#### SOAH DOCKET NO. 473-24-13232

### PUBLIC UTILITY COMMISSION OF TEXAS

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.	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.	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:	PUC RFI07-101	See Response to PUC RFI07-101	David Mercado / Mandie Shook / Eric Easton	None

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### PUBLIC UTILITY COMMISSION OF TEXAS

RFI number	Question	Response to Part a	Response to Part b etc	Sponsors	Responsive Documents
	<ul> <li>a. Please report the final total project cost by FERC Account for these projects.</li> <li>b. The need for these projects.</li> <li>c. How these projects were selected among possible alternatives.</li> <li>d. The initial budget for these projects.</li> <li>e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.</li> </ul>				
PUC-RFI07- 105	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.	See Response to PUC RFI07-102	See Response to PUC RFI07-102	David Mercado / Mandie Shook / Eric Easton	None
PUC-RFI07- 106	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:  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.	See Response to PUC RFI07-103	See Response to PUC RFI07-103	David Mercado / Mandie Shook / Eric Easton	None

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RFI number	Question	Response to Part a	Response to Part b etc	Sponsors	Responsive Documents
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 HILLJE - 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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RFI number	Question	Response to Part a	Response to Part b	Sponsors	Responsive Documents
			ett		
PUC-RFI07- 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 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- 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.	1 ''	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- 112	Please refer to Schedule M-3.1 under the project named "PE200289 HOC INSTALL LINE POS.FOR NEW GENERATOR (PES1) & 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.	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
	b. The need for this project.				

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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 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- 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 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-INSTALLDUAL 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 filling.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx		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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### PUBLIC UTILITY COMMISSION OF TEXAS

RFI number	Question	Response to Part a	Response to Part b etc	Sponsors	Responsive Documents
	<ul> <li>a. Please report the final total project cost by FERC Account for these projects.</li> <li>b. The need for these projects.</li> <li>c. How these projects were selected among possible alternatives.</li> <li>d. The initial budget for these projects.</li> <li>e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.</li> </ul>				
PUC-RFI07- 115	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:  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.	will be provided in a Supplemental filing.	PUC RFI07-076	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07- 116	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:  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.	will be provided in a Supplemental filing.		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
			ett		
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		Attachment PUC RFI07-075 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.	a Supplemental	See Attachment PUC RF107-076 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- <b>11</b> 9	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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RFI number	Question	Response to Part a	Response to Part b etc	Sponsors	Responsive Documents
	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- 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.	will be provided in		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.	1		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:	· '	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
	<ul> <li>a. Please report the final total project cost by FERC Account for these projects.</li> <li>b. The need for these projects.</li> <li>c. How these projects were selected among possible alternatives.</li> <li>d. The initial budget for these projects.</li> <li>e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.</li> </ul>				
PUC-RFI07- 123	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 FEEDERS", "PE220089 AIRLINE - INSTALL 12TH 12KV FEEDERS", "PE220089 AIRLINE - INSTALL 3RD TRANSFORMER & 3-12 KV FEEDERS." 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- 124	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:  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.	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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## 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
	e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.					
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.	:	l '			Attachment PUC RFI07-075 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 BASE & REPL RTU (AP)", "PE170067 BASE - 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.	-	l '	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.		l '	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
	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- 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 RFI07-075 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 RF107-076 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- 130	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:  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.	a Supplemental	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	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:  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.	a Supplemental	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	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:	a Supplemental	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
	<ul> <li>a. Please report the final total project cost by FERC Account for this project.</li> <li>b. The need for this project.</li> <li>c. How this project was selected among possible alternatives.</li> <li>d. The initial budget for this project.</li> <li>e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them</li> </ul>				
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 RFI07-075 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	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:  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.	a Supplemental	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-075 through 07-180 Part b etc.xlsx
PUC-RFI07- 136	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", "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:  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
	<ul> <li>c. How these projects were selected among possible alternatives.</li> <li>d. The initial budget for these projects.</li> <li>e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.</li> </ul>				
PUC-RFI07- 137	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:  a. Please report the final total project cost by FERC Account for this project.	1 '	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-075 through 07-180 Part b etc.xlsx

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	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- 138	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:  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- 139	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:  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- 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.xisx	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 - UGRADE LINE RELAYING ON CKT TO JONTE", "PE220067 HARDY - UPGRAD CARRIER ON CKT TO JONTE", and "PE220068 CROSBY - UPGRAD 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.xisx		Attachment PUC RFI07-075 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 I)", "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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	<ul> <li>a. Please report the final total project cost by FERC Account for these projects.</li> <li>b. The need for these projects.</li> <li>c. How these projects were selected among possible alternatives.</li> <li>d. The initial budget for these projects.</li> <li>e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.</li> </ul>				
PUC-RFI07- 143	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:  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.	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	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:  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- 145	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", "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:  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 RFI07-075 through 07-180 Part b etc.xlsx
PUC-RFI07- 146	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:  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- <b>1</b> 47	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 RFI07-075 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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	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.				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-	Please refer to Schedule M-3.1 under the project named "PE190063	This information	See Attachment	David Mercado /	Attachment PUC RFI07-076
150	PARKWAY - INSTALL 7TH & 8TH 12KV FEEDERS (BP)." Please provide the following information regarding this project:  a. Please report the final total project cost by FERC Account for this project.	will be provided in a Supplemental filing.	PUC RFI07-076 through 07-180 Part b etc.xlsx	Mandie Shook / Eric Easton	through 07-180 Part b etc.xlsx
	<ul> <li>b. The need for this project.</li> <li>c. How this project was selected among possible alternatives.</li> <li>d. The initial budget for this project.</li> <li>e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.</li> </ul>				
PUC-RFI07- 151	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:  a. Please report the final total project cost by FERC Account for this project.	This information will be provided in a Supplemental filing.		David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
	<ul> <li>b. The need for this project.</li> <li>c. How this project was selected among possible alternatives.</li> <li>d. The initial budget for this project.</li> <li>e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.</li> </ul>				

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PUC-RFI07- 152	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:  a. Please report the final total project cost by FERC Account for this project.	· '	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
	<ul> <li>b. The need for this project.</li> <li>c. How this project was selected among possible alternatives.</li> <li>d. The initial budget for this project.</li> <li>e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.</li> </ul>				
PUC-RFI07- 153	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:  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.	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 RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07- 154	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:  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 filling.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-075 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- 155	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:  a. Please report the final total project cost by FERC Account 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
	<ul> <li>b. The need for this project.</li> <li>c. How this project was selected among possible alternatives.</li> <li>d. The initial budget for this project.</li> <li>e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.</li> </ul>				
PUC-RFI07- 156	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:  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	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	Houston resolved them.  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:  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 filling.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-075 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- 158	Please refer to Schedule M-3.1 under the projects named "PE200103 HILLJE CONVERT 345KV SWITCHYARD TO BKR AND A HALF (BP)", "PE200109 STP - UPGRADE CARRIER ON HILLJE CIRCUITS", and "PE200110 WAP - UPGRADE CARRIER ON HILLJE 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 RFI07-075 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	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:  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.	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	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:  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.	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.xisx
PUC-RFI07- 163	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:  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.	will be provided in a Supplemental filling.	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- 164	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:  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.	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	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:  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.	will be provided in a Supplemental filing.		David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
PUC-RFI07- 166	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:  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.	will be provided in a Supplemental filling.	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

### SOAH DOCKET NO. 473-24-13232

### PUBLIC UTILITY COMMISSION OF TEXAS

RFI number	Question		Response to Part a	Response to Part b etc	Sponsors	Responsive Documents
		┪				
PUC-RFI07- 167	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:  a. Please report the final total project cost by FERC Account for this project.		This information will be provided in a Supplemental filling.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-075 through 07-180 Part b etc.xlsx
	<ul> <li>b. The need for this project.</li> <li>c. How this project was selected among possible alternatives.</li> <li>d. The initial budget for this project.</li> <li>e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.</li> </ul>					
PUC-RFI07- 168	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:  a. Please report the final total project cost by FERC Account for this project.		This information will be provided in a Supplemental filing.		David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
	<ul> <li>b. The need for this project.</li> <li>c. How this project was selected among possible alternatives.</li> <li>d. The initial budget for this project.</li> <li>e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.</li> </ul>					
PUC-RFI07- 169	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:		This information will be provided in a Supplemental filling.	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx		Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
	<ul> <li>a. Please report the final total project cost by FERC Account for these projects.</li> <li>b. The need for these projects.</li> <li>c. How these projects were selected among possible alternatives.</li> <li>d. The initial budget for these projects.</li> </ul>					

### SOAH DOCKET NO. 473-24-13232

### PUBLIC UTILITY COMMISSION OF TEXAS

RFI number	Question	Response to Part a	Response to Part b etc	Sponsors	Responsive Documents
	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.	will be provided in a Supplemental filling.		David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-075 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.	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

#### 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
	e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.				
PUC-RFI07- 173	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:  a. Please report the final total project cost by FERC Account for this project.		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
	<ul> <li>b. The need for this project.</li> <li>c. How this project was selected among possible alternatives.</li> <li>d. The initial budget for this project.</li> <li>e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.</li> </ul>				
PUC-RFI07- <b>17</b> 4	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:  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
	<ul> <li>e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.</li> </ul>				
PUC-RFI07- 175	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:	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
	<ul> <li>a. Please report the final total project cost by FERC Account for this project.</li> <li>b. The need for this project.</li> <li>c. How this project was selected among possible alternatives.</li> <li>d. The initial budget for this project.</li> </ul>				

#### 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
	e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.	r				
PUC-RFI07- 176	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:  a. Please report the final total project cost by FERC Account for this project.		a Supplemental	See Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx		Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
	<ul> <li>b. The need for this project.</li> <li>c. How this project was selected among possible alternatives.</li> <li>d. The initial budget for this project.</li> <li>e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.</li> </ul>	-				
PUC-RFI07- 177	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:  a. Please report the final total project cost by FERC Account for this project.  b. The need for this project.	֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	will be provided in a Supplemental	1	David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
	<ul> <li>c. How this project was selected among possible alternatives.</li> <li>d. The initial budget for this project.</li> <li>e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.</li> </ul>					
PUC-RFI07- 178	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:		will be provided in		David Mercado / Mandie Shook / Eric Easton	Attachment PUC RFI07-076 through 07-180 Part b etc.xlsx
	<ul><li>a. Please report the final total project cost by FERC Account for this project.</li><li>b. The need for this project.</li><li>c. How this project was selected among possible alternatives.</li><li>d. The initial budget for this project.</li></ul>					

#### SOAH DOCKET NO. 473-24-13232

#### PUBLIC UTILITY COMMISSION OF TEXAS

RFI number	Question	Response to Part a	Response to Part b etc	Sponsors	Responsive Documents
	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.		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

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1										
3	This file starts with 9	Schedule M-3.1 in columns A throu	iah l							
4	displays the corresp	onding PUC RFI set 07 question n								
		h Q, and adds responses to								
	the RFIs for partsb	etc starting in column S.								
8										
8 9			101						· Pr	1451
19	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(1D)
11				(b) Estimated	(c) Estimated	(d) First MCPR	Final Updated			(f) Last MCPR
11	Projects Submitted to ERCOT RPG	WBS#	(a) Project Name (with CCN Docket No., if Any)	of ERCOT	Costs in First	Where Project	Costs in MCPR	MCPR Where Cost Updated	(e) Final Total Project Costs	Where Project
1	to Encor Airo		7.19)	Review (if Any)	MCPR Entry*	Appeared	Entry	Cost opaatou	110,000 00303	Appeared
11				, ,,						
12			Ι			ı				
11										
11										
11		HLP/00/1115/SB/0002	PE190001 Install 3rd 800MVA Auto		N/A	N/A	N/A	N/A		N/A
11		HLP100/1113/5B/0002	Transformer (BP)		1904	1904	INCA	1900		DICA
[]									544,125,759	
13			PE190012 Loop 345kV STP/DOW CKT #27							<del></del>
14		HLP/DD/1115/SB/0005	Into Jones Creek (BP)		N/A	N/A	N/A	N/A		N/A
$I^{-1}$										
11		HLP/DD/1116/SB/0003	PE190013 4th 138kV, 120MVAR Cap Bank and (2) Automatic Cap Banks		N/A	N/A	N/A	N/A		N/A
15			and (2) haromatic cap banks							
П			PE180030 SOUTHWYCK - RECONFIGURE							
11		HLP/00/1114/SB/0001	& UPGRADE 138KV CKT #05 LOOP BUS		N/A	N/A	N/A	N/A		N/A
16			(BP)							
П		HLP/00/1114/SB/0001	PE180151 HOC - Upgrade Line Relaying &		N/A	N/A	N/A	N/A	51,374,414	N/A
17		HEF/BB/1114/SB/GGG1	Carrier on 138kV CKT #26 to Karsten		11073	1003	1907	1000		INC
11		HLP/DD/1114/SB/0001	PE18D152 KARSTEN - Upgr Line Relaying & Carrier on 138kV CKT #26 to HOC & Repl		N/A	N/A	N/A	N/A		N/A
18			RTU							
19		HLP/DD/0997/SB/0004	PE190056 BIG CREEK - BUILD NEW 138/12KV SUBSTATION (BP)		N/A	N/A	N/A	N/A		N/A
Н		LU DIDDEGODTEDEGOT	PE190042 DAMON - CONVERT TO 138KV		NUO	NUO	NO	N/A		11/1
20		HLP/DD/0997/SB/00D7	OPERATION (BP) _		N/A	N/A	N/A	NJA		N/A
21		HLP/00/1349/SB	PE190043 West Columbia - Convert to 138kV Operation		N/A	N/A	N/A	N/A		N/A
П		HLP/00/0997/SB/0003	PE200020 NEEDVILLE - BUILD NEW		N/A	N/A	N/A	N/A		N/A
22			138/12KV SUBSTATION FI							
23		HLP/DD/0997/SB/D005	PE200021 FORT BEND - CONVERT CKT #45 TO 138KV OPERATION		N/A	N/A	N/A	N/A	534,457,996	N/A
П			PE20022 WEST COLUMBIA - CONVERT							
2.4		HLP/00/0997/SB/0009	CKT #45 TO 138KV OPERATION		N/A	N/A	N/A	N/A		N/A
71			PE2DD023 WAP - REPLACE CARRIER		****					<b>—</b>
25		HLP/00/0997/SB/0001	EQUIPMENT CKT #D2 TO W. COL		N/A	N/A	N/A	N/A		N/A
		HLP/00/0997/SB/0006	PE200024 TEXWES - DISCONNECT CUSTOMER SUB & CONV TO		N/A	N/A	N/A	N/A		N/A
26		INCENSIONAL PROPERTY OF THE PR	DISTRIBUTION SERVICE		IN/A	INA	IN/A	INA		N/A
П			PE200100 DEEPWATER - RECONNECT							
,,		HLP/DD/1408/SB/D002	138KV SWITCHYARD & INSTALL 800 MVA		N/A	N/A	N/A	N/A		N/A
Н			AUTO TRE							
		HLP/00/1408/SB/0001	PE2DD101 DEEPWATER - UPGRADE 138KV YARD FAULT DUTY TO 8DKA (AP)		N/A	N/A	N/A	N/A	\$11,206,276	N/A
28			PE200133 LYDELL - INSTALL 2ND FIBER							
		HLP/DD/1408/SB/D002	OPTIC CABLE ON CKT #70 TO		N/A	N/A	N/A	N/A		N/A
29			DEEPWATER		* *	***				
			PE210029 JORDAN - INSTALL 3RD 800MVA AUTO TRF / PE210033 JORDAN -							
		HLP/DD/1416/SB/D003	LOOP 345KV CKT #97 TO		N/A	N/A	N/A	N/A		N/A
30			CHAMBERS/KING							
11		HLP/00/1416/SB/0001	PE210030 JORDAN - UPGRADE 138KV		N/A	N/A	N/A	N/A		N/A
51			YARD TO 80KA							

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4 5 6 7 8	4 displays the corresponding PUC RFI set 07 question numbers 5 in columns 0 through Q, and adds responses to 6 the RFIs for parts bletc starting in column \$. 7 8											
10	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(1D)		
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		
32		HLP/DD/1416/SB/0002	PE210031 CHAMBERS - UPGRADE CARRIER ON CKT #97 TO JORDAN (WAS KING)		N/A	N/A	N/A	N/A	S21,731,515	N/A		
33		HLP/00/1416/SB/0002	PE210032 KING - UPGRADE CARRIER ON CKT #97 TO JORDAN (WAS CHAMBERS)		N/A	N/A	N/A	N/A		N/A		
34		HLP/00/0055/SB/0142	PE220008 PLACID - INSTALL SCADA SET AT NEW CUSTOMER SUB		N/A	N/A	N/A	N/A		N/A		
35		HLP/00/0055/SB/0142	PE220009 RIGBY - INSTALL DUAL FIBER OPTIC CABLES ON CKT #86 TO PLACID		N/A	N/A	N/A	N/A		N/A		

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1										
$\frac{2}{3}$	This Sie -44 6	Schedule M-3.1 in columns A throu	I							
		onding PUC RFI set 07 question n								
		h Q, and adds responses to								
6		to starting in column S.								
7										
8										
10	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
H	1.0	(2)	(9)		(9)	107	117	,0,	157	(10)
				(b) Estimated	(c) Estimated	(d) First MCPR	Final Updated			(f) Last MCPR
11	Projects Submitted	WBS#	(a) Project Name (with CCN Docket No., if		Costs in First	Where Project	Costs in MCPR	MCPR Where	(e) Final Total	Where Project
11	to ERCOT RPG		Any)	of ERCOT Review (if Any)	MCPR Entry*	Appeared	Entry	Cost Updated	Project Costs	Appeared
11				Review (II wily)						
			PE220012 JORDAN - INSTALL NEW LINE							
1,,		HLP/DD/1425/SB/0001	POSITION FOR 138KV CKT TO WINFRE		N/A	N/A	N/A	N/A		N/A
36			PE220013 MONT BELVIEU - INSTALL LINE							
11		HLP/00/1425/SB/0001	POSITION FOR NEW 138KV CKT TO		N/A	N/A	N/A	N/A		N/A
37		1121 7441 112010 210001	LNGSTN							
П			PE220014 DALTON - UPGRADE LINE							
		HLP/DD/1425/SB/0001	RELAYING ON MONT BELVIEU CKT (WAS		N/A	N/A	N/A	N/A		N/A
38			WINFRE) PE220015 WINFRE - UPGRADE LINE							
		HLP/00/1425/SB/0001	RELAYING ON EAGLE CKT (WAS		N/A	N/A	N/A	N/A		N/A
39			LANGSTON)				***			
$\Box$			PE220016 WINFRE - UPGRADE LINE							h105
40		HLP/DD/1425/SB/00D1	RELAYING ON JORDAN CKT (WAS DALTON)		N/A	N/A	N/A	N/A		N/A
40			PE220017 LNGSTN - UPGRADE LINE						98,147,756	
11		HLP/00/1425/SB/0001	RELAYING ON CHEVRON CKT (WAS		N/A	N/A	N/A	N/A	,	N/A
41			WINFRE)							
			PE220018 EAGLE - UPGRADE LINE							
اددا		HLP/DD/1425/SB/D001	RELAYING ON WINFRE CKT (WAS CHEVRON)		N/A	N/A	N/A	N/A		N/A
72			PE220019 CHEV - UPGRADE LINE							
11		HLP/00/1425/SB/0001	RELAYING ON LANGSTON CKT (WAS		N/A	N/A	N/A	N/A		N/A
4.3			EAGLE)							
		HLP/00/1425/SB/0001	PE220020 CHEV - UPGRADE CBY CKT86		N/A	N/A	N/A	N/A		N/A
44			TO MIN 669WVA EMER RATING PE220022 CEDAR BAYOU PLANT -							
11		HLP/00/1425/SB/0001	UPGRADE CHEVRON CKT86 TO MIN		N/A	N/A	N/A	N/A		N/A
45			669MVA EMER RATING							
		HLP/00/1425/SB/0001	PE220023 WARVUE - UPGRADE LINE		N/A	N/A	N/A	N/A		N/A
46			RELAYING ON CKT TO MONT BELVIEU PE200221 WALLIS - UPGRADE 138KV							
47		HLP/00/1412/SB/0003	CKT65 LOOP BUS TO 4000A (AP)		N/A	N/A	N/A	N/A		N/A
		LU DADOMAN DER MORA	PE200233 EAST BERNARD - UPGRADE		NZA	NZA	NIGA	N/A		NIGA
48		HLP/DD/1412/SB/0001	138KV CKT65 TO GEBHRT TO 4000A		N/A	N/A	N/A	NUA	\$1,682,716	N/A
		HLP/DD/1399/SB	PE220054 SEALY - UPGRADE 138KV		N/A	N/A	N/A	N/A	,,- 10	N/A
49			CKT65 LOOP BUS TO 4000A PE220055 PETERS - UPGRADE 138KV							
50		HLP/00/1399/SB	CKT65 TO GEBHRT TO 4000A		N/A	N/A	N/A	N/A		N/A
			PE200207 ANGLETON - UPGRADE CKT04							
1		HLP/DD/1236/SB	TO WEST COLUMBIA TO 368MVA (BP)		N/A	N/A	N/A	N/A		N/A
51			PE200208 WEST COLUMBIA - UPGRADE							
		HLP/00/1235/SB	CKT04 TO WEST COLUMBIA TO 368MVA		N/A	N/A	N/A	N/A		N/A
52			(BP)						\$1,906,843	
П			PE220097 ANGLETON - UPGRADE CKT D4						21,000,043	
$  \cdot  $		HLP/DD/0922/SB/0014	TO WEST COLUMBIA TO 400DA		N/A	N/A	N/A	N/A		N/A
20			CONTINUOUS RATING PE220098 WEST COLUMBIA - UPGRADE							
		HLP/00/1235/SB/0001	CKT 04 TO ANGLETON TO 4000A		N/A	N/A	N/A	N/A		N/A
54			CONTINUOUS RATING							
$\Box$										
		HLP/00/0922/SB/0016	PE23D005 HITCHCOCK - UPGRADE 138KV CKT 93 LOOP TO 4D00A		N/A	N/A	N/A	N/A	\$543,217	N/A
55			GRI 93 LOOP TO 4000A						43.5,21	
Н			PE230008 Flewellen - UPGRADE 138KV							
		HLP/00/1413/SB	PETERS CKT 25 TO 4000A CONTINUOUS		N/A	N/A	N/A	N/A		N/A
56			RATING						P4 3D4 027	

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2	This file starts with S	Schedule M-3.1 in columns A throu	igh L.							
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6 7	the Kristor parts be	etc starting in column S.								
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9	245	(2)	2003	(4)	751		.7:	/D)	(9)	(10)
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11				(b) Estimated	(c) Estimated	(d) First MCPR	Final Updated			(f) Last MCPR
11	Projects Submitted to ERCOT RPG	WBS#	(a) Project Name (with CCN Docket No., if Any)	of ERCOT	Costs in First	Where Project	Costs in MCPR	MCPR Where Cost Updated	(e) Final Tutal Project Costs	Where Project
				Review (if Any)	MCPR Entry*	Appeared	Entry		,	Appeared
11			PE230009 Peters - UPGRADE 138KV						01,201,007	
11		HLP/DD/1413/SB/0001	FLEWELLEN CKT25 TO 4000A		N/A	N/A	N/A	N/A		N/A
57			CONTINUOUS RATING							
58		HLP/DD/0496/SB/0004	PE230024 THW - CKT29A1: UPGRADE THW EQ		N/A	N/A	N/A	N/A		N/A
П		HLP/00/0496/SB/0005	PE230025 LITTLE YORK - CKT29A1:		N/A	N/A	N/A	N/A		N/A
59			UPGRADE LITTTLE YORK EQ PE230026 WHITE OAK - CKT29A2:						\$6,288,151	
60		HLP/00/0496/SB/0006	UPGRADE WHITE OAK EQ		N/A	N/A	N/A	N/A		N/A
$\Box$		HLP/DD/0496/SB/0004	PE230027 BAMMEL - UPGRADE CARRIER		N/A	N/A	N/A	N/A		N/A
61			ON THW CKT 81 PE220230 GYPSUM - EXTEND 138KV							
11		HLP/00/1128/SB	TRANSMISSION SERVICE TO NEW		N/A	N/A	N/A	N/A		N/A
62			CUSTOMER-OWNED SPER STONE							
6.3		HLP/00/1128/SB/0004	PE220311 CLINTON - 138KV BREAKER STATION		N/A	N/A	N/A	N/A		N/A
П			PE220312 GALENA PARK - MOVE							
11		HLP/DD/1128/SB/0001	DISTRIBUTION LOAD TO 138KV 8 REMOVE 69/138KV SWITCHYAR		N/A	N/A	N/A	N/A		N/A
64			FACILITES						\$19,865,818	
П			PE220313 GREENS BAYOU -							
11		HLP/00/1128/SB/0002	RECONFIGURE ®KV SWITCHYARD & UPGRADE CARRIER ON ®KV CLINTON		N/A	N/A	N/A	N/A		N/A
65			скт							
66		HLP/DD/1128/SB	PE220314 NINTH - UPGRADE RELAYING		N/A	N/A	N/A	N/A		N/A
99			ON 138KV CLINTON CKT PE220315 ANBUSH - UPGRADING		1110	1110		1110		
67		HLP/00/1128/SB	RELAYING ON 138KV CLINTON CKT		N/A	N/A	N/A	N/A		N/A
11										
11			PE22D048 STONE LAKE - BUILD NEW							
11		HLP/DD/13D6/SB	138/35KV SUBSTATION & (2) 14.4 MVAR		N/A	N/A	N/A	N/A		N/A
11			CAP BANKS							
68									521,653,042	
П									021,000,042	
11										
11		HLP/DD/13D6/SB	PE220049 HOCKLEY - UPGRADE CKT 66		N/A	N/A	N/A	N/A		N/A
			TO TOMBALL							
69										l
П			PE220078 BUILD NEW 345KV							
		HLP/DD/1491/SB	SWITCHYARD TO CONNECT NEW		N/A	N/A	N/A	N/A	513,180,252	N/A
$  _{m} $			GENERATOR							
79		LUI DIDOM ADDITO	PE220026 WOLF BUILD NEW 345KV BKR		6114	6114		NI O		NC.
71		HLP/00/1492/SB	& 1/2 SWITCHYARD		N/A	N/A	N/A	N/A		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	\$13,792,269	N/A
H		HLP/00/1492/SB	PE220027 WAP INSTALL POTT SCHEME		N/A	N/A	N/A	N/A		N/A
73		TICL YOU 140200	ON 345KV CKT #64 TO WOLF							
74		HLP/00/1493/SB	PE220028 BLUE - BUILD NEW 345KV BKR & 1/2 SWITCHYARD		N/A	N/A	N/A	N/A		N/A
		HLP/DD/1493/SB	PE220029 BAILEY - INSTALL POTT		N/A	N/A	N/A	N/A	516,388,080	N/A
75			SCHEME ON 345KV CKT #72 TO BLUE							

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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
76		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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5	displays the correspo in columns O through	Schedule M-3.1 in columns A throu onding PUC RFI set 07 question n h Q, and adds responses to to starting in column \$.								
10	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(1D)
11	Projects Submitted to ERCOT RPG	₩BS#	(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
//		HLP/00/1497/SB	PE220031 HUNGERFORD - BUILD NEW 138KV BKR & 1/2 SWITCHYARD		N/A	N/A	N/A	N/A		N/A
78		HLP/00/1497/SB	PE22D032 DYANN - UPGRADE LINE RELAYING ON CKT 8D TO HUNGERFORD		N/A	N/A	N/A	N/A		N/A
19		HLP/DD/1497/SB	PE220033 DYANN - UPGRADE LINE RELAYING ON CKT 60 TO SOUTH LANE CITY		N/A	N/A	N/A	N/A	\$10,509,804	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	210,308,804	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		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	\$8,66D,059	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		N/A
87		HLP/DD/15D1/SB	PE220070 ANGLETON - UGRADE LINE RELAYING ON CKT 04 TO DANBURY		N/A	N/A	N/A	N/A		N/A
88		HLP/00/1501/SB	PE220071 PETSON - UGRADE 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	59,666,836	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	32,333.00	N/A
91		HLP/DD/15D1/SB	PE220076 WEBSTER - INSTALL POTT RELAY SCHEME ON 138KV CKT TO HUDSON		N/A	N/A	N/A	N/A		N/A
92		HLP/00/15D1/SB	PE220212 LIVERPOOL - ROUTE FIBER INTO CONTROL CUBICLET		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
93		HLP/DD/1516/SB	PE22D103 ANGLETON-INSTALL LINE POSITION FOR NEW GENERATOR (MARK ONE)		N/A	N/A	N/A	N/A		N/A
94		HLP/00/1516/SB	PE220104 ANGLETON-UPGRADE 138 KV CKT 26 TO KARSTEN TO MIN 384 MVA EMERGENCY		N/A	N/A	N/A	N/A	S2,671,429	N/A
95		HLP/DD/1516/SB	PE22D105 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/00/1516/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/00/1266/SB	PE190053 GARTH - BUILD NEW 138/12KV SUBSTATION (AP)Π		N/A	N/A	N/A	N/A		N/A
98		HLP/DD/1266/SB	PE190058 HANEY - MODIFY 138KV SECTIONALIZING SCHEWE (AP)		N/A	N/A	N/A	N/A	513,786, <del>55</del> 6	N/A
99		HLP/DD/1266/SB	PE190287 BAYTOWN - INSTALL DER TRANSFER TRIP		N/A	N/A	N/A	N/A		N/A
100		HLP/00/1250/SB	PE190052 LAKE HOUSTON BUILD NEW 138/35KV SUBSTATION (AP)		N/A	N/A	N/A	N/A		N/A
101		HLP/DD/125D/SB	PE190061 KINGWOOD - MODIFY 138KV SECTIONALIZING SCHEME (AP)		N/A	N/A	N/A	N/A	S 12,582,059	N/A
102		HLP/00/1308/SB	PE210065 WORTHAM BUILD NEW 138/35KV SUBSTATION		N/A	N/A	N/A	N/A	S7,968,126	N/A
103		HLP/DD/1389/SB	PE200037 BURKE - BUILD NEW 138KV SWITCHYARD _		N/A	N/A	N/A	N/A	56,622,806	N/A
104		HLP/DD/1454/SB	PE210088 EAGLE NEST BUILD NEW 138KV SWITCHYARD TO CONNECT NEW GENERATORN		N/A	N/A	N/A	N/A		N/A
105		HLP/00/1454/SB	PE210071 BURKE INSTALL POTT RELAY SCHEME ON CKT 02 TO EAGLE NEST		N/A	N/A	N/A	N/A	59,486,978	N/A
106		HLP/DD/1454/SB	PE210072 WEST COLUMBIA INSTALL POTT RELAY SCHEME ON CKT 02 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 #88 to Baytown (BP)		N/A	N/A	N/A	N/A		N/A
108		HLP/00/1216/SB/0003	PE18D148 BAYTOWN Upgrade Relaying on CKT #87 to MILLER (BP)		N/A	N/A	N/A	N/A	S1,0D4,993	N/A
109		HLP/DD/1262/SB	PE190034 REFUGE - BUILD NEW 345KV SWITCHYARD (AP)		N/A	N/A	N/A	N/A	\$15,641,5 <b>4</b> 5	N/A
110		HLP/00/1338/SB	PE19D152 GREENS BAYOU RECONFIGURE 138KV YARD (AP)		N/A	N/A	N/A	N/A		N/A
111		HLP/00/1338/SB	PE19D153 ANBUSH UPGRADE RELAYING ON 138KV CKT #08 TO GBY (AP)		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
112		HLP/DD/1338/SB	PE19D121 WHITE OAK REPLACE LINE PANEL ON 138KV CKT #03 TO GREENS BAYOU (AP)		N/A	N/A	N/A	N/A	\$10,075,0 <b>39</b>	N/A
113		HLP/00/1338/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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10	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(1D)
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 Tutal Project Costs	(f) Last MCPR Where Project Appeared
114		HLP/00/1345/SB	PE200040 LIMBURG Limburg Substation (SUB) Build new 138kV		N/A	N/A	N/A	N/A	044 505 450	N/A
115		HLP/00/1345/SB	PE2DD041 SOUTHWYCK UPGRADE 138KV LINE SECTIONALIZING SCHEME		N/A	N/A	N/A	N/A	\$11, <del>5</del> 05,152	N/A
116		HLP/DD/1336/SB	PE190049 BLODGETT CONVERT TO 138KV OPERATION (AP)		N/A	N/A	N/A	N/A	59,540,474	N/A
117		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	\$3,366,022	N/A
118		HLP/DD/1518/SB/00D3	PE220101 HOC RELOCATE 138 KV CKT 05 TO WEBSTER		N/A	N/A	N/A	N/A	\$1 <b>.887.74</b> 5	N/A
119		HLP/DD/1518/SB/00D3	PE220102 WEBSTER UPGRADE LINE RELAYING ON CKT 05 TO HOC		N/A	N/A	N/A	N/A	31,001,749	N/A
120		HLP/DD/1424/SB/00D1	PE210050 PEARLAND INSTALL 138 KV. 40 MVAR CAP BANK_		N/A	N/A	N/A	N/A		N/A
121		HLP/00/1424/SB/0001	PE220042 MYKAWA BUILD NEW 138KV BKR & 1/2 SWITCHYARD		N/A	N/A	N/A	N/A		N/A
122		HLP/DD/1424/SB/00D1	PE220043 COUGAR UPGRADE CARRIER EQUIPMENT ON CKT TO MYKAWA		N/A	N/A	N/A	N/A	\$31, <b>32</b> 6,763	N/A
123		HLP/DD/1424/SB/00D1	PE220045 PHR UPGRADE CARRIER EQUIPMENT ON CKT TO MYKAWA		N/A	N/A	N/A	N/A	001,020,700	N/A
124		HLP/00/1424/SB/0001	PE220046 PLAZA UPGRADE CARRIER EQUIPMENT ON CKT TO MYKAWA		N/A	N/A	N/A	N/A		N/A
125		HLP/DD/0017/SB	PE22D318 MYKAWA BUILD NEW DUAL VOLTAGE DISTRIBUTION SUB 35kV & 12kV		N/A	N/A	N/A	N/A		N/A
126		HLP/00/1426/SB/0001	PE200289 HOC INSTALL LINE POS.FOR NEW GENERATOR (PES1) & UPG.CKT 90 TO GARROTT		N/A	N/A	N/A	N/A	S1,788,979	N/A

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11	Projects Submitted	WBS#		Costs at the Time	Costs in First	Where Project	Costs in MCPR	MCPR Where	(e) Final Total	Where Project
11	to ERCOT RPG		Any)	of ERCOT Review (if Any)	MCPR Entry*	Appeared	Entry	Cost Updated	Project Costs	Appeared
11				Review (II Ally)						
П			PE200209 STRANG UPGRADE RELAYING							
1		HLP/DD/1414/SB/0002	AND CARRIER ON CKT87 TO CEDAR		N/A	N/A	N/A	N/A		N/A
127			PE200210 CEDAR BAYOU PLANT							
11		HLP/00/1414/SB/0002	UPGRADE RELAYING AND CARRIER ON		N/A	N/A	N/A	N/A		N/A
128		THE POST INTIMODIOUSE	CKT87 TO STRANG			1,,,,				·•··
$\sqcap$			PE200211 QUANUM UPGRADE RELAYING							
1,		HLP/DD/1414/SB/0005	AND CARRIER ON CKT85 TO CEDAR		N/A	N/A	N/A	N/A		N/A
129			BAYOU							
		HLP/00/1414/SB/0005	PE200212 CEDAR BAYOU PLANT UPGRADE RELAYING AND CARRIER ON		N/A	N/A	N/A	N/A		N/A
130		753 1414000000	CKT85 TO QUANUM		13005	1300	l	1,200		' <b></b> ''
П			PE200213 BAYOU UPGRADE RELAYING							
11		HLP/DD/1414/SB/0001	AND CARRIER ON CKT79 TO MORGANS		N/A	N/A	N/A	N/A		N/A
131			POINT						54,165,161	
11			PE200214 MORGANS POINT UPGRADE RELAYING AND CARRIER ON CKT79 TO						34,105,101	
11		HLP/DD/1414/SB/0006	BAYOU, PRE-INSTALLDUAL FIBER		N/A	N/A	N/A	N/A		N/A
132			CABLES							
		HLP/00/1414/SB/0010	PE200215 CHORIN INSTALL DUAL FIBER		N/A	N/A	N/A	N/A		N/A
133			ON CKT87 TO SRB PE200216 SRB UPGRADE WAVE TRAP ON							
134		HLP/DD/1414/SB/0004	CKT87 TO CHORIN		N/A	N/A	N/A	N/A		N/A
1			PE200217 CEDAR BAYOU PLANT							
11		HLP/00/1414/SB/0007	UPGRADE RELAYING AND CARRIER ON		N/A	N/A	N/A	N/A		N/A
135			CKT84 TO HOPSON							
11		LUI DIDOMANA MADAGAT	PE200218 HOPSON UPGRADE RELAYING		N110	NUO	N/A	N/A		
136		HLP/DD/1414/SB/0007	AND CARRIER ON CKT84 TO CEDAR BAYOU		N/A	N/A	N/A	NIA		N/A
1			PE200219 DECKER UPGRADE CKT83 TO							
137		HLP/DD/1414/SB/0009	CEDAR BAYOU TO 498MVA		N/A	N/A	N/A	N/A		N/A
		HLP/00/0130/SB/0025	PE190047 HOC - Install 138kV Series		N/A	N/A	N/A	N/A		N/A
138			Reador (BP)							
149		HLP/DD/013D/SB/0037 or HLP/DD/013D/SB/0036	PE190048 WAP - Install 138kV Series Reactors (BP)		N/A	N/A	N/A	N/A		N/A
F			PE190074 BRITMOORE - UPGRADE						640 000 440	
		HLP/00/0130/SB/0037	CARRIER EQUIPMENT ON 138KV CKT #09		N/A	N/A	N/A	N/A	510,083,148	N/A
140			TO WAP (BP)							
		HLP/DD/013D/SB/0037	PE190075 FORT BEND - REMOVE CARRIER EQUIPMENT ON 138KV CKT #09		N/A	N/A	N/A	N/A		N/A
141		HCH/DD/013D/SB/003/	TO WAP (BP)		NUA	NUA	N/A	N/A		N/A
т			PE220236 WATERHOLE BUILD NEW CNP							
		HLP/00/1571/SB	345KV BKR-8-1/2 INTERCONNECTION		N/A	N/A	N/A	N/A		N/A
142			SWITCHYARD							
143		HLP/00/1571/SB	PE220237 BAILEY UPGRADE LINE		N/A	N/A	N/A	N/A	\$537,976	N/A
143			RELAYING ON CKT62 TO WATERHOLE							<u> </u>
		HLP/DD/1571/SB	PE220238 JONES CREEK UPGRADE LINE		N/A	N/A	N/A	N/A		N/A
144			RELAYING ON CKT62 TO WATERHOLE							
П										
			PE220319 GULFTIE BUILD NEW CNP							
		HLP/DD/1577/SB	138KV BKR-&-1/2 INTERCONNECTION		N/A	N/A	N/A	N/A	511,680,352	N/A
1			SWITCHYARD							
145										

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7	the RFIs for parts be	tc starting in column S.								
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10	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(1D)
П				(b) Estimated						
11	Projects Submitted	WBS#	(a) Project Name (with CCN Docket No., if	Costs at the Time	(c) Estimated Costs in First	(d) First MCPR Where Project	Final Updated Costs in MCPR	MCPR Where	(e) Final Total	(f) Last MCPR Where Project
11	to ERCOT RPG	VILIA	Any)	of ERCOT	MCPR Entry*	Appeared	Entry	Cost Updated	Project Costs	Appeared
11				Review (if Any)		7 10 2 4 4 4 4	,			
$\blacksquare$			DECOMOS MANOTH LIDADADE LILIDADA							
11		HLP/DD/157D/SB	PE220223 MONSAN UPGRADE HUDSON CKT04 TO MINIMUM 507/507MVA		N/A	N/A	N/A	N/A		N/A
146										
11		HLP/00/1570/SB	PE220224 MUSTANG BAYOU UPGRADE 138KV LOOP BUS TO MINIMUM		N/A	N/A	N/A	N/A	\$757,292	N/A
147		TILFIOW ISTAIGE	568/568MVA		1904	1000	1910	1900	4,01,202	1310
П			PE220226 LIVERPOOL UPGRADE 138KV							
1		HLP/DD/157D/SB	LOOP BUS TO MINIMUM 517/517MVA		N/A	N/A	N/A	N/A		N/A
148			PE220218 ARCHER BUILD NEW CNP							
11		HLP/00/1567/SB	138KV BKR-8-1/2 INTERCONNECTION		N/A	N/A	N/A	N/A		N/A
149		The year realities	SWITCHYARD							
П		HLP/00/1567/SB	PE220219 KARSTEN UPGRADE LINE		N/A	N/A	N/A	N/A	\$10,540,992	N/A
150		The year realities	RELAYING ON CKT26 TO ARCHER PE220220 ANGLETON UPGRADE LINE							
11		HLP/00/1567/SB	RELAYING ON CKT26 TO ARCHER MIN		N/A	N/A	N/A	N/A		N/A
151		The year leavings	384/384MVA							
П										
11			PE220057 WEST COLUMBIA - UPGRADE							
11		HLP/DD/1512/SB	138KV YARD FAULT DUTY TO 63KA		N/A	N/A	N/A	N/A	51,138,470	N/A
1										
152										
11										
11		HLP/DD/15DD/SB	PE220053 SMITHERS - BUILD 345KV LINE		N/A	N/A	N/A	N/A	55,332,249	N/A
			POSITION FOR NEW GENERATOR							
153										
			PE210082 WEST COLUMBIA Expand 138							
		HLP/DD/1485/SB	kV Ring Bus to Connect New Generator		N/A	N/A	N/A	N/A	\$2,549,015	N/A
154			•							
		HLP/DD/1419/SB/0001	PE210034 SRB REMOVE 69KV FACILITIES		N/A	N/A	N/A	N/A		N/A
155			& ADD 138KV BUS TIE BKR		14//	14//	14111	11///		
156		HLP/DD/1419/SB/0003	PE210035 SRB INSTALL 100MVAR CAP BANK		N/A	N/A	N/A	N/A		N/A
1		LU DIOCH 44 OF BEDODS	PE210036 HOC REMOVE & RELOCATE		NUO	NUO	NIGA	NUO		NICA
157		HLP/00/1419/SB/0003	138KV, 100MVAR CAP BANK		N/A	N/A	N/A	N/A	\$3,97D,09D	N/A
			PE210037 SOUTH CHANNEL		h116	6116			22,2.3,300	
158		HLP/DD/1419/SB/D002	RECONFIGURE 69KV SRB CKT-23 AS DEEPWATER CKT-23		N/A	N/A	N/A	N/A		N/A
1										
		HLP/00/1419/SB/0002	PE21D038 DEEPWATER RECONFIGURE 69KV SRB CKT AS SOUTH CHANNEL CKT		N/A	N/A	N/A	N/A		N/A
159			GRUE ONE CIVI NO SOUTH CHANNEL CIVI							

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11	Projects Submitted to ERCOT RPG	Wes#	(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
160		HLP/00/1233/SB/0001	PE210077 WHITE OAK INSTALL 2ND 138/89 KV AUTO		N/A	N/A	N/A	N/A		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	\$10,006, <del>5</del> 27	N/A
164		HLP/00/1325/SB	PE210256 DEIHL - INSTALL 11TH & 12TH 12KV FEEDERS		N/A	N/A	N/A	N/A		N/A
165		HLP/00/1460/SB	PE220089 AIRLINE - INSTALL 12TH 12KV FEEDER		N/A	N/A	N/A	N/A		N/A
166		HLP/DD/1184/SB	PE220085 CROCKETT - INSTALL 3RD TRANSFORMER & 3-12 KV FEEDERS		N/A	N/A	N/A	N/A		N/A
167		HLP/DD/1337/SB	PE210020 Jones Creek - Install new 138kv positions		N/A	N/A	N/A	N/A		N/A
168		HLP/00/1337/SB	PE210021 Velasco - Reconfigure for new Jones Creek ckt		N/A	N/A	N/A	N/A	\$10,999,746	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	56,896,804	N/A
171		HLP/DD/1246/SB	PE170086 HOFMAN - REPLACE LINE PANEL ON CKT #02 TO BASF & REPL RTU (AP)		N/A	N/A	N/A	N/A		N/A
172		HLP/00/1246/SB	PE170067 BASF - REPLACE LINE PANEL & JUMPERS ON CKT #02 TO HOFMAN & REPL RT (AP)		N/A	N/A	N/A	N/A	\$911,741	N/A
173		HLP/00/1246/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	PE210096 Hillje - BUILD NEW 345KV LINE POSITION FOR NEW GENERATOR		N/A	N/A	N/A	N/A	\$2,352,739	N/A
175		HLP/DD/1446/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		N/A
177		HLP/DD/1463/SB	PE210069 Bailey - INSTALL POTT RELAY SCHEME ON OKT 72 TO CEDAR CREEK		N/A	N/A	N/A	N/A	S16,139,77D	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		N/A
180		HLP/DD/0996/SB	PE210233 MUSTANG BAYOU - INSTALL 3RD & 4TH 12KV FEEDERS		N/A	N/A	N/A	N/A		N/A
181		HLP/00/0396/SB	PE210234 WEBSTER - UPGRADE MANVEL 89KV LINE RELAYING FOR ALVIN BYPASS		N/A	N/A	N/A	N/A		N/A
182		HLP/00/0996/SB	PE23D002 ALVIN - CONVERT TO 138KV OPERATION & INSTALL 2ND TRF		N/A	N/A	N/A	N/A	59,306,799	N/A
183		HLP/DD/0996/SB	PE23D003 MANVEL - CONVERT TO 138KV OPERATION		N/A	N/A	N/A	N/A	29,200,799	N/A
184		HLP/DD/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/DD/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/DD/1162/SB	PE210063 WALLER INSTALL 2ND TRF AND 35KV FEEDER		N/A	N/A	N/A	N/A	<b>\$2,387,61</b> 9	N/A
188		HLP/00/1226/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/DD/0936/SB	PE180144 HOC - REPLACE CONVENTIONAL SUB WITH BKR 8 HALF		N/A	N/A	N/A	N/A	Ψιδιοτιίτε	N/A
191		HLP/00/11/52/SB	PE160410 RED BLUFF BUILD NEW 138/12KV SUBSTATION		N/A	N/A	N/A	N/A	\$13.077.763	N/A
192		HLP/DD/1117/SB	PE180135 DUNLAVY - UPGRADE 69KV CKT #31 TO HEIGHTS (BP)		N/A	N/A	N/A	N/A		N/A
193		HLP/DD/1117/SB	PE180136 HEIGHTS - UPGRADE 69KV CKT #31 TO DUNLAVY		N/A	N/A	N∤A	N/A	\$413,960	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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11	Projects Submitted to ERCOT RPG	Wes#	(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
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		N/A
197		HLP/DD/1190/SB	PE180034 SRB UPGRADE 138KV CKT #87 TO CHORIN, INCREASE AMPACITY		N/A	N/A	N/A	N/A	\$2.873.376	N/A
198		HLP/DD/119D/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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1 1				(b) Estimated	(c) Estimated	(d) First MCPR	Final Updated	MCPR Where		(f) Last MCPR
1 1	Projects Submitted to ERCOT RPG	WBS#	(a) Project Name (with CCN Docket No., if Any)	of ERCOT	Costs in First	Where Project	Costs in MCPR	Cost Updated	(e) Final Total Project Costs	Where Project
1 1	to ENCOT NEG		Ally)	Review (if Any)	MCPR Entry*	Appeared	Entry	Cost opdated	Froject Costs	Appeared
11				nevion (ii Any)						
11										
1 1		HLP/00/1288/SB	PE210060 MISSOURI CITY INSTALL 3RD		N/A	N/A	N/A	N/A	\$3,660,741	N/A
1 1			TRF AND (2) 12KV FEEDERS							
200										
m			PE210028 WEST GALVESTON - ADD 3RD							
201		HLP/DD/1444/SB	12KV, 50MVA TRANSFORMER		N/A	N/A	N/A	N/A		N/A
201			PE200260 SPARES-PURCH 30/40/50 MVA						53,439,111	
202		HLP/DD/1444/SB	POWER TRF		N/A	N/A	N/A	N/A		N/A
П										
11		LULDIDD(4244/EB	PE190002 JONES CREEK BUILD NEW		N/A	N/A	N/A	N/A	513,813,539	N/A
1 1		HLP/DD/1344/SB	138/12KV SUBSTATION (AP)		NUA	NUA.	NO	NUA	313,013,339	INCO
203										
		HLP/00/1482/SB/0001	PE220037 SAN BERNARD BUILD NEW		N/A	N/A	N/A	N/A		N/A
204			138KV BKR & 1/2 SWITCHYARD							
		HLP/DD/1482/SB/0001	PE220038 SOUTH LANE CITY INSTALL POTT SCHEME ON 138KV CKT TO SAN		N/A	N/A	N/A	N/A		N/A
205		110170014020010001	BERNARD		1407.0	1407.0	19111	1000		18011
П			PE220041 WEST COLUMBIA UPGRADE						\$8,834,491	
1 1		HLP/00/1482/SB/0001	RELAY SCHEME ON CKT 04 TO SAN		N/A	N/A	N/A	N/A		N/A
206			BERNARD							
1 1		HLP/DD/1482/SB/0001	PE220058 WEST COLUMBIA UPGRADE		N/A	N/A	N/A	N/A		N/A
207		HLP/DU/1482/58/0001	138KV CKT04 TO SAN BERNARD TO MIN 61D/84D MVA RATIN		NUA	NUA.	NW	NUA		INVA
			PE220065 JONTE - BUILD NEW 138KV							
208		HLP/DD/1483/SB/0001	BKR & 1/2 SWITCHYARD		N/A	N/A	N/A	N/A		N/A
П			PE220066 NORTH BELT - UGRADE LINE							
920		HLP/DD/1483/SB/0001	RELAYING ON CKT TO JONTE		N/A	N/A	N/A	N/A		N/A
209									\$9,936,728	
		HLP/DD/1483/SB/0001	PE220067 HARDY - UPGRAD CARRIER ON		N/A	N/A	N/A	N/A		N/A
210			CKT TO JONTE					'**'		· · · · ·
П		HLP/DD/1483/SB/0001	PE220068 CROSBY - UPGRAD CARRIER		N/A	N/A	N/A	N/A		N/A
211		110 700 1100 00001	ON CKT TO JONTE		11073	11073	INIT	1000		INITT
		HI DIOCH 400 (C B (COO)	PE200387 PHR - UPGRADE RELAYING ON		N/A	N/A	N/A	N/A		N/A
212		HLP/00/1468/SB/0001	CKT 02 & CKT 03 TO ATTWATER (TNMP) (PHASE I)		N/A	N/A	IN/A	IN/A		IN/A
			(THINE I)							
		HLP/00/1468/SB/0001	PE210175 PHR - UPGRADE 138KV CKT 02		N/A	N/A	N/A	N/A		N/A
1,,,,		The your record brooks	TO TOPAZ (TNMP)		17/5	17/0	140	'''^		
213			PE21D176 PHR - UPGRADE 138KV CKT 03						\$458,79D	
214		HLP/DD/1468/SB/0002	TO TOPAZ (TNMP)		N/A	N/A	N/A	N/A		N/A
П										
		LII DIOOMARGAE BIOOMA	PE210179 PHR - UPGRADE RELAYING ON		N/A	N/A	N/A	N/A		N/A
		HLP/00/1468/SB/0001	CKT 02 & CKT 03 TO ATTWATER (TNMP) (PHASE 2)		IWA	INA	INOS	N/A		IN/A
215			(1110E 2)							

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216		HLP/00/1472/SB/0001	PE230028 ZENITH - EXPAND 138KV YARD TO INSTALL RADIAL CKT		N/A	N/A	N/A	N/A		N/A
217			PE230029 VILLAGE CREEK - CONVERT FROM LOOP TO DOUBLE TAP CONFIGURATION		N/A	N/A	N/A	N/A	S4,446,005	N/A
218		HLP/UU/1395/SB	PE200042 BEASLY - BUILD NEW 138KV SWITCHYARD		N/A	N/A	N/A	N/A		N/A
219		HTB/00/1395/2B	PE200043 EAST BERNARD - UPGRADE CARRIER ON CKT #60		N/A	N/A	N/A	N/A	S11,293,948	N/A
220		HLP/00/1395/SB	PE2DD044 SEALY - UPGRADE 138KV LOOP BUS TO 250WVA		N/A	N/A	N/A	N/A		N/A

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	to ERCOT RPG		Any)	Review (if Any)	MCPR Entry*	Appeared	Entry	Cost Updated	Project Costs	Appeared
11										
221		HLP/00/0055/SB/0143	PE200256 ENCO - Install SCADA set at New		N/A	N/A	N/A	N/A		N/A
-/-			Custamer Sub PE2DD257 EL DORADO - INSTALL 12KV 7.2							
222		HLP/DD/0096/SB/0116	MVAR CAP BANK		N/A	N/A	N/A	N/A		N/A
223		HLP/00/0095/SB/0114	PE200258 SPENCER - Install 12kV		N/A	N/A	N/A	N/A	\$1,089,242	N/A
43			7.2MVAR Cap Bank PE200291 HARRISBURG - REMOVE AND							
		HLP/00/0095/SB/0115	RELOCATE 12KV 1D.8WVAR CAPACITOR		N/A	N/A	N/A	N/A		N/A
224			BANK (CB2)							
		HLP/00/0798/SB	PE180017 SURFSI - REPLACE LINE PANEL ON CKT #59 TO JONES CREEK		N/A	N/A	N/A	N/A		N/A
225		The rodorodob	(TRANSFER TRIP)		14//	14//		1021		
		HLP/00/0798/SB	PE190010 CELNEC - REPLACE LINE		N/A	N/A	N/A	N/A		N/A
226			PANEL ON CKT #35 TO LOMAX PE190009 JONES CREEK - INSTALL FIBER							
221		HLP/00/0798/SB	ON CKT #48 TO CORTEZ		N/A	N/A	N/A	N/A		N/A
			PE190011 LOMAX - REPLACE LINE PANEL						\$1,462,055	
228		HLP/00/0798/SB	ON CKT #35 TO CELNEC- REPLACE METERING P'S CKT #35		N/A	N/A	N/A	N/A		N/A
220		LU BIOCERTOCE	PE190221 MARINE - ADD DUAL PILOT TO		N/A	N/A	N/A	N/A		N/A
229		HLP/00/0798/SB	CORTEZ		N/A	NA	N/A	N/A		N/A
240		HLP/00/0798/SB	PE190007 SURFSI - REPLACE LINE PANEL ON CKT #59 TO VELASCO		N/A	N/A	N/A	N/A		N/A
1.7.7		HLP/00/0798/SB	PE190008 VELASCO - ADD FIBER (DUAL		N/A	N/A	N/A	N/A		N/A
231		HLF)DD(Q) 98/SB	PILOT) TO CKT #48 TO MARINE		NOA.	1004	14(0)	NOA		14(0
212		HLP/00/0055/SB/0140	PE200047 SOUTH CHANNEL - UPGRADE LINE RELAYING		N/A	N/A	N/A	N/A		N/A
		HLP/00/0055/SB/0140	PE200048 PAIR - UPGRADE LINE		N/A	N/A	N/A	N/A	\$1,266,114	N/A
233		HEP100/0053/3B/0140	RELAYING / INSTALL FIBER		1000	1904	DICO	1904	21,200,114	DIFF
234		HLP/00/0055/SB/0140	PE2DD049 AIRPRO - UPGRADE LINE RELAYING		N/A	N/A	N/A	N/A		N/A
-			NEB TINO							
			PE210055 BRITMOORE - INSTALL 3RD							
		HLP/00/1286/SB	TRF AND (2) 12KV FEEDERS		N/A	N/A	N/A	N/A	\$3,605,380	N/A
235										
		HLP/00/1127/SB	PE190232 ZENITH - Area Auto TRF INCR.		N/A	N/A	N/A	N/A		N/A
			FAULT DUTY							
236										
									\$8,118,155	
		HLP/00/1127/SB	PE180013 ZENITH - Install 3rd 345/138/23kV		N/A	N/A	N/A	N/A		N/A
			Auto TRF & Increase Fault Duty							
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11	Projects Submitted to ERCOT RPG	Wes#	(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
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238		HLP/DD/1259/SB	PE190063 PARKWAY - INSTALL 7TH & 8TH 12KV FEEDERS (BP)		N/A	N/A	N/A	N/A	\$448,446	N/A
239		HLP/00/0596/SB	PE2DD095 WHARTON - INSTALL 7TH 12KV FEEDER (8P)		N/A	N/A	N/A	N/A	\$414,235	N/A
240		HLP/00/1041/SB	PE2DD097 HOLMES - INSTALL 11TH & 12TH 12KV FEEDERS (AP)		N/A	N/A	N/A	N/A	\$463,883	N/A
241		HLP/DD/106D/SB	PE200090 TRINITY BAY - INSTALL 5TH 35KV FEEDER (BP)		N/A	N/A	N/A	N/A	<b>\$727</b> ,215	N/A
242		HLP/00/1263/SB	PE190050 BLODGETT - INSTALL 3RD TRF & (3) 12KV FEEDERS (AP)		N/A	N/A	N/A	N/A	\$2,065, <b>73</b> 1	N/A
243		HLP/00/1289/SB	PE200074 PLAZA - INSTALL 3RD TRF AND (2) 35KV FEEDERS. EXTEND 138KV RING (AP		N/A	N/A	N/A	N/A	58,487,436	N/A
244		HLP/00/1357/SB	PE200076 NEEDVILLE - INSTALL 5TH & 8TH 12KV FEEDERS (BP)		N/A	N/A	N/A	N/A	\$463,134	N/A
245		HLP/00/1402/SB	PE200089 JORDAN - INSTALL 5TH & 6TH 35KV FEEDERS (BP)		N/A	N/A	N/A	N/A	\$557,727	N/A
246		HLP/00/1437/SB	PE2DD103 HILLJE - CONVERT 345KV SWITCHYARD TO BKR AND A HALF (BP)		N/A	N/A	N/A	N/A		N/A
247		HLP/DD/1437/SB	PE200109 STP - UPGRADE CARRIER ON HILLJE CIRCUITS		N/A	N/A	N/A	N/A	52,994,312	N/A
248		HLP/00/1437/SB	PE200110 WAP - UPGRADE CARRIER ON HILLJE CIRCUITS		N/A	N/A	N/A	N/A		N/A
249		HLP/DD/1166/SB	PE210067 GERTIE - ADD 10TH FEEDER		N/A	N/A	N/A	N/A	\$268,425	N/A

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11		HLP/DD/1312/SB	PE210062 SCENIC WOODS - INSTALL		N/A	N/A	N/A	N/A	\$6,459, <b>35</b> 6	N/A
11		11236	35KV FACILITIES		1007	1007	1907	14074	30,430,330	INITI
250										
		HI BADDIARAGICA	PE210051 RED BLUFF - INSTALL 3RD TRF		N/A	N/A	N/A	N/A	\$3,4D1,627	N/A
		HLP/00/1346/SB	AND (2) 12KV FEEDERS		N/A	N/A	INCA	INA	33,401,627	N/A
251										
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			PE210056 CLODINE - INSTALL 4TH TRF							
		HLP/00/1407/SB	AND (2) 12KV FEEDERS		N/A	N/A	N/A	N/A	\$4,368,012	N/A
11			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
252										
11										
11		HLP/00/1398/SB	PE200099 WHITE OAK - Install 15th 12kV Feeder (AP)		N/A	N/A	N/A	N/A	\$284,413	N/A
264			i edder (Art.)							
233										
11			PE210053 CLEAR LAKE - Instl 3rd TRF & 2							
11		HLP/00/1451/SB	12kV Fdr		N/A	N/A	N/A	N/A	\$4,042,381	N/A
254										
Н										
11		l	PE200073 ALMEDA - Install 3rd trf & 3-12kv						04.007.004	
11		HLP/DD/1284/SB	fdrs		N/A	N/A	N/A	N/A	\$1,697,024	N/A
255										
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11		HI DIOCGASCACE	PE190045 Northside - INSTL 3rd TRF & 2-		N/A	N/A	N/A	N/A	\$5,574,26D	N/A
11		HLP/00/1252/SB	12KV FDRS		1900	1906	DICO	1900	30,014,200	DIO
256										
		HLP/DD/1249/SB	PE190046 SPRINGWOOD - Insti 2 TRF's &		N/A	N/A	N/A	N/A	58,534,803	N/A
			6 Fdrs IFDN						12,20,1000	
257										
		LUL BIOCHARONE B	PE150235 UNIVERSITY - Convert Dist 69KV		****	****	N/CA		PO 004 000	NICA
		HLP/00/1123/SB	ta 138KV		N/A	N/A	N/A	N/A	53,964,932	N/A
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258			PE190003 JONES CREEK - Install 3rd							
259		HLP/00/0095/SB/0087	138kV 120mvar Cap Bank		N/A	N/A	N/A	N/A		N/A
П		HLP/DD/0095/SB/0087	PE18001D JONES CREEK - Install 2nd		N/A	N/A	N/A	N/A		N/A
260		, Sudderad anddor	138kV 160mvar Cap Bank PE180032 VELASCO - Install 2nd 138kV		1477				56,625,288	
261		HLP/DD/0095/SB/0087	PE180032 VELASCO - Install 2nd 138kV 120MVAR CB		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
262		HLP/00/0095/SB/0104	PE190004 VELASCO - Install 3rd 138kV Cap Bank		N/A	N/A	N/A	N/A		N/A
263		HLP/00/0096/SB/0109	PE190044 WEST GALVESTON - Inst. 1 12kV SMVAR Reactor		N/A	N/A	N/A	N/A		N/A
264		HLP/00/0095/SB/0110	PE190055 STEWART - Replace 10mvar reactor with 5mvar reactor		N/A	N/A	N/A	N/A	\$837,190	N/A
265		HLP/00/0095/SB/0111	PE19D136 HARRISBURG - Remove&Relocate 12kV CapBank		N/A	N/A	N/A	N/A		N/A
266		HLP/00/0095/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/00/0095/SB/0112	PE2DD194 VILLAGE CREEK - Install(2) 14.4 MVAR Cap		N/A	N/A	N/A	N/A	\$732,747	N/A
268		HLP/00/0130/SB/0039	PE210019 CEDAR BAYOU PLANT - Install 138kV Series Reactor		N/A	N/A	N/A	N/A	\$2,240,196	N/A
269		HLP/00/0095/SB/0117	PE220328 JONTE - INSTALL 138KV 20MVAR CAP BANK		N/A	N/A	N/A	N/A	\$1,175,191	N/A
270		HLP/00/1179/SB	PE220327 TANNER - INSTALL 3RD 100MVA TRANSFORMER 8 2-35KV FEEDERS PLUS 4 CKTS		N/A	N/A	N/A	N/A	\$6,386,728	N/A
271		HLP/00/1319/SB	PE230044 FAIRBANKS - INSTALL 10TH 35KV FEEDER		N/A	N/A	N/A	N/A	\$347,805	N/A
212		HLP/00/1506/SB	PE220087 ANGLETON - UPGRADE TRANSFORMERS & CONVERT TO LOW PROFILE		N/A	N/A	N/A	N/A	S11,829,78D	N/A
273		HLP/DD/15D7/SB	PE220093 THW - INSTALL 10TH 35KV FEEDER		N/A	N/A	N/A	N/A	\$348,512	N/A
274		HLP/DD/1576/SB	PE230043 SPRINGWOOD - INSTALL 138KV BKR STATION		N/A	N/A	N/A	N/A		N/A
275		HLP/D0/1576/SB	PE230046 ROTHWOOD - UPGRADE LINE RELAYING ON SPRINGWOOD CKTS		N/A	N/A	N/A	N/A	56,039,262	N/A
276		HLP/00/1417/SB	PE220095 TWINWOOD - BUILD NEW 35KV SUBSTATION		N/A	N/A	N/A	N/A	624 272 047	N/A

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$\vdash$			PE23D341 TWINWOOD - INSTALL						021,210,017	
277		HLP/00/1417/SB	138/35KV MOBILE SUBSTATION		N/A	N/A	N/A	N/A		N/A
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444 A55 A66 A47 A47 A48 A50 A50 A50 A50 A50 A50 A50	443										
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erts 6447 449 649 650 650 650 650 650 650 650	445										
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3	This file starts with S	schedule M-3.1 in columns A throu	gh L,							
4	displays the correspo	onding PUC RFI set 07 question n	umbers							
- 5	in columns O through	h Q, and adds responses to								
6	the RFIs for parts be	to starting in column S.								
7										
8		schedule III-3.1 in bottumms A mid- nording PUC RFI set 07 question n in Q, and adds responses to its starting in column S.								
9										
10	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(1D)
11			l	(b) Estimated	(c) Estimated	(d) First MCPR	Final Updated	l		(f) Last MCPR
1 1	Projects Submitted	WBS#	(a) Project Name (with CCN Docket No., if	Costs at the Time	Costs in First	Where Project	Costs in MCPR	MCPR Where	(e) Final Total	Where Project
1 1	to ERCOT RPG		Any)	of ERCOT	MCPR Entry*	Appeared	Entry	Cost Updated	Project Costs	Appeared
11				Review (if Any)		, .pp	,			, <b>4</b>   1 - 1 - 1
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7	This file starts with 9	Schedule M-3.1 in columns A throu	ab l							
4	displays the correspo	onding PUC RFI set D7 question n								
5	in columns O through	h <b>C,</b> and adds responses to to starting in column <b>S.</b>								
7	the Kins of parts 6	te seating in column 5.								
7 8 9										
10	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(1D)
11	Projects Submitted to ERCOT RPG	Wes#	(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
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- 3		schedule M-3.1 in columns A throu							
		onding PUC RFI set 07 question n	umbers			This file starts with Schedule M-3.1 in columns A through L,			
- 5	in columns O through	h Q, and adds responses to				displays the corresponding PUC RFI set 07 question numbers			
	the RFIs for parts be	tc starting in column S.				in columns O through Q, and adds responses to			
7						the RFIs for parts blate starting in column S.			
8 9									
10	(1)	(2)	(3)	(11)	(12)	(13)			
H	***	, <u>-</u> ,	,-,-	(11) (g) Percent	(12) Percent	, 13,	1		
1 1				difference	difference				
1 1	Projects Submitted	WBS#	(a) Project Name (with CCN Docket No., if	between (c) and	between Column	Variance Explanation		PUC RF17	
1 1	to ERCOT RPG	T T L L L L L L L L L L L L L L L L L L	Any)	(a) [% dfff btwn	G and (e) [% diff	Tarrano Exprarrenon			
11				inital & final	btwn actual and				
12				Actimate)	tinal actimatal			<u> </u>	
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1 1								I I I	
1 1								I   I	
1 1			PE190001 Install 3rd 800MVA Auto					I I I	
1 1		HLP/00/1115/SB/0002	Transformer (BP)	N/A	N/A			76	
			, , ,						
1,1									
1.7			PE190012 Loop 345kV STP/DOW CKT #27				1	<del>  _    </del>	
14		HLP/DD/1115/SB/0005	Into Jones Creek (BP)	N/A	N/A			76	
П							1		
1 1		HLP/DD/1115/SB/00D3	PE190013 4th 138kV, 120MVAR Cap Bank	N/A	N/A			76	
1 1		HLP/DD/TTTS/SB/0003	and (2) Automatic Cap Banks	NW	NUA			l '°l l	
15									
1 1			PE180030 SOUTHWYCK - RECONFIGURE					I   I	
1 1		HLP/00/1114/SB/0001	8 UPGRADE 138KV CKT #05 LOOP BUS	N/A	N/A			77	
16			(BP)					I   I	
10			PE180151 HOC - Upgrade Line Relaying &				1	<del>                                     </del>	
17		HLP/DD/1114/SB/00D1	Carrier on 138kV CKT #26 to Karsten	N/A	N/A			77	
Н			PE18D152 KARSTEN - Upgr Line Relaying &				1		
1 1		HLP/DD/1114/SB/00D1	Carrier on 138kV CKT #26 to HOC & Repl	N/A	N/A			77	
18			RTU				1		
19		HLP/DD/0997/SB/00D4	PE190056 BIG CREEK - BUILD NEW	N/A	N/A			78	
19			138/12KV SUBSTATION (BP) PE190042 DAMON - CONVERT TO 138KV				+	<del>                                     </del>	
20		HLP/DD/0997/SB/00D7	OPERATION (BP) _	N/A	N/A			78	
		LII DIOOMBAOCOD	PE190043 West Columbia - Convert to	N/A	N/A		1	78	
21		HLP/00/1349/SB	138kV Operation	NA	IVA			(*)	
		HLP/00/0997/SB/0003	PE200020 NEEDVILLE - BUILD NEW	N/A	N/A			78	
22			138/12KV SUBSTATION II				1	$\vdash$	
23		HLP/DD/0997/SB/0005	PE2DD021 FORT BEND - CONVERT CKT #45 TO 138KV OPERATION	N/A	N/A			78	
F							1	<del>     </del>	
		HLP/00/0997/SB/0009	PE200022 WEST COLUMBIA - CONVERT	N/A	N/A			78	
24			CKT #45 TO 138KV OPERATION				1		
		HLP/00/0997/SB/0001	PE200023 WAP - REPLACE CARRIER	N/A	N/A			78	
25			EQUIPMENT CKT #02 TO W. COL				-	<u> </u>	
		HI DANNINGSTISSINGOS	PE200024 TEXWES - DISCONNECT	N/A	N/A			78	
26		HLP/00/0997/SB/0006	CUSTOMER SUB & CONVITO DISTRIBUTION SERVICE	AWI	INA			'8	
1			PE2DD10D DEEPWATER - RECONNECT				1	<del>     </del>	
		HLP/DD/1408/SB/0002	138KV SWITCHYARD & INSTALL 800 MVA	N/A	N/A			79	
21			AUTO TRF						
			PE200101 DEEPWATER - UPGRADE						
		HLP/00/1408/SB/0001	138KV YARD FAULT DUTY TO 8DKA (AP)	N/A	N/A			79	
28			PE200133 LYDELL - INSTALL 2ND FIBER				-	<del>                                     </del>	
		HLP/DD/14D8/SB/0002	OPTIC CABLE ON CKT #70 TO	N/A	N/A			79	
29		THE YEAR THOMASSIGNAZ	DEEPWATER	14773	14773			l "l l	
П			PE210029 JORDAN - INSTALL 3RD				1		
		HLP/DD/1416/SB/0003	800MVA AUTO TRF / PE210033 JORDAN -	N/A	N/A			80	
		HERDOR INTOKA BRUUUS	LOOP 345KV CKT #97 TO	10074	1007.			"	
30			CHAMBERS/KING				4	<b></b>	
1,,1		HLP/00/1416/SB/0001	PE210030 JORDAN - UPGRADE 138KV	N/A	N/A			80	
.51			YARD TO 80KA						

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4 5	displays the correspo in columns O through	ichedule M-3.1 in columns A throu onding PUC RFI set 07 question n h Q, and adds responses to tc starting in column S.				This file starts with Schedule M-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 sto starting in column S.				
10	(1)	(2)	(3)	(11)	(12)	(13)				
11	Projects Submitted to ERCOT RPG	WBS#	(a) Project Name (with CCN Docket No., if Any)		Percent difference between Column G and (e) [% diff btwn actual and	Variance Explanation			PUC RFI 7	r
32		HLP/DD/1416/SB/0002	PE210031 CHAMBERS - UPGRADE CARRIER ON CKT #97 TO JORDAN (WAS KING)	N/A	N/A				80	
33			PE210032 KING - UPGRADE CARRIER ON CKT #97 TO JORDAN (WAS CHAMBERS)	N/A	N/A				80	
34		HLP/00/0055/SB/0142	PE220008 PLACID - INSTALL SCADA SET AT NEW CUSTOMER SUB	N/A	N/A				8D	
35			PE220009 RIGBY - INSTALL DUAL FIBER OPTIC CABLES ON CKT #86 TO PLACID	N/A	N/A				80	

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7										
- 3	This file starts with S	Schedule M-3.1 in columns A throu	igh L.							
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		h Q, and adds responses to				displays the corresponding PUC RFI set 07 question numbers				
6	the RFIs for parts be	etc starting in column S.				in columns O through Q, and adds responses to				
7						the RFIs for parts bletc starting in column S.				
8 9 10										
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1/1	(1)	(2)	(3)	(11)	(12)	(13)				
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1 1				difference	difference		1			
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1 1	Projects Submitted	WBS#	(a) Project Name (with CCN Docket No., if	between (c) and	between Column	Variance Explanation	1		UC RFI 7	7
1 1	to ERCOT RPG	Mean	Any)	(e) [% dfff btwn	G and (e) [% diff	variance Explanation		l '		
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11				actimate!	final actimatel					
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1 1		HLP/DD/1425/SB/0001	PE220012 JORDAN - INSTALL NEW LINE	N/A	N/A			81		
20		HLF/DD/1425/36/0001	POSITION FOR 138KV CKT TO WINFRE	14tO	10075			I "		
2/0							<u>ا</u> ا	$\longrightarrow$		-
1 1			PE220013 MONT BELVIEU - INSTALL LINE				1	I I		
1 1		HLP/00/1425/SB/0001	POSITION FOR NEW 138KV CKT TO	N/A	N/A		1	81		I
37			LNGSTN		I		1	<b>i</b> 1		I
$\vdash$			PE220014 DALTON - UPGRADE LINE		i		1			
		HLP/DD/1425/SB/0001	RELAYING ON MONT BELVIEU CKT (WAS	N/A	N/A		1	81		I
1,,1		HEF/DOX 1423Y-2 BYUUU I		DIVO	I NUA		1	[ 61		I
38			WINFRE)				4 '	$\vdash$		$oldsymbol{oldsymbol{\sqcup}}$
			PE220015 WINFRE - UPGRADE LINE		I		1	<b>i</b> 1		I
		HLP/00/1425/SB/0001	RELAYING ON EAGLE CKT (WAS	N/A	N/A		1	81		I
39			LANGSTON)		I		1	<b> </b>		I
$\vdash$			PE220016 WINFRE - UPGRADE LINE		i		1 '	$\vdash$		$\vdash$
		LUI DIDDO ADGO DA GODA		N/A	N/A		1	81		I
ا بر ا		HLP/DD/1425/SB/00D1	RELAYING ON JORDAN CKT (WAS	DVM	NUA.		1	[ 61		I
40			DALTON)				4 '	$\vdash$		-
1 1			PE220017 LNGSTN - UPGRADE LINE				1 '	I I		
1 1		HLP/00/1425/SB/0001	RELAYING ON CHEVRON CKT (WAS	N/A	N/A		1 '	81		
41			WINFRE)					I I		
$\blacksquare$			PE220018 EAGLE - UPGRADE LINE				1			
1 1		HLP/00/1425/SB/0001	RELAYING ON WINFRE CKT (WAS	N/A	N/A			81		
Last		HLP/DD/1425/SB/DDU1		INCO	NUA.			01		
42			CHEVRON)				4 '	$\vdash$		-
1 1			PE220019 CHEV - UPGRADE LINE				1 '	I I		
1 1		HLP/00/1425/SB/0001	RELAYING ON LANGSTON CKT (WAS	N/A	N/A			81		
43			EAGLE)					I I		
$\blacksquare$			PE220020 CHEV - UPGRADE CBY CKT86				1 '			
44		HLP/00/1425/SB/0001	TO MIN 669WVA EMER RATING	N/A	N/A			81		
-							-	$\vdash$		
1 1		l	PE220022 CEDAR BAYOU PLANT -					I		
I I		HLP/00/1425/SB/0001	UPGRADE CHEVRON CKT86 TO MIN	N/A	N/A		1 '	81		
45			669MVA EMER RATING							
		LII BIOOM ACCORDANCE	PE220023 WARVUE - UPGRADE LINE	N/A	N/A			81		
46		HLP/00/1425/SB/0001	RELAYING ON CKT TO MONT BELVIEU	DICH	IN//A		1 '	I "'		<b>!</b>
			PE200221 WALLIS - UPGRADE 138KV				1 '			
47		HLP/00/1412/SB/0003	CKT65 LOOP BUS TO 4000A (AP)	N/A	N/A		1	<b>I</b> 1	82	ı I
127					<b>-</b>		1 '			$\vdash$
1		HLP/DD/1412/SB/00D1	PE200233 EAST BERNARD - UPGRADE	N/A	N/A		1	<b> </b>	82	I
48			138KV CKT65 TO GEBHRT TO 40DDA				4 '	$\vdash$		$\vdash$
		HLP/DD/1399/SB	PE220054 SEALY - UPGRADE 138KV	N/A	N/A		1	<b>i</b> 1	82	I
49		/bu lusaruu	CKT65 LOOP BUS TO 4000A	14171	13073		J '		02	1
		HI DIOCUSOCED	PE220055 PETERS - UPGRADE 138KV	NI 10	NI IA		1			
50		HLP/00/1399/SB	CKT65 TO GEBHRT TO 4000A	N/A	N/A		1	<b> </b>	82	[
ш							1 '	$\vdash$		
1 1		LU DIDDIG 336/CB	PE200207 ANGLETON - UPGRADE CKT04	N140	NI A		1			I
1,,1		HLP/DD/1236/SB	TO WEST COLUMBIA TO 368MVA (BP)	N/A	N/A		1	83		I
51			· ·				- 1	oxdot		
1 1		I	PE200208 WEST COLUMBIA - UPGRADE		I	1	1 '	ı T	٦	ı 7
1		HLP/00/1235/SB	CKT04 TO WEST COLUMBIA TO 368MVA	N/A	N/A		1	83		I
52			(BP)		I		1	1		ı I
П			PE220097 ANGLETON - UPGRADE CKT D4				1 '			
1 1		HLP/DD/0922/SB/0014	TO WEST COLUMBIA TO 400DA	N/A	N/A		1 '	83		<b>!</b>
1,,1		mumburuszzra prüül 14		DOA.	I NUA		1 '	l 69		<b>!</b>
23			CONTINUOUS RATING				4 '	$\vdash$		$\vdash$
1			PE220098 WEST COLUMBIA - UPGRADE		I		1	<b>i</b> 1		I
1		HLP/00/1235/SB/0001	CKT 04 TO ANGLETON TO 4000A	N/A	N/A		1	83		I
54			CONTINUOUS RATING		I		1	<b>i</b> 1		I
$\Box$					l		1 '			
1			PE230005 HITCHCOCK - UPGRADE 138KV		I		1	<b>i</b> 1		I
1		HLP/00/0922/SB/0016		N/A	N/A		1	<b>i</b> 1	84	I
1			CKT 93 LOOP TO 4000A		I		1	<b>I</b> 1		ı I
20							4 '	$\vdash$		oxdot
1 1			PE230008 Flewellen - UPGRADE 138KV		I		1	<b> </b>		I
		HLP/00/1413/SB	PETERS CKT 25 TO 4000A CONTINUOUS	N/A	N/A		1	85		I
56			RATING		<u> </u>			I		I

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- 3	This file starts with S	Schedule M-3.1 in columns A throu	ugh L,							
4	displays the corresp	onding PUC RFI set 07 question n	umbers			This file starts with Schedule M-3.1 in columns A through L,				
- 5	in columns O throug	b C and adds responses to				displays the corresponding PUC RFI set 07 question numbers				
1	the BEInformatic by	eta etartina in column C								
-	ine Kristor partsb.e	atc starting in column s.				in columns O through Q, and adds responses to				
$\perp$						the RFIs for parts bletc starting in column S.				
8		otc starting in column S.								
9										
10	(1)	(2)	(3)	(11)	(12)	(13)				
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1 1				difference	difference			l		
1 1	Projects Submitted		(a) Project Name (with CCN Docket No., if	between (c) and	between Column			l		
1 1		WBS#				Variance Explanation		l	PUC RFI	7
1 1	to ERCOT RPG		Any)	(e) [% dfff blwn	G and (e) [% diff	·		l		
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			PE230009 Peters - UPGRADE 138KV				1	I		1 1
1 1		HLP/DD/1413/SB/0001	FLEWELLEN CKT25 TO 4000A	N/A	N/A			85		1 1
57			CONTINUOUS RATING					I		1 1
ш			PE230024 THW - CKT29A1: UPGRADE				1	$\vdash$		+
E 0		HLP/DD/0496/SB/0004		N/A	N/A				86	à I
56			THW EQ				4	<b>—</b>		+
11		HLP/00/0496/SB/0005	PE230025 LITTLE YORK - CKT29A1:	N/A	N/A		1	I .	86	al I
59		1.2.753,040,000,000	UPGRADE LITTTLE YORK EQ		13773		1			
		LIL DIOCKS 40C/C DKS20C	PE230026 WHITE OAK - CKT29A2:	NICA	NUO					. 7
60		HLP/00/0496/SB/0006	UPGRADE WHITE OAK EQ	N/A	N/A				80	7 I
$\vdash$			PE23D027 BAMMEL - UPGRADE CARRIER				1			$\Box$
61		HLP/DD/0496/SB/0004	ON THW CKT 81	N/A	N/A				86	기 <b>I</b>
1							1	$\vdash$		+
		Lupiosaason	PE220230 GYPSUM - EXTEND 138KV					l		1 I
11		HLP/00/1128/SB	TRANSMISSION SERVICE TO NEW	N/A	N/A			87		1 1
62			CUSTOMER-OWNED SPER STONE				1			
		LU DIOC(4420/CD(2004	PE220311 CLINTON - 138KV BREAKER	N/A	N/A			87		1 1
6.3		HLP/00/1128/SB/0004	STATION	INDA	IVA			۰′		1 1
П			PE220312 GALENA PARK - MOVE				1			
1 1			DISTRIBUTION LOAD TO 138KV 8					l .		1 1
1 1		HLP/00/1128/SB/0001	REMOVE 69/138KV SWITCHYAR	N/A	N/A			87		1 1
1								l .		1 1
04			FACILITES				1			
1 1			PE220313 GREENS BAYOU -					l .		1 1
1 1		HLP/00/1128/SB/0002	RECONFIGURE 69KV SWITCHYARD &	N/A	N/A			87		1 1
1 1		111270071120/30/0002	UPGRADE CARRIER ON 69KV CLINTON	1904	1904			. "		1 1
65			скт					l .		1 1
$\blacksquare$			PE220314 NINTH - UPGRADE RELAYING				1			1 1
66		HLP/DD/1128/SB	ON 138KV CLINTON CKT	N/A	N/A			87		1 1
ш			PE220315 ANBUSH - UPGRADING				1			-
67		HLP/DD/1128/SB	RELAYING ON 138KV CLINTON CKT	N/A	N/A			87		1 1
67			RELATING ON 136KV CLINTON CKT				4			-
1 1								l .		1 1
1 1								l .		1 1
1 1			PE220048 STONE LAKE - BUILD NEW					l .		1 1
		HLP/DD/13D6/SB	138/35KV SUBSTATION & (2) 14.4 MVAR	N/A	N/A			l .	88	al I
			CAP BANKS	1.775				l .		η Ι
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68							]			
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			DESCRIPTION OF THE PROPERTY OF							I
		HLP/DD/13D6/SB	PE220049 HOCKLEY - UPGRADE CKT 66	N/A	N/A			l .	88	al I
			TO TOMBALL	17// 1	17// 1					7 I
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69								I .		1 I
09							1	$\vdash$		+
			PE220078 BUILD NEW 345KV					I .		1 I
1 1		LUI DIDDOLADACED		MAG	MAG			00		I
		HLP/DD/1491/SB	SWITCHYARD TO CONNECT NEW	N/A	N/A			89		1 I
1.0			GENERATOR							I
79		<u> </u>					1			+
1		HLP/00/1492/SB	PE220025 WOLF BUILD NEW 345KV BKR	N/A	N/A				90	ol I
71			& 1/2 SWITCHYARD	1477	1477		1			
17		HLP/DD/1492/SB	PE220026 HILLJE INSTALL POTT SCHEME	N/A	N/A			I -	90	ا ا
72		nurrour 1482/ab	ON 345KV CKT #64 TO WOLF	DOM:	1007				91	1I
		LU DIOCUL CONOD	PE220027 WAP INSTALL POTT SCHEME	B110	B110		1			J
73		HLP/00/1492/SB	ON 345KV CKT #64 TO WOLF	N/A	N/A				90	4 I
$\vdash$			PE220028 BLUE - BUILD NEW 345KV BKR				1			+
14		HLP/00/1493/SB	& 1/2 SWITCHYARD	N/A	N/A			91		1 I
124							1	$\vdash$		+
7.		HLP/00/1493/SB	PE220029 BAILEY - INSTALL POTT	N/A	N/A			91		I
75		l	SCHEME ON 345KV CKT #72 TO BLUE							

	A	В	(	К	I	М	N	O	li.	Q
5	displays the correspo in columns O through	chedule M-3.1 in columns A throu onding PUC RFI set 07 question n h Q, and adds responses to to starting in column S.				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 ato starting in column S.				
10	(1)	(2)	(3)	(11)	(12)	(13)				
11	Projects Submitted to ERCOT RPG	WBS#	(a) Project Name (with CCN Docket No., if Any)		Percent difference between Column G and (e) [% diff btwn actual and final actimate]	Variance Explanation			PUC RFI	7
76		HLP/00/1493/SB	PE220030 HILLJE - INSTALL POTT SCHEME ON 345KV CKT #72 TO BLUE	N/A	N/A			Ð		

	Á	В	(	К	ı	М	N	0	ĮΙ	Q
5	displays the correspo in columns O through	schedule M-3.1 in columns A throu onding PUC RFI set 07 question n h Q, and adds responses to to starting in column S.				This file starts with Schedule M-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 sto starting in column S.				
10	(1)	(2)	(3)	(11)	(12)	(13)				
11	Projects Submitted to ERCOT RPG	Wes#	(a) Project Name (with CCN Docket No., if Any)	(g) Percent difference between (c) and (e) [% diff blwn inital & final	Pércènt difference between Column G and (e) [% diff btwn actual and	Variance Explanation			PUC RFI 7	,
11		HLP/00/1497/SB	PE220031 HUNGERFORD - BUILD NEW 138KV BKR & 1/2 SWITCHYARD	N/A	N/A				92	
78		HLP/00/1497/SB	PE220032 DYANN - UPGRADE LINE RELAYING ON CKT 60 TO HUNGERFORD	N/A	N/A				92	
79		HLP/DD/1497/SB	PE22D033 DYANN - UPGRADE LINE RELAYING ON CKT 6D TO SOUTH LANE CITY	N/A	N/A				92	
80		HLP/00/1497/SB	PE220034 EAST BERNARD - UPGRADE LINE RELAYING ON CKT 60 TO HUNGERFORD	N/A	N/A				92	
81		HLP/00/1497/SB	PE220035 ORCHARD - UPGRADE LOOP BUS TO 525/580 MVA	N/A	N/A				92	
82		HLP/DD/1497/SB	PE220036 SOUTH LANE CITY - UPGRADE LINE RELAYING ON CKT 60 TO DYANN	N/A	N/A				92	
83		HLP/00/1498/SB	PE220050 RIVERSIDE - BUILD NEW 138KV BKR & 1/2 SWITCHYARD	N/A	N/A			93		
84		HLP/00/1498/SB	PE220051 CHAMON - INSTALL DUAL FIBER ON CKT #94 TO RIVERSIDE	N/A	N/A			93		
85		HLP/00/1498/SB	PE220052 PSARCO - INSTALL DUAL FIBER ON CKT #94 TO RIVERSIDE	N/A	N/A			93		
86		HLP/DD/15D1/SB	PE220069 DANBURY - BUILD NEW 138KV BKR & 1/2 SWITCHYARD	N/A	N/A				94	
87		HLP/00/1501/SB	PE220070 ANGLETON - UGRADE LINE RELAYING ON CKT 04 TO DANBURY PE220071 PETSON - UGRADE LINE	N/A	N/A				94	
88		HLP/00/1501/SB	RELAYING ON CKT 04 TO DANBURY	N/A	N/A				94	
89		HLP/00/1501/SB	PE220073 MONSAN - CONVERT 2ND DCB RELAY SCHEME TO POTT	N/A	N/A				94	
90		HLP/00/1501/SB	PE220075 HUDSON - UPGRADE LINE RELAYING ON 138KV CKT TO WEBSTER	N/A	N/A				94	
91		HLP/DD/15D1/SB	PE220076 WEBSTER - INSTALL POTT RELAY SCHEME ON 138KV CKT TO HUDSON	N/A	N/A				94	
92		HLP/DD/15D1/SB	PE220212 LIVERPOOL - ROUTE FIBER INTO CONTROL CUBICLET	N/A	N/A				94	

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The process of the							This file starts with Schedule M-3.1 in columns A through L.				
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Project Assistantial to NUSS   Project Many (puls of CAT post of Same )   Project Many (puls of Same )   Project Many (pul	9										
Project Assistantial to NUSS   Project Many (puls of CAT post of Same )   Project Many (puls of Same )   Project Many (pul	10	(1)	(2)	(3)	(11)	(12)	(13)				
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10   10   10   10   10   10   10   10	1 1		MDG44	(a) Project Name (with CCN Docket No., if		between Column	Variance Evaluation		1	PHORE	1.7
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HIPPOPTSISSES	93							4			
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NUMBER   PESSONS HANEY - MODIFY 138KY   NIA	97		HLP/00/1266/SB		N/A	N/A			1	:	<i>3</i> 6
SECTIONALIZENS   SECTIONALIZENS SCHEEK (AP)   N/A   N/A   N/A   SECTIONALIZENS SCHEEK (AP)   N/A   N/A   N/A   N/A   SECTIONALIZENS SCHEEK (AP)   N/A   N/A   N/A   N/A   SECTIONALIZENS SCHEEK (AP)   N/A   N/A   N/A   N/A   SECTIONALIZENS SCHEEK (AP)   N/A   N/A   N/A   N/A   SECTIONALIZENS SCHEEK (AP)   N/A   N/A   N/A   N/A   SECTIONALIZENS SCHEEK (AP)   N/A   N/A   N/A   N/A   SECTIONALIZENS SCHEEK (AP)   N/A	77							1		1	+
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100	<del>-</del>							1	$\vdash$	_	+
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103	1							1	$\vdash$	<del>                                     </del>	+-
HLP/ID01269/SB	100		HLP/00/1250/SB		N/A	N/A			8.	7	
103   HLP/DD/138WSB   SECTIONALIZING SCHEME (AP)   N/A   N								1			+
10.7	1 1		HLP/DD/125D/SB		N/A	N/A			9	7	
139/35KV SUBSTATION	101			SECTIONALIZING SCHEME (AP)							
139/35KV SUBSTATION								1			
1992   HLP/00/1389/SB	1 1		LU DIDDIGODAGED	PE210065 WORTHAM BUILD NEW	NUA	NUA			1	Ι.	\alpha
HLP/00/1386/SB	1 1		HLP7DU/13D8/SB	138/35KV SUBSTATION	NUA	NUA			1	'	<b>~</b>
103	102								1		
103								1			
103	1 1			DESCRIPTIONE BUILD MELLIAGORIA					1		
103	1 1		HLP/DD/1389/SB		N/A	N/A			9:	9	
HLP/00/1454/SB	1 1			SWITCHTARD _					1		
100   100	103										
100   100	Г			PE210068 EAGLE NEST BUILD NEW				1			
IDD     IDD   ID			HLP/DD/1454/SB		N/A	N/A			1	1 1	000
HLP/00/1454/SB PE10072 WEST COLUMBIA INSTALL POTT RELAY SCHEME ON CKT 02 TO EAGLE NEST N/A N/A N/A N/A HLP/DD/1454/SB PE10072 WEST COLUMBIA INSTALL POTT RELAY SCHEME ON CKT 02 TO EAGLE NEST N/A	11				1973	1,000			1	1 "	1
HLP/0D/1454/SB   SCHEME ON CKT 02 TO EAGLE NEST   N/A   N/A   N/A	104					ļ		1	L		—
HLP/0D/1454/SB   SCHEME ON CKT 02 TO EAGLE NEST   N/A   N/A   N/A			LUI BIOGRA AS AVOR	PE210071 BURKE INSTALL POTT RELAY		l			1	1	
HLP/DD/1454/SB	Last		MLP/UU/1454/5B		N/A	N/A			1	"	, U
HLP/DD/1454/SB	19.5							1	$\vdash$	+	+-
105			HI DADDA 1884 (28		N/A	N/A			1	1 4	10 40
HLP/0D/1216/SB/0003   PE180147 MILLER Upgrade Relaying on OCH #88 to Baytown (BP)   N/A	106		THE JOH ITOMAN		107	1000		1	I	1 "	~I **
107	1.00					l		1	$\overline{}$		+-
HLP/00/1216/SB/0003 PE18D148 BAYTOWN Upgrade Relaying on CKT #87 to MILLER (BP) N/A	107		HLP/DD/1216/SB/00D3		N/A	N/A			10	1	1 40
103  HLP/00/12/6/S/N0U3  CKT #37 to MILLER (BP)  N/A  N/A  N/A  N/A  N/A  N/A  102  496  HLP/00/1262/SB  PE190152 GREENS BAYOU RECONFIGURE 138/KV YARD (AP)  HLP/00/1338/SB  PE190152 GREENS BAYOU RECONFIGURE 138/KV YARD (AP)  N/A  N/A  N/A  N/A  N/A  N/A  103  496	Н					i		1		1	_
108	1		HLP/00/1216/SB/0003		N/A	N/A		1	10	ıl.	40
HLP/0D/1262/SB PE190034 REFUGE - BUILD NEW 345KV N/A N/A N/A N/A 109 HLP/0D/1262/SB PE190152 GREENS BAYOU RECONFIGURE 138KV YARD (AP) N/A N/A N/A 103 1496 HLP/0D/1338/SB PE190152 ANBUSH UPGRADE RELAYING N/A N/A N/A 103 1496	108			CKT #87 to MILLER (BP)		I			Ι		1
109	М					i		1		1	$\overline{}$
109				DE400094 REFLIGE - BUILD NEW SAEKU		I			1		1
109   SWITCHYARU (AP)	1		HLP/00/1262/SB		N/A	N/A			1	11	12 40
HLP/00/1338/SB PE190152 GREENS BAYOU N/A N/A N/A 103 1496 HLP/00/1338/SB PE190152 ANBUSH UPGRADE RELAYING N/A N/A N/A 103 1496	1			OUNTERTARD (AP)		I			1		1
110	109			<u> </u>		ļ		4	<u> </u>	1	
HLP/00/1338/SB	1		HLP/00/1338/SB		N/A	N/A			103	sl .	40
HILP/00/1338/SB ON 1398/Y CVT #09 TO GRY (AB) N/A N/A 1	110			RECONFIGURE 138KV YARD (AP)				4	L	1	4
HILP/00/1338/SB ON 1398/Y CVT #09 TO GRY (AB) N/A N/A 1	1		LII BIOGRAPSON D	PE190153 ANBUSH UPGRADE RELAYING	N/A	N. 100				,	
	1,,,		HLP/00/1338/SB		N/A	N/A			I 103	1	I 10
	111			<u> </u>							

	A	В	(	K	I	M	N	0	li.	Q
5	displays the corresponding columns O throug	ichedule W-3.1 in columns A throu onding PUC RFI set D7 question n h Q, and adds responses to tic starting in column S.				This file starts with Schedule $M$ -3.1 in columns A through L, displays the corresponding PUC RFI set 07 question numbers in columns 0 through $\mathbf{Q}_i$ and adds responses to the RFIs for parts $\mathbf{b}$ etc starting in column $\mathbf{S}$ .				
10	(1)	(2)	(3)	(11)	(12)	(13)				
11	Projects Submitted to ERCOT RPG	Wes#	(a) Project Name (with CCN Docket No., if Any)		Percent difference between Column G and (e) [% diff btwn actual and final actimate]				PUC RFI	7
112		HLP/DD/1338/SB	PE19D121 WHITE OAK REPLACE LINE PANEL ON 138KV CKT #03 TO GREENS BAYOU (AP)	N/A	N/A			103		106
113		HLP/00/1338/SB	PE190224 HARDY UPGRADE CARRIER EQUIPMENT ON CKT #95 TO GREENS BAYOU (AP)	N/A	N/A			103	496	

	A	В	(	К	I	M	N	0	Į!	Q
5	displays the corresponding columns O throug	ichedule M-3.1 in columns A throu onding PUC RFI set 17 question in h Q, and adds responses to to starting in column S.				This file starts with Schedule M-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 sto starting in column S.				
10	(1)	(2)	(3)	(11)	(12)	(13)				
11	Projects Submitted to ERCOT RPG	Wes#	(a) Project Name (with CCN Docket No., if Any)	(g) Percent difference between (c) and (e) [% diff blwn inital & final	Percent difference between Column G and (e) [% diff btwn actual and	Yariance Explanation			PUC RFI 7	,
114		HLP/00/1345/SB	PE200040 LIMBURG Limburg Substation (SUB) Build new 138kV	N/A	N/A			107		
115		HLP/00/1345/SB	PE2D041 SOUTHWYCK UPGRADE 138KV LINE SECTIONALIZING SCHEME	N/A	N/A			107		
116		HLP/00/1336/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/DD/1518/SB/00D3	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/DD/1424/SB/00D1	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/DD/1424/SB/00D1	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/DD/0017/SB	PE220318 MYKAWA BUILD NEW DUAL VOLTAGE DISTRIBUTION SUB 36kV & 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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$\sqcup$	A	В	(	K		M	N	0	li li	Q
1										
2										
		Schedule M-3.1 in columns A throi								
4	displays the corresp	onding PUC RFI set 07 question r	numbers			This file starts with Schedule M-3.1 in columns A through L,				
		h Q, and adds responses to				displays the corresponding PUC RFI set 07 question numbers				
		etc starting in column S.				in columns O through Q, and adds responses to				
Ť	ino Ki is ioi paite b	Ac starting in column o.				the RFIs for parts b ste starting in column S.				
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8										
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10	(1)	(2)	(3)	(11)	(12)	(13)	_			
				(g) Percent	Percent			1		
1 1				difference	difference			1		
1 1	Projects Submitted	WBS#	(a) Project Name (with CCN Docket No., if	between (c) and	between Column	Variance Explanation		1	PUC RFI 7	
1 1	to ERCOT RPG	MEGIN	Any)	(e) [% dfff btwn	G and (e) [% diff	variance explanation		1	0011111	
1 1				inital & final	btwn actual and			1		
11				actimate!	final actimatel					
П			PE200209 STRANG UPGRADE RELAYING				Ī			
1 1		HLP/DD/1414/SB/0002	AND CARRIER ON CKT87 TO CEDAR	N/A	N/A			113		
127		THE YEAR THE WORLD	BAYOU		13005			1		
1			PE200210 CEDAR BAYOU PLANT		<b>-</b>		1			
1 1		HLP/00/1414/SB/0002	UPGRADE RELAYING AND CARRIER ON	N/A	N/A		1	113		
ا بر ر		TEP/00/1414/30/0002		N/A	1904			1 13		
128			CKT87 TO STRANG	<u> </u>			4	$\vdash$		
1 1		l	PE200211 QUANUM UPGRADE RELAYING		l		1	1		
1,		HLP/DD/1414/SB/0005	AND CARRIER ON CKT85 TO CEDAR	N/A	N/A			113		
129			BAYOU				4	$\vdash$		
			PE200212 CEDAR BAYOU PLANT				1			
1 1		HLP/00/1414/SB/0005	UPGRADE RELAYING AND CARRIER ON	N/A	N/A		1	113		
130			CKT85 TO QUANUM	L	<u> </u>					
П			PE200213 BAYOU UPGRADE RELAYING				1			
1 1		HLP/DD/1414/SB/0001	AND CARRIER ON CKT79 TO MORGANS	N/A	N/A		1	113		
131			POINT					1		
1			PE200214 MORGANS POINT UPGRADE				1	$\vdash$		
1 1			RELAYING AND CARRIER ON CKT79 TO					1		
		HLP/DD/1414/SB/0006		N/A	N/A			113		
1			BAYOU, PRE-INSTALLDUAL FIBER					1		
132			CABLES				4			
1 1		HLP/00/1414/SB/0010	PE200215 CHORIN INSTALL DUAL FIBER	N/A	N/A			113		
133		THE FOR THE BROOK	ON CKT87 TO SRB							
1 1		HLP/DD/1414/SB/0004	PE200216 SRB UPGRADE WAVE TRAP ON	N/A	N/A			113		
134		THE YOU THIS BIGGOT	CKT87 TO CHORIN		14//					
			PE200217 CEDAR BAYOU PLANT							
1 1		HLP/00/1414/SB/0007	UPGRADE RELAYING AND CARRIER ON	N/A	N/A			113		
135			CKT84 TO HOPSON					1		
			PE200218 HOPSON UPGRADE RELAYING				1			
1		HLP/DD/1414/SB/0007	AND CARRIER ON CKT84 TO CEDAR	N/A	N/A			113		
136			BAYOU		I			1		
			PE200219 DECKER UPGRADE CKT83 TO		t		1			
137		HLP/00/1414/SB/0009	CEDAR BAYOU TO 498MVA	N/A	N/A			113		
1-7			PE190047 HOC - Install 138kV Series		<b>—</b>		┥	$\vdash$		
اسدرا		HLP/00/0130/SB/0025		N/A	N/A		1	1	114	
1.90		LU DIDDOMADO CORTA	Reactor (BP)				4	_	-	
1		HLP/00/0130/SB/0037 or	PE190048 WAP - Install 138kV Series	N/A	N/A			1	114	
139		HLP/DD/013D/SB/0036	Reactors (BP)				4			
		l	PE190074 BRITMO ORE - UPGRADE		I			1		
		HLP/00/0130/SB/0037	CARRIER EQUIPMENT ON 138KV CKT #09	N/A	N/A			1	114	
140			TO WAP (BP)				_			
			PE190075 FORT BEND - REMOVE							
1		HLP/00/0130/SB/0037	CARRIER EQUIPMENT ON 138KV CKT #09	N/A	N/A			1	114	
141			TO WAP (BP)					1		
			PE220236 WATERHOLE BUILD NEW CNP				1			
		HLP/00/1571/SB	345KV BKR-8-1/2 INTERCONNECTION	N/A	N/A		1	115		
142			SWITCHYARD	1	I		1	1		
			PE220237 BAILEY UPGRADE LINE		i		1			
144		HLP/00/1571/SB	RELAYING ON CKT62 TO WATERHOLE	N/A	N/A		1	115		
151.5					<b>I</b>		Η	$\vdash$		
		LU DIDD(1571/CD	PE220238 JONES CREEK UPGRADE LINE	l Ma	ына		1	440		
ايررا		HLP/00/1571/SB	RELAYING ON CKT62 TO WATERHOLE	N/A	N/A			115		
144							4	$\vdash$		
			1		I		1	1		
			PE220319 GULFTIE BUILD NEW CNP					1		
1		HLP/DD/1577/SB	138KV BKR-&-1/2 INTERCONNECTION	N/A	N/A			1	116	
			SWITCHYARD					1		
145			I		I		1	1		
145		l .	<u> </u>							

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4 5 6	displays the correspo n columns O through	chedule M-3.1 in columns A throu onding PUC RFI set 07 question n n Q, and adds responses to to starting in column S.				This file starts with Schedule M-2.1 in columns A through L, displays the corresponding PUC RFI set 07 question numbers in columns 0 through Q, and adds responses to the RFIs for parts b sto starting in column S.				
8 9 10	(1)	(2)	(3)	(11)	(12)	(13)				
11	Projects Submitted to ERCOT RPG	Wes#	(a) Project Name (with CCN Docket No., if Any)	(g) Percent difference between (c) and (e) [% diff blwn inital & final	Pércént difference between Column G and (e) [% diff btwn actual and	Variance Explanation			PUC RFI	7
146		HLP/DD/157D/SB	PE220223 MONSAN UPGRADE HUDSON CKT04 TO MINIMUM 507/507MVA	N/A	N/A			117		
147		HLP/00/1570/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/00/1567/SB	PE220218 ARCHER BUILD NEW CNP 138KV BKR-8-1/2 INTERCONNECTION SWITCHYARD	N/A	N/A				118	J
150		HLP/00/1567/SB	PE220219 KARSTEN UPGRADE LINE RELAYING ON CKT26 TO ARCHER	N/A	N/A				118	
151		HLP/00/1567/SB	PE220220 ANGLETON UPGRADE LINE RELAYING ON CKT26 TO ARCHER MIN 384/384MVA	N/A	N/A				118	1
152		HLP/00/1512/SB	PE220057 WEST COLUMBIA - UPGRADE 138KV YARD FAULT DUTY TO 63KA	N/A	N/A			119		
153		HLP/DD/15DD/SB	PE220053 SMITHERS - BUILD 345KV LINE POSITION FOR NEW GENERATOR	N/A	N/A				120	
154		HLP/DD/1486/SB	PE210082 WEST COLUMBIA Expand 138 kV Ring Bus to Connect New Generator	N/A	N/A			121		
155		HLP/00/1419/SB/0001	PE210034 SRB REMOVE 69KV FACILITIES & ADD 138KV BUS TIE BKR	N/A	N/A				122	!
156		HLP/00/1419/SB/0003	PE210035 SRB INSTALL 100MVAR CAP BANK	N/A	N/A				122	
157		HLP/00/1419/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/00/1419/SB/0002	PE210038 DEEPWATER RECONFIGURE 69KV SRB CKT AS SOUTH CHANNEL CKT	N/A	N/A				122	:

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		Schedule M-3.1 in columns A throu								
		onding PUC RFI set 07 question n	umbers			This file starts with Schedule M-3.1 in columns A through L,				
5_i	n columns O through	h Q, and adds responses to				displays the corresponding PUC RFI set 07 question numbers				
		etc starting in column S.				in columns O through Q, and adds responses to				
7						the RFIs for parts blete starting in column S.				
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1 1		WBS#		between (c) and	between Column	Variance Explanation	1 '		PUC RFI 7	, I
1 1	to ERCOT RPG		Any)	(e) [% dff btwn	G and (e) [% diff		1 '	l		
11				inital & final	btwn actual and		1 '	l		
₩				actimate	final estimatel		į '	<u>.                                    </u>		
1 1		HLP/00/1233/SB/0001	PE210077 WHITE OAK INSTALL 2ND	N/A	N/A		1 '	123		l I
160		11217441120010210001	138/69 KV AUTO				1 '			
1 1			PE210078 WHITE OAK UPGRADE 69 KV				1 '	l		l I
		HLP/00/1233/SB/0002	CKT 34 TO HEIGHTS TO MIN 192/192 MVA	N/A	N/A		1 '	123		I
161			and an io height a following 192192 MITA				_ '			
			PE210079 HEIGHTS UPGRADE 69 KV CKT			<del></del>	1 '			
		HLP/00/1233/SB/0002		N/A	N/A		1 '	123		I
16.2			34 TO WHITE OAK TO MIN 192/192 MVA				1 '			<b> </b>
$\Box$			PE210080 SAN FELIPE UPGRADE				1 '			$\vdash$
		HLP/00/1233/SB/0001	CARRIER EQUIP ON 138 KV CKT 09 TO	N/A	N/A		1 '	123		I
163			WHITE OAK				1 '	''		I
H			PE210256 DEIHL - INSTALL 11TH 8 12TH				1 '	$\vdash$		$\vdash \vdash$
164		HLP/00/1325/SB	12KV FEEDERS	N/A	N/A		'	123		l I
10.1			PE220089 AIRLINE - INSTALL 12TH 12KV				1 '	$\vdash$		1
16.5		HLP/00/1460/SB	FEEDER	N/A	N/A		1 '	123		l I
10.7			PE220085 CROCKETT - INSTALL 3RD				<b>∤</b> ′	$\vdash$		-
166		HLP/DD/1184/SB		N/A	N/A		1 '	123		l I
100			TRANSFORMER & 3-12 KV FEEDERS				· '	$\vdash$		-
167		HLP/DD/1337/SB	PE210020 Jones Creek - Install new 138kv	N/A	N/A		1 '	l	124	l I
167			positions				4 '	$\longmapsto$		-
Il		HLP/00/1337/SB	PE210021 Velasco - Reconfigure for new	N/A	N/A		1 '	l	124	l I
168			Jones Creek ckt				1 '			
1		HLP/00/0130/SB/0044	PE2DD088 JONES CREEK -	N/A	N/A		1 '	l	124	l I
169		The years rear edited to	RECONFIGURE 138KV SWITCHYARD				1 '	$\vdash$		
1 1							1 '	l		l I
1 1							1 '	l		l I
1 1		HLP/00/1278/SB	PE180217 NASH - CONVERT TO 138KV	N/A	N/A		1 '	125		l I
1 1		HLP)00/12/0/36	OPERATION (AP)	1910	1000		1 '	123		l I
1 1							1 '	l		l I
170							1 '	l		l I
$\Box$			PE170066 HOFMAN - REPLACE LINE				1 '			
		HLP/00/1246/SB	PANEL ON CKT #02 TO BASF & REPLIRTU	N/A	N/A		1 '		126	<b> </b>
171			(AP)				1 '			<b> </b>
$\Box$			PE170067 BASF - REPLACE LINE PANEL 8				1 '			
		HLP/00/1246/SB	JUMPERS ON CKT #02 TO HOFMAN 8	N/A	N/A		1 '		128	I
172			REPL RT (AP)				1 '			I
			PE180214 LAKE HOUSTON - UPGRADE				1 '	$\vdash$		$\vdash$
174		HLP/00/1246/SB	CKT #02 LOOP BUS	N/A	N/A		1 '		128	<b> </b>
12.2			OKT WAS LOOF BOO				1 '	$\vdash$		$\vdash$
					1		1 '			I
			BERLARAR LUMI BUNGE COMPANIE		1		1 '			I
		HLP/DD/148D/SB/00D1	PE210096 Hillje - BUILD NEW 345KV LINE	N/A	N/A		1 '	127		<b> </b>
			POSITION FOR NEW GENERATOR		l		1 '	[ ""		<b> </b>
					1		1 '			I
174							] '			
						<u> </u>	1 '			
					1		1 '			I
		HLP/DD/1445/SB	PE210039 Angleton - Install Line Position for	N/A	N/A		1 '		128	I
		110.700 111000	New Generator (MYRTLE)	13011	1 1000		1 '		120	<b> </b>
1,-,1							1 '			<b> </b>
175			DEDUCATION AND ADDRESS OF THE PARTY OF THE P				· '	$\vdash$		igwdown
		l	PE210067 Cedar Creek - BUILD NEW	l	l		1 '	I!		I
11		HLP/00/1453/SB	345KV SWITCHYARD TO CONNECT NEW	N/A	N/A		1 '	129		I
176			GENERATOR				1 '	igsquare		oxdot
17			PE210069 Bailey - INSTALL POTT RELAY				1 '	I <sup>□</sup>		1
		HLP/DD/1453/SB	SCHEME ON CKT 72 TO CEDAR CREEK	N/A	N/A		1 '	129		I
177							_ '			لــــــا
		HLP/DD/1463/SB	PE210070 WAP - INSTALL POTT RELAY	N/A	N/A		1 '	129		
178		110 700 1403/40	SCHEME ON CKT 72 TO CEDAR CREEK	INC	19073			129		
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11	Projects Submitted to ERCOT RPG	Wes#	(a) Project Name (with CCN Docket No., if Any)	difference between (c) and (e) [% diff blwn inital & final	difference	Variance Explanation			PUC RFI	7
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	0
181		HLP/00/0996/SB	PE210234 WEBSTER - UPGRADE MANVEL 89KV LINE RELAYING FOR ALVIN BYPASS	N/A	N/A				130	
182		HLP/00/0996/SB	PE23D002 ALVIN - CONVERT TO 138KV OPERATION & INSTALL 2ND TRF	N/A	N/A				130	
183		HLP/DD/0996/SB	PE23D003 MANVEL - CONVERT TO 138KV OPERATION	N/A	N/A				130	0
184		HLP/DD/0996/SB	PE230018 HOC - DISCONNECT 69KV CKT 53 TO KARSTEN	N/A	N/A				134	
185		HLP/00/0996/SB	PE230019 WEBSTER - REMOVE 69KV FACILITIES (INCLUDING AUTO)	N/A	N/A				130	
186		HLP/DD/0996/SB	PE230021 KARSTEN - REMOVE 69KV FACILITIES & REVISE LINE RELAYING ON 138KV CKT6 TO ANGLETON	N/A	N/A				134	
187		HLP/DD/1162/SB	PE210063 WALLER INSTALL 2ND TRF AND 35KV FEEDER	N/A	N/A			13	1	
188		HLP/00/1226/SB	PE190051 READING - Install (2) 100 MVA TRF's & (3) 35kV Feeders (BP)	N/A	N/A				130	2
189		HLP/00/1112/SB	PE150234 HOC - CONVERT TRFS #1. #2, & #3 TO 138KV OPERATION	N/A	N/A			13	}	
190		HLP/DD/0936/SB	PE180144 HOC - REPLACE CONVENTIONAL SUB WITH BKR & HALF	N/A	N/A			13	3	
191		HLP/DD/1162/SB	PE160410 RED BLUFF BUILD NEW 138/12KV SUBSTATION	N/A	N/A				13-	4
192		HLP/DD/1117/SB	PE180135 DUNLAVY - UPGRADE 69KV CKT #31 TO HEIGHTS (BP)	N/A	N/A			13	,	
193		HLP/00/1117/SB	PE180136 HEIGHTS - UPGRADE 69KV CKT #31 TO DUNLAVY	N/A	N/A			13	5	
194		HLP/00/1525/SB	PE22D211 HEIGHTS - UPGRADE DUNLAVY CKT31	N/A	N/A			13	3	
195		HLP/00/1190/SB	PE180044 CEDAR BAYOU PLANT UPGRADE 138KV CKT #87 TO STRANG	N/A	N/A				136	5

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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/DD/119D/SB	PE180034 SRB UPGRADE 138KV CKT #87 TO CHORIN, INCREASE AMPACITY	N/A	N/A				136	
198		HLP/DD/119D/SB	PE180043 CHORIN UPGRADE 138KV CKT #87 TO STRANG, INCREASE AMPACITY (BP)	N/A	N/A			·	136	
199		HLP/00/1190/SB	PE17D088 STRANG UPGRADE AMPACITY OF CUSTOMER SUBSTATION	N/A	N/A				138	

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		n Q, and adds responses to				displays the corresponding PUC RFI set 07 question numbers				
6		to starting in column S.				in columns O through Q, and adds responses to				
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19	(1)	(2)	(3)	(11) (g) Percent	(12) Percent	(13)	1			
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1 1	Projects Submitted		(a) Project Name (with CCN Docket No., if	between (c) and	between Column			l	PUC RFI	,
1 1	to ERCOT RPG	WBS#	Any)	(e) [% dff btwn	G and (e) [% diff	Variance Explanation		l	PUC REI	<b>'</b>
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1 1										l I
1 1			DESASSO MISSOURI SITU MOTALI ADD							l I
1 1		HLP/DD/1288/SB	PE210060 MISSOURI CITY INSTALL 3RD TRF AND (2) 12KV FEEDERS	N/A	N/A			137		l I
1 1			TIN AND (2) IZRO I EEDENG							l I
200										<b> </b>
М	ľ		PE210028 WEST GALVESTON - ADD 3RD				1			-
201		HLP/DD/1444/SB	12KV, 50MVA TRANSFORMER	N/A	N/A				138	I
201			PE200260 SPARES-PURCH 30/40/50 MVA				1	$\vdash$		$\vdash$
202		HLP/DD/1444/SB	POWER TRE	N/A	N/A				138	1 1
202			POWER IN				1			
1 1			PE190002 JONES CREEK BUILD NEW							l I
1 1		HLP/DD/1344/SB	138/12KV SUBSTATION (AP)	N/A	N/A			139		l I
203			103 1211 0000111110117417							l I
202			PE220037 SAN BERNARD BUILD NEW				1			
204		HLP/00/1482/SB/0001	138KV BKR & 1/2 SWITCHYARD	N/A	N/A				140	
П			PE220038 SOUTH LANE CITY INSTALL							
		HLP/DD/1482/SB/0001	POTT SCHEME ON 138KV CKT TO SAN	N/A	N/A				140	1 1
205			BERNARD				4			-
1 1		LU DIOCG 40 2G DG2004	PE220041 WEST COLUMBIA UPGRADE	N/A	N/A				140	
206		HLP/00/1482/SB/0001	RELAY SCHEME ON CKT 04 TO SAN BERNARD	N/A	IVA				140	1 1
			PE220058 WEST COLUMBIA UPGRADE				1			
		HLP/DD/1482/SB/0001	138KV CKTQ4 TO SAN BERNARD TO MIN	N/A	N/A				140	<b> </b>
207			61D/84D MVA RATIN				]			
		HLP/DD/1483/SB/0001	PE220065 JONTE - BUILD NEW 138KV	N/A	N/A			141		
208			BKR & 1/2 SWITCHYARD		1,777		-	L		$\vdash$
		HLP/00/1483/SB/0001	PE220066 NORTH BELT - UGRADE LINE	N/A	N/A		1	141		ı I
209		HEFTOG 1403/40/UUU1	RELAYING ON CKT TO JONTE	INCO.	10074			'*'		<b> </b>
F	ŀ						1			$\vdash$
		HLP/00/1483/SB/0001	PE220067 HARDY - UPGRAD CARRIER ON	N/A	N/A			141		<b> </b>
210			CKT TO JONTE				]			I
		HLP/DD/1483/SB/0001	PE220068 CROSBY - UPGRAD CARRIER	N/A	N/A			141		
211	ļ		ON CKT TO JONTE		.,,,,		-	L		$\vdash$
1 1		LII BIOCG 4000 BIODOS	PE200387 PHR - UPGRADE RELAYING ON	N/A	N/A				142	j 1
212		HLP/00/1468/SB/0001	CKT 02 & CKT 03 TO ATTWATER (TNMP) (PHASE I)	INCH	1904				142	1 I
۳	ŀ		(THINE I)				1			$\vdash$
		LII BANNIA 489 (S.B.INNINA	PE210175 PHR - UPGRADE 138KV CKT 02	N/A	N/A		1		142	ı I
1		HLP/00/1468/SB/0001	TO TOPAZ (TNMP)	INCH	1904				142	I
213			DEGLESTE DUE LIDODADE ABOUT THE				-	L		
544		HLP/DD/1468/SB/00D2	PE21D176 PHR - UPGRADE 138KV CKT 03 TO TOPAZ (TNMP)	N/A	N/A				142	I
217	1						1	$\vdash$		
			PE210179 PHR - UPGRADE RELAYING ON							<b> </b>
		HLP/00/1468/SB/0001	CKT 02 & CKT 03 TO ATTWATER (TNMP)	N/A	N/A		1		142	I
215			(PHASE 2)				1			ı I
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11	Projects Submitted to ERCOT RPG	Wes#	(a) Project Nams (with CCN Docket No., if Any)	(g) Percent difference between (c) and (e) [% diff btwn inital & final actimate)	Percent difference between Column G and (e) [% diff btwn actual and	Variance Explanation			PUC RFI 7	7
216		HLP/00/1472/SB/0001	PE230028 ZENITH - EXPAND 138KV YARD TO INSTALL RADIAL CKT	N/A	N/A			143		
217		HLP/00/1472/SB/0002	PE230029 VILLAGE CREEK - CONVERT FROM LOOP TO DOUBLE TAP CONFIGURATION	N/A	NJA			143		
217 218		HLP/00/1396/SB	PE200042 BEASLY - BUILD NEW 138KV SWITCHYARD	N/A	N/A				144	
219	,	HLP/00/1395/SB	PE200043 EAST BERNARD - UPGRADE CARRIER ON CKT #60	N/A	N/A				144	
220		HLP/00/1395/SB	PE200044 SEALY - UPGRADE 138KV LOOP BUS TO 250MVA	N/A	N/A				144	

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221		HLP/00/0055/SB/0143	PE200256 ENCO - Install SCADA set at New Customer Sub	N/A	N/A			145		
222		HLP/DD/0095/SB/0115	PE2DD257 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	PE2DD291 HARRISBURG - REMOVE AND RELOCATE 12KV 1D.8WVAR 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/DD/0798/SB	PE190008 VELASCO - ADD FIBER (DUAL PILOT) TO CKT #48 TO MARINE	N/A	N/A		1		146	
232		HLP/DD/0055/SB/014D	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/DD/1286/SB	PE210055 BRITMOORE - INSTALL 3RD TRF AND (2) 12KV FEEDERS	N/A	N/A				148	
236		HLP/DD/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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5 6 7	in columns O throug	h Q, and adds responses to tic starting in column S.				displays the corresponding PUC RFI set 07 question numbers in columns 0 through Q, and adds responses to the RFIs for parts b site starting in column S.				
8 9 10	245	(2)	200	2445	2400	(13)				
13	(1)	(2)	(3)	(g) Percent	(12) Percent	(14)	1 Г			
11	Projects Submitted to ERCOT RPG	WBS#	(a) Project Name (with CCN Docket No., if Any)	difference between (c) and (e) [% diff blwn inital & final estimate)	difference between Column G and (e) [% diff btwn actual and final estimate]	Variance Explanation		F	UC RFI 7	
238		HLP/DD/1259/SB	PE190063 PARKWAY - INSTALL 7TH & 8TH 12KV FEEDERS (BP)	N/A	N/A				150	
239		HLP/00/0596/SB	PE2DD095 WHARTON - INSTALL 7TH 12KV FEEDER (BP)	N/A	N/A			151		
240		HLP/00/1041/SB	PE2DD097 HOLMES - INSTALL 11TH & 12TH 12KV FEEDERS (AP)	N/A	N/A				152	
241		HLP/DD/106D/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/00/1289/SB	PE200074 PLAZA - INSTALL 3RD TRF AND (2) 35KV FEEDERS. EXTEND 138KV RING (AP	N/A	N/A			155		
244		HLP/00/1357/SB	PE2D076 NEEDVILLE - INSTALL 5TH & 6TH 12KV FEEDERS (BP)	N/A	N/A				156	
245		HLP/DD/14D2/SB	PE200089 JORDAN - INSTALL 5TH & 6TH 35KV FEEDERS (BP)	N/A	N/A			157		
246		HLP/00/1437/SB	PE2D103 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/00/1437/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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5 6 7 8 9	in columns Dithroug the RFIs for parts be	h Q, and adds responses to to starting in column S.				displays the corresponding PUC RFI set 07 question numbers in columns O through Q, and adds responses to the RFIs for parts b sto starting in column S.				
10	(1)	(2)	(3)	(11) (g) Percent	(12) Percent	(13)	, -			
11	Projects Submitted to ERCOT RPG	WBS#	(a) Project Name (with CCN Docket No., if Any)	difference between (c) and (e) [% diff blwn inital & final	difference between Column G and (s) [% diff btwn actual and	Variance Explanation		F	PUC RFI 7	
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	PE210056 CLODINE - INSTALL 4TH TRF AND (2) 12KV FEEDERS	N/A	N/A				162	
253		HLP/00/1398/SB	PE2DD099 WHITE OAK - Install 15th 12kV Feeder (AP)	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/DD/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/DD/1249/SB	PE190046 SPRINGWOOD - Insti 2 TRF's & 6 Fdrs IFDN	N/A	N/A			167		
258		HLP/00/1123/SB	PE160236 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 PE180010 JONES CREEK - Install 2nd	N/A	N/A		[	169		
260		HLP/DD/0095/SB/0087	138kV 160mvar Cap Bank	N/A	N/A		↓	169		
261		HLP/DD/0096/SB/0087	PE180032 VELASCO - Install 2nd 138kV 120MVAR CB	N/A	N/A			169		

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10	(1)	(2)	(3)	(11) (g) Percent	(12) Percent	(13)	_						
11	Projects Submitted to ERCOT RPG	Wes#	(a) Project Name (with CCN Docket No., if Any)	(g) Percent difference between (c) and (e) [% diff blwn inital & final	Percent difference between Column G and (e) [% diff btwn actual and	Yariance Explanation		I	PUC RFI 7	r			
26.2		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	PE190056 STEWART - Replace 10mvar reactor with 5mvar reactor	N/A	N/A				170				
265		HLP/00/0095/SB/0111	PE19D136 HARRISBURG - Remove&Relocate 12kV CapBank	N/A	N/A			171					
266		HLP/DD/0096/SB/0111	PE190136 HEIGHTS - Install 12kV Cap Bank at TRF #1	N/A	N/A			171					
267		HLP/00/0095/SB/0112	PE2DD194 VILLAGE CREEK - Install(2) 14.4 MWAR 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/00/0096/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 8 2-35KV FEEDERS PLUS 4 CKTS	N/A	N/A		_	175					
271		HLP/00/1319/SB	PE230044 FAIRBANKS - INSTALL 10TH 35KV FEEDER	N/A	N/A				176				
212		HLP/00/1506/SB	PE220087 ANGLETON - UPGRADE TRANSFORMERS & CONVERT TO LOW PROFILE	N/A	N/A			177					
273		HLP/DD/15D7/SB	PE220093 THW - INSTALL 10TH 35KV FEEDER	N/A	N/A				178				
274		HLP/DD/1576/SB	PE230043 SPRINGWOOD - INSTALL 138KV BKR STATION	N/A	N/A			179					
275		HLP/DD/1576/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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	7 This file starts with Schedule M-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 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.  This file starts with Schedule M-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.  This file starts with Schedule M-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.  This file starts with Schedule M-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.  This file starts with Schedule M-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.  This file starts with Schedule M-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.  This file starts with Schedule M-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.  This file starts with Schedule M-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 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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11	Projects Submitted to ERCOT RPG	WBS#	(a) Project Name (with CCN Docket No., if Any)	difference	difference	Variance Explanation	PUC RFI 7					
277		HLP/00/1417/SB	PE23D341 TWINWOOD - INSTALL 138/35KV MOBILE SUBSTATION	N/A	N/A		180					
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9	785	200	2003	2445	(40)	2470							
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11	Projects Submitted to ERCOT RPG	WBS#	(a) Project Name (with CCN Docket No., if Any)	difference	difference between Column G and (e) [% diff btwn actual and final ectimate]	Variance Explanation			PUC RFI	7			
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10	745	(9)	(3)	7445	(40)	(13)				
11	Projects Submitted to ERCOT RPG	WBS#	(a) Project Name (with CCN Docket No., if Any)	(11) (g) Percent difference between (c) and (e) [% diff blum inital & final actimate]	Percent difference between Column G and (e) [% diff btwn actual and				PUC RE	17
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6	the RFIs for partsb	etc starting in column S.				in columns O through Q, and adds responses to				
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11	Projects Submitted to ERCOT RPG	WBS#	(a) Project Name (with CCN Docket No., if Any)		(12) Percent difference between Column G and (e) [% diff btwn actual and final actilizate]	Variance Explanation		PL	JC RFI 7				
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	Projects Submitted	WBS#	(a) Project Name (with CCN Docket No., if		<ul> <li>b. The need for these projects.</li> </ul>	<ul> <li>d. How these projects were selected among</li> </ul>	d. The initial budget for these projects.
	to ERCOT RPG	, ves	Any)		a. The need for these projects.	possible alternatives.	a. The minar badget for these projects.
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			PE190001 Install 3rd 800MVA Auto				
		HLP/00/1115/SB/0002	Transformer (BP)				
			Transionner (or)				
					This project was part of the Freeport Area Master	Project was submitted for ERCOT Regional	]
					Plan. Please see project need and description in	Planning Group (RPG) review and approval. Refer	S31,666,315
1.3					Schedule M-1 and M-2.	to the attached RPG submittal for alternatives.	]
$\Box$		HLP/DD/1115/SB/0005	PE190012 Loop 345kV STP/DOW CKT #27			1	]
14		minora i i i ora isruuus	Into Jones Creek (BP)			1	]
		LU DIDDOLLA COD COOR	PE190013 4th 138kV, 120MVAR Cap Bank				
		HLP/00/1115/SB/0003	and (2) Automatic Cap Banks				
15			(-,				
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			PE180030 SOUTHWYCK - RECONFIGURE				
11		HLP/00/1114/SB/0001	& UPGRADE 138KV CKT #05 LOOP BUS				
16			(BP)		This project was part of the Southwyck - Algoa	Project was submitted for ERCOT Regional	
Н			PE180151 HOC - Upgrade Line Relaying &		Corner Rebuild Project, Please see project need	Planning Group (RPG) review and approval. Refer	\$957.608
17		HLP/DD/1114/SB/00D1	Carrier on 138kV CKT #26 to Karsten		and description in Schedule M-1 and M-2.	to the attached RPG submittal for alternatives.	
Н			PE18D152 KARSTEN - Upgr Line Relaying &		İ '		
11		HLP/DD/1114/SB/00D1	Carrier on 138kV CKT #26 to HOC & Repl				
18			RTU				
			PE190056 BIG CREEK - BUILD NEW				
19		HLP/DD/0997/SB/00D4	138/12KV SUBSTATION (BP)			1	]
$\Box$			PE190042 DAMON - CONVERT TO 138KV			1	]
20		HLP/00/0997/SB/0007	OPERATION (BP) _				
П		LIL BIOCHANCE B	PE190043 West Columbia - Convert to			1	]
21		HLP/00/1349/SB	138kV Operation			1	]
		HLP/00/0997/SB/0003	PE200020 NEEDVILLE - BUILD NEW			1	]
22		11E-100/099/1010/0003	138/12KV SUBSTATION IT		These projects were part of the Ft Bend – West	Project was submitted for ERCOT Regional	]
		HLP/00/0997/SB/0005	PE200021 FORT BEND - CONVERT CKT		Columbia Conversion Project. Please see project	Planning Group (RPG) review and approval. Refer	533,124,680
23		/budoarradidddb	#45 TO 138KV OPERATION		need and description in Schedule M-1 and M-2.	to the attached RPG submittal for alternatives.	555,127,000
			PE2DD022 WEST COLUMBIA - CONVERT				
		HLP/00/0997/SB/0009	CKT #45 TO 138KV OPERATION				
24							
11		HLP/00/0997/SB/0001	PE200023 WAP - REPLACE CARRIER			1	]
25			EQUIPMENT CKT #02 TO W. COL			1	]
			PE200024 TEXWES - DISCONNECT				
.,		HLP/00/0997/SB/0006	CUSTOMER SUB & CONV TO				
26			DISTRIBUTION SERVICE				
			PE200100 DEEPWATER - RECONNECT				
[ , , l		HLP/00/1408/SB/0002	138KV SWITCHYARD & INSTALL 800 MVA				
-   - /			AUTO TRF		These projects were port of the Deep	Project upo gubroitted for ERCOT Posicional	
		LIL BUDDIA 400 (C B (2004	PE200101 DEEPWATER - UPGRADE		These projects were part of the Deepwater Auto	Project was submitted for ERCOT Regional	\$11,334.965
20		HLP/00/1408/SB/0001	138KV YARD FAULT DUTY TO 8DKA (AP)		Project. Please see project need and description in Schedule M-1 and M-2.	to the attached RPG submittal for alternatives.	\$11,004.900
28		<b>—</b>	PE200133 LYDELL - INSTALL 2ND FIBER		Seriedule NFT allu NF2.	to the attached fund submittal for alternatives.	]
1 1		LU DIDDI ADOCE RIGIGIO				1	]
30		HLP/00/1408/SB/0002	OPTIC CABLE ON CKT #70 TO DEEPWATER			1	]
$-\mu$			PE210029 JORDAN - INSTALL 3RD				
			800MVA AUTO TRF / PE210033 JORDAN -			1	]
1 1		HLP/00/1416/SB/0003	LOOP 345KV CKT #97 TO			1	]
Lack			CHAMBERS/KING			1	]
20			PE210030 JORDAN - UPGRADE 138KV				
11		HLP/00/1416/SB/0001	YARD TO 80KA				
.21		1	THIS TO BUILD				

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32		HLP/DD/1416/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	Project was submitted for ERCOT Regional Planning Group (RPG) review and approval. Refer	\$19,266,464
33		HLP/00/1416/SB/0002	PE210032 KING - UPGRADE CARRIER ON CKT #97 TO JORDAN (WAS CHAMBERS)		description in Schedule M-1 and M-2.	to the attached RPG submittal for alternatives.	
34		HLP/00/0055/SB/0142	PE220008 PLACID - INSTALL SCADA SET AT NEW CUSTOMER SUB				
35		HLP/00/0055/SB/0142	PE220009 RIGBY - INSTALL DUAL FIBER OPTIC CABLES ON CKT #86 TO PLACID				

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			DESCRIPTION IN PROPERTY MENTALINE				
1 1		HLP/DD/1425/SB/0001	PE220012 JORDAN - INSTALL NEW LINE				
36			POSITION FOR 138KV CKT TO WINFRE				
-			PE220013 MONT BELVIEU - INSTALL LINE	1			
1 1		LIL BIOGGIAGO (CB/DDD4					
1		HLP/00/1425/SB/0001	POSITION FOR NEW 138KV CKT TO		l		
37			LNGSTN	1	I		
			PE220014 DALTON - UPGRADE LINE		l		
1 1		HLP/DD/1425/SB/0001	RELAYING ON MONT BELVIEU CKT (WAS	I	I		
38			WINFRE)	I	I		
$\Box$			PE220015 WINFRE - UPGRADE LINE	1	l		
		HLP/00/1425/SB/0001	RELAYING ON EAGLE CKT (WAS	I	I		
10		1161 3007 1423/3010001		1	l		
57			LANGSTON)	-	l		
			PE220016 WINFRE - UPGRADE LINE	I	I		
1 1		HLP/DD/1425/SB/00D1	RELAYING ON JORDAN CKT (WAS				
40			DALTONI		These projects were part of the Mt Belvieu	Project was submitted for ERCOT Regional	
П			PE220017 LNGSTN - UPGRADE LINE	1	Reliability Upgrades Project, Please see project	Planning Group (RPG) review and approval. Refer	55,892.494
1 1		HLP/00/1425/SB/0001	RELAYING ON CHEVRON CKT (WAS		need and description in Schedule M-1 and M-2.	to the attached RPG submittal for alternatives.	·
41		112170011420100001	WINFRE)		I south the description in a survey of the term of the	to the bridge of the second of	
-				1			
1 1		l	PE220018 EAGLE - UPGRADE LINE				
11		HLP/DD/1425/SB/D001	RELAYING ON WINFRE CKT (WAS				
42			CHEVRON)				
			PE220019 CHEV - UPGRADE LINE	1			
1 1		HLP/00/1425/SB/0001	RELAYING ON LANGSTON CKT (WAS				
43			EAGLE)				
Н			PE22002D CHEV - UPGRADE CBY CKT86	1			
144		HLP/00/1425/SB/0001					
44			TO MIN 669/WVA EMER RATING	1	l		
1 1			PE220022 CEDAR BAYOU PLANT -				
1 1		HLP/00/1425/SB/0001	UPGRADE CHEVRON CKT86 TO MIN				
45			669MVA EMER RATING				
		LIL DIOCULARCIC DIOCOL	PE220023 WARVUE - UPGRADE LINE	1			
46		HLP/00/1425/SB/0001	RELAYING ON CKT TO MONT BELVIEU				
$\Box$			PE200221 WALLIS - UPGRADE 138KV	1			
47		HLP/00/1412/SB/0003	CKT65 LOOP BUS TO 40D0A (AP)	1	l		
			PE200233 EAST BERNARD - UPGRADE	1	l		
48		HLP/DD/1412/SB/00D1		I	These projects were part of the Wallis - Peters okt	Project was submitted for ERCOT Regional	
45			138KV CKT65 TO GEBHRT TO 40DDA	1	65 Rebuild Project. Please see project need and	Planning Group (RPG) review and approval. Refer	\$2,754,286
اا		HLP/DD/1399/SB	PE220054 SEALY - UPGRADE 138KV	I	description in Schedule M-1 and M-2.	to the attached RPG submittal for alternatives.	· ·
49			CKT65 LOOP BUS TO 4000A	I	·		
		HLP/00/1399/SB	PE220055 PETERS - UPGRADE 138KV	1	l		
50		TIEFOUN TOBBROD	CKT65 TO GEBHRT TO 4000A				
				1			
		HLP/00/1236/SB	PE200207 ANGLETON - UPGRADE CKT04	1	l		
51			TO WEST COLUMBIA TO 368MVA (BP)	I	I		
			DESCRIPTION AND A STREET COLUMNS IN THE COLUMNS IN	1	I		
		I	PE200208 WEST COLUMBIA - UPGRADE	I	I		
1		HLP/00/1235/SB	CKT04 TO WEST COLUMBIA TO 368MVA	I	These projects were part of the Angleton - West	Project was submitted for ERCOT Regional	
52			(BP)	1	Columbia ckt 04 RB/RC Project. Please see project		\$2,277,183
17			PE220097 ANGLETON - UPGRADE CKT D4	1	need and description in Schedule M-1 and M-2.	to the attached RPG submittal for alternatives.	<b>VELOTITION</b>
		HLP/00/0922/SB/0014	TO WEST COLUMBIA TO 4000A		noos ans seediption in ostroduction to blid 1912.	to the attended for a submitted for electricityes.	
53			CONTINUOUS RATING	I	I		
			PE220098 WEST COLUMBIA - UPGRADE	1	I		
1 1		HLP/00/1235/SB/0001	CKT 04 TO ANGLETON TO 4000A	1	l		
Lal		115.704.125355070001	CONTINUOUS RATING	I	I		
24		<b> </b>	CONTINUOUS RATING	1	<del> </del>	<b>—</b>	
			I	1	This project was part of the Algoa Corner -	Project was submitted for ERCOT Regional	
1 1		HLP/00/0922/SB/0016	PE230005 HITCHCOCK - UPGRADE 138KV	I	Lafvlarque okt 93 RB/RC Project. Please see	Planning Group (RPG) review and approval. Refer	\$530,699
1 1		1151700000223000010	CKT 93 LOOP TO 4000A	I	project need and description in Schedule M-1 and	to the attached RPG submittal for alternatives.	\$0.50,055
55				I	M-2.	to the attached rung submittal for alternatives.	
П			PE230008 Flewellen - UPGRADE 138KV	1			
		HLP/00/1413/SB	PETERS CKT 25 TO 4000A CONTINUOUS	1	l_,		
56			RATING	1	These projects were part of the Flewellen - Peters	Project was submitted for ERCOT Regional	
747			HACHING		Late OF OR IDO Desires Planes are active and and	IDIi O (DDO) iI Defea	C4 OCT C77

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- 5	in columns O throug	h Q, and adds responses to					
6	the RFIs for parts ble	etc starting in column S.					
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19	(1)	(2)	(3)			T	
11							
11	Projects Submitted		(a) Project Name (with CCN Docket No., if			c. How these projects were selected among	
11	to ERCOT RPG	WBS#	Any)		<ol> <li>The need for these projects.</li> </ol>	possible alternatives.	<li>d. The initial budget for these projects.</li>
11						F	
11							
			PE230009 Peters - UPGRADE 138KV		description in Schedule M-1 and M-2.	to the attached RPG submittal for alternatives.	31,001.317
11		HLP/DD/1413/SB/0001	FLEWELLEN CKT25 TO 40DDA		accomption in concedic in 1 bits in 2.	to the bitable of the G Salamittan for alternatives.	
57			CONTINUOUS RATING				
1		HLP/DD/0496/SB/0004	PE230024 THW - CKT29A1: UPGRADE				
58			THW EQ				
59		HLP/00/0496/SB/0005	PE230025 LITTLE YORK - CKT29A1:		These projects were part of the THW - WO ckt 29	Project was submitted for ERCOT Regional	
377			UPGRADE LITTILE YORK EQ		Conversion Project. Please see project need and	Planning Group (RPG) review and approval. Refer	\$5,1 <b>3</b> 3.791
60		HLP/00/0496/SB/0006	PE230026 WHITE OAK - CKT29A2: UPGRADE WHITE OAK EQ		description in Schedule M-1 and M-2.	to the attached RPG submittal for alternatives.	
0.0			PE230027 BAMMEL - UPGRADE CARRIER				
61		HLP/DD/0496/SB/0004	ON THW CKT 81				
Ť			PE220230 GYPSUM - EXTEND 138KV				
		HLP/00/1128/SB	TRANSMISSION SERVICE TO NEW				
62		112733112332	CUSTOMER-OWNED SPER STONE				
$\Box$		LU BIOGRA ARRONDE A	PE220311 CLINTON - 138KV BREAKER				
6.3		HLP/00/1128/SB/0004	STATION				
П			PE220312 GALENA PARK - MOVE				
11		HLP/DD/1128/SB/0001	DISTRIBUTION LOAD TO 138KV 8		These prejects were part of the Colone Bark Area		
11		HEF/DDF   120K3 Bradal	REMOVE 69/138KV SWITCHYAR		These projects were part of the Galena Park Area	Project was submitted for ERCOT Regional	
64			FACILITES	- I		Planning Group (RPG) review and approval. Refer	S18,249.853
11			PE220313 GREENS BAYOU -			to the attached RPG submittal for alternatives.	
11		HLP/00/1128/SB/0002	RECONFIGURE 69KV SWITCHYARD &				
11			UPGRADE CARRIER ON 69KV CLINTON				
65			CKT				
44		HLP/DD/1128/SB	PE220314 NINTH - UPGRADE RELAYING ON 138KV CLINTON CKT				
100			PE220315 ANBUSH - UPGRADING				
67		HLP/DD/1128/SB	RELAYING ON 138KV CLINTON CKT				
<u> </u>			ILLESTING ON TORKY CLINTON CKT				
11							
11			PE220048 STONE LAKE - BUILD NEW			Stone Lake substation was built to serve new load	
11		HLP/DD/13D6/SB	138/35KV SUBSTATION & (2) 14.4 MVAR			growth along the Grand Parkway in Northwest	
11		The year rabades	CAP BANKS			Harris County. The substation is located adjacent	
11			LAN BANKS		These projects were part of the STONE LAKE -	to the 138 kV Hockley to Tomball Ckt 66 which is	
68					NEW 35KV SUBSTATION Project. Please see	a 15.79 mile 138 kV line between the communities of Hockley and Tomball. There are no other 138	\$14,056.871
00					project need and description in Schedule M-1 and	kV lines close to the substation site, so Ckt 66 is	314,000,871
					M-2.	the only aption for connecting the new substation.	
			DESCRIPTION OF THE PROPERTY OF			Project was submitted for ERCOT Regional	
		HLP/DD/13D6/SB	PE220049 HOCKLEY - UPGRADE CKT 66			Planning Group (RPG) review and approval. Refer	
			TO TOMBALL			to RPG submittal for alternatives.	
1							
69							
			PE220078 BUILD NEW 345KV		This project was part of the CUTLASS SOLAR	]	
		HLP/DD/1491/SB	SWITCHYARD TO CONNECT NEW		INTERCONNECTION Project. Please see project	The most cost-effective solution to connect new	\$13,312,147
		The your trained	GENERATOR		need and description in Schedule M-1 and M-2.	generator was selected.	010,012,147
70					210 3230 9131 0012002 011 010 012.	<u> </u>	
П		HLP/DD/1492/SB	PE220026 WOLF BUILD NEW 345KV BKR				
71		TIC 700 178230	& 1/2 SWITCHYARD		These projects were part of the FIGHTING JAYS	Selected option provided the best performance.	
		HLP/DD/1492/SB	PE220026 HILLJE INSTALL POTT SCHEME		INTERCONNECTION Project. Please see project	Other options did not allow generation facility to be	\$13,952,626
72			ON 345KV CKT #64 TO WOLF		need and description in Schedule M-1 and M-2.	dispatched at full output.	
1		HLP/00/1492/SB	PE220027 WAP INSTALL POTT SCHEME		,	]	
7.5			ON 345KV CKT #64 TO WOLF			<b> </b>	
1,,		HLP/00/1493/SB	PE220028 BLUE - BUILD NEW 345KV BKR 8 1/2 SWITCHYARD		These projects were part of the RED-TAILED		
74			PE220029 BAILEY - INSTALL POTT		HAWK INTERCONNECTION Project. Please see	The most cost-effective solution to connect new	
75		HLP/DD/1493/SB	SCHEME ON 345KV CKT #72 TO BLUE		project need and description in Schedule M-1 and	generator was selected.	\$15,248,156
1.0			TO STATE OF		programme and analysis in Contractor of Tella	garante may year and a	

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11	(1) Projects Submitted to ERCOT RPG	(2) WBS#	(3) (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.
76		HLP/00/1493/SB	PE22D03D HILLJE - INSTALL POTT SCHEME ON 345KV CKT #72 TO BLUE		M-2.		

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10	(1)	(2)	(3)				
11	Projects Submitted to ERCOT RPG	Wes#	(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.
11		HLP/00/1497/SB	PE220031 HUNGERFORD - BUILD NEW 138KV BKR & 1/2 SWITCHYARD				
78		HLP/00/1497/SB	PE220032 DYANN - UPGRADE LINE RELAYING ON CKT 8D TO HUNGERFORD				
19		HLP/DD/1497/SB	PE220033 DYANN - UPGRADE LINE RELAYING ON CKT 6D TO SOUTH LANE CITY		These projects were part of the HUNGERFORD- SBRANCH SOLAR INTERCONNECTION Project.	The most cost-effective solution to connect new	\$12,129,069
80		HLP/00/1497/SB	PE220034 EAST BERNARD - UPGRADE LINE RELAYING ON CKT 60 TO HUNGERFORD		Please see project need and description in Schedule M-1 and M-2.	generator was selected.	012,120,000
81		HLP/00/1497/SB	PE220035 ORCHARD - UPGRADE LOOP BUS TO 525/580 MVA				
82		HLP/DD/1497/SB	PE220036 SOUTH LANE CITY - UPGRADE LINE RELAYING ON CKT 60 TO DYANN				
83		HLP/DD/1498/SB	PE220050 RIVERSIDE - BUILD NEW 138KV BKR & 1/2 SWITCHYARD		These projects were part of the RIVERSIDE SUB		
84		HLP/00/1498/SB	PE220051 CHAMON - INSTALL DUAL FIBER ON CKT #94 TO RIVERSIDE		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.	57,897.511
85		HLP/00/1498/SB	PE22D052 PSARCO - INSTALL DUAL FIBER ON CKT #94 TO RIVERSIDE				
86		HLP/00/1501/SB	PE220069 DANBURY - BUILD NEW 138KV BKR & 1/2 SWITCHYARD				
87		HLP/00/1501/SB	PE220070 ANGLETON - UGRADE LINE RELAYING ON CKT 04 TO DANBURY				
88		HLP/00/1501/SB	PE220071 PETSON - UGRADE LINE RELAYING ON CKT 04 TO DANBURY				
89		HLP/00/1501/SB	PE22D073 MONSAN - CONVERT 2ND DCB RELAY SCHEME TO POTT		These projects were part of the LONGBOW INTERCONNECTION Project. Please see project	The most cost-effective solution to connect new	\$13.427.996
90		HLP/00/1501/SB	PE220076 HUDSON - UPGRADE LINE RELAYING ON 138KV CKT TO WEBSTER		need and description in Schedule M-1 and M-2.	generator was selected.	\$13,427,996
91		HLP/DD/15D1/SB	PE220076 WEBSTER - INSTALL POTT RELAY SCHEME ON 138KV CKT TO HUDSON				
92		HLP/00/1501/SB	PE220212 LIVERPOOL - ROUTE FIBER INTO CONTROL CUBICLET				

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1 1			l				
1 1	Projects Submitted	WBS#	(a) Project Name (with CCN Docket No., if		<ul> <li>b. The need for these projects.</li> </ul>	c. How these projects were selected among	<li>d. The initial budget for these projects.</li>
1 1	to ERCOT RPG		Any)			possible alternatives.	
11							
=							
1 1			PE22D103 ANGLETON-INSTALL LINE				
I		HLP/DD/1516/SB	POSITION FOR NEW GENERATOR (MARK				
93			ONE)				
1 1			PE220104 ANGLETON-UPGRADE 138 KV				
1 1		HLP/00/1516/SB	CKT 26 TO KARSTEN TO MIN 384 MVA		These projects were part of the BEACHWOOD		
94			EMERGENCY		GENERATOR INTERCONNECTION Project.	The most cost-effective solution to connect new	52,931.609
			PE22D105 MONSAN-UPGRADE 138 KV		Please see project need and description in	generator was selected.	02,001.000
1		HLP/DD/1516/SB	CKT 04 TO PETSON TO MIN 290 MWA		Schedule M-1 and M-2.		
95			EMERGENCY RATING				
$\Box$			PE220106 HOC-UPGRADE 138 KV				
1		HLP/00/1516/SB	SOUTHWESTERN BUS TO MIN 775 MVA				
96			CONTINUOUS				
			PE190053 GARTH - BUILD NEW 138/12KV				
97		HLP/00/1266/SB	SUBSTATION (AP)FI		l	Distribution Planning evaluated several options	
$\vdash$			PE190058 HANEY - MODIFY 138KV		These projects were part of the GARTH - NEW	and selected project(s) based on operational	
98		HLP/DD/1266/SB	SECTIONALIZING SCHEME (AP)		12KV SUBSTATION Project. Please see project	performance, economic efficiency, and	\$12,850,881
l-~			PE190287 BAYTOWN - INSTALL DER		need and description in Schedule M-1 and M-2.	construction feasibility.	
99		HLP/DD/1266/SB	TRANSFER TRIP			construction reactions.	
14			PE190052 LAKE HOUSTON BUILD NEW				
100		HLP/00/1250/SB	138/35KV SUBSTATION (AP)		These projects were part of the Lake Houston Sub	Distribution Planning evaluated several options	
199					Project. Please see project need and description in	and selected project(s) based on operational	\$12,008,980
1 1		HLP/DD/125D/SB	PE190061 KINGWOOD - MODIFY 138KV		Schedule M-1 and M-2.	performance, economic efficiency, and	312,000,000
101		HLF/DU/125U/36	SECTIONALIZING SCHEME (AP)		Oblicadio M- Land M-2.	construction feasibility.	
1						Distribution Planning evaluated several options	
1 1			DESTROYER TRANSPORTED AND BUILDING		This project was part of the WORTHAM - NEW		
1 1		HLP/00/1308/SB	PE210065 WORTHAM BUILD NEW		35KV SUBSTATION Project. Please see project	and selected project(s) based on operational	\$10,543,346
I			138/35KV SUBSTATION		need and description in Schedule M-1 and M-2.	performance, economic efficiency, and	
102					·	construction feasibility.	
1					l		
1			PE200037 BURKE - BUILD NEW 138KV		This project was part of the BURKE	The most cost-effective solution to connect new	
1 1		HLP/DD/1389/SB	SWITCHYARD _		INTERCONNECTION Project. Please see project	generator was selected.	\$8,12D,994
			OWNTON THE E		need and description in Schedule M-1 and M-2.	garolatoi was salettea.	
103							
			PE210068 EAGLE NEST BUILD NEW				
		HLP/DD/1454/SB	138KV SWITCHYARD TO CONNECT NEW				
1			GENERATORII		L		
104			SEITEMOTORIT		These projects were part of the BRAZORIA WEST		
			PE210071 BURKE INSTALL POTT RELAY		SOLAR INTERCONNECTION Project. Please see	The most cost-effective solution to connect new	510,112,543
1		HLP/00/1454/SB	SCHEME ON CKT D2 TO EAGLE NEST		project need and description in Schedule M-1 and	generator was selected.	0.10,112,070
10%					M-2.		
1 7			PE210072 WEST COLUMBIA INSTALL				
1!		HLP/DD/1454/SB	POTT RELAY SCHEME ON CKT 02 TO				
106			EAGLE NEST				
17		HLP/00/1216/SB/0003	PE180147 MILLER Upgrade Relaying on			The Baytown Area Upgrade study concluded that	
107		110 700 12 10 00 10 00 00 00 00 00 00 00 00 00 00	CKT #88 to Baytown (BP)		These projects were part of the Baytown Area	the selected options proved to be the optimal	
			PE18D148 BAYTOWN Upgrade Relaying on		Upgrades Project. Please see project need and	solution based on operational performance.	\$772,833
		HLP/00/1216/SB/0003			description in Schedule M-1 and M-2.		
108			CKT #87 to MILLER (BP)			economic efficiency, and construction feasibility.	
П							
			PE190034 REFUGE - BUILD NEW 345KV		This project was part of the Peyton Creek Wind	The most cost-effective solution to connect new	
1		HLP/DD/1262/SB			Generator Interconnect Project. Please see project		S17,674,924
1			SWITCHYARD (AP)		need and description in Schedule M-1 and M-2.	generator was selected.	
109							
		HLP/00/1338/SB	PE19D152 GREENS BAYOU				
110		112 754 10000D	RECONFIGURE 138KV YARD (AP)				
			PE190153 ANBUSH UPGRADE RELAYING		PE210072 WEST COLUMBIA INSTALL POTT		
		HLP/00/1338/SB	ON 138KV CKT #D8 TO GBY (AP)		RELAY SCHEME ON CKT 02 TO EAGLE NEST is	The Greens Bayou Reconfiguration study	
111			S.T. JOHN SINT MOD TO GOT (AF)		a duplicate Consumer to DUCOT 100 These	concluded that the selected option proved to be	
		<del></del>					

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10	(1) Projects Submitted to ERCOT RPG	(2) WBS#	(3) (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.
112		HLP/00/1338/SB HLP/00/1338/SB	PE19D121 WHITE OAK REPLACE LINE PANEL ON 138KV CKT #03 TO GREENS BAYOU (AP) PE190224 HARDY UPGRADE CARRIER EQUIPMENT ON CKT #95 TO GREENS BAYOU (AP)		projects were part of the Greens Bayou Reconfiguration Project. Please see project need and description in Schedule M-1 and M-2.	the optimal solution based on operational performance, economic efficiency, and construction feasibility.	\$8,09D,723

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10	(1)	(2)	(3)	1		T	
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.
114		HLP/00/1345/SB	PE200040 LIMBURG Limburg Substation (SUB) Build new 128kV		These projects were part of the Limburg Substation Project. Please see project need and description in	and selected project(s) based on operational	S9,334,142
115		HLP/00/1345/SB	PE200041 SOUTHWYCK UPGRADE 138KV LINE SECTIONALIZING SCHEME		Schedule M-1 and M-2.	performance, economic efficiency, and construction feasibility.	• •
116		HLP/DD/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/DD/1518/SB/00D3	PE220101 HOC RELOCATE 138 KV CKT 05 TO WEBSTER		These projects were part of the Ckt. DSB Line Reposition. Please see project need and	The Transmission Planning study indicated that the relocation of 138 kV HOC – Southwyck ckt 05 was successful in reducing the loading along the	\$2,107,084
119		HLP/DD/1518/SB/00D3	PE220102 WEBSTER UPGRADE LINE RELAYING ON CKT 05 TO HOC		description in Schedule M-1 and M-2.	okt 90 path from HOC to Garrott to Midtown to Polk. The solution was also cost effective.	\$2,10°,55°
120		HLP/DD/1424/SB/00D1	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/DD/1424/SB/00D1	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	Of the studied options, the selected projects	\$29,463,228
123		HLP/DD/1424/SB/00D1	PE220045 PHR UPGRADE CARRIER EQUIPMENT ON CKT TO MYKAWA		Schedule M-1 and M-2.	offered the most complete, reliable solution.	\$28, <del>4</del> 05,220
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 35kV & 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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3	This file starts with 5	Schedule M-3.1 in columns Athro	uah L.				
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	to ERCOT RPG	WBS#	Any)		<ul> <li>b. The need for these projects.</li> </ul>	possible alternatives.	<li>d. The initial budget for these projects.</li>
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			PE200209 STRANG UPGRADE RELAYING				
		HLP/DD/1414/SB/0002	AND CARRIER ON CKT87 TO CEDAR				
127			BAYOU				
			PE200210 CEDAR BAYOU PLANT	1			
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1		HLP/00/1414/SB/0002	UPGRADE RELAYING AND CARRIER ON	I	1		
128			CKT87 TO STRANG	]	I		
			PE200211 QUANUM UPGRADE RELAYING		I		
1		HLP/00/1414/SB/0005	AND CARRIER ON CKT85 TO CEDAR		I		
129			BAYOU		I		
123				1	I		
			PE200212 CEDAR BAYOU PLANT	I	I		
1. 4		HLP/00/1414/SB/0005	UPGRADE RELAYING AND CARRIER ON	I	I		
130			CKT85 TO QUANUM	1	I	Four Immediate Restoration options were	
			PE200213 BAYOU UPGRADE RELAYING	1			
		HLP/DD/1414/SB/0001	AND CARRIER ON CKT79 TO MORGANS			evaluated to resolve the loading concerns while	
13.1		HLF)DU 1414GBROOD	POINT		These projects were part of Spillman Restoration	maintaining reliability during other contingencies.	
12/1				1		The Spillman Island Immediate Restoration Plan	00.077.470
			PE200214 MORGANS POINT UPGRADE		Project. Please see project need and description in	study candiaded selected projects proved to be the	\$2,977.470
		HLP/DD/1414/SB/0006	RELAYING AND CARRIER ON CKT79 TO		Schedule M-1 and M-2.	optimal solution based on operational	
		HLF/DD/1414/SB/0006	BAYOU, PRE-INSTALLDUAL FIBER				
13.2			CABLES			performance, economic efficiency, construction	
11.77			PE200215 CHORIN INSTALL DUAL FIBER	1		feasibility, and future upgrade considerations.	
		HLP/00/1414/SB/0010					
1.5.5			ON CKT87 TO SRB	1			
		HLP/DD/1414/SB/0004	PE200216 SRB UPGRADE WAVE TRAP ON				
134		HLF)DU(1414/SB/0004	CKT87 TO CHORIN				
$\vdash$			PE200217 CEDAR BAYOU PLANT	1			
		HLP/00/1414/SB/0007	UPGRADE RELAYING AND CARRIER ON				
		HLP/00/14/14/56/000/					
135			CKT84 TO HOPSON				
			PE200218 HOPSON UPGRADE RELAYING				
		HLP/DD/1414/SB/0007	AND CARRIER ON CKT84 TO CEDAR				
136		I	BAYOU	I	I		
$\vdash$			PE200219 DECKER UPGRADE CKT83 TO	1	I		l
137		HLP/DD/1414/SB/0009	CEDAR BAYOU TO 498MVA		I		
157				1			
1		HLP/00/0130/SB/0025	PE190047 HOC - Install 138kV Series	I	1		
1.58			Reactor (BP)	1	I	The study concluded that the selected projects	l
1 7		HLP/DD/013D/SB/0037 or	PE190048 WAP - Install 138kV Series		I	were the optimal solution due to superior	
139		HLP/00/0130/SB/0036	Reactors (BP)		There are the many and appears for the property		
			PE190074 BRITMOORE - UPGRADE	1	These projects were part of WAP FAULT DUTY-	performance. The projects addressed the fault	na 077
1		HLP/00/0130/SB/0037	CARRIER EQUIPMENT ON 138KV CKT #09		BUS SPLIT Project. Please see project need and	duty concerns at 138 kV WAP and 138 kV HOC	\$8,377,D11
140		The road touroproper		I	description in Schedule W-1 and M-2.	substations and addressed the base case issue of	
140			TO WAP (BP)	1	I	momentary voltage change at 138 kV HOC	
		I	PE190075 FORT BEND - REMOVE		I	substation when switching on a capacitor bank.	
		HLP/DD/013D/SB/0037	CARRIER EQUIPMENT ON 138KV CKT #09	I	I	Balling of a capation balk.	l
141		I	TO WAP (BP)	I	I		l
			PE220236 WATERHOLE BUILD NEW CNP	1			
		HLP/00/1571/SB	345KV BKR-8-1/2 INTERCONNECTION		I		
142		The your for mod		I	I		l
142			SWITCHYARD	1	These projects were part of Waterhole Project.	The	l
1		HLP/00/1571/SB	PE220237 BAILEY UPGRADE LINE		Please see project need and description in	The most cost-effective solution to connect new	\$403.066
143			RELAYING ON CKT62 TO WATERHOLE	]	Schedule M-1 and M-2.	generator was selected.	*
			DEGRACOS JONIES OPERA LIBORADE LA SE	1	Obligadio M- Laura HFZ.		
		HLP/DD/1571/SB	PE220238 JONES CREEK UPGRADE LINE	I	I		
144			RELAYING ON CKT62 TO WATERHOLE		I		
1			<del> </del>	1			
1		I		1	This project was part of the GULFTIE		l
		I	PE220319 GULFTIE BUILD NEW CNP	I		The most cost-effective solution to connect new	l
1		HLP/00/1577/SB	138KV BKR-&-1/2 INTERCONNECTION		GENERATOR INTERCONNECTION Project.		\$10,911,188
1			SWITCHYARD		Please see project need and description in	generator was selected.	
1		I			Schedule M-1 and M-2.		
145					<u> </u>		

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4	displays the corresp	Schedule M-3.1 in columns A throu onding PUC RFI set 07 question n					
		h C, and adds responses to etc starting in column S.					
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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.
146		HLP/DD/157D/SB	PE220223 MONSAN UPGRADE HUDSON CKT04 TO MINIMUM 507/507MVA				
147		HLP/00/1570/SB	PE220224 MUSTANG BAYOU UPGRADE 138KV LOOP BUS TO MINIMUM 568/568MVA		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
148		HLP/00/1570/SB	PE220226 LIVERPOOL UPGRADE 138KV LOOP BUS TO MINIMUM 517/517MVA				
149		HLP/00/1567/SB	PE220218 ARCHER BUILD NEW CNP 138KV BKR-8-1/2 INTERCONNECTION SWITCHYARD		These projects were part of Archer Sub Project.		
150		HLP/00/1567/SB	PE220219 KARSTEN UPGRADE LINE RELAYING ON CKT26 TO ARCHER		Please see project need and description in Schedule W-1 and M-2.	The most cost-effective solution to connect new generator was selected.	\$11,175.099
151		HLP/00/1567/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 <u>,</u> 514
153		HLP/DD/15DD/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 W-1 and W-2.	The most cost-effective solution to connect new generator was selected.	S4,841,855
154		HLP/DD/1485/SB	PE210082 WEST COLUMBIA Expand 138 kV Ring Bus to Connect New Generator		This project was part of the Roughneok 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				
156		HLP/DD/1419/SB/0003	PE210035 SRB INSTALL 100MVAR CAP BANK				
157		HLP/00/1419/SB/0003	PE210036 HOC REMOVE 8 RELOCATE 138KV, 100MVAR CAP BANK		These projects were part of SRB Area 69 KV Upgrades Project, Please see project need and	CenterPoint Energy Transmission Planning Department evaluated several proposed options	\$3,493,631
158		HLP/00/1419/SB/0002	PE21D037 SOUTH CHANNEL RECONFIGURE 69KV SRB CKT-23 AS DEEPWATER CKT-23		description in Schedule M-1 and M-2.	and recommended the selected projects.	<b>V</b>
159		HLP/00/1419/SB/0002	PE210038 DEEPWATER RECONFIGURE 69KV SRB CKT AS SOUTH CHANNEL CKT				

This file starts with Schedule M-3.1 in columns A through L, displays the corresponding PUC RFI set 07 question numbers in columns 0 through Q, and adds responses to the RFIs for parts bletc starting in column \$.  (1) (1) (2) (3)		
This file starts with Schedule M-3.1 in columns A through L, displays the corresponding PUC RFI set 07 question numbers in columns 0 through Q, and adds responses to the RFIs for parts b etc starting in column \$.  7 8 9 10 (1) (2) (3)		
displays the corresponding PUC RFI set 07 question numbers in columns 0 through Q, and adds responses to the RFIs for parts bletc starting in column S.  7 8 9 10 (1) (2) (3)	T	
in columns 0 through Q, and adds responses to the RFIs for parts blete starting in column S.  7 8 9 10 (1) (2) (3)		
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Projects Submitted (a) Project Name (with CCN Docket No., if	<li>c. How these projects were selected among</li>	
to ERCOT RPG WBS# In Toject Main (Introduction ) b. The need for these projects.	possible alternatives.	<li>d. The initial budget for these projects.</li>
	possible alternatives.	
11		
PE210077 WHITE OAK INSTALL 2ND		
160 HLP/00/1233/SB/0001 133/69 KV AUTO		
PE210078 WHITE OAK UPGRADE 89 KV		
INLEGUO 1233/SB/0002 OVER 24 TO DESCRIPT TO MINI 1920/92 FOR		
161 CKT 34 TO REIGHTS TO MIN 182 182 MVA	<b>1</b>	
PE210079 HEIGHTS UPGRADE 69 KV CKT	The most cost-effective solution to relieve the	
HLP/0D/1233/SB/0002 PEZI 0V/9 FICKS ITS OPERALDE 69 NV CKT  34 TO WHITE OAK TO MIN 192/192 MVA These projects were part of the Heights Area	loading concerns was selected. Due to loading concerns on White Oak Auto #2. CenterPoint	
PE210080 SAN FELIPE UPGRADE Upgrades Projects were part of the Heights Area  PE210080 SAN FELIPE UPGRADE Upgrades Project. Please see project in need and	eancems on White Oak Auto #2, CenterPoint Energy Transmission Planning Department	59,465.339
PE2TUMB SAN PELPE UPGRADE  HLP/00/1233/SB/0001 CARRIER EQUIP ON 128 KV CKT 09 TO description in Schedule M-1 and M-2.	determined that the addition of White Oak Auto #4	38,400,039
163 WHITE OAK	along with the Heights and Little York load transfer	
DEPARTE DEIDI INICTALI 44TU 0 42TU	solved many of the area load concerns.	
164 HLP/00/1325/SB FEET/02/SI DEINE INSTALL TITTO 12/11	parves many or the area rada abricems.	
DECORPORATE INSTALL TOTAL TOWN		
165 HLP/00/1460/SB FEEDER		
HLP/DD/1184/SB PE22D085 CROCKETT - INSTALL 3RD		
166 HLP/JUL/1184/SB TRANSFORMER & 3-12 KV FEEDERS		
HLP/DDY1337/SB PE210020 Jones Creek - Install new 138kv		
107 These projects were part of the Copner to Jones	The Transmission Planning study concluded that	
HLD/00/1337/SR PE210021 Velasco - Reconfigure for new   Creek CKT02 Project Please see project need and		S11,420,227
Jones Creek ckt description in Schedule M-1 and M-2.	solution based on operational performance.	
HLP/00/0130/SB/0044 PE20038 JONES CREEK-	· · · ·	
169 RECONFIGURE 138KV SWITCHYARD		
	The most cost-effective solution to address the	
PE180217 NASH - CONVERT TO 138KV This project was part of the Nash Loop Project.	replacement of aging infrastructure, future	
	conversion of ckt 45 to 138 kV, and future	56,424.995
Schedule M-1 and M-2.	renewable connections in the area was selected.	
170		
PE170066 HOFMAN - REPLACE LINE	An upgrade in conductor was necessary to	
HLP/DD/1246/SB PANEL ON CKT #02 TO BASE & REPL RTU		
I/1 (AP) These projects were part of the BASE Hofman	mitigate overloading concerns on circuit 02	
PE170067 BASE - REPLACE LINE PANEL 8   Upgrade CKT FG Brokert Blacks and project aged	between BASF, HOFMAN, and LAKE JACKSON during some P3, P6, and P7 cases.	\$682,945
HLP/00/1246/SB JUMPERS ON CKT #02 TO HOFMAN 8 and description in Schedule M-1 and M-2.	Reconductoring the existing line was chosen as	
DEGOCOMALIA E HOUCTON LIDO DADE	the most cost effective solution.	
HLP/00/1246/SB PE 1802 14 UNIC HOUSTON - OPGRADE CKT #02 LOOP BUS	and most oost angulary somethin.	
OIN MALEON BOO		
This project was part of the Ramsey Solar		
DE240006 Hillio BLILLD NED0(2450) ( LINE Conceptor Interconnection Decical Diagon con	The most cost-effective solution to connect new	
HLP/DD/148D/SB/00D1 POSITION FOR NEW GENERATOR project need and description in Schedule M-1 and		S2,081,780
M-2.	·	
174		
DE240020 Cardeton Testell Line Position for This project was part of the Myrtle Solar	The most cost offestive solution to comment	
HLP/DD/1446/SB PE210039 Angleton - Install Line Position for New Generator (MYRTLE) Interconnection Project. Please see project need	The most cost-effective solution to connect new generator was selected.	S12,013,160
and description in Schedule M-1 and M-2.	garerator was sacticu.	
175		
PE210067 Cedar Creek - BUILD NEW		
HLP/00/1453/SB 345KV SWITCHYARD TO CONNECT NEW		
1/6 GENERATOR These projects were part of the Old 300 Solar	1	
PE210069 Bailey - INSTALL POTT RELAY Center Interconnection Project Please see project	The most cost-effective solution to connect new	514,963, <b>33</b> 3
HLP/UU/1453/SB COURTS ON OVE TO TO GED & DEFEN DO DEFEN DO DE DE DO DE	generator was selected.	
DESCRIPTION OF THE PROPERTY OF		
178 HLP/DD/1463/SB PEZTUD// WWP - INSTALL POT IT RELAT   SCHEME ON CKT 72 TO CEDAR CREEK		
1 JOHENE OF OUR (2 TO GEDAN ORDER )	<u> </u>	

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The	$\vdash$			DEGLEGOD ALTA LOVA MOTALLATI				
PEZIODS MICHAEL PROPRIES	179		HLP/00/0996/SB					
100   HUPDOWNSSES   Specific Display FEEDERS   PEZION WESTERS - UPSEAGE MANNE. Service MANNE.	H							
### PERSONS AND SERVICE STATES AND SERVICES	180		HLP/DD/0996/SB					
### PERSONS AND SERVICE STATES AND SERVICES	П			DEGLEGOA WEDETED LIDODA DE MANUEL				
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International Content   Inte	10/							\$10,487,815
NUMBERONSONS   PESONS HOC- DISCONNECT REMOVED A STATE OF LARSET MEMORY AND STATE OF LARSET MEMORY AND STATE AND ST	183		HLP/DD/0996/SB			need and description in Schedule M-1 and M-2.	substations to 138 kV service was selected.	
HLPXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	П		LU DIDOGODO/ED					
Introductioness	184		HELIDIKO 880K2 B					
HLP0001909/SB PAUD SERVISE LINE RELEVATION ON 188KW CKTG TO ANSLETON  HLP0001102/SB PE10033 WALLER NSTALL 2ND TRF AND 5KW FEBCER  HLP0001102/SB PE10031 READING - Install (2) 100 MVA TRF is (3) 39W Feeders (8P) PE10031 READING - Install (2) 100 MVA TRF is (3) 39W Feeders (8P) PE10031 READING - Install (2) 100 MVA TRF is (3) 39W Feeders (8P) PE10031 READING - Install (2) 100 MVA TRF is (3) 39W Feeders (8P) PE10031 READING - Install (2) 100 MVA TRF is (3) 39W Feeders (8P) PE10031 READING - Install (2) 100 MVA TRF is (3) 39W Feeders (8P) PE10031 READING - Install (2) 100 MVA TRF is (3) 39W Feeders (8P) PE10031 READING - Install (2) 100 MVA TRF is (3) 39W Feeders (8P) PE10031 READING - Install (2) 100 MVA TRF is (3) 39W Feeders (8P) PE10031 READING - Install (2) 100 MVA TRF is (3) 39W Feeders (8P) PE10031 READING - Install (2) 100 MVA TRF is (3) 39W Feeders (8P) PE10031 READING - Install (2) 100 MVA TRF is (3) 39W Feeders (8P) PE10031 READING - Install (2) 100 MVA TRF is (3) 39W Feeders (8P) PE10031 READING - Install (2) 100 MVA TRF is (3) 39W Feeders (8P) PE10031 READING - Install (2) 100 MVA TRF is (3) 39W Feeders (8P) PE10031 READING - Install (2) 100 MVA TRF is (3) 39W Feeders (8P) PE10031 READING - Install (2) 100 MVA TRF is (3) 39W Feeders (8P) PE10031 READING - Install (2) 100 MVA TRF is (3) 39W Feeders (8P) PE10031 READING - Install (2) 100 MVA TRF is (3) 39W Feeders (8P) PE10031 READING - Install (2) 100 MVA TRF is (3) 39W Feeders (8P) PE10031 READING - Install (2) 100 MVA TRF is (3) 39W Feeders (8P) PE10031 READING - Install (2) 100 MVA TRF is (3) 39W Feeders (8P) PE10031 READING - Install (2) 100 MVA TRF is (3) 39W Feeders (8P) PE10031 READING - Install (2) 100 MVA TRF is (3) 39W Feeders (8P) PE10031 READING - Install (2) 100 MVA TRF is (3) 39W Feeders (8P) PE10031 READING - Install (2) 100 MVA TRF is (3) 39W Feeders (8P) PE10031 READING - Install (2) 100 MVA TRF is (3) 39W Feeders (8P) PE10031 READING - Install (2) 100 MVA TRF is (3) 39W Feeders (8P) PE10031 READING - Install (2) 100 MVA TRF is (3) 39W F			HLP/00/0996/SB					
H_PRO0193988	185							
150 HLP/00/1102/SB PE210083 WALLER NSTALL 2ND TRF AND SKY FEEDER  PE100031 READING - Initial (2) 100 MVA TRF & (3) 356V Feeders (8P)  HLP/00/112/SB PE150034 RCC - CONVERT TRFS #1, #2, 8 #3 TO 136KV OPERATION  HLP/00/112/SB PE16013 DEBLOYER FACIONS  HLP/00/112/SB PE16013 DEBLOYER FACIONS  HLP/00/112/SB PE16013 BEDING - Initial (2) 100 MVA TRF & 6 (3) 356V Feeders (8P)  HLP/00/112/SB PE16034 RCC - CONVERT TRFS #1, #2, 8 #3 TO 136KV OPERATION  HLP/00/112/SB PE16034 RCC - CONVERT TRFS #1, #2, 8 #3 TO 136KV OPERATION  HLP/00/112/SB PE16034 RCC - CONVERT TRFS #1, #2, 8 #3 TO 136KV OPERATION  HLP/00/112/SB PE16034 DEBLOYER SHALE  ONVENTIONAL SUB WITH BKR & HALF  This project was part of the Cavity HOC Load offers reliability converted the design and description in Schedule M-1 and M-2.  Transmission Planning evaluated several options and selected project incert and description in Schedule M-1 and M-2.  Transmission Planning evaluated several options and selected project incert and description in Schedule M-1 and M-2.  Transmission Planning evaluated several options and description in Schedule M-1 and M-2.  Transmission Planning evaluated several options and description in Schedule M-1 and M-2.  Transmission Planning evaluated several options and description in Schedule M-1 and M-2.  Transmission Planning evaluated several options and description in Schedule M-1 and M-2.  Transmission Planning evaluated several options and description in Schedule M-1 and M-2.  Transmission Planning evaluated several options and description in Schedule M-1 and M-2.  Transmission Planning evaluated several options and description in Schedule M-1 and M-2.  Transmission Planning evaluated several options and description in Schedule M-1 and M-2.  Transmission Planning evaluated several options and description in Schedule M-1 and M-2.  Transmission Planning evaluated several options and description in Schedule M-1 and M-2.  Transmission Planning evaluated several options and description in Schedule M-1 and M-2.  Transmission Planning evaluat	11		LII BIDDITODO(EB					
PE210063 WALLER INSTALL 2ND TRF	186		HLF/DL/G980/3B					
HLP/00/1103/SB PE130031 WALLER INSTALL 2ND TRF AND 3KW FEEDER  HLP/00/1228/SB PE130031 READING - Install (2) 100 MVA TRF & (3) 38W Feeders (BP)  HLP/00/1128/SB PE150031 READING - Install (2) 100 MVA TRF & (3) 38W Feeders (BP)  HLP/00/1128/SB PE150034 RCC - CONWERT TRFS #1. #2. 8 #3 TO 138KV OPERATION  HLP/00/1128/SB PE150034 RCC - CONWERT TRFS #1. #2. 8 #3 TO 138KV OPERATION  HLP/00/1128/SB PE150034 RCC - CONWERT TRFS #1. #2. 8 #3 TO 138KV OPERATION  HLP/00/1128/SB PE150034 RCC - CONWERT TRFS #1. #2. 8 #3 TO 138KV OPERATION  HLP/00/1128/SB PE150034 RCC - CONWERT TRFS #1. #2. 8 #3 TO 138KV OPERATION  These projects were part of the Convert HCC Load from 96 to 138kV Project. Please see project need and description in Schedule M-1 and M-2.  HLP/00/1162/SB PE150034 RCC - REPLACE CONVERT TRFS #1. #2. 8 #3 TO 138KV OPERATION  These project was part of the Red Bluff Substation Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the Red Bluff Substation Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the Red Bluff Substation Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the Red Bluff Substation Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the Red Bluff Substation Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the Red Bluff Substation Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the Red Bluff Substation Project. Please see project need and description in Schedule Project Please see project need and description in Schedule Project Please see project need and description in Schedule Project Please see project need and description in Schedule Project Please see project need and description in Schedule Project Please see project need and description in Schedule Project Please see project need and description in S	1			TODAY GREAT TO PARALETON			BOLD OF BUILDING	
Part	11			DE240062 WALLED INICTALL OND THE		This project was part of the Waller Add XFMR and		
HLP/00/1228/SB PE19025 READING - Install (2) 100 MVA TRF 8 (3) 38/W Feeders (8P)  HLP/00/1228/SB PE19024 HOC - CONVERT TRFS #1. #2.8 #3 TO 138/W OPERATION  HLP/00/112/SB PE19024 HOC - CONVERT TRFS #1. #2.8 #3 TO 138/W OPERATION  HLP/00/112/SB PE19024 HOC - CONVERT TRFS #1. #2.8 #3 TO 138/W OPERATION  HLP/00/112/SB PE19024 HOC - CONVERT TRFS #1. #2.8 #3 TO 138/W OPERATION  HLP/00/112/SB PE19024 HOC - CONVERT TRFS #1. #2.8 #3 TO 138/W OPERATION  HLP/00/112/SB PE19024 HOC - CONVERT TRFS #1. #2.8 #3 TO 138/W OPERATION  These projects were part of the Convert HOC Load from 69 to 138/W Freders, Penede see project need and description in Schedule M-1 and M-2.  Transmission Planning evaluated 6 springs over transformers in the HOC area by end by to address reliability, corrected load at the HOC Substation from 88W or transformers in the HOC area by moving distribution load at the HOC Substation from 88W or transformers in the HOC area by end of the HOC substation from 88W or transformers in the HOC area by end of the HOC area by end of the HOC substation from 88W or transformers in the HOC area by end of the Hoc area and end of the HOC area by end of the HOC are	11		HLP/DD/1162/SB					54,658,674
HLP/00/1228/SB PE190051 READING - Install (2) 100 MVA TRF's 8. (3) 35/W Feeders (BF)  HLP/00/112/SB PE190234 HCC - CONVERT TRFS #1. #2. 8 #3 TO 138/W OPERATION  HLP/00/1112/SB PE190234 HCC - CONVERT TRFS #1. #2. 8 #3 TO 138/W OPERATION  HLP/00/112/SB PE190144 HCC - REPLACE CONVENTIONAL SUB WITH BKR 8 HALF  HLP/00/115/SB PE190144 HCC - REPLACE CONVENTIONAL SUB WITH BKR 8 HALF  HLP/00/115/SB PE19014 HCC - REPLACE CONVENTIONAL SUB WITH BKR 8 HALF  HLP/00/115/SB PE190135 DUNLAVY - UPGRADE 69KV CKT #3 TO HEIGHTS (BP)  HLP/00/117/SB PE190135 DUNLAVY - UPGRADE 69KV CKT #3 TO DUNLAVY  HLP/00/117/SB PE190138 HEIGHTS - UPGRADE 69KV CKT #3 TO DUNLAVY  HLP/00/117/SB PE190138 HEIGHTS - UPGRADE 69KV CKT #3 TO DUNLAVY  HLP/00/117/SB PE190138 HEIGHTS - UPGRADE 69KV CKT #3 TO DUNLAVY  HLP/00/117/SB PE19034 GEDAR BAYOU PLANT  HLP/00/117/SB PE19044 GEDAR BAYOU PLANT  This project was part of the Reading Indall 38W TRFs and FDRs Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the Read Bluff Substation Planning recommended Options 18 and 3% based on operational performance. economic efficiency, and construction feasibility.  This project was part of the Read Bluff Substation Planning recommended Options 18 and 3% based on operational performance. economic efficiency, and construction feasibility.  The most cost-effective solution to address the thermal licating concerns was selected. According to the arrays in the study, reconductioning the Dunlavy of Heights Project. Please see project need and description in Schedule M-1 and M-2.  The most cost-effective solution to address the thermal licating concerns was selected. According to the arrays in the study, reconductioning the Dunlavy of Heights Project. Please see project need and description in Schedule M-1 and M-2.  The most cost-effective solution to address the thermal licating concerns was selected. According to the arrays in the study, reconductioning the Dunlavy and Heights Project. Please see project need and description i				AND SOR OF LEDER		description in Schedule M-1 and M-2.		
HLP/00/1228/SB PE19031 READING - Install (2) 100 MVA TRF's 8 (3) 35kV Feeders (BP) Pick Please see project new Fand PREP Project Please see project new and selected project(s) based on operational construction feasibility.  HLP/00/1112/SB PE19033 HOC- CONVERT TRFS #1. #2, 8 #3 TO 138KV OPERATION  HLP/00/1112/SB PE19034 HOC- CONVERT TRFS #1. #2, 8 #3 TO 138KV OPERATION  HLP/00/112/SB PE19014 HOC- REPLACE CONVENTIONAL SUB WITH BKR 8 HALF  HLP/00/1192/SB PE19014 PROJECT Please see project need and description in Schedule M-1 and M-2.  HLP/00/1192/SB PE19014 DRED BLUFF BUILD NEW 138/12KV SUBSTATION  PE19014 TO RED BLUFF BUILD NEW 138/12KV SUBSTATION  PE19015 TO RED BLUFF BUILD NEW 138/12KV SUBSTATION  PE19015 HERD RED BLUFF BUILD NEW 138/12KV SUBSTATION  PE19015 HLP/00/117/SB PE19015 DUNIAVY - UPGRADE 69KV CKT #31 TO HEIGHTS (BP)  HLP/00/117/SB PE190136 HEIGHTS - UPGRADE 69KV CKT #31 TO DUNIAVY - UPGRADE 69KV CKT #	187						,	
HLP/00/112/8/8 PE180/14 Product (Product Product Produ	11					This project was part of the Reading Install 35kV		
and description in Schedule M-1 and M-2.    Application of the Convert HOC Load from 68 to 138kV Project. Please see project need and description in Schedule M-1 and M-2.    Application of the Convert HOC Load from 68 to 138kV Project. Please see project need and description in Schedule M-1 and M-2.    Application of the Convert HOC Load from 68 to 138kV Project. Please see project need and description in Schedule M-1 and M-2.    Application of the Convert HOC Load from 68 to 138kV Project. Please see project need and description in Schedule M-1 and M-2.    Application of the Convert HOC Load from 68 to 138kV Project. Please see project need and description in Schedule M-1 and M-2.    Application of the Convert HOC Load from 68 to 138kV Project. Please see project need and description in Schedule M-1 and M-2.    Application of the Convert HOC Load from 68 to 138kV Project. Please see project need and description in Schedule M-1 and M-2.    Application of the Convert HOC Load from 68 to 138kV Project. Please see project need and description in Schedule M-1 and M-2.    Application of the Convert HOC Load from 68 to 138kV Project. Please see project need and description in Schedule M-1 and M-2.    Application of the Convert HOC Load from 68 to 138kV All options successfully meet the design criteria requirements of the standing state power from study and fault current analysis. Transmission Planning evaluated several options and selected project by and fault current analysis. Transmission Planning evaluated several options and selected project by and fault current analysis. Transmission Planning evaluated several options and selected project by and fault current analysis. Transmission Planning evaluated several options and selected project by and fault current analysis. Transmission Planning evaluated several options and selected project by analysis and fault current analysis. Transmission Planning evaluated several options and selected project by analysis and fault current analysis. Transmission Planning evaluated	11		HLP/00/1226/SB					56.884.225
HLP/DD/1112/SB PE150234 HOC - CONVERT TRFS #1.#2.8 #3 TO 138KV OPERATION  HLP/DD/1112/SB PE15034 HOC - REPLACE CONVENT IN BKR 8 HALF  PE150144 HOC - REPLACE CONVENT IONAL SUB WITH BKR 8 HALF  HLP/DD/1152/SB PE150145 HOC - REPLACE CONVENT IONAL SUB WITH BKR 8 HALF  PE150145 HOC - REPLACE CONVENT IONAL SUB WITH BKR 8 HALF  HLP/DD/1152/SB PE150145 HEIGHTS - UPGRADE 69KV CKT #31 TO DUNLAVY - UPGRADE 69KV CKT #31 TO DUNLAVY - UPGRADE 88KV CKT #31 TO DUNLAVY - UPGRADE 88KV CKT #31 TO DUNLAVY - UPGRADE BKV CKT #31 TO BKV	11			TRF's & (3) 35kV Feeders (BP)				
HLP/D0/1112/SB PE150/234 HOC - CONVERT TRFS #1. #2. 8 #3 TO 138KV OPERATION  These projects were part of the Convert HOC Load from 69 to 138kV Project. Please see project and description in Schedule M-1 and M-2.  HLP/D0/938/VSB PE180/14 HOC - REPLACE CONVENTIONAL SUB WITH BKR 8 HALF  PE180/14 N RED BLUFF BUILD NEW 138/12/KV SUBSTATION  PE180/135 DUNILAYY - UPGRADE 69KV CKT #31 TO HEIGHTS (BP)  HLP/D0/117/SB PE180/138 HEIGHTS - UPGRADE 89KV CKT #31 TO DUNILAYY  HLP/D0/117/SB PE220211 HEIGHTS - UPGRADE DUNILAYY CKT 31 TO DUNILAYY CKT 31 TO DUNILAYY CKT 31 TO DUNILAYY CKT 31 TO PE180/138 HEIGHTS - UPGRADE DUNILAYY CKT 31 TO PE180/138 HEIGHTS - UPGRADE DUNILAYY CKT 31 TO PE180/138 HEIGHTS - UPGRADE BKV CKT #31 TO DUNILAYY CKT 31 TO PE180/138 HEIGHTS - UPGRADE DUNILAYY CK	188					·	construction reasonity.	
These projects were part of the Convert HCC Load from 68 to 138kV Project. Please see project need and description in Schedule M-1 and M-2.  HLP/000135/SB PE180144 HCC - REPLACE CONVENTIONAL SUB WITH BKR 8 HALF  PE180149 HCC - REPLACE CONVENTIONAL SUB WITH BKR 8 HALF  PE180140 RED BLUFF BUILD NEW 138/12KV SUBSTATION  PE180145 HCG SUBSTATION  PE180145 HCG SUBSTATION  PE180145 HCG SUBSTATION  This project was part of the Red Bluff Substation Project. Please see project need and description in Schedule M-1 and ki-2.  This project was part of the Red Bluff Substation Planning evaluated several options and selected project(s) based on operational performance, sconomic efficiency, and construction feasibility.  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.  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.  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.  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.  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.  These projects were part of the Upgrade CKT31 Dunlavy to Heights ine and upgrade substation guiden at a total Dunlavy and fall under the HoC substation grade interior requirements of the standy and fall under the HoC substation grade interior requirements of the standy and fall under the HoC substation grade interior requirements of the standy and fall under the HoC substation of the Hopping substation grade interior requirements of the Standy and fall under the HoC substation	11						Transmission Planning evaluated 6 options to	
These projects were part of the Convert HOC Load from 68 to 138kV Project. Please see project need and description in Schedule M-1 and M-2.  HLP/DDY1152/SB PE180135 DUNLAVY - UPGRADE 69KV CKT #31 TO HEIGHTS - UPGRADE 69KV CKT #31 TO DUNLAVY HLP/DDY117/SB PE180136 HEIGHTS - UPGRADE DUNLAVY HLP/DDY117/SB PE180136 PE220211 HEIGHTS - UPGRADE DUNLAVY HLP/DDY117/SB PE180040 CEDAR BAYOU PLANT  These projects were part of the Convert HOC Load from 68kV from 68 to 138kV Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the Red Bluff Substation Planning recommended Options 18 and 34 based on performance and cost.  This project was part of the Red Bluff Substation Project. Please see project need and description in Schedule M-1 and M-2.  These projects were part of the Convert HOC Load from 68kV 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 18 and 34 based on performance convenie efficiency, and construction Planning evaluated several options and selected projects) based on operational performance economic efficiency, and construction feasibility.  These projects were part of the Upgrade CKT31 Dunlay to Heights Project. Please see project in the analysis in the study, reconductoring the Dunlay to Heights from 68kV from 50 km Prime in the Course of the Upgrade CKT31 Dunlay to Heights from 68kV from 50 km Prime in the MHZ of	11		HLP/00/1112/SB					
PE180144 HCC - REPLACE CONVENTIONAL SUB WITH BKR & HALF  PE180144 HCC - REPLACE CONVENTIONAL SUB WITH BKR & HALF  PE180140 RED BLUFF BUILD NEW 138/12KV SUBSTATION  PE180135 DUNLAVY - UPGRADE 69KV CKT #31 TO BLUFF (BP)  PE180136 HEIGHTS - UPGRADE 69KV CKT #31 TO DUNLAVY  PE180136 HEIGHTS - UPGRADE DUNLAVY  PE180044 CEDAR BAYOU PLANT  In Sproject, Please see project need and description in Schedule M-1 and M-2.  This project was part of the Red Bluff Substation Planning evaluated several options and selected projectictly based on operational performance, economic efficiency, and construction feasibility.  The most cost-effective solution to address the thermal loading poncems was selected. According to the analysis in the study, reconductoring the 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 poncems was selected. According to the analysis in the study, reconductoring the Dunlavy to Heights ine 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.	11		112724111202	#3 TO 138KV OPERATION		L		
PE180144 HOC - REPLACE CONVENTIONAL SUB WITH BKR 8 HALF  HLP/DDV1152/SB  PE180140 RED BLUFF BUILD NEW 138/12KV SUBSTATION  PE180135 DUNLAVY - UPGRADE 69KV CKT #31 TO DUNLAVY  HLP/DDV1117/SB  PE180136 HEIGHTS - UPGRADE 08KV CKT #31 TO DUNLAVY  HLP/DDV1117/SB  PE180136 HEIGHTS - UPGRADE DUNLAVY - UPGRADE 08KV CKT #31 TO DUNLAVY  PE180136 PE220211 HEIGHTS - UPGRADE DUNLAVY - UPGRADE 08KV CKT #31 TO DUNLAVY  PE180136 PE220211 HEIGHTS - UPGRADE DUNLAVY - UPGRADE 08KV CKT #31 TO DUNLAVY  PE180136 PE220211 HEIGHTS - UPGRADE DUNLAVY - UPGRADE 08KV CKT #31 TO DUNLAVY  PE180136 PE220211 HEIGHTS - UPGRADE DUNLAVY - UPGRADE 08KV CKT #31 TO DUNLAVY  PE180136 PE220211 HEIGHTS - UPGRADE DUNLAVY - UPGRADE 08KV CKT #31 TO DUNLAVY - UPGRADE 08KV CKT #31 TO DUNLAVY - UPGRADE DUNLAVY - UPGRADE 08KV CKT #31 TO DUNLAVY - UPGRADE DUNLAVY - UPGRADE 08KV CKT #31 TO DUNLAVY - UPGRADE DUNLAVY - UPGRADE 08KV CKT #31 TO DUNLAVY - UPGRADE DUNLAVY	189							04 - 000 075
PE180144 HOC- REPLACE CONVENTIONAL SUB WITH BKR 8 HALF  HLP/DD/1152/SB  PE180410 RED BLUFF BUILD NEW 138/12KV SUBSTATION  PE180410 RED BLUFF BUILD NEW 138/12KV SUBSTATION  PE180410 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 kit-2.  The seprojects were part of the Upgrade CKT31  Dunlavy to Heights Project. Please see project need and description in Schedule M-1 and kit-2.  These projects were part of the Upgrade CKT31  Dunlavy to Heights Project. Please see project need and description in Schedule M-1 and kit-2.  The most cost-effective solution to address the thermal loading concerns was selected. According to the analysis in the study, reconductioning the Dunlavy to Heights line and upgrade substation equipment at both Dunlavy to Heights substations avoid alleviate the potential P2, P3, P6 and P7 line loading concerns seen in the current base cases.								514,329.375
PE180135 DUNLAVY - UPGRADE 69KV CKT #31 TO DUNLAVY  HLP/DD/1117/SB  PE180136 HEIGHTS - UPGRADE 69KV CKT #31 TO DUNLAVY  HLP/DD/1152/SB  PE180044 CEDAR BAYOU PLANT  PE180044 CEDAR BAYOU PLANT  PE180044 CEDAR BAYOU PLANT  PE180044 CEDAR BAYOU PLANT  PE180045 CONVENTIONAL SUB WITH BKR & HALF  Planning recommended Options 18 and 3A based on performance and cost.  Distribution Planning evaluated several options and selected project(s) based on operational performance, economic efficiency, and construction feasibility.  Distribution Planning recommended Options 18 and 3A based on performance and cost.  Distribution Planning evaluated several options and selected project(s) based on operational performance, economic efficiency, and construction feasibility.  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 petertial P2, P3, P6 and P7 line loading concerns seen in the current base cases.				PE180144 HOC - REPLACE		and description in our education in 1 and in-2.		
PE180410 RED BLUFF BUILD NEW 138/12KV SUBSTATION  PE180410 RED BLUFF BUILD NEW 138/12KV SUBSTATION  PE180410 RED BLUFF BUILD NEW 138/12KV SUBSTATION  Project. Please see project need and description in Schedule M-1 and kN-2.  Distribution Planning evaluated several options and selected project(s) based on operational performance, economic efficiency, and construction feasibility.  The project was part of the Red Bluff Substation Project Please see project need and description in Schedule M-1 and kN-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 Project. Please see project need and description in Schedule M-1 and M-2.  PE180136 HEIGHTS - UPGRADE 69KV CKT #31 TO DUNLAVY  PE180136 HEIGHTS - UPGRADE DUNLAVY CKT 31  PE180044000CB PE180044 CEDAR BAYOU PLANT  PE180044 CEDAR BAYOU PLANT			HLP/DD/0936/SB					
HLP/D0/1152/SB PE180410 RED BLUFF BUILD NEW 138/12KV SUBSTATION  This project was part of the Red Bluff Substation Project (s) based on operational performance, economic efficiency, and construction feasibility.  HLP/D0/1117/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, reconductioning 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.								
PE180135 DUNLAVY - UPGRADE 69KV CKT #31 TO HEIGHTS - UPGRADE 69KV CKT #31 TO DUNLAVY  HLP/D0/1117/SB  PE180136 HEIGHTS - UPGRADE 69KV CKT #31 TO DUNLAVY  HLP/D0/11525/SB  PE220211 HEIGHTS - UPGRADE DUNLAVY  PE180044 CEDAR BAYOU PLANT  PE180044 CEDAR BAYOU PLANT  Ins project was pain to the Rea Bully and selected project(s) based on operational performance, economic efficiency, and construction feasibility.  Ins project was pain to the Rea Bully and description in Schedule M-1 and M-2.  Ins project was part of the Rea Bully and description in Schedule M-1 and M-2.  Ins project was part of the Rea Bully and description in Schedule M-1 and M-2.  Ins project was part of the Rea Bully and description in Schedule M-1 and M-2.  Ins project was part of the Rea Bully and description in Schedule M-1 and M-2.  Ins project was part of the Rea Bully and description in Schedule M-1 and M-2.  Ins project was part of the Rea Bully and description in Schedule M-1 and M-2.  In project Please see project need and description in Schedule M-1 and M-2.  In project Please see project need and description in Schedule M-1 and M-2.  In project Please see project need and description in Schedule M-1 and M-2.  In project Please see project need and description in Schedule M-1 and M-2.  In project Please see project need and description in Schedule M-1 and M-2.  In project Please see project need and description in Schedule M-1 and M-2.  In project Please see project need and description in Schedule M-1 and M-2.  In project Please see project need and description in Schedule M-1 and M-2.  In project Please see project need and description in Schedule M-1 and M-2.  In project Please see project need and description in Schedule M-1 and M-2.  In project Please see project need and description in Schedule M-1 and M-2.  In project Please see project need and description in Schedule M-1 and M-2.  In project Please see project need and description in Schedule M-1 and M-2.  In project Please see project need and description in Schedule M-1 and M-2	190							
HLP/DD/1152/SB PE180135 DUNLAVY - UPGRADE 69KV CKT #31 TO HEIGHTS - UPGRADE 69KV CKT #31 TO DUNLAVY HLP/DD/1117/SB PE180136 HEIGHTS - UPGRADE 69KV CKT #31 TO DUNLAVY HLP/DD/1117/SB PE220211 HEIGHTS - UPGRADE DUNLAVY PE220211 HEIGHTS - UPGRADE DUNLAVY PE38044 CEDAR BAYOU PLANT  PE180044 CEDAR BAYOU PLANT  Ins project was part of the Rea Burly substantion in Schedule M-1 and M-2.  Ins project was part of the Rea Burly substantion in Schedule M-1 and M-2.  Ins project was part of the Rea Burly substantion in Schedule M-1 and M-2.  Ins project was part of the Rea Burly substantion in Schedule M-1 and M-2.  Ins project was part of the Rea Burly substantion in Schedule M-1 and M-2.  The most cost-effective solution to address the thermal loading concerns was selected. According to burlavy to Heights line and upgrade substation equipment at both Dunlavy and Heights substations would allered by the Peace was part of the Upgrade CKT31 and M-2.  PE220211 HEIGHTS - UPGRADE DUNLAVY  HLP/00/1525/SB PE220211 HEIGHTS - UPGRADE DUNLAVY  CKT31  HLP/00/1400/SB PE180044 CEDAR BAYOU PLANT							Distribution Planning evaluated several options	
138/12KV SUBSTATION  138/12KV SUBSTATION  PE18013S 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 Project. Please see project need and description in Schedule M-1 and M-2.  HLP/00/1525/SB  PE220211 HEIGHTS - UPGRADE DUNLAVY  PE180044 CEDAR BAYOU PLANT  PE180044 CEDAR BAYOU PLANT			LUI DIDOMACOMO	PE160410 RED BLUFF BUILD NEW				
HLP/DD/1117/SB PE18013S 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.  HLP/DD/1117/SB PE220211 HEIGHTS - UPGRADE 69KV CKT #31 TO DUNLAVY  HLP/00/1525/SB PE220211 HEIGHTS - UPGRADE DUNLAVY CKT31  HLP/00/1525/SB PE220211 HEIGHTS - UPGRADE DUNLAVY CKT31  HLP/00/1525/SB PE280211 HEIGHTS - UPGRADE DUNLAVY CKT31			HLP/DU/1152/SB					\$12,000,000
HLP/DD/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.  HLP/DD/1117/SB PE220211 HEIGHTS - UPGRADE DUNLAVY CKT31  HLP/00/1525/SB PE220211 HEIGHTS - UPGRADE DUNLAVY CKT31  HLP/00/1525/SB PE180044 CEDAR BAYOU PLANT  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 licating concerns was selected. According to the analysis in the study, reconding to the property to the study reconding to the analysis in the study, reconding to the study reconding to the stu						acriedate IVI- I and IVI-2.	construction feasibility.	
The most cost-effective solution to address the thermal teading concerns was selected. According to the analysis in the study, reconductoring the Dunlavy to Heights Project. Please see project need and description in Schedule M-1 and M-2.  HLP/00/1525/SB  PE220211 HEIGHTS - UPGRADE DUNLAVY  HLP/00/1525/SB  PE220211 HEIGHTS - UPGRADE DUNLAVY CKT31  PE180044 CEDAR BAYOU PLANT  The most cost-effective solution to address the thermal teading control and description in Schedule M-1 and M-2. The most cost-effective solution to address the thermal teading control and seed and team of the Upgrade CKT31 to the analysis in the study, reconductoring the Dunlavy to Heights line and upgrade substation equipment at both Dunlavy and the potential P2, P3, P6 and P7 line loading concerns seen in the current base cases.	(91							
HLP/00/11/7/SB 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.  HLP/00/1525/SB PE2D211 HEIGHTS - UPGRADE DUNLAVY CKT31  HLP/00/1525/SB PE180044 CEDAR BAYOU PLANT  The most cost-effective solution to address the thermal Iceding concerns was selected. According to the analysis in the study, reconductoring the Dunlavy to Heights Project. Please see project need and description in Schedule M-1 and M-2.  HLP/00/1525/SB PE2D211 HEIGHTS - UPGRADE DUNLAVY CKT31  The most cost-effective solution to address the thermal Iceding concerns was selected. According to the analysis in the study, reconductoring the Dunlavy at OHeights line and upgrade substation equipment at both Dunlavy and Dunlavy to Heights substations would alleviate the potential P2, P3, P6 and P7 line loading concerns seen in the current base cases.				DE490496 DUNI MOV. UDG DADE 00007				
These projects were part of the Upgrade CKT31 Dunlary to Heights Project. Please see project need and description in Schedule M-1 and M-2.  PE180136 HEIGHTS - UPGRADE 68KV CKT #31 TO DUNLAVY  PE220211 HEIGHTS - UPGRADE DUNLAVY  HLP/00/1525/SB PE220211 HEIGHTS - UPGRADE DUNLAVY CKT31  PE180044 CEDAR BAYOU PLANT  These projects were part of the Upgrade CKT31 Dunlary to Heights Project. Please see project need and description in Schedule M-1 and M-2.  PE30044 CEDAR BAYOU PLANT  These projects were part of the Upgrade CKT31 Dunlary to Heights Project. Please see project need and description in Schedule M-1 and M-2.  PE30044 CEDAR BAYOU PLANT  These projects were part of the Upgrade CKT31 Dunlary to Heights Ine and upgrade substation equipment at btxh Dunlavy and Heights substations would allered and pugrade substation equipment at btxh Dunlavy and Heights substations would allered and the current base cases.  \$700,044			HLP/DD/1117/SB					
These projects were part of the Upgrade CKT31 Dunlary to Heights Project. Please see project need and description in Schedule M-1 and M-2.  HLP/00/1525/SB PE220211 HEIGHTS - UPGRADE DUNLAVY CKT31  These projects were part of the Upgrade CKT31 Dunlary to Heights Project. Please see project need and description in Schedule M-1 and M-2.  HLP/00/1525/SB PE220211 HEIGHTS - UPGRADE DUNLAVY CKT31  These projects were part of the Upgrade CKT31 Dunlary to Heights Inte 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.	ر ور			OKT WITTO HEIGHTO (BF)				
HLP/0D/1117/SB PE180136 HEIGHTS - UPGRADE 69KV CKT #31 TO DUNLAVY  PE180136 HEIGHTS - UPGRADE 69KV CKT #31 TO DUNLAVY  Dunlavy to Heights Project. Please see project need and description in Schedule M-1 and M-2.  PE180136 HEIGHTS - UPGRADE 69KV CKT #31 DUNLAVY  PE220211 HEIGHTS - UPGRADE DUNLAVY  CKT31  Dunlavy to Heights Project. Please see project need and description in Schedule M-1 and M-2.  PE380136 HEIGHTS - UPGRADE 69KV CKT #31 DUNLAVY  CKT31  Dunlavy to Heights Project. Please see project need and description in Schedule M-1 and M-2.  PE380136 HEIGHTS - UPGRADE 69KV CKT #31 DUNLAVY  CKT31  Dunlavy to Heights Project. Please see project need and description in Schedule M-1 and M-2.  PE380136 HEIGHTS - UPGRADE 69KV CKT #31 DUNLAVY  CKT31  Dunlavy to Heights Project. Please see project need and description in Schedule M-1 and M-2.  PE380136 HEIGHTS - UPGRADE 69KV CKT #31 DUNLAVY  CKT31  Dunlavy to Heights Project. Please see project need and description in Schedule M-1 and M-2.  PE380136 HEIGHTS - UPGRADE 69KV CKT #31 DUNLAVY  CKT31  DUNLAVY  PE380136 HEIGHTS - UPGRADE 69KV CKT #31 DUNLAVY  CKT31  DUNLAVY  PE380136 HEIGHTS - UPGRADE 69KV CKT #31 DUNLAVY  CKT31  DUNLAVY  PE380136 HEIGHTS - UPGRADE 69KV CKT #31 DUNLAVY  CKT31  DUNLAVY  PE380136 HEIGHTS - UPGRADE 69KV CKT #31 DUNLAVY  CKT31  DUNLAVY  PE380136 HEIGHTS - UPGRADE 69KV CKT #31 DUNLAVY  CKT31  DUNLAVY  PE380136 HEIGHTS - UPGRADE 69KV CKT #31 DUNLAVY  CKT31  DUNLAVY  PE380136 HEIGHTS - UPGRADE 69KV CKT #31 DUNLAVY  CKT31  DUNLAVY  PE380136 HEIGHTS - UPGRADE 69KV CKT #31 DUNLAVY  CKT31  DUNLAVY  PE380136 HEIGHTS - UPGRADE 69KV CKT #31 DUNLAVY  CKT31  DUNLAVY  PE380136 HEIGHTS - UPGRADE 69KV CKT #31 DUNLAVY  CKT31  DUNLAVY  PE380136 HEIGHTS - UPGRADE 69KV CKT #31 DUNLAVY  CKT31  DUNLAVY  PE380136 HEIGHTS - UPGRADE 69KV CKT #31 DUNLAVY  CKT31  DUNLAVY  PE380136 HEIGHTS - UPGRADE 69KV CKT #31 DUNLAVY  CKT31  DUNLAVY  PE380136 HEIGHTS - UPGRADE 69KV CKT #31 DUNLAVY  CKT31  DUNLAVY  PE380136 HEIGHTS - UPGRADE 69KV CKT #31 DUNLAVY  CKT31  DUNLAVY  PE38013	177					These projects were part of the Upgrade CKT31		
193 #31 TO DUNLAVY need and description in Schedule M-1 and M-2. substainers would allegate the potential P2, P3, P6 and P7 line loading concerns seen in the current base cases.  194 PE30044 OCCR PE180044 CEDAR BAYOU PLANT			HI DIDDUTTIZED	PE180136 HEIGHTS - UPGRADE 69KV CKT	T Dunlavy to Heights Project. Please see project need and description in Schedule M-1 and M-2.		\$700,044	
HLP/00/1525/SB PE220211 HEIGHTS - UPGRADE DUNLAVY CKT31  P6 and P7 line loading concerns seen in the current base cases.  PE220211 HEIGHTS - UPGRADE DUNLAVY CKT31  PE380044 CEDAR BAYOU PLANT	1,1		Introductions				i i	
HLP/00/1525/SB	193							
194 HLP/00/1525/SB CKT31 CKT31 PE180044 CEDAR BAYOU PLANT			l	PE220211 HEIGHTS - UPGRADE DUNI AVY				
194 PE180044 CEDAR BAYOU PLANT			HLP/00/1525/SB				current base cases.	
	194							
TOPIGNADE 138KV CKT #6/ TO STNANG	امر		HLP/00/1190/SB					
	(45		I	TUPGRADE 138KV CKT #87 TO STRANG		l .	I	I.

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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.	d. How these projects were selected among possible alternatives.	d. The initial budget for these projects.
196		HLP/00/1190/SB HLP/00/1190/SB	PE180036 CHORIN UPGRADE 138KV CKT #87 TO SRB. INCREASE AMPACITY (REPLACE AITEK WITH RUSSEL SUB) PE180034 SRB UPGRADE 138KV CKT #87		These projects were part of the CBY-Airtek CKT87 Upgrades Project. Please see project need and	The most cost-effective solution to address the thermal loading concerns seen in the ERCOT	\$2,407,086
197 198		HLP/00/1190/SB	TO CHORIN, INCREASE AMPACITY PE180043 CHORIN UPGRADE 138KV CKT #87 TO STRANG, INCREASE AMPACITY (BP) PE170088 STRANG UPGRADE AMPACITY OF CUSTOMER SUBSTATION		description in Schedule M-1 and M-2.	2015 Regional Transmission Plan was selected.	

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9	(1)	(2)	(3)				
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.
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.	S3,434,794
201		HLP/DD/1444/SB HLP/DD/1444/SB	PE210028 WEST GALVESTON - ADD 3RD 12KV, 50MVA TRANSFORMER PE200260 SPARES-PURCH 30/40/50 MVA		These projects were part of the West Galveston Add 3rd 50kWA 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.	S3,107,928
202		HLP/DD/1344/SB	POWER TRF 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.	\$13,282,609
204		HLP/00/1482/SB/0001	PE220037 SAN BERNARD BUILD NEW 138KV BKR & 1/2 SWITCHYARD				
205		HLP/DD/1482/SB/0001	PE220038 SOUTH LANE CITY INSTALL POTT SCHEME ON 138KV CKT TO SAN BERNARD		These projects were part of the San Bernard Sub for Dandiger Solar Project. Please see project need and description in Schedule M-1 and M-2.	The most cost-effective solution to connect new	
206		HLP/00/1482/SB/0001	PE220041 WEST COLUMBIA UPGRADE RELAY SCHEME ON CKT 04 TO SAN BERNARD			generator was selected.	\$8,465.777
207		HLP/DD/1482/SB/0001	PE220058 WEST COLUMBIA UPGRADE 138KV CKT04 TO SAN BERNARD TO MIN 810/840 MVA RATIN				
208		HLP/DD/1483/SB/0001	PE220065 JONTE - BUILD NEW 138KV BKR & 1/2 SWITCHYARD			The most cost-effective solution to address the	
209		HLP/00/1483/SB/0001	PE220066 NORTH BELT - UGRADE LINE RELAYING ON CKT TO JONTE		These projects were part of the Jonte 138kV Switching Station Project. Please see project need	voltage and operational concerns was selected. The addition of Jonte substation to the system	\$11,547, <del>6</del> 51
210		HLP/00/1483/SB/0001	PE220067 HARDY - UPGRAD CARRIER ON CKT TO JONTE		and description in Schedule M-1 and M-2.	identified in the 2024 summer base case as well as provides additional reliability and operational	311,047,001
211		HLP/DD/1483/SB/0001	PE220068 CROSBY - UPGRAD CARRIER ON CKT TO JONTE			benefits to the transmission system.	
212		HLP/00/1468/SB/0001	PE200387 PHR - UPGRADE RELAYING ON CKT 02 & CKT 03 TO ATTWATER (TNMP) (PHASE I)			TNMP performed an FIS study for the new Topaz	
214		HLP/00/1468/SB/0001	PE21D175 PHR - UPGRADE 138KV CKT 02 TO TOPAZ (TNMP)		These projects were part of the TNP Topaz & PHR-		2010 750
214		HLP/DD/1468/SB/00D2	PE21D176 PHR - UPGRADE 138KV CKT 03 TO TOPAZ (TNMP)		Attwater Upgrades Project. Please see project need and description in Schedule M-1 and M-2.	option, but this issue was resolved when using the POI configuration for the selected projects. Based on the absence of PO overloads, the above	\$816,750
215		HLP/00/1468/SB/0001	PE210179 PHR - UPGRADE RELAYING ON CKT 02 & CKT 03 TO ATTWATER (TNMP) (PHASE 2)			projects were chosen as the POI configuration for the Topaz Power Plant.	ď

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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.
216		HLP/00/1472/SB/0001	PE230028 ZENITH - EXPAND 138KV YARD TO INSTALL RADIAL CKT			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 Zerith – Village Creek okt 09 and buses served by this circuit without causing any additional reliability.	
217		HLP/D0/1472/SB/0002	PE23D029 VILLAGE CREEK - CONVERT FROM LOOP TO DOUBLE TAP CONFIGURATION		These projects were part of the Build New Radial From Zenth – Village Creek Project. Please see project need and description in Schedule M-1 and M-2.	concerns. Based on the analysis, CenterPoint Energy recommended Option 2 to resolve the potential thermal loading concern on 138 kV Franz – Katy ckt D8 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.	
218		HLP/DD/1396/SB	PE200042 BEASLY - BUILD NEW 138KV SWITCHYARD		These projects were part of the Ft Bend Solar		
219		HLP/00/1395/SB	PE200043 EAST BERNARD - UPGRADE CARRIER ON CKT #60		Interconnection Project. Please see project need	The most cost-effective solution to connect new generator was selected.	\$10,167,199
220		HLP/00/1395/SB	PE200044 SEALY - UPGRADE 138KV LOOP BUS TO 250WVA		and description in Schedule M-1 and M-2.	_	

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- 1 - 1	Projects Submitted	WBS#	(a) Project Name (with CCN Docket No., if		b. The need for these projects.	<ul> <li>d. How these projects were selected among</li> </ul>	d. The initial budget for these projects.			
- 1 - 1	to ERCOT RPG	, vear	Any)		a. The need for these projects.	possible alternatives.	a. The initial budget for these projects.			
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		HLP/00/0055/SB/0143	PE200256 ENCO - Install SCADA set at New							
127			Customer Sub							
122		HLP/00/0095/SB/0115	PE200257 EL DORADO - INSTALL 12KV 7.2		These projects were part of the ENCO Substation	The Transmission Planning study concluded that				
444			MVAR CAP BANK		Project. Please see project need and description in	selected projects proved to be the optimal solution	\$1,216.305			
223		HLP/00/0095/SB/0114	PE200258 SPENCER - Install 12kV 7.2MVAR Cap Bank		Schedule M-1 and M-2.	based on operational performance, economic	31,210.303			
4			PE200291 HARRISBURG - REMOVE AND		Oshowale in Frank Mrz.	efficiency, and construction feasibility.				
		HLP/DD/0095/SB/0115	RELOCATE 12KV 1D.8WVAR CAPACITOR							
224			BANK (CB2)		1					
F			PE180017 SURFSI - REPLACE LINE PANEL							
		HLP/00/0798/SB	ON CKT #59 TO JONES CREEK		1					
225		1121 700101 0000	(TRANSFER TRIP)							
		LU BIOGRADOS A	PE190010 CELNEC - REPLACE LINE		1					
226		HLP/00/0798/SB	PANEL ON CKT #35 TO LOMAX							
		LU BIOGRADACCA	PE190009 JONES CREEK - INSTALL FIBER			These projects were part of a program to install				
227		HLP/00/0798/SB	ON CKT #48 TO CORTEZ		These projects were part of the Dual Pilot Relaying	dual-pilot protection on shorter 138kV lines				
П			PE190011 LOMAX - REPLACE LINE PANEL		Project. Please see project need and description in	terminating in multi-line substations. The project	\$963,225			
- 1 - 1		HLP/00/0798/SB	ON CKT #35 TO CELNEC- REPLACE		Schedule M-1 and M-2.	locations were chosen to improve reliability to	\$803,225			
228			METERING P'S CKT #35		Schedule IVI- 1 and IVF2.	12kV or 35 kV customers, to major industrial				
		HLP/00/0798/SB	PE190221 MARINE - ADD DUAL PILOT TO			facilities and the 138kV transmission system.				
229		TIEL JOGIO/ SGOD	CORTEZ							
		HLP/00/0798/SB	PE190007 SURFSI - REPLACE LINE PANEL							
230		THE FOUND COURSE	ON CKT #59 TO VELASCO							
		HLP/DD/0798/SB	PE190008 VELASCO - ADD FIBER (DUAL							
251			PILOT) TO CKT #48 TO MARINE							
333		HLP/DD/0055/SB/014D	PE200047 SOUTH CHANNEL - UPGRADE							
232			LINE RELAYING		These projects were part of the Boggy Substation	With similar performance between the selected				
944		HLP/00/0055/SB/0140	PE200048 PAIR - UPGRADE LINE		Project. Please see project need and description in	projects and alternatives, the most cost-effective	\$1,119.051			
255			RELAYING / INSTALL FIBER PE200049 AIRPRO - UPGRADE LINE		Schedule M-1 and M-2.	option was selected.				
944		HLP/00/0055/SB/0140	RELAYING							
7.20			RELATING							
11					This project was part of the Britmoore-Add 3rd	Distribution Planning evaluated several options				
11		HLP/DD/1286/SB	PE210055 BRITMOORE - INSTALL 3RD		XFMR and 2 Feed Project. Please see project need	and selected project(s) based on operational	\$3,71D,451			
1 1		1.5.750 1250 30	TRF AND (2) 12KV FEEDERS		and description in Schedule M-1 and M-2.	performance, economic efficiency, and	35,7 10,46 1			
235		1			2 de samption in did readie int 1 and int 2.	construction feasibility.				
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		1	DE400000 ZENITH A TOE VICE		These projects were part of the Zenith Auto Area					
		HLP/DD/1127/SB	PE190232 ZENITH - Area Auto TRF INCR.		Project. The project addressed the need to mitigate					
			FAULT DUTY		potential loading concerns of the Zenith					
1 1		1			autotransformers under P1 and P6 ERCOT N-1-1					
11		1			auto unavailability contingency scenarios. The					
236					concerns relating to the loss of a Zenith					
		1			Autotransformer were identified under ERCOT's	Project was submitted for ERCOT Regional				
		1			Regional Transmission Plan in 2015	Planning Group (RPG) review and approval. Refer	57,468.225			
		1			* Install an 800 MVA (1000 MVA emergency)	to the attached RPG submittal for alternatives.				
		1			345:138 kV autotransformer at Zenith Substation					
					(3rd Zenith Auto)					
		HLP/00/1127/SB	PE180013 ZENITH - Install 3rd 345/138/23kV		* Upgrade fault duty at Zenith 138 kV to 80 KAIC					
		TIE 700 TIETOU	Auto TRF & Increase Fault Duty		(Replace 6 breakers and upgrade bus in breaker bays)					
1 1		1			bays)  * Upgrade fault duty at Zenith 345 kV to 63 KAIC					
		1			(Install 6 TRVs)					
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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.
238		HLP/DD/1269/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/00/0596/SB	PE2DD095 WHARTON - INSTALL 7TH 12KV FEEDER (BP)		This project was part of the Wharton Sub: Add7th 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/00/1041/SB	PE2DD097 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/106D/SB	PE200090 TRINITY BAY - INSTALL 5TH 35KV FEEDER (BP)		This project was part of the Trinity Bay: Add 9th 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.	52,319,755
243		HLP/00/1289/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.	56,268.896
244		HLP/00/1357/SB	PE2DD076 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 projectis) based on operational performance, economic efficiency, and construction feasibility.	\$592,136
245		HLP/DD/14D2/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.	\$648,109
246		HLP/00/1437/SB	PE2D103 HILLJE - CONVERT 345KV SWITCHYARD TO BKR AND A HALF (BP)		These projects were part of the Hillije – Convert to	The existing ring bus at Hillje could only accommodate one additional generator	
247		HLP/DD/1437/SB	PE200109 STP - UPGRADE CARRIER ON HILLJE CIRCUITS		BRKR and ½ Config Project. Please see project need and description in Schedule M-1 and M-2.	interconnect. With two oustomers requesting interconnection, converting to a breaker and half arrangement was the most cost-effective, reliable option.	\$3,999.687
248		HLP/00/1437/SB	PE200110 WAP - UPGRADE CARRIER ON HILLJE CIRCUITS			aption.	
249		HLP/DD/1166/SB	PE210057 GERTIE - ADD 10TH FEEDER		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

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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.
250		HLP/DD/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,D83
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 projectis) based on operational performance, economic efficiency, and construction feasibility.	\$3,024.900
252		HLP/00/1407/SB	PE210056 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.	\$4,390,295
253		HLP/00/1398/SB	PE2DD099 WHITE OAK - Install 15th 12kV Feeder (AP)		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/DD/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	PE190045 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 64-2.	Distribution Planning evaluated several options and selected project(s) based on operational performance, economic efficiency, and construction feasibility.	\$4,771.599
257		HLP/DD/1249/SB	PE190046 SPRINGWOOD - Instl 2 TRF's & 6 Fdrs IFDN		This project was part of the SPRINGWOOD- INSTALL 2 XFRS 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.	\$7,536,994
258		HLP/00/1123/SB	PE150235 UNIVERSITY - Convert Dist 89KV to 138KV		This project was part of the Convert University 68tV Load to 138tV Project. Please see project need and description in Schedule M-1 and M-2.	Transmission Planning analyzed the impact of converting the 89 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 138/99 kV aged autotransformer, which improved the reliability of its transmission system.	52,902.741
		HLP/00/0095/SB/0087	PE190003 JONES CREEK - Install 3rd				
259			138kV 120mvar Cap Bank PE180010 JONES CREEK - Install 2nd				
260		HLP/00/0095/SB/0087	138kV 160mvar Cap Bank		These projects were part of the DOW Load Increase Project. Please see project need and	Projects were determined to be the most cost	\$6,208,D92
261		HLP/00/0095/SB/0087	PE180032 VELASCO - Install 2nd 138kV 120MVAR CB		description in Schedule M-1 and M-2.	effective way to resolve voltage issues in the area.	50,200,002
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SWAR REACTOR Project. Please see project need and description in School Act and Dr. 2  The Project of the State of State	263		HLP/DD/0095/SB/0109			These projects were part of the W. GALV INSTALL				
IL-DIO00095/SB0110 PEDIODS INVARIA - register fluxive and description in Schedule In-1 and In-2.  IL-DIO00095/SB01111 PEDIODS INVARIANCE PROCESS I	П							\$785,990		
### HLPRO0099/SB0111 PET SIGNS HARMEDIAN - NemockEdenote 12-W Copelland   ### NUTRAL CAP DAMK Project. Please see project new part of the HEIGHTS - Indian 12-W Copelland   ### NUTRAL CAP DAMK Project. Please see project new part of the HEIGHTS - Indian 12-W Copelland   ### NUTRAL CAP DAMK Project. Please see project new part of the HEIGHTS - Indian 12-W Copelland   ### NUTRAL CAP DAMK Project. Please see project new part of the HEIGHTS - Indian 12-W Copelland   ### NUTRAL CAP DAMK Project. Please see project new part of the HEIGHTS - Indian 12-W Copelland   ### NUTRAL CAP DAMK Project. Please see project new part of the HEIGHTS - Indian 12-W Copelland   ### NUTRAL CAP DAMK Project. Please see project new part of the HEIGHTS - Indian 12-W Copelland   ### NUTRAL CAP DAMK Project. Please see project need and description in Schedule M-1 and M-2.   ### DAMK Project Please see project need and description in Schedule M-1 and M-2.   ### DAMK Project Please see project need and description in Schedule M-1 and M-2.   ### DAMK Project Please see project need and description in Schedule M-1 and M-2.   ### DAMK Project Please see project need and description in Schedule M-1 and M-2.   ### DAMK Project Please see project need and description in Schedule M-1 and M-2.   ### DAMK Project Please see project need and description in Schedule M-1 and M-2.   ### DAMK Project Please see project need and description in Schedule M-1 and M-2.   ### DAMK Project Please see project need and description in Schedule M-1 and M-2.   ### DAMK Project Please see project need and description in Schedule M-1 and M-2.   ### DAMK Project Please see project need and description in Schedule M-1 and M-2.   ### DAMK Project Please see project need and description in Schedule M-1 and M-2.   ### DAMK Project Please see project need and description in Schedule M-1 and M-2.   ### DAMK Project Please see project need and description in Schedule M-1 and M-2.   ### DAMK PROJECT Please Schedule Schedule M-1 and M-2.   ### DAMK PROJECT Please Schedule M-1 and	1 1		HI D/00/0095/SB/0110				economical option(s).	<b>\$100,000</b>		
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### PUNULUSAGEDHIT   at TRF #1   contingency   continued   conti				PE190136 HEIGHTS - Install 12M/ Can Bank				\$338,041		
HLP/00/095/SB/0112 PE200764-VILLAGE CREEK - Indian(2) 14.4 INVAR Cap PE200764-VILLAGE CREEK - Indian(2) 14.4 Invarious Period Created and description in Schedule M-1 and M-2.  This project was part of the Urgade CEY 138 WF Fault Current Period Created Period Created projects provided the best fault day performance improvement when compared with description in Schedule M-1 and M-2.  This project was part of the Urgade CEY 138 WF Fault Peace see project media and description in Schedule M-1 and M-2.  This project was part of the Urgade CEY 138 WF Fault Peace see project media and description in Schedule M-1 and M-2.  This project was part of the Urgade CEY 138 WF Fault Peace see project media and description in Schedule M-1 and M-2.  This project was part of the Urgade CEY 138 WF Fault Peace see project media and description in Schedule M-1 and M-2.  This project was part of the Urgade CEY 138 WF Fault Peace see project media and description in Schedule M-1 and M-2.  This project was part of the Urgade CEY 138 WF Fault Peace see project media and description in Schedule M-1 and M-2.  This project was part of the Urgade CEY 138 WF Fault Peace see project media and description in Schedule M-1 and M-2.  This project was part of the Tanker ADD XFMIZE TO ADD Tanker ADD XFMIZE TO ADD Tanker ADD XFMIZE TO ADD Tanker ADD Tanker ADD XFMIZE TO ADD Tanker ADD XFMIZE TO ADD Tanker ADD XF			HLP/DD/0095/SB/0111			need and description in Schedule M-1 and M-2.				
PEZOIO 4 VILLAGE CREK - Install (2) 14.4 hNAR 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.  This project was part of the Upgrade CBY 138 W Willage Creek substation to most NERX RAMIN part of the VILLAGE CREEK CAP BANK Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the Upgrade CBY 138 W Willage Creek substation to most NERX RAMIN part of the Upgrade CBY 138 W Willage Creek substation to most NERX RAMIN part of the Upgrade CBY 138 W Willage Creek substation to most NERX RAMIN part of the Upgrade CBY 138 W Willage Creek substation to most NERX RAMIN part of the Upgrade CBY 138 W Willage Creek substation to most NERX RAMIN part of the Upgrade CBY 138 W Willage Creek substation to most NERX RAMIN part of the Upgrade CBY 138 W Willage Creek substation to most NERX RAMIN part of the Upgrade CBY 138 W Willage Creek substation to most NERX RAMIN part of the Upgrade CBY 138 W Willage Creek substation to most NERX RAMIN part of the Upgrade CBY 138 W This part	266			Sec. 1161 771			ovining series.			
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HLP/00/096/SB/0112 PEZ20034 FULLAGE CREEK - Install(2) 14.4 MVAR Cap PANK Prigat. Places see project need and description in Schedule M-1 and M-2.  This project was part of the JURIAGE CREEK CAP Reliability Standards. ERCOT Transmission Planning Criticis, and Carlot on the MERC Pall District Control of the Part of th	1 1									
HLP/000150FS/B0112 PEDDITA VILLAGE CHEEK - Indial(s) 14-4 MAR Cap B AMK Project. Please see project need and description in Schedule M-1 and M-2.  HLP/000150FSB0039 PEDITOTIO CEDAR BAYOU PLANT - Install 138-W Series Reador  HLP/000150FSB0117 PEDDITA PLANT - Install 138-W 20MAR CAP BANK Project. Please see project need and description in Schedule M-1 and M-2 performance improvement when compared with other cytotom of the cytot	1 1									
DANK Project. Please as project need and description in Schedule M-1 and M-2.  HLP000130/SBR0039 PE21019 CEDAR BAYOU PLANT - Install 138/V Series Reador  This project was part of the Upgrade CSY 138/V Transmission System Design Oriteria.  This project was part of the Upgrade CSY 138/V Transmission System Design Oriteria.  This project was part of the Upgrade CSY 138/V Transmission System Design Oriteria.  This project was part of the Upgrade CSY 138/V Transmission System Design Oriteria.  This project was part of the Upgrade CSY 138/V Transmission System Design Oriteria.  This project was part of the Upgrade CSY 138/V Transmission System Design Oriteria.  This project was part of the Upgrade CSY 138/V Transmission System Design Oriteria.  This project was part of the Upgrade CSY 138/V Transmission System Design Oriteria.  This project was part of the Upgrade CSY 138/V Transmission System Design Oriteria.  This project was part of the Upgrade CSY 138/V Transmission System Design Oriteria.  This project was part of the Upgrade CSY 138/V Transmission System Design Oriteria.  This project was part of the Upgrade CSY 138/V Transmission System Design Oriteria.  This project was part of the JANNER-ADD XTMW2 FEEDER Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the FAINERANKS ADD 136/V FEEDER Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the FAIRBANKS ADD 136/V FEEDER Project. Please see project need and feeder project and and schedule M-1 and M-2.  This project was part of the FAIRBANKS ADD 136/V FEEDER Project. Please see project need and feeder project and and schedule M-1 and M-2.  This project was part of the FAIRBANKS ADD 136/V FEEDER Project. Please see project need and feeder project and and schedule M-1 and M-2.  This project was part of the FAIRBANKS ADD 136/V FEEDER Project. Please see project need and feeder project and and schedule M-1 and M-2.  This project was part of the FAIRBANKS ADD 136/V FEEDER	1 1			BEODDIOA VILLAGE ORGEK - Install(0) 14.4						
HLP/00/013/05/8/03/99  PE21/01/19 CEDAR BAYOU PLANT - Install 138/W Series Reador  This project was part of the Upgrade CBY 138/W Fault Qurrent Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the Upgrade CBY 138/W Fault Qurrent Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the Upgrade CBY 138/W Fault Qurrent Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the AMBER ADD XTH/PID.  This project was part of the AMBER A	1 1		HLP/00/0095/SB/0112					\$635,223		
HLP000130/SB0039 PEZID019 CEDAR BAYCU PLANT - Install 138-W Series Reactor  HLP0000130/SB0039 PEZID019 CEDAR BAYCU PLANT - Install 138-W Series Reactor  HLP0000030/SB0039 PEZID019 CEDAR BAYCU PLANT - Install 138-W Series Reactor  HLP0000030/SB0039 PEZID019 CEDAR BAYCU PLANT - Install 138-W Series Reactor  HLP0000030/SB00317 PEZID03 JONTE - INSTALL 138-W 20MAR CAP BANK  PEZ20032 JONTE - INSTALL 138-W 20MAR CAP BANK  PEZ20032 JONTE - INSTALL 138-W 20MAR CAP BANK  PEZ20032 TANNER - INSTALL 138-W 20MAR CAP BANK  PEZ20032 TANNER - INSTALL 138-W 20MAR CAP BANK  PEZ20037 TANNER - INSTALL 38-D 100-MA TRANSFORMER & 2-38-W 20MAR CAP BANK Project. Please see project mediand description in Schedule M-1 and M-2.  This project was part of the FAIRBANKS - ADD 100-MA TRANSFORMER & 2-38-W 20MAR CAP BANK Project. Please see project mediand description in Schedule M-1 and M-2.  This project was part of the FAIRBANKS - ADD 100-MA TRANSFORMER & 2-38-W 20MAR PROJECT Plant Part M-1 M-2 - 100-MA 10	1 1			Mark Cab		description in Schedule M-1 and M-2.	Reliability Standards, ERCOT Transmission			
HLP000130/SB0039 PE210019 CEDAR BAYOU PLANT - Install 138/V Series Reador  PE210019 CEDAR BAYOU PLANT - Install 138/V Series Reador  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.  This project was part of the JDR/BANK Project. Please see project the deal and description in Schedule M-1 and M-2.  This project was part of the JDR/BANK Project. Please see project the deal and description in Schedule M-1 and M-2.  Distribution Planning evaluated several options and description in Schedule M-1 and M-2.  This project was part of the TANDER-ADD XFMRZ. Please was project the deal of under substation.  Distribution Planning evaluated several options and description in Schedule M-1 and M-2.  This project was part of the TANDER-ADD XFMRZ. Please was project the deal of under substation.  Distribution Planning evaluated several options and description in Schedule M-1 and M-2.  This project was part of the TANDER-ADD XFMRZ. Please was project please was project. Please were project pleased on operational performance, sconance efficiency, and construction feasibility.  This project was part of the TANDER-ADD XFMRZ. Please was project. Please was project. Please was project pleased on operational performance, sconance efficiency, and construction feasibility.  This project was part of the TANDER-ADD XFMRZ. Please was project. Please was project pleased on operational performance, sconance efficiency, and construction feasibility.  This project was part of the TANDER-ADD XFMRZ. Please was project pleased on operational performance, sconance efficiency, and construction feasibility.  This project was part of the TANDER-ADD XFMRZ. Please was project pleased and description in Schedule M-1 and M-2.  This project was part of the TANDER-ADD XFMRZ. Please was project pleased and description in Schedule M-1 and M-2.  This project was part of the TANDER-ADD XFMRZ. Please was project pleased was performance, exconance efficiency, and construction	1 1						Planning Criteria, and CenterPoint Energy			
HLP/00/0130/SB/0039 PE2/0037 AND FEDER REAVOU PLANT - Install 1284 V Series Reador 1284 V Fault Current Project. Please see project need and chargington in Schedule M-1 and M-2.  This project was part of the Upgrade CBY 138 kV Fault Current Project. Please see project need and charging in Schedule M-1 and M-2.  This project was part of the JONTE - INSTALL 120 Current Project. Please see project need and charging in Schedule M-1 and M-2.  This project was part of the JONTE - INSTALL 120 Current Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the JONTE - INSTALL 120 Current Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the JONTE - INSTALL 120 Current Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the JONTE - INSTALL 120 Current Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the AINERANCS - INSTALL 120 Current Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the AINERANCS - INSTALL 120 Current Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the AINERANCS - INSTALL 120 Current Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the AINERANCS - INSTALL 120 Current Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the AINERANCS - INSTALL 120 Current Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the AINERANCS - INSTALL 120 Current Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the AINERANCS - INSTALL 120 Current Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the AINERANCS - INSTALL 120 Current Project. Please see project need and description in Schedule M-	307						Transmission System Design Criteria.			
HLP/00/13/0/SB/00/39 PE2/10/DELPM RS YOU PLANT - Install TSAV Series Reactors This project. Please see project need and description in Schedule M-1 and M-2. This project was part of the AINSTALL 136KV 20MVAR CAP BANK Project. Please see project need and description in Schedule M-1 and M-2. This project was part of the TANIER-ADD XFMIXD THIS project was part of the TANIER-AND XFMIXD THIS project was part of the ANIELTON-ADD 2 XFMIXD SERVED SERVED SERVED SERVED THE PROJECT Please see project need and description in Schedule M-1 and M-2. This project was part of the ANIELTON-ADD 2 XFMIXD SERVED SERVED SERVED THE PROJECT Please see project need and description in Schedule M-1 and M-2.  This project was part of the ANIELTON-ADD 2 XFMIXD SERVED SERVED THE PROJECT Please see project need and description in Schedule M-1 and M-2.  This project was part of the ANIELTON-ADD 2 XFMIXD SERVED SERVED THE PROJECT Please see project need and description in Schedule M-1 and M-2.  This project was part of the ANIELTON-ADD 2 XFMIXD SERVED SERVED THIS Project Please see project need and description in Schedule M-1 and M-2.  This project was part of the TANIER-ADD ADD 2 XFMIXD SERVED SERVED SERVED THE PROJECT PLANIER SERVED SERVED SERVED SERVED SER	207									
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description in Schedule M-1 and M-2.  This project was part of the JONTE - INSTALL 20M/AR Cap Bank Project. Please see project and advantage of the Jonte - Install Act 20M/AR Cap Bank Project. Please see project and description in Schedule M-1 and M-2.  This project was part of the JONTE - INSTALL 20M/AR Cap Bank Project. Please see project and description in Schedule M-1 and M-2.  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.  This project was part of the FAIRBANKS: ADD INSTALL 30M ASSENCE PROJECT Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the FAIRBANKS: ADD INSTALL 30M ASSENCE PROJECT Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the FAIRBANKS: ADD INSTALL 30M ASSENCE PROJECT Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the FAIRBANKS: ADD INSTALL 30M ASSENCE PROJECT Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the FAIRBANKS: ADD INSTALL 30M ASSENCE PROJECT Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the TANNER-ADD ASSENCE Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the THYVHARTON-ADD 10M PROFILE PROJECT Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the THYVHARTON-ADD 10M PROFILE PROJECT Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the THYVHARTON-ADD 10M PROFILE PROJECT Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the THYVHARTON-ADD 10M PROFILE PROJECT	1 1		HI BADOWA 13 DUE BADA 20	PE210019 CEDAR BAYOU PLANT - Install				C2 045 726		
HLP/00/13/18/SB PE22038 JONTE - INSTALL 13/8KV 20MVAR CAP BANK PE22038 JONTE - INSTALL 13/8KV 20MVAR CAP BANK Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the TAINERADD XFMRV FEDERS Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the TAINERADD XFMRV FEDERS Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the TAINERADD XFMRV FEDERS Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the TAINERANKS ADD 10HThough Federal performance, sociomic efficiency, and construction feasibility.  This project was part of the AINERANKS ADD 10HThough Federal performance accommic efficiency, and construction feasibility.  This project was part of the AINERANKS ADD 10HThough Federal performance accommic efficiency, and construction feasibility.  This project was part of the AINERANKS ADD 10HThough Federal performance accommic efficiency, and construction feasibility.  This project was part of the TAINERANKS ADD 10HThough Federal performance accommic efficiency, and construction feasibility.  This project was part of the AINERANKS ADD 10HThough Federal performance accommic efficiency, and construction feasibility.  This project was part of the THYWHARTON- ADD 2 XFMRZ ADD 2 FEDERS Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the Rayford - Install or the AINERANCH ADD 2 XFMRZ ADD 2 FEDERS Project. Please see project need and description and selected projectic) based on operational performance, economic efficiency, and construction feasibility.  These project was part of the Rayford - Install or transformer Project. Please see project need and description and selected projectic) based on operational performance, economic efficiency and construction feasibility.  These project was part of the THYWHARTON- ADD 2 Distribution Planning evaluated several options and selected projecti	1 1		HEPJOOO ISONS BROOSS	138kV Series Reactor				52,045.736		
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200 HLP/00/15/9/SB 2004 F- INSTALL 19RV 20M/AR CAP BANK Project. Please see project need and description in Schedule M-1 and M-2.  200 HLP/00/15/9/SB PE20037 ANISE - INSTALL 19RV 19R	-									
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DESCRIPTION OF THE PARK    PEZ20027 TANNER - INSTALL 3RD 100MVA TRANSFORMER 8 2-35KV FEEDERS Project. Please see project need and description in Schedule M-1 and M-2.   Distribution Planning evaluated several options and selected projectics) based on operational performance, economic efficiency, and construction feasibility.	1 1		HLP/DD/0095/SB/0117							
HLP/00/179/SB PE20037 TANNER - INSTALL 10TH 100/WA TRANSFORMER & 2-35KV FEEDERS PLUS 4 CKTS PEEDERS PLUS 4 CKTS PEEDER Project. Please see project need and description in Schedule M-1 and M-2.  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.  This project was part of the AIRBANKS: ADD 10TH 35KV FEEDER Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the AIRBANKS: ADD 10TH 35KV FEEDERS Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the AIRBANKS: ADD 10TH AIRBANKS: ADD 10TH 35KV FEEDERS Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the AIRBANKS: ADD 10TH AIRBANKS: ADD 10	1 1		1127203000000000000000000000000000000000	20MVAR CAP BANK				a 1,002,070		
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271  HLP/00/1506/SB  PE220087 ANGLETON - UPGRADE TRANSFORMERS 8 CONVERT TO LOW PROFILE  HLP/00/1506/SB  PE220087 ANGLETON - UPGRADE TRANSFORMERS 8 CONVERT TO LOW PROFILE  HLP/00/1506/SB  PE220083 THW - INSTALL 10TH 35KV FEEDER Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the ANGLETON-ADD 2 XFN/RS AND 2 FEEDERS Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the THWHARTON- ADD 10TH FEEDER Project need and description in Schedule M-1 and M-2.  This project was part of the THWHARTON- ADD 10TH FEEDER Project need and description in Schedule M-1 and M-2.  This project was part of the THWHARTON- ADD 10TH FEEDER Project need and description in Schedule M-1 and M-2.  This project was part of the THWHARTON- ADD 10TH FEEDER Project need and description in Schedule M-1 and M-2.  These projects were part of the Rayford - Install 3rd transformer Project. Please see project need and description in Schedule M-1 and M-2.  These projects were part of the Rayford - Install 3rd transformer Project. Please see project need and description in Schedule M-1 and M-2.  These projects were part of the Rayford - Install 3rd transformer Project. Please see project need and description in Schedule M-1 and M-2.  These projects were part of the Rayford - Install 3rd transformer Project. Please see project need and description in Schedule M-1 and M-2.  These projects were part of the Rayford - Install 3rd transformer Project. Please see project need and description in Schedule M-1 and M-2.  These projects were part of the Rayford - Install 3rd transformer Project. Please see project need and description in Schedule M-1 and M-2.  These projects were part of the Rayford - Install 3rd transformer Project. Please see project need and description in Schedule M-1 and M-2.  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				PE230044 FAIRBANKS - INSTALL 10TH						
PE220087 ANGLETON - UPGRADE TRANSFORMERS & CONVERT TO LOW PROFILE  HLP/00/1506/SB  PE220087 ANGLETON - UPGRADE TRANSFORMERS & CONVERT TO LOW PROFILE  HLP/D0/1507/SB  PE220093 THW - INSTALL 10TH 35KV FEEDER  PE220093 THW - INSTALL 10TH 35KV FEEDER  This project was part of the ANGLETON-ADD 2 XFI/RS 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.  These projects were part of the Rayford - Install 3rd transformer Project. Please see project need and description in Schedule M-1 and M-2.  These projects were part of the Rayford - Install 3rd transformer Project. Please see project need and description in Schedule M-1 and M-2.  This project was selected based on operational performance.  S9,459.673			HLP/00/1319/SB					\$327,342		
HLP/00/1508/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 part of the THVMHARTON-ADD 10 Intrinsing evaluated several options and selected project(s) based on operational performance. economic efficiency, and construction feasibility.  These projects were part of the Rayford - Install 3rd transformer Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the THVMHARTON-ADD 10 Intrinsing evaluated several options and selected project(s) based on operational performance. economic efficiency, and construction feasibility.  These projects were part of the Rayford - Install 3rd transformer Project. Please see project need and description in Schedule M-1 and M-2.  These projects were part of the Rayford - Install 3rd transformer Project. Please see project need and description in Schedule M-1 and M-2.  These projects were part of the Rayford - Install 3rd transformer Project. Please see project need and description in Schedule M-1 and M-2.  These projects were part of the Rayford - Install 3rd transformer Project. Please see project need and description in Schedule M-1 and M-2.  These projects were part of the Rayford - Install 3rd transformer Project. Please see project need and description in Schedule M-1 and M-2.  These projects were part of the Rayford - Install 3rd transformer Project. Please see project need and description in Schedule M-1 and M-2.  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	1,,,					need and description in Schedule M-1 and M-2.				
HLP/00/1508/SB PE220087 ANGLET ON - DPGRADE TRANSFORMERS & CONVERT TO LOW PROFILE  HLP/00/1507/SB PE220083 THW - INSTALL 10TH 35KV FEEDER  HLP/00/1507/SB PE230043 SPRINGWOOD - INSTALL 136KV BRINGWOOD - UPGRADE LINE RELAYING ON SPRINGWOOD - UPGRADE LINE RELAYING ON SPRINGWOOD - CKTS  HLP/00/1576/SB PE220095 TWINWOOD - BUILD NEW 35KV These geograte was part of the Rayford - Install 3rd transformer Project. Please see project need and description in Schedule M-1 and M-2.  This project was part of the TWWHARTON- ADD 10fth FEEDER Project. Please see project need and description in Schedule M-1 and M-2.  These projects were part of the Rayford - Install 3rd transformer Project. Please see project need and description in Schedule M-1 and M-2.  These projects were part of the Rayford - Install 3rd transformer Project. Please see project need and description in Schedule M-1 and M-2.  These projects were part of the Rayford - Install 3rd transformer Project. Please see project need and description in Schedule M-1 and M-2.  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  S5,701,710  Distribution Planning evaluated several options	2/ 1									
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and description in Schedule M-1 and M-2.    HLP/DD/1578/SB   PE230043 SPRINGWOOD - INSTALL   138KV PKR STATION   PE230048 ROTHWOOD - UPGRADE LINE   RELAYING ON SPRINGWOOD CKTS   PE220095 TWINWOOD - BUILD NEW 36KV   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   S5,701,710   PE220095 TWINWOOD - BUILD NEW 36KV   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   Distribution Planning evaluated several options   Pe220095 TWINWOOD - BUILD NEW 36KV   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   Pe220095 TWINWOOD - BUILD NEW 36KV   These projects were part of the Rayford - Install 3rd transformer Project. Please see project need and description in Schedule M-1 and M-2.			HLP/DD/15D7/SB					\$460.034		
273 274 HLP/DD/1576/SB PE330043 SPRINGWOOD - INSTALL 138KV BKR STATION HLP/DD/1576/SB PE330048 ROTHWOOD - UPGRADE LINE RELAYING ON SPRINGWOOD - KTS These projects were part of the Rayford - Install 3rd transformer Project. Please see project need and description in Schedule M-1 and M-2. These projects were part of the Rayford - Install 3rd transformer Project. Please see project need and description in Schedule M-1 and M-2.  These projects were part of the Rayford - Install 3rd transformer Project. Please see project need and description in Schedule M-1 and M-2.  These projects were part of the Rayford - Install 3rd transformer Project. Please see project need and description in Schedule M-1 and M-2.  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  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				FEEDER				*		
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RELAYING ON SPRINGWOOD CKTS description in Schedule M-1 and M-2. construction feasibility.  HEP/DD/15/035B RELAYING ON SPRINGWOOD CKTS description in Schedule M-1 and M-2. construction feasibility.  HEP/DD/15/035B RELAYING ON SPRINGWOOD CKTS description in Schedule M-1 and M-2. construction feasibility.	П					transformer Project. Please see project need and		\$6,701,710		
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PE22D95 TW/NWOOD - BUILD NEW 35KY These projects were part of TW/NWOOD - NEW and selected project(s) based on operational CenterPoint Houston is currently, drafting the	275			RELATING ON SPRINGWOOD CRTS		·	· .			
276 SUBSTATION SUBSTATION STATE AND A STATE OF THE STATE	П		LU DIDDG 417/EB	PE220095 TWINWOOD - BUILD NEW 35KV		Those projects were part of Tarishard OD NEW	Distribution Planning evaluated several options			
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