #67 TO STRANG				

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196		HLP/00/1190/SB	PE180036 CHORIN UPGRADE 138KV CKT #87 TO SRB, INCREASE AMPACITY (REPLACE AITEK WITH RUSSEL SUB)	These projects were part of the CBY-Airtek CKT87 Upgrades Project. Please see project need and description in Schedule M-1 and M-2.	The most cost-effective solution to address the thermal loading concerns seen in the ERCOT 2015 Regional Transmission Plan was selected.	\$2,407,066	
197		HLP/00/1190/SB	PE180034 SRB UPGRADE 138KV CKT #87 TO CHORIN, INCREASE AMPACITY				
198		HLP/00/1190/SB	PE180043 CHORIN UPGRADE 138KV CKT #87 TO STRANG, INCREASE AMPACITY (BP)				
199		HLP/00/1190/SB	PE170068 STRANG UPGRADE AMPACITY OF CUSTOMER SUBSTATION				

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200		HLP/DD/1288/SB	PE210060 MISSOURI CITY INSTALL 3RD TRF AND (2) 12KV FEEDERS	This project was part of the Missouri City-Add 3rd XFMR and 2 Feeders Project. Please see project need and description in Schedule M-1 and M-2.	Distribution Planning evaluated several options and selected project(s) based on operational performance, economic efficiency, and construction feasibility.	\$3,434,794	
201		HLP/DD/1444/SB	PE210028 WEST GALVESTON - ADD 3RD 12KV, 50MVA TRANSFORMER	These projects were part of the West Galveston Add 3rd 50MVA XFMR Project. Please see project need and description in Schedule M-1 and M-2.	Distribution Planning evaluated several options and selected project(s) based on operational performance, economic efficiency, and construction feasibility.	\$3,107,926	
202		HLP/DD/1444/SB	PE200260 SPARES-PURCH 30/40/50 MVA POWER TRF				
203		HLP/DD/1344/SB	PE190002 JONES CREEK BUILD NEW 138/12KV SUBSTATION (AP)	This project was part of the Jones Creek New 12kV Sub Project. Please see project need and description in Schedule M-1 and M-2.	Distribution Planning evaluated several options and selected project(s) based on operational performance, economic efficiency, and construction feasibility.	\$13,282,809	
204		HLP/DD/1482/SB/0001	PE220037 SAN BERNARD BUILD NEW 138KV BKR & 1/2 SWITCHYARD	These projects were part of the San Bernard Sub for Dandager Solar Project. Please see project need and description in Schedule M-1 and M-2.	The most cost-effective solution to connect new generator was selected.	\$8,465,777	
205		HLP/DD/1482/SB/0001	PE220038 SOUTH LANE CITY INSTALL POTT SCHEME ON 138KV CKT TO SAN BERNARD				
206		HLP/DD/1482/SB/0001	PE220041 WEST COLUMBIA UPGRADE RELAY SCHEME ON CKT 04 TO SAN BERNARD				
207		HLP/DD/1482/SB/0001	PE220058 WEST COLUMBIA UPGRADE 138KV CKT04 TO SAN BERNARD TO MIN 810/840 MVA RATING	These projects were part of the Jonte 138KV Switching Station Project. Please see project need and description in Schedule M-1 and M-2.	The most cost-effective solution to address the voltage and operational concerns was selected. The addition of Jonte substation to the system solves a CNP Planning Event P1 voltage concern identified in the 2024 summer base case as well as provides additional reliability and operational benefits to the transmission system.	\$11,547,651	
208		HLP/DD/1483/SB/0001	PE220065 JONTE - BUILD NEW 138KV BKR & 1/2 SWITCHYARD				
209		HLP/DD/1483/SB/0001	PE220066 NORTH BELT - UPGRADE LINE RELAYING ON CKT TO JONTE				
210		HLP/DD/1483/SB/0001	PE220067 HARDY - UPGRADE CARRIER ON CKT TO JONTE	These projects were part of the TNP Topaz & PHR-Attwater Upgrades Project. Please see project need and description in Schedule M-1 and M-2.	TNMP performed an FIS study for the new Topaz Power Plant and considered several alternatives. The TNMP Study concluded that congestion occurred during P0 conditions for the alternative option, but this issue was resolved when using the POI configuration for the selected projects. Based on the absence of P0 overloads, the above projects were chosen as the POI configuration for the Topaz Power Plant.	\$816,750	
211		HLP/DD/1483/SB/0001	PE220088 CROSBY - UPGRADE CARRIER ON CKT TO JONTE				
212		HLP/DD/1488/SB/0001	PE200387 PHR - UPGRADE RELAYING ON CKT 02 & CKT 03 TO ATTWATER (TNMP) (PHASE 1)				
213		HLP/DD/1488/SB/0001	PE210175 PHR - UPGRADE 138KV CKT 02 TO TOPAZ (TNMP)				
214		HLP/DD/1488/SB/0002	PE210176 PHR - UPGRADE 138KV CKT 03 TO TOPAZ (TNMP)				
215		HLP/DD/1488/SB/0001	PE210179 PHR - UPGRADE RELAYING ON CKT 02 & CKT 03 TO ATTWATER (TNMP) (PHASE 2)				

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216		HLP/001472/SB/0001	PE230028 ZENITH - EXPAND 138KV YARD TO INSTALL RADIAL CKT	These projects were part of the Build New Radial From Zenith – Village Creek Project. Please see project need and description in Schedule M-1 and M-2.	Two options were studied. The study results showed that Option 1 resolved the voltage concerns by peak 2024 but was not sufficient to resolve thermal or voltage concerns in 2025 and 2026 summer peak cases. Option 2 resolved all potential thermal and voltage concerns on 138 kV Zenith – Village Creek ckt 09 and buses served by this circuit without causing any additional reliability concerns. Based on the analysis, CenterPoint Energy recommended Option 2 to resolve the potential thermal loading concern on 138 kV Franz – Katy ckt 06 and potential voltage concerns at Franz and Katy substations. Option 2 included the expansion of Zenith 138 kV substation with a new position, the construction of a new 138 kV radial line between Zenith and Village Creek at the vacant side of the existing structures, reposition of the Village Creek transformer with the larger load to the new radial line, and reconfiguration of Village Creek to a double tap arrangement.	53,479,708	
217		HLP/001472/SB/0002	PE230029 VILLAGE CREEK - CONVERT FROM LOOP TO DOUBLE TAP CONFIGURATION				
218		HLP/001395/SB	PE200042 BEASLY - BUILD NEW 138KV SWITCHYARD	These projects were part of the Ft Bend Solar Interconnection Project. Please see project need and description in Schedule M-1 and M-2.	The most cost-effective solution to connect new generator was selected.	510,167,199	
219		HLP/001395/SB	PE200043 EAST BERNARD - UPGRADE CARRIER ON CKT #60				
220		HLP/001395/SB	PE200044 SEALY - UPGRADE 138KV LOOP BUS TO 250MVA				

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221		HLP/00/0055/SB/0143	PE200258 ENCO - Install SCADA set at New Customer Sub	These projects were part of the ENCO Substation Project. Please see project need and description in Schedule M-1 and M-2.	The Transmission Planning study concluded that selected projects proved to be the optimal solution based on operational performance, economic efficiency, and construction feasibility.	\$1,216,305	
222		HLP/00/0095/SB/0115	PE200257 EL DORADO - INSTALL 12KV 7.2 kVAR CAP BANK				
223		HLP/00/0095/SB/0114	PE200258 SPENCER - Install 12kV 7.2MVAR Cap Bank				
224		HLP/00/0095/SB/0115	PE200261 HARRISBURG - REMOVE AND RELOCATE 12KV 10.8MVAR CAPACITOR BANK (CB2)				
225		HLP/00/0798/SB	PE180017 SURFSI - REPLACE LINE PANEL ON CKT #59 TO JONES CREEK (TRANSFER TRIP)	These projects were part of the Dual Pilot Relaying Project. Please see project need and description in Schedule M-1 and M-2.	These projects were part of a program to install dual-pilot protection on shorter 138kV lines terminating in multi-line substations. The project locations were chosen to improve reliability to 12kV or 35 kV customers, to major industrial facilities and the 138kV transmission system.	\$993,225	
226		HLP/00/0798/SB	PE190010 CELNEC - REPLACE LINE PANEL ON CKT #35 TO LOMAX				
227		HLP/00/0798/SB	PE190009 JONES CREEK - INSTALL FIBER ON CKT #48 TO CORTEZ				
228		HLP/00/0798/SB	PE190011 LOMAX - REPLACE LINE PANEL ON CKT #35 TO CELNEC- REPLACE METERING P'S CKT #35				
229		HLP/00/0798/SB	PE190221 MARINE - ADD DUAL PILOT TO CORTEZ	These projects were part of the Bogy Substation Project. Please see project need and description in Schedule M-1 and M-2.	With similar performance between the selected projects and alternatives, the most cost-effective option was selected.	\$1,119,051	
230		HLP/00/0798/SB	PE190007 SURFSI - REPLACE LINE PANEL ON CKT #59 TO VELASCO				
231		HLP/00/0798/SB	PE190008 VELASCO - ADD FIBER (DUAL PILOT) TO CKT #48 TO MARINE				
232		HLP/00/0055/SB/0140	PE200047 SOUTH CHANNEL - UPGRADE LINE RELAYING				
233		HLP/00/0055/SB/0140	PE200048 PAIR - UPGRADE LINE RELAYING / INSTALL FIBER	This project was part of the Britmoore-Add 3rd XFMR and 2 Feed Project. Please see project need and description in Schedule M-1 and M-2.	Distribution Planning evaluated several options and selected project(s) based on operational performance, economic efficiency, and construction feasibility.	\$3,710,451	
234		HLP/00/0055/SB/0140	PE200049 AIRPRO - UPGRADE LINE RELAYING				
235		HLP/00/1286/SB	PE210055 BRITMOORE - INSTALL 3RD TRF AND (2) 12KV FEEDERS	These projects were part of the Zenith Auto Area Project. The project addressed the need to mitigate potential loading concerns of the Zenith autotransformers under P1 and P6 ERCOT N-1-1 auto unavailability contingency scenarios. The concerns relating to the loss of a Zenith Autotransformer were identified under ERCOT's Regional Transmission Plan in 2015 * Install an 800 MVA (1000 MVA emergency) 345:138 kV autotransformer at Zenith Substation (3rd Zenith Auto) * Upgrade fault duty at Zenith 138 kV to 80 KAIC (Replace 6 breakers and upgrade bus in breaker bays) * Upgrade fault duty at Zenith 345 kV to 63 KAIC (Install 6 TRVs)	Project was submitted for ERCOT Regional Planning Group (RPG) review and approval. Refer to the attached RPG submittal for alternatives.	\$7,468,225	
236		HLP/00/1127/SB	PE190232 ZENITH - Area Auto TRF INCR. FAULT DUTY				
237		HLP/00/1127/SB	PE180013 ZENITH - Install 3rd 345/138/23kV Auto TRF & Increase Fault Duty				

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238		HLP/DD/1259/SB	PE190063 PARKWAY - INSTALL 7TH & 8TH 12KV FEEDERS (BP)	This project was part of the Parkway: Add 7th & 8th 12kV FDR Project. Please see project need and description in Schedule M-1 and M-2.	Distribution Planning evaluated several options and selected project(s) based on operational performance, economic efficiency, and construction feasibility.	\$300,623	
239		HLP/DD/0596/SB	PE200086 WHARTON - INSTALL 7TH 12KV FEEDER (BP)	This project was part of the Wharton Sub: Add 7th 12kV Fdr Project. Please see project need and description in Schedule M-1 and M-2.	Distribution Planning evaluated several options and selected project(s) based on operational performance, economic efficiency, and construction feasibility.	\$413,494	
240		HLP/DD/1041/SB	PE200097 HOLMES - INSTALL 11TH & 12TH 12KV FEEDERS (AP)	This project was part of the Holmes: Add 11th and 12th 12kV Feeders Project. Please see project need and description in Schedule M-1 and M-2.	Distribution Planning evaluated several options and selected project(s) based on operational performance, economic efficiency, and construction feasibility.	\$423,692	
241		HLP/DD/1060/SB	PE200090 TRINITY BAY - INSTALL 5TH 35KV FEEDER (BP)	This project was part of the Trinity Bay: Add 5th 35kV FDR Project. Please see project need and description in Schedule M-1 and M-2.	Distribution Planning evaluated several options and selected project(s) based on operational performance, economic efficiency, and construction feasibility.	\$816,778	
242		HLP/DD/1253/SB	PE190050 BLODGETT - INSTALL 3RD TRF & (3) 12KV FEEDERS (AP)	This project was part of the Blodgett - Add 3rd XFMR and 1 Feeder Project. Please see project need and description in Schedule M-1 and M-2.	Distribution Planning evaluated several options and selected project(s) based on operational performance, economic efficiency, and construction feasibility.	\$2,319,755	
243		HLP/DD/1289/SB	PE200074 PLAZA - INSTALL 3RD TRF AND (2) 35KV FEEDERS. EXTEND 138KV RING (AP)	This project was part of the Plaza - Add 3rd XFMR and 2 Feeders Project. Please see project need and description in Schedule M-1 and M-2.	Distribution Planning evaluated several options and selected project(s) based on operational performance, economic efficiency, and construction feasibility.	\$6,268,896	
244		HLP/DD/1357/SB	PE200076 NEEDVILLE - INSTALL 5TH & 6TH 12KV FEEDERS (BP)	This project was part of the Needville: Add 5th & 6th Feeders Project. Please see project need and description in Schedule M-1 and M-2.	Distribution Planning evaluated several options and selected project(s) based on operational performance, economic efficiency, and construction feasibility.	\$592,136	
245		HLP/DD/1402/SB	PE200089 JORDAN - INSTALL 5TH & 6TH 35KV FEEDERS (BP)	This project was part of the Jordan: Add 5th and 6th 35kV FDRs Project. Please see project need and description in Schedule M-1 and M-2.	Distribution Planning evaluated several options and selected project(s) based on operational performance, economic efficiency, and construction feasibility.	\$548,109	
246		HLP/DD/1437/SB	PE200103 HILLJE - CONVERT 345KV SWITCHYARD TO BKR AND A HALF (BP)	These projects were part of the Hillje - Convert to BRKR and 1/2 Config Project. Please see project need and description in Schedule M-1 and M-2.	The existing ring bus at Hillje could only accommodate one additional generator interconnect. With two customers requesting interconnection, converting to a breaker and half arrangement was the most cost-effective, reliable option.	\$3,999,687	
247		HLP/DD/1437/SB	PE200109 STP - UPGRADE CARRIER ON HILLJE CIRCUITS				
248		HLP/DD/1437/SB	PE200110 WAP - UPGRADE CARRIER ON HILLJE CIRCUITS	This project was part of the Gertie - Add 10th Feeder Project. Please see project need and description in Schedule M-1 and M-2.	Distribution Planning evaluated several options and selected project(s) based on operational performance, economic efficiency, and construction feasibility.	\$273,902	
249		HLP/DD/1166/SB	PE210057 GERTIE - ADD 10TH FEEDER				

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250		HLP/00/1312/SB	PE210062 SCENIC WOODS - INSTALL 35KV FACILITIES	This project was part of the Scenic Woods - Add 2-35kV TRFs & 2 Project. Please see project need and description in Schedule M-1 and M-2.	Distribution Planning evaluated several options and selected project(s) based on operational performance, economic efficiency, and construction feasibility.	\$7,724,083	
251		HLP/00/1346/SB	PE210051 RED BLUFF - INSTALL 3RD TRF AND (2) 12KV FEEDERS	This project was part of the Red Bluff Add 3rd XFMR and 3 Fee Project. Please see project need and description in Schedule M-1 and M-2.	Distribution Planning evaluated several options and selected project(s) based on operational performance, economic efficiency, and construction feasibility.	\$3,024,900	
252		HLP/00/1407/SB	PE210058 CLODINE - INSTALL 4TH TRF AND (2) 12KV FEEDERS	This project was part of the Clodine-Add 4th XFMR and 3 Feeder Project. Please see project need and description in Schedule M-1 and M-2.	Distribution Planning evaluated several options and selected project(s) based on operational performance, economic efficiency, and construction feasibility.	\$4,390,285	
253		HLP/00/1398/SB	PE200099 WHITE OAK - Install 15th 12kV Feeder (AF)	This project was part of the White Oak Add 15th Feeder Project. Please see project need and description in Schedule M-1 and M-2.	Distribution Planning evaluated several options and selected project(s) based on operational performance, economic efficiency, and construction feasibility.	\$296,502	
254		HLP/00/1451/SB	PE210053 CLEAR LAKE - Instl 3rd TRF & 2 12kV Fdr	This project was part of the Clear Lake - Add 3rd XFMR and 2 F Project. Please see project need and description in Schedule M-1 and M-2.	Distribution Planning evaluated several options and selected project(s) based on operational performance, economic efficiency, and construction feasibility.	\$3,580,564	
255		HLP/00/1284/SB	PE200073 ALMEDA - Install 3rd trf & 3-12kv fdrs	This project was part of ALMEDA-ADD 3RD XFMR AND 3 FEEDERS Project. Please see project need and description in Schedule M-1 and M-2.	Distribution Planning evaluated several options and selected project(s) based on operational performance, economic efficiency, and construction feasibility.	\$1,553,236	
256		HLP/00/1252/SB	PE190046 Northside - INSTL 3rd TRF & 2-12KV FDRS	This project was part of the NORTHSIDE-ADD 3RD XFMR AND 2 FEEDERS Project. Please see project need and description in Schedule M-1 and M-2.	Distribution Planning evaluated several options and selected project(s) based on operational performance, economic efficiency, and construction feasibility.	\$4,771,589	
257		HLP/00/1248/SB	PE190048 SPRINGWOOD - Instl 2 TRFs & 6 Fdrs IFDN	This project was part of the SPRINGWOOD-INSTALL 2 XFMS AND 6 FEEDERS Project. Please see project need and description in Schedule M-1 and M-2.	Distribution Planning evaluated several options and selected project(s) based on operational performance, economic efficiency, and construction feasibility.	\$7,535,904	
258		HLP/00/1123/SB	PE150235 UNIVERSITY - Convert Dist 69kV to 138kV	This project was part of the Convert University 69kV Load to 138kV Project. Please see project need and description in Schedule M-1 and M-2.	Transmission Planning analyzed the impact of converting the 69 kV load at University to 138 kV. Based on the results from the steady state power flow analysis, there were no thermal loading or voltage concerns identified. By completing these projects, CenterPoint Energy eliminated the need for the 138/69 kV aged autotransformer, which improved the reliability of its transmission system.	\$2,902,741	
259		HLP/00/0095/SB/0087	PE190003 JONES CREEK - Install 3rd 138kV 120mvar Cap Bank	These projects were part of the DOW Load Increase Project. Please see project need and description in Schedule M-1 and M-2.	Projects were determined to be the most cost effective way to resolve voltage issues in the area.	\$6,208,062	
260		HLP/00/0095/SB/0087	PE180010 JONES CREEK - Install 2nd 138kV 180mvar Cap Bank				
261		HLP/00/0095/SB/0087	PE180032 VELASCO - Install 2nd 138kV 120MVAR CB				

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262		HLP/000095/SB/0104	PE190004 VELASCO - Install 3rd 138kV Cap Bank				
263		HLP/000095/SB/0109	PE190044 WEST GALVESTON - Inst. 1 12kV SMVAR Reactor	These projects were part of the W. GALV INSTALL SMVAR REACTOR Project. Please see project need and description in Schedule M-1 and M-2.	Project(s) were determined to be the most economical option(s).	\$785,990	
264		HLP/000095/SB/0110	PE190055 STEWART - Replace 10mvar reactor with 5mvar reactor				
265		HLP/000095/SB/0111	PE190135 HARRISBURG - Remove&Relocate 12kV CapBank	These projects were part of the HEIGHTS-INSTALL CAP BANK Project. Please see project need and description in Schedule M-1 and M-2.	The relocation of a cap bank from Harrisburg to Heights was selected as a cost-effective option to mitigate low voltage seen in a breaker failure contingency.	\$338,041	
266		HLP/000095/SB/0111	PE190136 HEIGHTS - Install 12kV Cap Bank at TRF #1				
267		HLP/000095/SB/0112	PE200194 VILLAGE CREEK - Install(2) 14.4 kVAR Cap	This project was part of the VILLAGE CREEK CAP BANK Project. Please see project need and description in Schedule M-1 and M-2.	Based on the results of the steady state power flow analysis, Transmission Planning recommended installing additional capacitor banks at Village Creek substation to meet NERC Reliability Standards, ERCOT Transmission Planning Criteria, and CenterPoint Energy Transmission System Design Criteria.	\$635,223	
268		HLP/000130/SB/0039	PE210019 CEDAR BAYOU PLANT - Install 138kV Series Reactor	This project was part of the Upgrade CBY 138 kV Fault Current Project. Please see project need and description in Schedule M-1 and M-2.	The selected projects provided the best fault duty performance improvement when compared with other options.	\$2,045,736	
269		HLP/000095/SB/0117	PE220328 JONTE - INSTALL 138KV 20MVAR CAP BANK	This project was part of the JONTE -INSTALL 20MVAR CAP BANK Project. Please see project need and description in Schedule M-1 and M-2.	To resolve the voltage deviation concerns at Jonte and surrounding buses, a 20 MVAR capacitor bank was added to at Jonte substation.	\$1,092,870	
270		HLP/0001179/SB	PE220327 TANNER - INSTALL 3RD 100MVA TRANSFORMER & 2-35KV FEEDERS PLUS 4 CKTS	This project was part of the TANNER-ADD XFMR/2 FEEDERS Project. Please see project need and description in Schedule M-1 and M-2.	Distribution Planning evaluated several options and selected project(s) based on operational performance, economic efficiency, and construction feasibility.	\$5,888,605	
271		HLP/0001318/SB	PE230044 FAIRBANKS - INSTALL 10TH 35KV FEEDER	This project was part of the FAIRBANKS: ADD 10TH 35KV FEEDER Project. Please see project need and description in Schedule M-1 and M-2.	Distribution Planning evaluated several options and selected project(s) based on operational performance, economic efficiency, and construction feasibility.	\$327,342	
272		HLP/0001506/SB	PE220087 ANGLETON - UPGRADE TRANSFORMERS & CONVERT TO LOW PROFILE	This project was part of the ANGLETON-ADD 2 XFMRs AND 2 FEEDERS Project. Please see project need and description in Schedule M-1 and M-2.	This project was selected based on operational performance.	\$9,459,673	
273		HLP/0001507/SB	PE220093 THW - INSTALL 10TH 35KV FEEDER	This project was part of the THWHARTON- ADD 10TH FEEDER Project. Please see project need and description in Schedule M-1 and M-2.	Distribution Planning evaluated several options and selected project(s) based on operational performance, economic efficiency, and construction feasibility.	\$460,034	
274		HLP/0001578/SB	PE230043 SPRINGWOOD - INSTALL 138KV BKR STATION	These projects were part of the Rayford - Install 3rd transformer Project. Please see project need and description in Schedule M-1 and M-2.	Distribution Planning evaluated several options and selected project(s) based on operational performance, economic efficiency, and construction feasibility.	\$5,701,710	
275		HLP/0001578/SB	PE230046 ROTHWOOD - UPGRADE LINE RELAYING ON SPRINGWOOD CKTS				
276		HLP/0001417/SB	PE220095 TWINWOOD - BUILD NEW 35KV SUBSTATION	These projects were part of TWINWOOD - NEW 35KV SUBSTATION Project. Please see project	Distribution Planning evaluated several options and selected project(s) based on operational	CenterPoint Houston is currently drafting this	