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**SOAH DOCKET NO. 473-24-13232
PUC DOCKET NO. 56211**

APPLICATION OF CENTERPOINT	§	BEFORE THE STATE OFFICE
ENERGY HOUSTON ELECTRIC, LLC	§	
FOR AUTHORITY TO CHANGE	§	OF
RATES	§	ADMINISTRATIVE HEARINGS

**COMMISSION STAFF'S SEVENTH REQUEST FOR INFORMATION TO
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
QUESTION NOS. STAFF 7-1 THROUGH 7-180**

Pursuant to 16 Texas Administrative Code (TAC) § 22.144 of the Commission's Procedural Rules, the Staff (Staff) of the Public Utility Commission of Texas (Commission) requests that CenterPoint Energy Houston Electric, LLC by and through its representative of record, provide the following information and answer the following questions under oath. The questions shall be answered in sufficient detail to fully present all of the relevant facts, within the time limit provided by the Presiding Officer, within 15 calendar days per SOAH Order No. 2 filed on March 27, 2024. Please copy the question immediately above the answer to each question. These questions are continuing in nature, and if there is a relevant change in circumstances, submit an amended answer, under oath, as a supplement to your original answer. State the name of the witness in this cause who will sponsor the answer to the question and can vouch for the truth of the answer.

Provide responses to the Requests for Information by filing with the Commission solely through the Interchange on the Commission's website and provide notice, by email, to all other parties that the pleading or document has been filed with the Commission, unless otherwise ordered by the presiding officer pursuant to the Second Order Suspending Rules in Project No. 50664.

Dated: May 24, 2024

Respectfully submitted,

**PUBLIC UTILITY COMMISSION OF TEXAS
LEGAL DIVISION**

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Division Director

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/s/ David Berlin
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CERTIFICATE OF SERVICE

I certify that, unless otherwise ordered by the presiding officer, notice of the filing of this document will be provided to all parties of record via electronic mail on May 24, 2024, in accordance with the Second Order Suspending Rules, issued in Project No. 50664.

/s/ David Berlin
David Berlin

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DEFINITIONS

- 1) "CenterPoint Houston" or "you" refers to CenterPoint Energy Houston Electric, LLC and any person acting or purporting to act on their behalf, including without limitation, attorneys, agents, advisors, investigators, representatives, employees, or other persons.
- 2) "Document" includes any written, recorded, or graphic matter, however produced or reproduced, including but not limited to correspondence, telegrams, contracts, agreements, notes in any form, memoranda, diaries, voice recording tapes, microfilms, pictures, computer media, work papers, calendars, minutes of meetings or other writings or graphic matter, including copies containing marginal notes or variations of any of the foregoing, now or previously in your possession. In the event any documents requested by this Request for Information have been transferred beyond your control, describe the circumstances under which the document was destroyed or transferred and provide an exact citation to the subject document. In the event that documents containing the exact information do not exist, but documents do exist which contain portions of the required information or which contain substantially similar information, then the definition of "documents" shall include the documents which do exist, and these documents will be provided.

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QUESTION NOS. STAFF 7-1 THROUGH 7-180**

INSTRUCTIONS

- 1) Pursuant to 16 TAC § 22.144(c)(2), Staff requests that answers to the requests for information be made under oath.
- 2) Please copy the question immediately above the answer to each question. State the name of the witness in this cause who will sponsor the answer to the question and can vouch for the truth of the answer.
- 3) These questions are continuing in nature, and if there is a relevant change in circumstances, submit an amended answer, under oath, as a supplement to your original answer.
- 4) Words used in the plural shall also be taken to mean and include the singular. Words used in the singular shall also be taken to mean and include the plural.
- 5) The present tense shall be construed to include the past tense, and the past tense shall be construed to include the present tense.
- 6) If any document is withheld under any claim of privilege, please furnish a list identifying each document for which a privilege is claimed, together with the following information: date, sender, recipients or copies, subject matter of the document, and the basis upon which such privilege is claimed.
- 7) Pursuant to 16 TAC § 22.144(h)(4), if the response to any request is voluminous, please provide a detailed index of the voluminous material.
- 8) Staff requests that each item of information be made available as it is completed, rather than upon completion of all information requested.

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**COMMISSION STAFF'S SEVENTH REQUEST FOR INFORMATION TO
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
QUESTION NOS. STAFF 7-1 THROUGH 7-180**

- Staff 7-1** Please refer to Schedule M-3.1 under the project heading "Freeport Master Project." Please provide the following information regarding this project:
- a. Please report the final total project cost by FERC Account for this project.
 - b. The contingency, if any, built into the initial project estimate.
 - c. Any impact the Covid-19 pandemic had on the project.
 - d. Any impact Winter Storm Uri had on the project.
 - e. Regarding the explanation for the variance, why would outages keep the contractors from working?
 - f. Regarding the explanation for the variance, please explain the easement issue. Was CNP expecting to have access to the easement and the landowner changed their mind for some reason?
- Staff 7-2** Please refer to Schedule M-3.1 under the project heading "Southwyck - Algoa Corner Rebuild." Please provide the following information regarding this project:
- a. Please report the final total project cost by FERC Account for this project.
 - b. The contingency, if any, built into the initial project estimate.
 - c. Regarding the explanation for the variance, please detail how the project was expanded as a result of feedback from the construction team.
- Staff 7-3** Please refer to Schedule M-3.1 under the project heading "Angleton - MONSAN Rebuild." Please provide the following information regarding this project:
- a. Please report the final total project cost by FERC Account for this project.
 - b. The contingency, if any, built into the initial project estimate.
 - c. Any impact the Covid-19 pandemic had on the project.
 - d. Any impact Winter Storm Uri had on the project.
 - e. Regarding the explanation for the variance, please explain how the delays and permitting issues led to a cost increase of 63%.
- Staff 7-4** Please refer to Schedule M-3.1 under the project heading "Ft Bend - West Columbia Conversion." Please provide the following information regarding this project:
- a. Please report the final total project cost by FERC Account for this project.
 - b. The contingency, if any, built into the initial project estimate.
 - c. Any impact the Covid-19 pandemic had on the project.

- d. Any impact Winter Storm Uri had on the project.
- e. Regarding the explanation for the variance, please provide any other solutions CenterPoint Houston considered when adjusting to these unexpected issues and why these solutions were selected.

Staff 7-5 Please refer to Schedule M-3.1 under the project heading “Jordan Area Load Addition.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Any impact Winter Storm Uri had on the project.
- d. Regarding the explanation for the variance, please detail how the project was expanded as a result of feedback from the construction team.

Staff 7-6 Please refer to Schedule M-3.1 under the project heading “WAP to Westpark Tollway ckt 09 Rebuild.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Any impact Winter Storm Uri had on the project.
- d. Regarding the explanation for the variance, please explain why the Covid-19 Pandemic required the project to be delayed for a year.
- e. Regarding the explanation for the variance, what was the cost of the mats and was that less than the cost of delaying the project due to weather?

Staff 7-7 Please refer to Schedule M-3.1 under the project heading “Mt Belvieu Reliability Upgrades.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Regarding the explanation for the variance, please provide any other solutions CenterPoint Houston considered when adjusting to these unexpected issues and why these solutions were selected.

Staff 7-8 Please refer to Schedule M-3.1 under the project heading “Wallis - Peters ckt 65 Rebuild.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Regarding the explanation for the variance, please detail how the project was expanded as a result of feedback from the construction team.

Staff 7-9 Please refer to Schedule M-3.1 under the project heading “Angleton - West Columbia ckt 04 RB/RC.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.

- b. The contingency, if any, built into the initial project estimate.
- c. Regarding the explanation for the variance, please provide any other solutions CenterPoint Houston considered when adjusting to these unexpected issues and why these solutions were selected.

Staff 7-10 Please refer to Schedule M-3.1 under the project heading “Algoa Corner - LaMarque ckt 93 RB/RC.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Regarding the explanation for the variance, please detail how the project was expanded as a result of feedback from the construction team.

Staff 7-11 Please refer to Schedule M-3.1 under the project heading “Greens Bayou - Clinton 138 kV Conversion.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Regarding the explanation for the variance, please detail how the project was expanded as a result of feedback from the construction team.

Staff 7-12 Please refer to Schedule M-3.1 under the project heading “STONE LAKE - NEW 35KV 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 contingency, if any, built into the initial project estimate.
- c. Regarding the explanation for the variance, please detail how the project was expanded as a result of feedback from the construction team.

Staff 7-13 Please refer to Schedule M-3.1 under the project heading “RED-TAILED HAWK INTERCONNECTION.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Regarding the explanation for the variance, please provide any other solutions CenterPoint Houston considered when adjusting to these unexpected issues and why were these solutions selected.

Staff 7-14 Please refer to Schedule M-3.1 under the project heading “HUNGERFORD-SBRANCH SOLAR INTERCONNECTION.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Regarding the explanation for the variance, please detail how the project was expanded as a result of feedback from the construction team.

- Staff 7-15** Please refer to Schedule M-3.1 under the project heading “RIVERSIDE SUB INTERCONNECTION.” Please provide the following information regarding this project:
- Please report the final total project cost by FERC Account for this project.
 - The contingency, if any, built into the initial project estimate.
 - Regarding the explanation for the variance, what was the cost of the mats and was that less than the cost of delaying the project due to weather?
 - Regarding the explanation for the variance, please provide any other solutions CenterPoint Houston considered when adjusting to these unexpected issues and why these solutions were selected.
- Staff 7-16** Please refer to Schedule M-3.1 under the project heading “LONGBOW INTERCONNECTION.” Please provide the following information regarding this project:
- Please report the final total project cost by FERC Account for this project.
 - The contingency, if any, built into the initial project estimate.
 - Regarding the explanation for the variance, what was the cost of the mats and was that less than the cost of delaying the project due to weather?
- Staff 7-17** Please refer to Schedule M-3.1 under the project heading “GARTH - NEW 12KV SUBSTATION.” Please provide the following information regarding this project:
- Please report the final total project cost by FERC Account for this project.
 - The contingency, if any, built into the initial project estimate.
 - Any impact the Covid-19 pandemic had on the project.
 - Regarding the explanation for the variance, please detail how the project was expanded as a result of feedback from the construction team.
- Staff 7-18** Please refer to Schedule M-3.1 under the project heading “WORTHAM - NEW 35KV SUBSTATION.” Please provide the following information regarding this project:
- Please report the final total project cost by FERC Account for this project.
 - The contingency, if any, built into the initial project estimate.
 - Any impact the Covid-19 pandemic had on the project.
 - Any impact Winter Storm Uri had on the project.
 - Regarding the explanation for the variance, please explain why the scope of the project was increased.
- Staff 7-19** Please refer to Schedule M-3.1 under the project heading “BURKE INTERCONNECTION.” Please provide the following information regarding this project:
- Please report the final total project cost by FERC Account for this project.
 - The contingency, if any, built into the initial project estimate.

- c. Any impact the Covid-19 pandemic had on the project.
- d. Regarding the explanation for the variance, please describe the reliability considerations that required the increased labor costs.

Staff 7-20 Please refer to Schedule M-3.1 under the project heading “Baytown Area Upgrades.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Any impact the Covid-19 pandemic had on the project.
- d. Any impact Winter Storm Uri had on the project.
- e. Regarding the explanation for the variance, please further explain the reasons for the easement issues with Exxon and what the issues were that led to the lengthy negotiations.
- f. Regarding the explanation for the variance, please explain the source of the unexpected outage constraints.

Staff 7-21 Please refer to Schedule M-3.1 under the project heading “Peyton Creek Wind Generator Interconnect.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Any impact the Covid-19 pandemic had on the project.
- d. Regarding the explanation for the variance, what was the cost of the mats and was that less than the cost of delaying the project due to weather?

Staff 7-22 Please refer to Schedule M-3.1 under the project heading “Greens Bayou Reconfiguration.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Any impact the Covid-19 pandemic had on the project.
- d. Any impact Winter Storm Uri had on the project.
- e. When did this project begin and end construction?
- f. Regarding the explanation for the variance, what was the time period when these unexpected rains occurred?

Staff 7-23 Please refer to Schedule M-3.1 under the project heading “Ckt.05B Line Reposition.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Regarding the explanation for the variance, please detail how the project was expanded as a result of feedback from the construction team.

- Staff 7-24** Please refer to Schedule M-3.1 under the project heading “Mykawa Substation.” Please provide the following information regarding this project:
- Please report the final total project cost by FERC Account for this project.
 - The contingency, if any, built into the initial project estimate.
 - Regarding the explanation for the variance, please detail how the project was expanded as a result of feedback from the construction team.
- Staff 7-25** Please refer to Schedule M-3.1 under the project heading “WAP FAULT DUTY-BUS SPLIT.” Please provide the following information regarding this project:
- Please report the final total project cost by FERC Account for this project.
 - The contingency, if any, built into the initial project estimate.
 - Any impact the Covid-19 pandemic had on the project.
- Staff 7-26** Please refer to Schedule M-3.1 under the project heading “HOPSON SUBSTATION.” Please provide the following information regarding this project:
- Please report the final total project cost by FERC Account for this project.
 - The contingency, if any, built into the initial project estimate.
 - Any impact the Covid-19 pandemic had on the project.
 - Regarding the explanation for the variance, please provide the costs for the mats.
 - Regarding the explanation for the variance, please explain the need to repair the bypass.
- Staff 7-27** Please refer to Schedule M-3.1 under the project heading “CELWST SUBSTATION.” Please provide the following information regarding this project:
- Please report the final total project cost by FERC Account for this project.
 - The contingency, if any, built into the initial project estimate.
 - Regarding the explanation for the variance, describe the issues with railroad access. What was the unrelated project? Why was this missed in the planning phase?
- Staff 7-28** Please refer to Schedule M-3.1 under the project heading “RIGBY SUBSTATION.” Please provide the following information regarding this project:
- Please report the final total project cost by FERC Account for this project.
 - The contingency, if any, built into the initial project estimate.
 - Any impact the Covid-19 pandemic had on the project.
 - Regarding the explanation for the variance, what was the cost of the mats?
- Staff 7-29** Please refer to Schedule M-3.1 under the project heading “RUSSEL - NEW TRANSMISSION CUSTOMER.” Please provide the following information regarding this project:
- Please report the final total project cost by FERC Account for this project.
 - The contingency, if any, built into the initial project estimate.

- c. Any impact the Covid-19 pandemic had on the project.
- d. Regarding the explanation for the variance, please describe the circumstances of the shelter in place order.
- e. Regarding the explanation for the variance, what was the cost of the mats?

Staff 7-30 Please refer to Schedule M-3.1 under the project heading “GULFTIE GENERATOR INTERCONNECTION.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Regarding the explanation for the variance, please detail how the project was expanded as a result of feedback from the construction team.

Staff 7-31 Please refer to Schedule M-3.1 under the project heading “COPPER TO JONES CREEK CKT02.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Any impact the Covid-19 pandemic had on the project.
- d. Any impact Winter Storm Uri had on the project.
- e. Regarding the explanation for the variance, please explain how the manufacturing delivery delays cause outage constraints.

Staff 7-32 Please refer to Schedule M-3.1 under the project heading “NASH LOOP.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Any impact the Covid-19 pandemic had on the project.
- d. Regarding the explanation for the variance, what was the cost of the mats and was that less than the cost of delaying the project due to weather?

Staff 7-33 Please refer to Schedule M-3.1 under the project heading “BASF HOFMAN UPDGRADE CKT 2.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Any impact the Covid-19 pandemic had on the project.
- d. Regarding the explanation for the variance, what was the total cost of the work the landowners required?
- e. Regarding the explanation for the variance, how did the landowner cause delays in obtaining the railroad permit? What was the extent of that delay?

Staff 7-34 Please refer to Schedule M-3.1 under the project heading “OLD 300 SOLAR CENTER INTERCONNECTION.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Any impact the Covid-19 pandemic had on the project.
- d. Any impact Winter Storm Uri had on the project.
- e. Regarding the explanation for the variance, why did the delays lead to increased equipment costs? What were the extent of those costs?

Staff 7-35 Please refer to Schedule M-3.1 under the project heading “Convert Alvin sub to 138 kV, double tap.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Any impact Winter Storm Uri had on the project.
- d. Regarding the explanation for the variance, please detail how the project was expanded as a result of feedback from the construction team.

Staff 7-36 Please refer to Schedule M-3.1 under the project heading “CONVERT HOC LOAD FROM 69 TO 138KV.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Regarding the explanation for the variance, what was the cost of the mats and was that less than the cost of delaying the project due to weather?

Staff 7-37 Please refer to Schedule M-3.1 under the project heading “IMPERIAL TAP UPGRADE.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Regarding the explanation for the variance, please detail how the project was expanded as a result of feedback from the construction team.

Staff 7-38 Please refer to Schedule M-3.1 under the project heading “UPGRADE CKT 90 NB-GREENS TAP-Lockwood.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Regarding the explanation for the variance, please detail how the project was expanded as a result of feedback from the construction team.

Staff 7-39 Please refer to Schedule M-3.1 under the project heading “UPGRADE CKT 25 AND 73 CLODINE - OBRIEN.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.

- c. Any impact the Covid-19 pandemic had on the project.
- d. Regarding the explanation for the variance, why were more mats required than initially planned?
- e. Regarding the explanation for the variance, please provide any other solutions CenterPoint Houston considered when adjusting to these unexpected issues and why these solutions were selected.

Staff 7-40 Please refer to Schedule M-3.1 under the project heading “GERTIE TAP UPGRADE.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Any impact the Covid-19 pandemic had on the project.
- d. Regarding the explanation for the variance, what was the cost to do the necessary corrections to the raiser beams?

Staff 7-41 Please refer to Schedule M-3.1 under the project heading “PSARCO-METALSSW REBUILD CKT 94.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Any impact the Covid-19 pandemic had on the project.
- d. Regarding the explanation for the variance, what was the damage that required repair and replacement?
- e. Regarding the explanation for the variance, why was the deadend material missing from one structure, and why were two deadend structures required to overcome this issue?

Staff 7-42 Please refer to Schedule M-3.1 under the project heading “RITTENHAUS REBUILD CKT 95B TAP.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Regarding the explanation for the variance, please detail how the project was expanded as a result of feedback from the construction team.

Staff 7-43 Please refer to Schedule M-3.1 under the project heading “RITTENHAUS TAP CKT 86 REBUILD.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Regarding the explanation for the variance, please detail how the project was expanded as a result of feedback from the construction team.

Staff 7-44 Please refer to Schedule M-3.1 under the project heading “TRSM PREV MAINTENANCE PRGM-CAPITAL.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Any impact the Covid-19 pandemic had on the project.
- d. Any impact Winter Storm Uri had on the project.
- e. Regarding the explanation for the variance, what were the extent of the pipeline company's requirements?
- f. Regarding the explanation for the variance, what were the rest of the unexpected ROW issues?
- g. Regarding the explanation for the variance, was the cost of the construction in severe weather less than the cost of delaying the project due to weather?

Staff 7-45 Please refer to Schedule M-3.1 under the project heading “BRAZOS RIVER STRUCTURE RELOCATIONS.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Any impact the Covid-19 pandemic had on the project.
- d. Any impact Winter Storm Uri had on the project.
- e. Regarding the explanation for the variance, was the severe weather mentioned the same as the hurricane? What was the name of the hurricane? Were there any other ways the hurricane impacted this project?

Staff 7-46 Please refer to Schedule M-3.1 under the project heading “PSARCO-CROSBY REBUILD CKT 08G.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Any impact the Covid-19 pandemic had on the project.
- d. Any impact Winter Storm Uri had on the project.
- e. Regarding the explanation for the variance, please explain the issues with caving and why they were unanticipated.
- f. Regarding the explanation for the variance, what was the cost of the mats and was that less than the cost of delaying the project due to weather?

Staff 7-47 Please refer to Schedule M-3.1 under the project heading “LINE CLEARANCE CORRECTIONS.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Any impact the Covid-19 pandemic had on the project.
- d. Any impact Winter Storm Uri had on the project.

- e. Regarding the explanation for the variance, please provide any other solutions CenterPoint Houston considered when adjusting to these unexpected issues and why these solutions were selected.

Staff 7-48 Please refer to Schedule M-3.1 under the project heading “MORGAN PT-ALKANE REBUILD 138KV CK96.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Any impact the Covid-19 pandemic had on the project.
- d. Regarding the explanation for the variance, please elaborate on the issues with the trains and railways and why they impacted access to the project.

Staff 7-49 Please refer to Schedule M-3.1 under the project heading “RESTORE CKT 18/27/60B COLORADO RIVER CROSSING.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Any impact the Covid-19 pandemic had on the project.
- d. Any impact Winter Storm Uri had on the project.
- e. Regarding the explanation for the variance, was the temporary easement due to the bypass?
- f. Regarding the explanation for the variance, what were the circumstances that required the project to be energized “on time?”

Staff 7-50 Please refer to Schedule M-3.1 under the project heading “MISSOURI CITY-ADD 3RD XFMR AND 2 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 contingency, if any, built into the initial project estimate.
- c. Any impact the Covid-19 pandemic had on the project.
- d. Any impact Winter Storm Uri had on the project.
- e. Regarding the explanation for the variance, was there a particular storm that was responsible for the flooding?
- f. Regarding the explanation for the variance, what was the cost of using the additional mats?

Staff 7-51 Please refer to Schedule M-3.1 under the project heading “JONES CREEK NEW 12KV SUB.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.

- c. Any impact the Covid-19 pandemic had on the project.
- d. Any impact Winter Storm Uri had on the project.
- e. Regarding the explanation for the variance, please detail how the project was expanded as a result of feedback from the construction team.

Staff 7-52 Please refer to Schedule M-3.1 under the project heading “San Bernard Sub for Danciger 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 contingency, if any, built into the initial project estimate.
- c. Regarding the explanation for the variance, please detail how the project was expanded as a result of feedback from the construction team.

Staff 7-53 Please refer to Schedule M-3.1 under the project heading “EXPLORER CORNER.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Regarding the explanation for the variance, was the severe weather a particular storm?
- d. Regarding the explanation for the variance, please explain why the weights and class of the structures require an update to the cost. Was the weight greater than planned?

Staff 7-54 Please refer to Schedule M-3.1 under the project heading “BRAZOS RIVER RELOCATE STRUCTURES.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Regarding the explanation for the variance, please provide any other solutions CenterPoint Houston considered when adjusting to these unexpected issues and why were these solutions selected?

Staff 7-55 Please refer to Schedule M-3.1 under the project heading “BEARLE NEW CUSTOMER 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 contingency, if any, built into the initial project estimate.
- c. Regarding the explanation for the variance, please detail how the project was expanded as a result of feedback from the construction team.

Staff 7-56 Please refer to Schedule M-3.1 under the project heading “138kV Ckt 06F-2: Holmes to Str #11434.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.

- c. Regarding the explanation for the variance, please detail how the project was expanded as a result of feedback from the construction team.

Staff 7-57 Please refer to Schedule M-3.1 under the project heading “REBUILD/RECONDUCTOR LA PORTE SUB TAPS.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Regarding the explanation for the variance, please detail how the project was expanded as a result of feedback from the construction team.

Staff 7-58 Please refer to Schedule M-3.1 under the project heading “CKT 32A DUNLAVY-HYDE PARK.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Regarding the explanation for the variance, please provide any other solutions CenterPoint Houston considered when adjusting to these unexpected issues and why these solutions were selected.

Staff 7-59 Please refer to Schedule M-3.1 under the project heading “COLLEGE SUB TAPS.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Regarding the explanation for the variance, please detail how the project was expanded as a result of feedback from the construction team.

Staff 7-60 Please refer to Schedule M-3.1 under the project heading “FOUNDATION REPLACEMENTS - ASR.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Any impact the Covid-19 pandemic had on the project.
- d. Any impact Winter Storm Uri had on the project.
- e. Regarding the explanation for the variance, please detail how the project was expanded as a result of feedback from the construction team.

Staff 7-61 Please refer to Schedule M-3.1 under the project heading “Rebuild/Reconductor Lauder Sub Taps.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Regarding the explanation for the variance, please detail how the project was expanded as a result of feedback from the construction team.

- Staff 7-62** Please refer to Schedule M-3.1 under the project heading “TNP TOPAZ & PHR-ATTWATER UPGRADES.” Please provide the following information regarding this project:
- Please report the final total project cost by FERC Account for this project.
 - The contingency, if any, built into the initial project estimate.
 - Any impact Winter Storm Uri had on the project.
 - Regarding the explanation for the variance, please detail how the project was expanded as a result of feedback from the construction team.
- Staff 7-63** Please refer to Schedule M-3.1 under the project heading “CKT96 DEER PARK TO CA UPGRADE.” Please provide the following information regarding this project:
- Please report the final total project cost by FERC Account for this project.
 - The contingency, if any, built into the initial project estimate.
 - Regarding the explanation for the variance, please total the cost of the modifications requested by the pipeline company.
- Staff 7-64** Please refer to Schedule M-3.1 under the project heading “FT BEND SOLAR INTERCONNECTION.” Please provide the following information regarding this project:
- Please report the final total project cost by FERC Account for this project.
 - The contingency, if any, built into the initial project estimate.
 - Regarding the explanation for the variance, please explain the reasons for the permit delays.
 - Regarding the explanation for the variance, please explain why more mats were required than initially planned.
- Staff 7-65** Please refer to Schedule M-3.1 under the project heading “Jordan-CITIES-DALTON.” Please provide the following information regarding this project:
- Please report the final total project cost by FERC Account for this project.
 - The contingency, if any, built into the initial project estimate.
 - Any impact Winter Storm Uri had on the project.
 - Regarding the explanation for the variance, please detail how the project was expanded as a result of feedback from the construction team.
- Staff 7-66** Please refer to Schedule M-3.1 under the project heading “ENCO Substation.” Please provide the following information regarding this project:
- Please report the final total project cost by FERC Account for this project.
 - The contingency, if any, built into the initial project estimate.
 - Any impact Winter Storm Uri had on the project.
 - Regarding the explanation for the variance, please detail how the project was expanded as a result of feedback from the construction team.

- Staff 7-67** Please refer to Schedule M-3.1 under the project heading “DUAL PILOT RELAYING.” Please provide the following information regarding this project:
- Please report the final total project cost by FERC Account for this project.
 - The contingency, if any, built into the initial project estimate.
 - Regarding the explanation for the variance, please detail how the project was expanded as a result of feedback from the construction team.
- Staff 7-68** Please refer to Schedule M-3.1 under the project heading “BRAZOS RIVER CROSSING Relocate Str #05429.” Please provide the following information regarding this project:
- Please report the final total project cost by FERC Account for this project.
 - The contingency, if any, built into the initial project estimate.
 - Regarding the explanation for the variance, please provide any other solutions CenterPoint Houston considered when adjusting to these unexpected issues and why these solutions were selected.
- Staff 7-69** Please refer to Schedule M-3.1 under the project heading “RELOCATE STR 10659.” Please provide the following information regarding this project:
- Please report the final total project cost by FERC Account for this project.
 - The contingency, if any, built into the initial project estimate.
 - Regarding the explanation for the variance, please detail how the project was expanded as a result of feedback from the construction team.
- Staff 7-70** Please refer to Schedule M-3.1 under the project heading “TWINWOOD - NEW 35KV SUBSTATION.” Please provide the following information regarding this project:
- Please report the final total project cost by FERC Account for this project.
 - The contingency, if any, built into the initial project estimate.
 - Regarding the explanation for the variance, please detail how the project was expanded as a result of feedback from the construction team.
- Staff 7-71** Please refer to Schedule M-3.1 under the project heading “DUNLAVY TAP.” Please provide the following information regarding this project:
- Please report the final total project cost by FERC Account for this project.
 - The contingency, if any, built into the initial project estimate.
 - Regarding the explanation for the variance, what was the total cost of the corrections to the towers?
- Staff 7-72** Please refer to Schedule M-3.1 under the project heading “69KV CKT 34A HEIGHTS-WHITE OAK.” Please provide the following information regarding this project:
- Please report the final total project cost by FERC Account for this project.
 - The contingency, if any, built into the initial project estimate.

- c. Regarding the explanation for the variance, please detail how the project was expanded as a result of feedback from the construction team.

Staff 7-73 Please refer to Schedule M-3.1 under the project heading “138KV CKT 37C TECO-GARROTT.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Regarding the explanation for the variance, please detail how the project was expanded as a result of feedback from the construction team.

Staff 7-74 Please refer to Schedule M-3.1 under the project heading “CKT 24 DUNVALE - WESTCHASE.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Regarding the explanation for the variance, please detail how the project was expanded as a result of feedback from the construction team.

Staff 7-75 Please refer to Schedule M-3.1 under the project heading “MOODY-STEWART CKT 63C-4.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The contingency, if any, built into the initial project estimate.
- c. Regarding the explanation for the variance, please detail how the project was expanded as a result of feedback from the construction team.

Staff 7-76 Please refer to Schedule M-3.1 under the projects named “PE190001 Install 3rd 800MVA Auto Transformer (BP)”, “PE190012 Loop 345kV STP/DOW CKT #27 Into Jones Creek (BP)”, and “PE190013 4th 138kV, 120MVAR Cap Bank and (2) Automatic Cap Banks.” 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.

Staff 7-77 Please refer to Schedule M-3.1 under the projects named “PE180030 SOUTHWYCK - RECONFIGURE & UPGRADE 138KV CKT #05 LOOP BUS (BP)”, “PE180151 HOC - Upgrade Line Relaying & Carrier on 138kV CKT #26 to Karsten”, and “PE180152 KARSTEN - Upgr Line Relaying & Carrier on 138kV CKT #26 to HOC & Repl RTU.” 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.

Staff 7-78 Please refer to Schedule M-3.1 under the projects named “PE190056 BIG CREEK - BUILD NEW 138/12KV SUBSTATION (BP)”, “PE190042 DAMON - CONVERT TO 138KV OPERATION (BP)”, “PE190043 West Columbia - Convert to 138kV Operation”, “PE200020 NEEDVILLE - BUILD NEW 138/12KV SUBSTATION”, “PE200021 FORT BEND - CONVERT CKT #45 TO 138KV OPERATION”, “PE200022 WEST COLUMBIA - CONVERT CKT #45 TO 138KV OPERATION”, “PE200023 WAP - REPLACE CARRIER EQUIPMENT CKT #02 TO W. COL”, and “PE200024 TEXWES - DISCONNECT CUSTOMER SUB & CONV TO DISTRIBUTION SERVICE.” 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.

Staff 7-79 Please refer to Schedule M-3.1 under the projects named “PE200100 DEEPWATER - RECONNECT 138KV SWITCHYARD & INSTALL 800 MVA AUTO TRF”, “PE200101 DEEPWATER - UPGRADE 138KV YARD FAULT DUTY TO 80KA (AP)”, and “PE200133 LYDELL - INSTALL 2ND FIBER OPTIC CABLE ON CKT #70 TO DEEPWATER.” 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.

Staff 7-80 Please refer to Schedule M-3.1 under the projects named “PE210029 JORDAN - INSTALL 3RD 800MVA AUTO TRF / PE210033 JORDAN - LOOP 345KV CKT #97 TO CHAMBERS/KING”, “PE210030 JORDAN - UPGRADE 138KV YARD TO 80KA”, “PE210031 CHAMBERS - UPGRADE CARRIER ON CKT #97 TO JORDAN (WAS KING)”, “PE210032 KING - UPGRADE CARRIER ON CKT #97 TO JORDAN (WAS CHAMBERS)”, “PE220008 PLACID - INSTALL SCADA SET AT NEW CUSTOMER SUB”, and “PE220009 RIGBY - INSTALL DUAL FIBER OPTIC CABLES ON CKT #86 TO PLACID.” 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.

Staff 7-81 Please refer to Schedule M-3.1 under the projects named “PE220012 JORDAN - INSTALL NEW LINE POSITION FOR 138KV CKT TO WINFRE”, “PE220013 MONT BELVIEU - INSTALL LINE POSITION FOR NEW 138KV CKT TO LNGSTN”, “PE220014 DALTON - UPGRADE LINE RELAYING ON MONT BELVIEU CKT (WAS WINFRE)”, “PE220015 WINFRE - UPGRADE LINE RELAYING ON EAGLE CKT (WAS LANGSTON)”, “PE220016 WINFRE - UPGRADE LINE RELAYING ON JORDAN CKT (WAS DALTON)”, “PE220017 LNGSTN - UPGRADE LINE RELAYING ON CHEVRON CKT (WAS WINFRE)“, “PE220018 EAGLE - UPGRADE LINE RELAYING ON WINFRE CKT (WAS CHEVRON)”, “PE220019 CHEV - UPGRADE LINE RELAYING ON LANGSTON CKT (WAS EAGLE)”, “PE220020 CHEV - UPGRADE CBY CKT86 TO MIN 669MVA EMER RATING”, “PE220022 CEDAR BAYOU PLANT - UPGRADE CHEVRON CKT86 TO MIN 669MVA EMER RATING” and “PE220023 WARVUE - UPGRADE LINE RELAYING ON CKT TO MONT BELVIEU.” 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.

Staff 7-82 Please refer to Schedule M-3.1 under the projects named “PE200221 WALLIS - UPGRADE 138KV CKT65 LOOP BUS TO 4000A (AP)”, “PE200233 EAST BERNARD - UPGRADE 138KV CKT65 TO GEBHRT TO 4000A”, “PE220054 SEALY - UPGRADE 138KV CKT65 LOOP BUS TO 4000A”, and “PE220055 PETERS - UPGRADE 138KV CKT65 TO GEBHRT TO 4000A.” 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.

Staff 7-83 Please refer to Schedule M-3.1 under the projects named “PE200207 ANGLETON - UPGRADE CKT04 TO WEST COLUMBIA TO 368MVA (BP)”, “PE200208 WEST COLUMBIA - UPGRADE CKT04 TO WEST COLUMBIA TO 368MVA (BP)”,

“PE220097 ANGLETON - UPGRADE CKT 04 TO WEST COLUMBIA TO 4000A CONTINUOUS RATING”, and “PE220098 WEST COLUMBIA - UPGRADE CKT 04 TO ANGLETON TO 4000A CONTINUOUS RATING.” 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.

Staff 7-84 Please refer to Schedule M-3.1 under the project named “PE230005 HITCHCOCK - UPGRADE 138KV CKT 93 LOOP TO 4000A.” 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.

Staff 7-85 Please refer to Schedule M-3.1 under the projects named “PE230008 Flewellen - UPGRADE 138KV PETERS CKT 25 TO 4000A CONTINUOUS RATING” and “PE230009 Peters - UPGRADE 138KV FLEWELLEN CKT25 TO 4000A CONTINUOUS RATING.” 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.

Staff 7-86 Please refer to Schedule M-3.1 under the projects named “PE230024 THW - CKT29A1: UPGRADE THW EQ”, “PE230025 LITTLE YORK - CKT29A1: UPGRADE LITTLE YORK EQ”, “PE230026 WHITE OAK - CKT29A2: UPGRADE WHITE OAK EQ”, and “PE230027 Bammel - UPGRADE CARRIER ON THW CKT 81.” 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.

Staff 7-87 Please refer to Schedule M-3.1 under the projects named “PE220230 GYPSUM - EXTEND 138KV TRANSMISSION SERVICE TO NEW CUSTOMER-OWNED SPER STONE”, “PE220311 CLINTON - 138KV BREAKER STATION”, “PE220312 GALENA PARK - MOVE DISTRIBUTION LOAD TO 138KV & REMOVE 69/138KV SWITCHYAR FACILITES”, “PE220313 GREENS BAYOU - RECONFIGURE 69KV SWITCHYARD & UPGRADE CARRIER ON 69KV CLINTON CKT”, “PE220314 NINTH - UPGRADE RELAYING ON 138KV CLINTON CKT”, and “PE220315 ANBUSH - UPGRADING RELAYING ON 138KV CLINTON CKT.” 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.

Staff 7-88 Please refer to Schedule M-3.1 under the projects named “PE220048 STONE LAKE - BUILD NEW 138/35KV SUBSTATION & (2) 14.4 MVAR CAP BANKS” and “PE220049 HOCKLEY - UPGRADE CKT 66 TO TOMBALL.” 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.

Staff 7-89 Please refer to Schedule M-3.1 under the project named “PE220078 BUILD NEW 345KV SWITCHYARD TO CONNECT 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.

- Staff 7-90** Please refer to Schedule M-3.1 under the projects named “PE220025 WOLF BUILD NEW 345KV BKR & 1/2 SWITCHYARD”, “PE220026 HILLJE INSTALL POTT SCHEME ON 345KV CKT #64 TO WOLF”, and “PE220027 WAP INSTALL POTT SCHEME ON 345KV CKT #64 TO WOLF.” Please provide the following information regarding these projects:
- Please report the final total project cost by FERC Account for these projects.
 - The need for these projects.
 - How these projects were selected among possible alternatives.
 - The initial budget for these projects.
 - Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.
- Staff 7-91** Please refer to Schedule M-3.1 under the projects named “PE220028 BLUE - BUILD NEW 345KV BKR & 1/2 SWITCHYARD”, “PE220029 BAILEY - INSTALL POTT SCHEME ON 345KV CKT #72 TO BLUE”, and “PE220030 HILLJE - INSTALL POTT SCHEME ON 345KV CKT #72 TO BLUE.” Please provide the following information regarding these projects:
- Please report the final total project cost by FERC Account for these projects.
 - The need for these projects.
 - How these projects were selected among possible alternatives.
 - The initial budget for these projects.
 - Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.
- Staff 7-92** Please refer to Schedule M-3.1 under the projects named “PE220031 HUNGERFORD - BUILD NEW 138KV BKR & 1/2 SWITCHYARD”, “PE220032 DYANN - UPGRADE LINE RELAYING ON CKT 60 TO HUNGERFORD”, “PE220033 DYANN - UPGRADE LINE RELAYING ON CKT 60 TO SOUTH LANE CITY”, “PE220034 EAST BERNARD - UPGRADE LINE RELAYING ON CKT 60 TO HUNGERFORD”, “PE220035 ORCHARD - UPGRADE LOOP BUS TO 525/580 MVA”, and “PE220036 SOUTH LANE CITY - UPGRADE LINE RELAYING ON CKT 60 TO DYANN.” Please provide the following information regarding these projects:
- Please report the final total project cost by FERC Account for these projects.
 - The need for these projects.
 - How these projects were selected among possible alternatives.
 - The initial budget for these projects.
 - Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.
- Staff 7-93** Please refer to Schedule M-3.1 under the projects named “PE220050 RIVERSIDE - BUILD NEW 138KV BKR & 1/2 SWITCHYARD”, “PE220051 CHAMON - INSTALL DUAL FIBER ON CKT #94 TO RIVERSIDE”, and “PE220052 PSARCO - INSTALL

DUAL FIBER ON CKT #94 TO RIVERSIDE.” 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.

Staff 7-94 Please refer to Schedule M-3.1 under the projects named “PE220069 DANBURY - BUILD NEW 138KV BKR & 1/2 SWITCHYARD”, “PE220070 ANGLETON - UGRADE LINE RELAYING ON CKT 04 TO DANBURY”, “PE220071 PETSON - UGRADE LINE RELAYING ON CKT 04 TO DANBURY”, “PE220073 MONSAN - CONVERT 2ND DCB RELAY SCHEME TO POTT”, “PE220075 HUDSON - UPGRADE LINE RELAYING ON 138KV CKT TO WEBSTER”, “PE220076 WEBSTER - INSTALL POTT RELAY SCHEME ON 138KV CKT TO HUDSON”, and “PE220212 LIVERPOOL - ROUTE FIBER INTO CONTROL CUBICLE.” 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.

Staff 7-95 Please refer to Schedule M-3.1 under the projects named “PE220103 ANGLETON-INSTALL LINE POSITION FOR NEW GENERATOR (MARK ONE)”, “PE220104 ANGLETON-UPGRADE 138 KV CKT 26 TO KARSTEN TO MIN 384 MVA EMERGENCY”, “PE220105 MONSAN-UPGRADE 138 KV CKT 04 TO PETSON TO MIN 290 MVA EMERGENCY RATING”, and “PE220106 HOC-UPGRADE 138 KV SOUTHWESTERN BUS TO MIN 775 MVA CONTINUOUS.” 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.

Staff 7-96 Please refer to Schedule M-3.1 under the projects named “PE190053 GARTH - BUILD NEW 138/12KV SUBSTATION (AP)”, “PE190058 HANEY - MODIFY 138KV

SECTIONALIZING SCHEME (AP)", and "PE190287 BAYTOWN - INSTALL DER TRANSFER TRIP." 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.

Staff 7-97 Please refer to Schedule M-3.1 under the projects named "PE190052 LAKE HOUSTON BUILD NEW 138/35KV SUBSTATION (AP)" and "PE190061 KINGWOOD - MODIFY 138KV SECTIONALIZING SCHEME (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.

Staff 7-98 Please refer to Schedule M-3.1 under the project named "PE210065 WORTHAM BUILD NEW 138/35KV 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.

Staff 7-99 Please refer to Schedule M-3.1 under the project named "PE200037 BURKE - BUILD NEW 138KV 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.

- Staff 7-100** Please refer to Schedule M-3.1 under the projects named “PE210068 EAGLE NEST BUILD NEW 138KV SWITCHYARD TO CONNECT NEW GENERATOR”, “PE210071 BURKE INSTALL POTT RELAY SCHEME ON CKT 02 TO EAGLE NEST”, and “PE210072 WEST COLUMBIA INSTALL POTT RELAY SCHEME ON CKT 02 TO EAGLE NEST.” Please provide the following information regarding these projects:
- Please report the final total project cost by FERC Account for these projects.
 - The need for these projects.
 - How these projects were selected among possible alternatives.
 - The initial budget for these projects.
 - Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.
- Staff 7-101** 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:
- Please report the final total project cost by FERC Account for these projects.
 - The need for these projects.
 - How these projects were selected among possible alternatives.
 - The initial budget for these projects.
 - Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.
- Staff 7-102** 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:
- Please report the final total project cost by FERC Account for this project.
 - The need for this project.
 - How this project was selected among possible alternatives.
 - The initial budget for this project.
 - Any issues that came up in constructing this project and how CenterPoint Houston resolved them.
- Staff 7-103** 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:
- 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.

Staff 7-104 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:

- 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.

Staff 7-105 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.

Staff 7-106 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.

- Staff 7-107** 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:
- Please report the final total project cost by FERC Account for these projects.
 - The need for these projects.
 - How these projects were selected among possible alternatives.
 - The initial budget for these projects.
 - Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.
- Staff 7-108** 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:
- Please report the final total project cost by FERC Account for this project.
 - The need for this project.
 - How this project was selected among possible alternatives.
 - The initial budget for this project.
 - Any issues that came up in constructing this project and how CenterPoint Houston resolved them.
- Staff 7-109** 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:
- Please report the final total project cost by FERC Account for this project.
 - The need for this project.
 - How this project was selected among possible alternatives.
 - The initial budget for this project.
 - Any issues that came up in constructing this project and how CenterPoint Houston resolved them.
- Staff 7-110** 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:
- Please report the final total project cost by FERC Account for these projects.
 - The need for these projects.
 - How these projects were selected among possible alternatives.
 - The initial budget for these projects.

- e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.

Staff 7-111 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.

Staff 7-112 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.
- 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.

Staff 7-113 Please refer to Schedule M-3.1 under the projects named “PE200209 STRANG UPGRADE RELAYING AND CARRIER ON CKT87 TO CEDAR BAYOU”, “PE200210 CEDAR BAYOU PLANT UPGRADE RELAYING AND CARRIER ON CKT87 TO STRANG”, “PE200211 QUANUM UPGRADE RELAYING AND CARRIER ON CKT85 TO CEDAR BAYOU”, “PE200212 CEDAR BAYOU PLANT UPGRADE RELAYING AND CARRIER ON CKT85 TO QUANUM”, “PE200213 BAYOU UPGRADE RELAYING AND CARRIER ON CKT79 TO MORGANS POINT”, “PE200214 MORGANS POINT UPGRADE RELAYING AND CARRIER ON CKT79 TO BAYOU, PRE-INSTALL DUAL FIBER CABLES”, “PE200215 CHORIN INSTALL DUAL FIBER ON CKT87 TO SRB”, “PE200216 SRB UPGRADE WAVE TRAP ON CKT87 TO CHORIN”, “PE200217 CEDAR BAYOU PLANT UPGRADE RELAYING AND CARRIER ON CKT84 TO HOPSON”, “PE200218 HOPSON UPGRADE RELAYING AND CARRIER ON CKT84 TO CEDAR BAYOU”, and “PE200219 DECKER UPGRADE CKT83 TO CEDAR BAYOU TO 498MVA.” Please provide the following information regarding these projects:

- a. Please report the final total project cost by FERC Account for these projects.
- b. The need for these projects.
- c. How these projects were selected among possible alternatives.
- d. The initial budget for these projects.
- e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.

Staff 7-114 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:

- 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.

Staff 7-115 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.

Staff 7-116 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.

Staff 7-117 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.

Staff 7-118 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.

Staff 7-119 Please refer to Schedule M-3.1 under the project named “PE220057 WEST COLUMBIA - UPGRADE 138KV YARD FAULT DUTY TO 63KA.” Please provide the following information regarding this project:

- a. Please report the final total project cost by FERC Account for this project.
- b. The need for this project.
- c. How this project was selected among possible alternatives.
- d. The initial budget for this project.
- e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.

Staff 7-120 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.

Staff 7-121 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 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.

Staff 7-122 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:

- 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.

Staff 7-123 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 FEEDER”, and “PE220085 CROCKETT - 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.

Staff 7-124 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.
- e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.

Staff 7-125 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.

Staff 7-126 Please refer to Schedule M-3.1 under the projects named “PE170066 HOFMAN - REPLACE LINE PANEL ON CKT #02 TO BASF & REPL RTU (AP)”, “PE170067 BASF - REPLACE LINE PANEL & JUMPERS ON CKT #02 TO HOFMAN & REPL RT (AP)”, and “PE180214 LAKE HOUSTON - UPGRADE CKT #02 LOOP BUS.” Please provide the following information regarding these projects:

- a. Please report the final total project cost by FERC Account for these projects.
- b. The need for these projects.
- c. How these projects were selected among possible alternatives.
- d. The initial budget for these projects.
- e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.

Staff 7-127 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.
- 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.

Staff 7-128 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.

Staff 7-129 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.

Staff 7-130 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.

Staff 7-131 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.

Staff 7-132 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. 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.

Staff 7-133 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.

Staff 7-134 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.

Staff 7-135 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.

Staff 7-136 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 (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.
- 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.

Staff 7-137 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.
- 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.

Staff 7-138 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.

Staff 7-139 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.

Staff 7-140 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.

Staff 7-141 Please refer to Schedule M-3.1 under the projects named “PE220065 JONTE - BUILD NEW 138KV BKR & 1/2 SWITCHYARD”, “PE220066 NORTH BELT - UPGRADE LINE RELAYING ON CKT TO JONTE”, “PE220067 HARDY - 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.

Staff 7-142 Please refer to Schedule M-3.1 under the projects named “PE200387 PHR - UPGRADE RELAYING ON CKT 02 & CKT 03 TO ATTWATER (TNMP) (PHASE 1)”, “PE210175 PHR - UPGRADE 138KV CKT 02 TO TOPAZ (TNMP)”, “PE210176 PHR - UPGRADE 138KV CKT 03 TO TOPAZ (TNMP)”, and “PE210179 PHR - UPGRADE RELAYING ON CKT 02 & CKT 03 TO ATTWATER (TNMP) (PHASE 2).” Please provide the following information regarding these projects:

- 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.

Staff 7-143 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.

Staff 7-144 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.

Staff 7-145 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”, 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.

Staff 7-146 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.

Staff 7-147 Please refer to Schedule M-3.1 under the projects named “PE200047 SOUTH CHANNEL - UPGRADE LINE RELAYING”, “PE200048 PAIR - UPGRADE LINE RELAYING / INSTALL FIBER”, and “PE200049 AIRPRO - UPGRADE LINE RELAYING.” Please provide the following information regarding these projects:

- a. Please report the final total project cost by FERC Account for these projects.
- b. The need for these projects.
- c. How these projects were selected among possible alternatives.
- d. The initial budget for these projects.

- e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.

Staff 7-148 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.

Staff 7-149 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.
- 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.

Staff 7-150 Please refer to Schedule M-3.1 under the project named “PE190063 PARKWAY - INSTALL 7TH & 8TH 12KV FEEDERS (BP).” Please provide the following information regarding this project:

- 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.

Staff 7-151 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.
- 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.

Staff 7-152 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.
- 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.

Staff 7-153 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.

Staff 7-154 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.

Staff 7-155 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.
- 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.

Staff 7-156 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 Houston resolved them.

Staff 7-157 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.

Staff 7-158 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.

Staff 7-159 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.

Staff 7-160 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.

Staff 7-161 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.

Staff 7-162 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.

Staff 7-163 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.

Staff 7-164 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.

Staff 7-165 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.

Staff 7-166 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.

Staff 7-167 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.
- 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.

- Staff 7-168** 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:
- Please report the final total project cost by FERC Account for this project.
 - The need for this project.
 - How this project was selected among possible alternatives.
 - The initial budget for this project.
 - Any issues that came up in constructing this project and how CenterPoint Houston resolved them.
- Staff 7-169** 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:
- Please report the final total project cost by FERC Account for these projects.
 - The need for these projects.
 - How these projects were selected among possible alternatives.
 - The initial budget for these projects.
 - Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.
- Staff 7-170** 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:
- Please report the final total project cost by FERC Account for these projects.
 - The need for these projects.
 - How these projects were selected among possible alternatives.
 - The initial budget for these projects.
 - Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.
- Staff 7-171** 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:
- Please report the final total project cost by FERC Account for these projects.
 - The need for these projects.
 - How these projects were selected among possible alternatives.
 - The initial budget for these projects.

- e. Any issues that came up in constructing these projects and how CenterPoint Houston resolved them.

Staff 7-172 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.
- e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.

Staff 7-173 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.
- 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.

Staff 7-174 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.
- e. Any issues that came up in constructing this project and how CenterPoint Houston resolved them.

Staff 7-175 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:

- 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.

Staff 7-176 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.
- 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.

Staff 7-177 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.
- 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.

Staff 7-178 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:

- 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.

Staff 7-179 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.

Staff 7-180 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.