

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**  
Washington, D.C. 20549

**Form 10-K**

(Mark One)

ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the fiscal year ended December 31, 2022

or

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from \_\_\_\_\_ to \_\_\_\_\_

Commission File Number 333-177662-01

**CenterPoint Energy Transition Bond Company IV, LLC**  
(Exact name of registrant as specified in its charter)

**CenterPoint Energy Houston Electric, LLC**  
(Exact name of depositor and sponsor as specified in its charter)

Delaware  
(State or other jurisdiction of  
incorporation or organization)

45-3687039  
(I.R.S. Employer  
Identification Number)

1111 Louisiana, Suite 4664B  
Houston, Texas 77002  
(Address and zip code of principal executive offices)

(713) 207-5776  
(Registrant's telephone number, including area code)

Securities registered pursuant to Section 12(b) of the Act: None

Securities registered pursuant to Section 12(g) of the Act: None

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes  No

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act. Yes  No

Indicate by check mark whether the registrant: (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes  No

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§ 232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes  No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company" and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer

Accelerated filer

Non-accelerated filer

Smaller reporting company

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant has filed a report on and attestation to its management's assessment of the effectiveness of its internal control over financial reporting under Section 404(b) of the Sarbanes-Oxley Act (15 U.S.C. 7262(b)) by the registered public accounting firm that prepared or issued its audit report.

If securities are registered pursuant to Section 12(b) of the Act, indicate by check mark whether the financial statements of the registrant included in the filing reflect the correction of an error to previously issued financial statements.

Indicate by check mark whether any of those error corrections are restatements that required a recovery analysis of incentive-based compensation received by any of the registrant's executive officers during the relevant recovery period pursuant to §240.10D-1(b).

Indicate by check mark whether the registrant is a shell company (as defined by Rule 12b-2 of the Act). Yes  No

The aggregate market value of the member's equity held by non-affiliates of the registrant as of June 30, 2022: None Documents incorporated by reference: A portion of the proxy statement relating to the 2023 Annual Meeting of Shareholders of CenterPoint Energy, Inc. is incorporated by reference in Item 11 of Part III of this report.

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## PART I

### Item 1. Business.

Omitted pursuant to General Instruction J of Form 10-K.

### Item 1A. Risk Factors.

Omitted pursuant to General Instruction J of Form 10-K.

### Item 1B. Unresolved Staff Comments.

None.

### Item 2. Properties.

Omitted pursuant to General Instruction J of Form 10-K.

### Item 3. Legal Proceedings.

Omitted pursuant to General Instruction J of Form 10-K.

### Item 4. Mine Safety Disclosures.

Not applicable.

## PART II

### Item 5. Market for Registrant's Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities.

Omitted pursuant to General Instruction J of Form 10-K.

### Item 6. [Reserved]

### Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations.

Omitted pursuant to General Instruction J of Form 10-K.

### Item 7A. Quantitative and Qualitative Disclosures about Market Risk.

Omitted pursuant to General Instruction J of Form 10-K.

### Item 8. Financial Statements and Supplementary Data.

Omitted pursuant to General Instruction J of Form 10-K.

### Item 9. Changes in and Disagreements with Accountants on Accounting and Financial Disclosures.

Omitted pursuant to General Instruction J of Form 10-K.

### Item 9A. Controls and Procedures.

Omitted pursuant to General Instruction J of Form 10-K.

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**Item 9B. Other Information.**

None.

**Item 9C. Disclosure Regarding Foreign Jurisdictions that Prevent Inspections.**

None.

## PART III

### Item 10. Directors, Executive Officers and Corporate Governance.

As of the date of this Annual Report on Form 10-K, CenterPoint Energy Transition Bond Company IV, LLC (the “Issuing Entity”) has five managers. For as long as necessary under applicable Rating Agency criteria (as such term is defined in the Issuing Entity’s Amended and Restated Limited Liability Company Agreement (the “LLC Agreement”)) in order to maintain a rating of “AAA” (or the equivalent thereof) for the Issuing Entity’s Series 2012 Senior Secured Transition Bonds, the Issuing Entity shall have at least two individuals who are Independent Managers (as such term is defined in the LLC Agreement). In the event that two Independent Managers are not necessary under applicable Rating Agency criteria in order to maintain such a rating, the Issuing Entity shall have at least one individual who is an Independent Manager. Currently, Messrs. Angelo and O’Connor serve as the Independent Managers of the Issuing Entity.

Independent Manager is defined in the LLC Agreement as a manager of the Issuing Entity who is not, and within the previous five years was not (except solely by virtue of such Person’s serving as, or affiliation with any other Person serving as, a special member or an independent director or manager, as applicable, of CenterPoint Energy Houston Electric, LLC (“Houston Electric”), the Issuing Entity or any bankruptcy remote special purpose entity that is an Affiliate of Houston Electric or the Issuing Entity), (i) a stockholder, member, partner, director, officer, employee, Affiliate, customer, supplier, creditor or independent contractor of, or any Person that has received any benefit in any form whatsoever from (other than in such Manager’s capacity as a ratepayer or customer of Houston Electric in the ordinary course of business), or any Person that has provided any service in any form whatsoever to, or any major creditor (or any Affiliate of any major creditor) of, the Issuing Entity, Houston Electric or any of their Affiliates, or (ii) any Person owning beneficially, directly or indirectly, any outstanding shares of common stock, any limited liability company interests or any partnership interests, as applicable, of the Issuing Entity, Houston Electric, or any of their Affiliates, or of any major creditor (or any Affiliate of any major creditor) of any of the foregoing, or a stockholder, member, partner, director, officer, employee, Affiliate, customer, supplier, creditor or independent contractor of, or any Person that has received any benefit in any form whatever from (other than in such Person’s capacity as a ratepayer or customer of Houston Electric in the ordinary course of business), or any Person that has provided any service in any form whatever to, such beneficial owner or any of such beneficial owner’s Affiliates, or (iii) a member of the immediate family of any person described above; provided that the indirect or beneficial ownership of stock through a mutual fund or similar diversified investment vehicle with respect to which the owner does not have discretion or control over the investments held by such diversified investment vehicle shall not preclude such owner from being an Independent Manager. For purposes of this definition, “major creditor” shall mean a natural person or business entity to which the Issuing Entity, Houston Electric or any of their Affiliates has outstanding indebtedness for borrowed money or credit on open account in a sum sufficiently large as would reasonably be expected to influence the judgment of the proposed Independent Manager adversely to the interests of the Issuing Entity when the interests of that Person are adverse to those of the Issuing Entity. Capitalized terms used in this paragraph have the meanings assigned to them in the LLC Agreement.

The following are the managers of the Issuing Entity as of the date of this Annual Report on Form 10-K:

Name	Age	Background
Jason P. Wells	45	Manager and President of the Issuing Entity since September 2020. President, Chief Operating Officer and Chief Financial Officer of Houston Electric and CenterPoint Energy, Inc. (“CenterPoint Energy”) since January 2023. Executive Vice President and Chief Financial Officer of Houston Electric and CenterPoint Energy from September 2020 to December 2022. Executive Vice President and Chief Financial Officer of PG&E Corporation from June 2019 to September 2020. Senior Vice President and Chief Financial Officer of PG&E Corporation from January 2016 to June 2019. Vice President, Business Finance of Pacific Gas and Electric Company from August 2013 to January 2016. PG&E Corporation filed Chapter 11 bankruptcy on January 29, 2019 and successfully emerged from bankruptcy on July 1, 2020.
Kara Gostenhofer Ryan	39	Manager and Vice President and Chief Accounting Officer of the Issuing Entity since August 2022. Vice President and Chief Accounting Officer of Houston Electric and CenterPoint Energy since August 2022. Vice President and Controller of Houston Electric and CenterPoint Energy from January 2022 to August 2022. Director and Assistant Controller of CenterPoint Energy from November 2017 to January 2022. Manager, Accounting Projects of CenterPoint Energy from January 2016 to November 2017. Manager, Regulatory Reporting of CenterPoint Energy from May 2015 to January 2016. Manager, Accounting Research of CenterPoint Energy from February 2013 to May 2015.
Jacqueline M. Richert	39	Manager and Vice President and Treasurer of the Issuing Entity since January 2022. Vice President, Investor Relations and Treasurer of Houston Electric and CenterPoint Energy since January 2022. Director, Investor Relations of CenterPoint Energy from March 2021 to January 2022. Ms. Richert has served in various roles of increase responsibility at Enterprise Products Partners from 2008 to 2021, including as Senior Director of Investor Relations from 2019 to 2021.
Bernard J. Angelo	53	Manager of the Issuing Entity. Senior Vice President of Global Securitization Services, LLC since April 1997. Director or manager, as the case may be, of Ameriquest Funding II Reo Subsidiary LLC (November 2000—March 2009); Ameriquest Mortgage Securities Inc. (January 2000—March 2009); Argent Securities Inc. (May 2002—March 2009); Raven Funding LLC (since June 1999); ATAX TEBS I, LLC (since September 2010); ATAX TEBS II, LLC (since March 2014); ATAX TEBS III, LLC (since July 2015); ATAX TEBS IV, LLC (since July 2018); Bay View Deposit Corporation (November 2004—December 2006); BCF Funding II LLC (February 2005—April 2013); Carmax Auto Funding LLC (since August 2003); Cartus Corporation (since 2002); CEC Funding LLC (February 2005—April 2013); Daimler Trust Leasing Conduit LLC (since January 2009); Ford Credit Auto Receivables Two LLC (since January 2001); Hamilton Floating Rate Fund I, LLC (October 2005—January 2011); Hexagon ABS Corp. (February 2005—November 2006); J.G. Wentworth Receivables III LLC (since September 1997); PNC Mortgage Capital LLC, formerly known as National City Mortgage Capital LLC (since August 2005); PG&E Energy Recovery Funding LLC (October 2004—December 2012); Prosper Funding LLC (since March 2012); RS TEBS, Inc. (May 2010—May 2015); SunTrust Auto Receivables, LLC (May 2007—November 2010); Venture Lending & Leasing IV, LLC (October 2004—June 2009); Venture Lending & Leasing V, LLC (June 2006—May 2009); World Omni Auto Receivables LLC (since March 2003); World Omni Auto Leasing LLC (since June 2008); ACREFI Holdings J-I, LLC (since December 2009); ACREFI Holdings J-II, LLC (since December 2009); Affirm ABS, LLC (since July 2020); Duke Energy Florida Project Finance LLC (since January 2016); Fifth Third Holdings Funding, LLC (since June 2007); Glenbridge Property Holding Corp. (since December 2018); Oaks Funding LLC (since January 2015); Oaks Funding II LLC (since April 2016); Duke Energy Carolinas NC Storm Funding LLC (since August 2021); Duke Energy Progress NC Storm Funding LLC (since August 2021); NOM-PEFF-I, LLC (since August 2021); FINN Funding LLC (since March 2022); LQC SP1 LLC (since April 2022); and Kansas Gas Service Securitization I, L.L.C. (since November 2022).
Timothy O’Connor	51	Manager of the Issuing Entity. Senior Vice President of Global Securitization Services, LLC since April 2002. Director of California Petroleum Corporation from September 2009 to June 2016.

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**Code of Conduct**

The Issuing Entity is a wholly-owned subsidiary of Houston Electric which in turn is an indirect subsidiary of CenterPoint Energy. CenterPoint Energy has adopted a code of ethics for its Chief Executive Officer and Senior Financial Officers, which group consists of its Chief Financial Officer, Chief Accounting Officer, Treasurer and Assistant Controller. CenterPoint Energy has also adopted an Ethics and Compliance Code applicable to all directors, officers and employees, including those of its subsidiaries. CenterPoint Energy maintains a corporate governance page on its website which includes key information about its corporate governance initiatives, including its Ethics and Compliance Code and its Code of Ethics for Chief Financial Officer and Senior Financial Officers. The corporate governance page can be found at <https://investors.centerpointenergy.com/governance>.

**Item 11. Executive Compensation.**

Other than the annual independent managers fee of \$3,500 paid to Global Securitization Services, LLC, the Issuing Entity does not pay any compensation to its executive officers or managers.

The information required by this item with respect to Houston Electric is incorporated herein by reference to the material under *Compensation Discussion and Analysis* of the definitive proxy statement of CenterPoint Energy for its 2023 annual meeting of shareholders filed with the Securities and Exchange Commission on March 10, 2023.

**Item 12. Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters.**

None.

**Item 13. Certain Relationships and Related Transactions, and Director Independence.**

None.

**Item 14. Principal Accountant Fees and Services.**

Omitted pursuant to General Instruction J of Form 10-K.

PART IV

Item 15. Exhibits and Financial Statement Schedules.

(a) Documents filed as a part of this report:

1. Financial Statements.  
Not applicable.
2. Financial Statement Schedules.  
Not applicable.
3. Exhibits required by Item 601 of Regulation S-K (exhibits marked with an asterisk are filed herewith and the others are incorporated by reference):

- 3.1 [Certificate of Formation of CenterPoint Energy Transition Bond Company IV, LLC \(the "Issuing Entity"\) filed with the Delaware Secretary of State on October 14, 2011.](#)
- 3.2 [Amended and Restated Limited Liability Company Agreement of the Issuing Entity dated as of January 19, 2012.](#)
- 4.1 [Indenture dated as of January 19, 2012 between the Issuing Entity and Deutsche Bank Trust Company Americas, as trustee, providing for the issuance of Senior Secured Transition Bonds.](#)
- 4.2 [First Supplemental Indenture dated as of January 19, 2012 between the Issuing Entity and Deutsche Bank Trust Company Americas, as trustee, providing for the issuance of the Issuing Entity's 2012 Senior Secured Transition Bonds.](#)
- 4.3 [Form of 2012 Senior Secured Transition Bond \(included in Exhibit 4.2\).](#)
- \*31.1 [Certification.](#)
- \*33.1 [Report on assessment of compliance with servicing criteria for asset-backed securities for CenterPoint Energy Houston Electric, LLC.](#)
- \*33.2 [Assertion of compliance with applicable servicing criteria for Deutsche Bank Trust Company Americas.](#)
- \*34.1 [Attestation report on assessment of compliance with servicing criteria for asset-backed securities of Deloitte & Touche LLP on behalf of CenterPoint Energy Houston Electric, LLC.](#)
- \*34.2 [Attestation report on assessment of compliance with servicing criteria for asset-backed securities of Ernst & Young LLP on behalf of Deutsche Bank Trust Company Americas.](#)
- \*35.1 [Servicer compliance statement.](#)
- 99.1 [Transition Property Sale Agreement dated as of January 19, 2012 between the Issuing Entity and CenterPoint Energy Houston Electric, LLC, as seller.](#)
- 99.2 [Transition Property Servicing Agreement dated as of January 19, 2012 between the Issuing Entity and CenterPoint Energy Houston Electric, LLC, as servicer.](#)
- 99.3 [Administration Agreement dated as of January 19, 2012 between the Issuing Entity and CenterPoint Energy Houston Electric, LLC, as administrator.](#)



(b) Exhibits required by this Form and Item 601 of Regulation S-K (exhibits marked with an asterisk are filed herewith):

- 3.1 [Certificate of Formation of the Issuing Entity filed with the Delaware Secretary of State on October 14, 2011](#) (incorporated by reference to exhibit 3.3 included as an exhibit to the Issuing Entity's Registration Statement on Form S-3 (Reg. No. 333-177662-01) dated November 2, 2011).
- 3.2 [Amended and Restated Limited Liability Company Agreement of the Issuing Entity dated as of January 19, 2012](#) (incorporated by reference to exhibit 3.1 included as an exhibit to the Issuing Entity's Current Report on Form 8-K dated January 11, 2012).
- 4.1 [Indenture dated as of January 19, 2012 between the Issuing Entity and Deutsche Bank Trust Company Americas, as trustee, providing for the issuance of Senior Secured Transition Bonds](#) (incorporated by reference to exhibit 4.1 included as an exhibit to the Issuing Entity's Current Report on Form 8-K dated January 11, 2012).
- 4.2 [First Supplemental Indenture dated as of January 19, 2012 between the Issuing Entity and Deutsche Bank Trust Company Americas, as trustee, providing for the issuance of the Issuing Entity's 2012 Senior Secured Transition Bonds](#) (incorporated by reference to exhibit 4.2 included as an exhibit to the Issuing Entity's Current Report on Form 8-K dated January 11, 2012).
- 4.3 [Form of 2012 Senior Secured Transition Bond \(included as Exhibit A to the First Supplement Indenture filed as Exhibit 4.2\)](#) (incorporated by reference to exhibit 4.2 included as an exhibit to the Issuing Entity's Current Report on Form 8-K dated January 11, 2012).
- \*31.1 [Certification](#).
- \*33.1 [Report on assessment of compliance with servicing criteria for asset-backed securities for CenterPoint Energy Houston Electric, LLC](#).
- \*33.2 [Assertion of compliance with applicable servicing criteria for Deutsche Bank Trust Company Americas](#).
- \*34.1 [Attestation report on assessment of compliance with servicing criteria for asset-backed securities of Deloitte & Touche LLP on behalf of CenterPoint Energy Houston Electric, LLC](#).
- \*34.2 [Attestation report on assessment of compliance with servicing criteria for asset-backed securities of Ernst & Young LLP on behalf of Deutsche Bank Trust Company Americas](#).
- \*35.1 [Servicer compliance statement](#).
- 99.1 [Transition Property Sale Agreement dated as of January 19, 2012 between the Issuing Entity and CenterPoint Energy Houston Electric, LLC, as seller](#) (incorporated by reference to exhibit 10.1 included as an exhibit to the Issuing Entity's Current Report on Form 8-K dated January 11, 2012).
- 99.2 [Transition Property Servicing Agreement dated as of January 19, 2012 between the Issuing Entity and CenterPoint Energy Houston Electric, LLC, as servicer](#) (incorporated by reference to exhibit 10.2 included as an exhibit to the Issuing Entity's Current Report on Form 8-K dated January 11, 2012).
- 99.3 [Administration Agreement dated as of January 19, 2012 between the Issuing Entity and CenterPoint Energy Houston Electric, LLC, as administrator](#) (incorporated by reference to exhibit 10.3 included as an exhibit to the Issuing Entity's Current Report on Form 8-K dated January 11, 2012).

(c) Not applicable.

**Item 16. Form 10-K Summary.**

None.

**Item 1112(b). Significant Obligors of Pool Assets.**

None.

**Item 1114(b)(2). Credit Enhancement and Other Support, Except for Certain Derivatives Instruments.**

None.

**Item 1115(b). Certain Derivatives Instruments.**

None.

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**Item 1117. Legal Proceedings.**

None.

**Item 1119. Affiliations and Certain Relationships and Related Transactions.**

The Issuing Entity is a wholly-owned subsidiary of CenterPoint Energy Houston Electric, LLC.

**Item 1122. Compliance with Applicable Servicing Criteria.**

See Exhibits 33.1, 33.2, 34.1 and 34.2 under Item 15.

**Item 1123. Servicer Compliance Statement.**

See Exhibit 35.1 under Item 15.

**SIGNATURES**

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Houston, the State of Texas, on the 28th day of March, 2023.

CENTERPOINT ENERGY TRANSITION BOND  
COMPANY IV, LLC, as Issuing Entity

By: CENTERPOINT ENERGY HOUSTON ELECTRIC,  
LLC, as servicer

By: /s/ Jacqueline M. Richert \_\_\_\_\_

Name: Jacqueline M. Richert

Title: Vice President and Treasurer

(Senior officer in charge of the servicing  
function of the servicer)

**Supplemental Information to be Furnished With Reports Filed Pursuant to Section 15(d) of the Act by Registrants Which Have Not Registered Securities Pursuant to Section 12 of the Act.**

No such annual report, proxy statement, form of proxy or other proxy soliciting material has been sent to the Registrant's security holders. The Registrant will not be sending an annual report or any proxy material to its security holders subsequent to the filing of this Annual Report on Form 10-K.

**CERTIFICATION**

I, Jacqueline M. Richert, certify that:

1. I have reviewed this report on Form 10-K and all reports on Form 10-D required to be filed in respect of the period covered by this report on Form 10-K of CenterPoint Energy Transition Bond Company IV, LLC (the “Exchange Act periodic reports”);
2. Based on my knowledge, the Exchange Act periodic reports, taken as a whole, do not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, all of the distribution, servicing and other information required to be provided under Form 10-D for the period covered by this report is included in the Exchange Act periodic reports;
4. I am responsible for reviewing the activities performed by the Servicer, and based on my knowledge and the compliance review conducted in preparing the servicer compliance statement required in this report under Item 1123 of Regulation AB, and except as disclosed in the Exchange Act periodic reports, the servicer has fulfilled its obligations under the Transition Property Servicing Agreement dated as of January 19, 2012 between CenterPoint Energy Transition Bond Company IV, LLC, as the Issuing Entity, and the Servicer, in all material respects; and
5. All of the reports on assessment of compliance with servicing criteria for asset-backed securities and their related attestation reports on assessment of compliance with servicing criteria for asset-backed securities required to be included in this report in accordance with Item 1122 of Regulation AB and Exchange Act Rules 13a-18 and 15d-18 have been included as an exhibit to this report, except as otherwise disclosed in this report. Any material instances of noncompliance described in such reports have been disclosed in this report on Form 10-K.

In giving the certifications above, I have reasonably relied on information provided to me by the following unaffiliated parties: Deutsche Bank Trust Company Americas, as Indenture Trustee.

Date: March 28, 2023

/s/ Jacqueline M. Richert

Name: Jacqueline M. Richert  
Title: Vice President and Treasurer  
(Senior Officer in Charge of Servicing Function)  
CenterPoint Energy Houston Electric, LLC, as  
servicer

**REPORT ON ASSESSMENT OF COMPLIANCE WITH SERVICING CRITERIA FOR ASSET-BACKED SECURITIES FOR  
CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC**

The undersigned hereby certifies that she is the duly elected and acting Vice President, Investor Relations and Treasurer of CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC, as servicer (the “Servicer” or “Houston Electric”) under the Transition Property Servicing Agreement dated as of January 19, 2012 (the “Servicing Agreement”) between the Servicer and CENTERPOINT ENERGY TRANSITION BOND COMPANY IV, LLC (the “Issuer”) and further that:

1. The undersigned is responsible for assessing the Servicer’s compliance with the servicing criteria set forth in Item 1122(d) of Regulation AB (the “Servicing Criteria”).

2. With respect to each of the Servicing Criteria, the undersigned has made the following assessment of the Servicing Criteria in accordance with Item 1122(d) of Regulation AB, with such discussion regarding the performance of such Servicing Criteria during the fiscal year ended December 31, 2022 and covered by the Issuer’s annual report on Form 10-K (such fiscal year, the “Assessment Period”):

<b>Regulation AB Reference</b>	<b>Servicing Criteria</b>	<b>Applicable Servicing Criteria</b>
<b>General Servicing Considerations</b>		
1122(d)(1)(i)	Policies and procedures are instituted to monitor any performance or other triggers and events of default in accordance with the transaction agreements.	Applicable; assessment below.
1122(d)(1)(ii)	If any material servicing activities are outsourced to third parties, policies and procedures are instituted to monitor the third party’s performance and compliance with such servicing activities.	Not applicable; no servicing activities were outsourced.
1122(d)(1)(iii)	Any requirements in the transaction agreements to maintain a back-up servicer for pool assets are maintained.	Not applicable; documents do not provide for a back-up servicer.
1122(d)(1)(iv)	A fidelity bond and errors and omissions policy is in effect on the party participating in the servicing function throughout the reporting period in the amount of coverage required by and otherwise in accordance with the terms of the transaction agreements.	Not applicable; PUCT rules impose credit standards on retail electric providers who handle customer collections and govern performance requirements of utilities.
1122(d)(1)(v)	Aggregation of information, as applicable, is mathematically accurate and the information conveyed accurately reflects the information.	Applicable; assessment below.
<b>Cash Collection and Administration</b>		
1122(d)(2)(i)	Payments on pool assets are deposited into the appropriate custodial bank accounts and related bank clearing accounts no more than two business days of receipt, or such other number of days specified in the transaction agreements.	Applicable; assessment below.
1122(d)(2)(ii)	Disbursements made via wire transfer on behalf of an obligor or to an investor are made only by authorized personnel.	Not applicable; no disbursements on behalf of obligors or to investors are made by Servicer by means of wire transfer.
1122(d)(2)(iii)	Advances of funds or guarantees regarding collections, cash flows or distributions, and any interest or other fees charged for such advances, are made, reviewed and approved as specified in the transaction agreements.	Applicable, but no current assessment required; no advances by the Servicer are permitted under the transaction agreements.

Regulation AB Reference	Servicing Criteria	Applicable Servicing Criteria
1122(d)(2)(iv)	The related accounts for the transaction, such as cash reserve accounts or accounts established as a form of overcollateralization, are separately maintained (e.g., with respect to commingling of cash) as set forth in the transaction agreements.	Applicable, but no current assessment is required since transaction accounts are maintained by and in the name of the Trustee.
1122(d)(2)(v)	Each custodial account is maintained at a federally insured depository institution as set forth in the transaction agreements. For purposes of this criterion, “federally insured depository institution” with respect to a foreign financial institution means a foreign financial institution that meets the requirements of Rule 13k-1(b)(1) of the Exchange Act.	Applicable, but no current assessment required; all “custodial accounts” are maintained by the Trustee.
1122(d)(2)(vi)	Unissued checks are safeguarded so as to prevent unauthorized access.	Not applicable; all transfers made by wire transfer.
1122(d)(2)(vii)	Reconciliations are prepared on a monthly basis for all asset-backed securities related bank accounts, including custodial accounts and related bank clearing accounts. These reconciliations are (A) mathematically accurate; (B) prepared within 30 calendar days after the bank statement cutoff date, or such other number of days specified in the transaction agreements; (C) reviewed and approved by someone other than the person who prepared the reconciliation; and (D) contain explanations for reconciling items. These reconciling items are resolved within 90 calendar days of their original identification, or such other number of days specified in the transaction agreements.	Applicable; assessment below. Reconciliations as to REP accounts are limited to confirming that the funds in any REP’s account known to Servicer are at least in the amount required by Servicer.
<b>Investor Remittances and Reporting</b>		
1122(d)(3)(i)	Reports to investors, including those to be filed with the Commission, are maintained in accordance with the transaction agreements and applicable Commission requirements. Specifically, such reports (A) are prepared in accordance with timeframes and other terms set forth in the transaction agreements; (B) provide information calculated in accordance with the terms specified in the transaction agreements; (C) are filed with the Commission as required by its rules and regulations; and (D) agree with investors’ or the trustee’s records as to the total unpaid principal balance and number of pool assets serviced by the Servicer.	Applicable; assessment below.
1122(d)(3)(ii)	Amounts due to investors are allocated and remitted in accordance with timeframes, distribution priority and other terms set forth in the transaction agreements.	Not applicable; trustee allocates among, and remits to, investors.

Regulation AB Reference	Servicing Criteria	Applicable Servicing Criteria
1122(d)(3)(iii)	Disbursements made to an investor are posted within two business days to the Servicer's investor records, or such other number of days specified in the transaction agreements.	Not applicable; disbursements are made by Trustee and Trustee maintains investor records; for the purposes of this criteria, Servicer's investor records are the trustee's records of the investors.
1122(d)(3)(iv)	Amounts remitted to investors per the investor reports agree with cancelled checks, or other form of payment, or custodial bank statements.	Applicable; assessment below, based on Semi-Annual Servicer's Certificate.
<b>Pool Asset Administration</b>		
1122(d)(4)(i)	Collateral or security on pool assets is maintained as required by the transaction agreements or related pool asset documents.	Applicable; assessment below.
1122(d)(4)(ii)	Pool assets and related documents are safeguarded as required by the transaction agreements.	Applicable; assessment below.
1122(d)(4)(iii)	Any additions, removals or substitutions to the asset pool are made, reviewed and approved in accordance with any conditions or requirements in the transaction agreements.	Not applicable; no removals or substitutions of transition property are contemplated or allowed under the transaction documents.
1122(d)(4)(iv)	Payments on pool assets, including any payoffs, made in accordance with the related pool asset documents are posted to the Servicer's obligor records maintained no more than two business days after receipt, or such other number of days specified in the transaction agreements, and allocated to principal, interest or other items (e.g., escrow) in accordance with the related pool asset documents.	Applicable; assessment below. Payments received from REPs are posted to Servicer's records and funds transferred to Trustee.
1122(d)(4)(v)	The Servicer's records regarding the pool assets agree with the Servicer's records with respect to an obligor's unpaid principal balance.	Not applicable; because underlying obligation (transition charge) is not an interest bearing instrument
1122(d)(4)(vi)	Changes with respect to the terms or status of an obligor's pool asset (e.g., loan modifications or re-agings) are made, reviewed and approved by authorized personnel in accordance with the transaction agreements and related pool asset documents.	Applicable; assessment below. The only changes relate to true-up under the financing order.
1122(d)(4)(vii)	Loss mitigation or recovery actions (e.g., forbearance plans, modifications and deeds in lieu of foreclosure, foreclosures and repossessions, as applicable) are initiated, conducted and concluded in accordance with the timeframes or other requirements established by the transaction agreements.	Applicable, to the extent required by the transaction agreements; assessment below.
1122(d)(4)(viii)	Records documenting collection efforts are maintained during the period pool asset is delinquent in accordance with the transaction agreements. Such records are maintained on at least a monthly basis, or such other period specified in the transaction agreements, and describe the entity's activities in monitoring delinquent pool assets including, for example, phone calls, letters and payment rescheduling plans in cases where delinquency is deemed temporary (e.g., illness or unemployment).	Applicable, but does not require assessment since no explicit documentation requirements with respect to delinquent accounts are imposed under the transactional documents due to availability of "true-up" mechanism.

Regulation AB Reference	Servicing Criteria	Applicable Servicing Criteria
1122(d)(4)(ix)	Adjustments to interest rates or rates of return for pool assets with variable rates are computed based on the related pool asset documents.	Not applicable; transition charges are not interest bearing instruments.
1122(d)(4)(x)	Regarding any funds held in trust for an obligor (such as escrow accounts): (A) such funds are analyzed, in accordance with the obligor's pool asset documents, on at least an annual basis, or such other period specified in the transaction agreements; (B) interest on such funds is paid, or credited, to obligors in accordance with applicable pool asset documents and state laws; and (C) such funds are returned to the obligor within 30 calendar days of full repayment of the related pool assets, or such other number of days specified in the transaction agreements.	Applicable; assessment below.
1122(d)(4)(xi)	Payments made on behalf of an obligor (such as tax or insurance payments) are made on or before the related penalty or expiration dates, as indicated on the appropriate bills or notices for such payments, provided that such support has been received by the Servicer at least 30 calendar days prior to these dates, or such other number of days specified in the transaction agreements.	Not applicable; Servicer does not make payments on behalf of obligors.
1122(d)(4)(xii)	Any late payment penalties in connection with any payment to be made on behalf of an obligor are paid from the Servicer's funds and not charged to the obligor, unless the late payment was due to the obligor's error or omission.	Not applicable; Servicer cannot make advances of its own funds on behalf of customers under the transaction documents.
1122(d)(4)(xiii)	Disbursements made on behalf of an obligor are posted within two business days to the obligor's records maintained by the Servicer, or such other number of days specified in the transaction agreements.	Not applicable; Servicer cannot make advances of its own funds on behalf of customers to pay principal or interest on the bonds.
1122(d)(4)(xiv)	Delinquencies, charge-offs and uncollectible accounts are recognized and recorded in accordance with the transaction agreements.	Applicable; assessment below.
1122(d)(4)(xv)	Any external enhancement or other support, identified in Item 1114(a)(1) through (3) or Item 1115 of Regulation AB, is maintained as set forth in the transaction agreements.	Not applicable; no external enhancement is required under the transaction documents.

3. To the best of the undersigned's knowledge, based on such review, the Servicer is in compliance in all material respects with the applicable servicing criteria set forth above as of and for the period ending the end of the fiscal year ended December 31, 2022 and covered by the Issuer's annual report on Form 10-K.

Nature of Default	Status
None.	



4. A registered independent public accounting firm has issued to us an attestation report in accordance with Section 1122(b) of Regulation AB on its assessment of compliance with the applicable servicing criteria as of and for the period ending the end of the fiscal year ended December 31, 2022 and covered by the Issuer's annual report on Form 10-K.

Executed as of this 28th day of March, 2023.

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC

By: /s/ Jacqueline M. Richert

Name: Jacqueline M. Richert

Title: Vice President, Investor Relations and Treasurer

## ASSERTION OF COMPLIANCE WITH APPLICABLE SERVICING CRITERIA

## MANAGEMENT'S ASSERTION OF COMPLIANCE

Management of the Trust & Agency Services department of Deutsche Bank National Trust Company and Deutsche Bank Trust Company Americas (collectively the "Company") is responsible for assessing the servicing criteria set forth in Item 1122(d) of Regulation AB promulgated by the Securities and Exchange Commission to determine which criteria are applicable to the Company in respect of the servicing platform described below. Management has determined that the servicing criteria are applicable in regard to the servicing platform as of and for the period as follows:

Platform: Publicly-issued (*i.e.*, transaction-level reporting required under the Securities Exchange Act of 1934, as amended) and certain privately-issued (*i.e.*, for which transaction-level reporting is required pursuant to contractual obligation) residential mortgage-backed securities, commercial mortgage-backed securities and other asset-backed securities issued on or after January 1, 2006, for which the Company provides trustee, certificate administrator, securities administration, paying agent or custodian services, as defined in the transaction agreements, excluding publicly-issued securities sponsored or issued by any government sponsored entity (the "Platform") (see Appendix A).

Applicable Servicing Criteria: All servicing criteria set forth in Item 1122(d), to the extent required by Item 1122(d) servicing criteria in regards to the activities performed by the Company with respect to the Platform as to any transaction, except for the following criteria: 1122(d)(4)(iv) – 1122(d)(4)(xiv), which management has determined are not applicable to the activities the Company performs with respect to the Platform (the "Applicable Servicing Criteria"). With respect to Applicable Servicing Criteria 1122(d)(1)(ii), 1122(d)(1)(iii), 1122(d)(2)(iii) and 1122(d)(4)(iii) there were no activities performed during the year ended December 31, 2022 with respect to the Platform, because there were no occurrences of events that would require the Company to perform such activities.

Period: Year ended December 31, 2022 (the "Period").

Management's interpretation of Applicable Servicing Criteria: The Company's management has determined that servicing criterion 1122(d)(1)(iii) is applicable only with respect to its continuing obligation to act as, or locate a, successor servicer under the circumstances referred to in certain transaction agreements. It is management's interpretation that the Company has no other active back-up servicing responsibilities in regards to servicing criterion 1122(d)(1)(iii) as of and for the Period. The Company's management has determined that servicing criterion 1122(d)(1)(v) is applicable only to the activities the Company performs related to the mathematically accurate aggregation of information received from servicers and the accurate conveyance of such information within reports to investors. The Company's management has determined that servicing criterion 1122(d)(4)(iii) is applicable to the activities the Company performs with respect to the Platform only as it relates to the Company's obligation to report additions, removals or substitutions on reports to investors in accordance with the transaction agreements.

With respect to the Platform as of and for the Period, the Company's management provides the following assertion of compliance with respect to the Applicable Servicing Criteria:

- The Company's management is responsible for assessing the Company's compliance with the Applicable Servicing Criteria.
- The Company's management has assessed compliance with the Applicable Servicing Criteria. In making this assessment, management used the criteria set forth by the Securities and Exchange Commission in paragraph (d) of Item 1122 of Regulation AB.
- Based on such assessment, the Company has complied, in all material respects with the Applicable Servicing Criteria.

Ernst & Young LLP, an independent registered public accounting firm, has issued an attestation report with respect to management's assertion of compliance with the Applicable Servicing Criteria as of and for the Period.

**DEUTSCHE BANK NATIONAL TRUST COMPANY**

By: /s/ Matt Bowen

Name: Matt Bowen

Its: Managing Director

By: /s/ Christopher Corcoran

Name: Christopher Corcoran

Its: Directors

By: /s/ Ronaldo Reyes

Name: Ronaldo Reyes

Its: Vice President

**DEUTSCHE BANK TRUST COMPANY AMERICAS**

By: /s/ Ronaldo Reyes

Name: Ronaldo Reyes

Its: Vice President

By: /s/ Christopher Corcoran

Name: Christopher Corcoran

Its: Director

Dated: February 28, 2023

**Appendix A****I - Mortgage-backed transactions and securities constituting the platform - MBS deals**

<b>Deal ID</b>	<b>Deal Name</b>	<b>Series</b>
AA0601	AAMES MORTGAGE INVESTMENT TRUST	2006-1
AB0701	Alliance Bancorp Trust	2007-OA1
AC0601	Accredited Mortgage Loan Trust	2006-1
AC0602	Accredited Mortgage Loan Trust	2006-2
AC0701	Accredited Home Loan Trust	2007-1
AG0601	Aegis	2006-1
AH0601	American Home Mortgage Investment Trust	2006-1
AH0602	American Home Mortgage Investment Trust	2006-2
AH0603	American Home Mortgage Investment Trust	2006-3
AH06A1	American Home Mortgage Assets	2006-1
AH06A2	American Home Mortgage Assets Trust	2006-2
AH06A5	American Home Mortgage Assets Trust	2006-5
AH06A6	American Home Mortgage Assets	2006-6
AH0701	American Home Mortgage Investment Trust	2007-1
AH0702	American Home Mortgage Inv Trust	2007-2
AH07A1	American Home Mortgage Assets Trust	2007-1
AH07A2	American Home Mortgage Assets Trust	2007-2
AH07A3	American Home Mortgage Assets Trust	2007-3
AH07A4	American Home Mortgage Assets Trust	2007-4
AH07A5	American Home Mortgage Assets Trust	2007-5
AQ0601	Ameriquest	2006-R1
AQ0602	AMERIQUEST MORTGAGE SECURITIES, INC.	2006-R2
AQ06M3	Ameriquest Mortgage Securities	2006-M3
AR0601	Argent	2006-1
AR0602	Ameriquest / Argent	2006-2
AR0603	ARGENT SECURITIES INC	2006-W3
AR0604	ARGENT SECURITIES INC	2006-W4
AR0605	ARGENT SECURITIES INC	2006-W5
AR06M1	Ameriquest / Argent	2006-M1
AR06M2	Argent Securities Trust	2006-M2
BA15SK	SFAVE	2015-5AVE
BC0601	Securitized Asset Backed Receivables (SABR)	2006-WM3
BC06F4	Securitized Asset Backed Receivables (SABR)	2006-FR4
BC06W4	Securitized Asset Backed Receivables (SABR)	2006-WM4
BC0701	BCAP LLC TRUST	2007-AA1
BC0702	BCAP LLC TRUST	2007-AA2
BC0703	BCAP LLC TRUST	2007-AA3
BC0704	BCAP LLC TRUST	2007-AA4
BC0705	BCAPB LLC TRUST	2007-AB1
BC07B1	Securitized Asset Backed Receivables (SABR)	2007-BR1
BC07B2	Securitized Asset Backed Receivables (SABR)	2007-BR2
BC07B3	Securitized Asset Backed Receivables LLC Trust (SABR)	2007-BR3
BC07B4	Securitized Asset Backed Receivables LLC Trust (SABR)	2007-BR4
BC07B5	Securitized Asset Backed Receivables LLC Trust (SABR)	2007-BR5
BC07C1	Securitized Asset Backed Receivables (SABR)	2007-NC1
BC07C2	Securitized Asset Backed Receivables (SABR)	2007-NC2
BC07E1	EquiFirst Loan Securitization Trust	2007-1
BC07H1	Securitized Asset Backed Receivables (SABR)	2007-HE1
CD07C5	CD 2007-CD5 Mortgage Trust	2007-CD5

CI1423	CGCMT	2014-23
CI1425	CGCMT	2014-GC25
CI14F1	CG-CCRE	2014-FL1
CI14F2	CG-CCRE	2014-FL2
CI1527	CGCMT	2015-GC27
CI1529	CGCMT	2015-GC29
CI1531	CGCMT	2015-GC31
CI1533	CGCMT	2015-GC33
CI1535	Citigroup Commercial Series	2015-GC35
CI15P1	CGCMT	2015-P1
CI1637	CGCMT	2016-GC37
CI16C1	Citigroup Commercial Mortgage Trust	2016-C1
CI16C2	Citigroup Commercial Mortgage Trust	2016-C2
CI16C3	CGCMT	2016-C3
CI16P4	CGCMT	2016-P4
CI16P5	CGCMT	2016-P5
CI16P6	CGCMT	2016-P6
CI17B1	CGCMT	2017-B1
CI17P7	Citigroup Commercial Mortgage Trust	2017-P7
DB06G1	DB / ACE Securities Corp.	2006-GP1
DB07C9	COMM 2007-C9 Mortgage Trust	2007-C9
DB11L2	DBUBS 2011-LC2 Mortgage Trust	2011-LC2
DB12C3	COMM 2012-CCRE3 Mortgage Trust	2012-CCRE3
DB12L4	COMM	2012-LC4
DB12LT	COMM 2012-LTRT Mortgage Trust	2012-LTRT
DB12VT	VNDO	2012-6AVE
DB1311	COMM	2013-CCRE11
DB1313	COMM	2013-LC13
DB133P	COMM 2013-300P Mortgage Trust	2013-300P
DB13BW	BWAY 2013-1515 MORTGAGE TRUST	2013-1515
DB13C6	COMM	2013-CCRE6
DB13C8	COMM 2013-CCRE8 Mortgage Trust	2013-CCRE8
DB13C9	COMM 2013-CCRE9 Mortgage Trust	2013-CCRE9
DB13CC	COMM	2013-CCRE13
DB13SF	COMM	2013-SFS
DB1414	COMM	2014-CCRE14
DB1417	COMM	2014-CCRE17
DB14AR	DBCCRE	2014-ARCP
DB14U2	COMM	2014-UBS2
DB14U4	COMM 2014-UBS4 Mortgage Trust	2014-UBS4
DB1521	COMM	2015-LC21
DB1522	COMM	2015-CCRE22
DB1525	COMM	2015-CCRE25
DB15LC	DBWF	2015-LCM
DB1678	COMM 2016-787S Mortgage Trust	2016-787S
DB1685	DBWF	2016-85T
DB16D2	COMM 2016-DC2 Mortgage Trust	2016-DC2
DB16SF	DBJPM 2016-SFC Mortgage Trust	2016-SFC
FF0603	Goldman / First Franklin	2006-FF3
FF0604	Goldman / FFMLT	2006-FF4
FF0606	Goldman / FFMLT	2006-FF6
FF0613	FFMLT Trust	2006-FF13
FF06F1	HSBC / First Franklin	2006-FF1
FF06F5	HSBC / FFMLT	2006-FF5
FF06F7	HSBC / FFMLT	2006-FF7
FF06FB	HSBC/First Franklin	2006-FF11

FF07S1	FFMLT	2007-FFB-SS
GC0613	Harborview Mortgage Loan Trust	2006-13
GC0614	Harborview Mortgage Loan Trust	2006-14
GC06B1	Greenwich / Harborview Trust MPTC	2006-BU1
GC06D1	Greenwich / DSLA MTGE PASS-THRU CERTS	2006-AR1
GC06D2	DSLA Mortgage Loan Trust	2006-AR2
GC06E1	Soundview Home Loan Trust	2006-EQ1
GC06E2	Soundview Home Loan Trust	2006-EQ2
GC06F1	GREENWICH / FREMONT HOME LOAN TRUST	2006-1
GC06F2	FREMONT HOME LOAN TRUST	2006-2
GC06F3	Fremont Home Loan Trust	2006-3
GC06H2	Greenwich / Harborview Trust MPTC	2006-2
GC06H3	GREENWICH / Harborview Mortgage Loan Trust	2006-3
GC06H5	Greenwich / Harborview	2006-5
GC06H6	Greenwich / Harborview	2006-6
GC06H7	Greenwich / Harborview Mortgage Loan Trust	2006-7
GC06H8	Greenwich / Harborview Mortgage Loan Trust	2006-8
GC06H9	Harborview Mortgage Loan Trust	2006-9
GC06O1	Greenwich / Soundview Home Loan Trust	2006-OPT1
GC06O2	Greenwich / Soundview Home Loan Trust	2006-OPT2
GC06O3	Greenwich / Soundview Home Loan Trust	2006-OPT3
GC06O4	Greenwich / Soundview Home Loan Trust	2006-OPT4
GC06O5	Greenwich / Soundview HEL	2006-OPT5
GC06S1	Greenwich / Soundview HEL	2006-1
GC06S2	GREENWICH / SOUNDVIEW HOME LOAN TRUST	2006-2
GC06S3	Greenwich / Soundview Home Loan Trust	2006-3
GC06SA	Greenwich / Soundview Home Loan Trust	2006-A
GC06W1	Soundview Home Loan Trust	2006-WF1
GC06W2	Soundview Home Loan Trust	2006-WF2
GC06X1	Harborview Mortgage Loan Trust	2006-SB1
GC06Z8	Greenwich / First Franklin	2006-FF8
GC06ZA	FIRST FRANKLIN	2006-FF16
GC070A	RBSGC Mortgage Loan Trust	2007-A
GC070B	RBSGC Mortgage Loan Trust	2007-B
GC071W	Soundview Home Loan Trust	2007-WMC1
GC07D1	DSLA MORTGAGE LOAN TRUST	2007-AR1
GC07H2	Harborview Mortgage Loan Trust	2007-2
GC07H4	Harborview Mortgage Loan Trust	2007-4
GC07H5	Harborview Mortgage Loan Trust	2007-5
GC07H6	Harborview Mortgage Loan Trust	2007-6
GC07H7	Harborview Mortgage Loan Trust	2007-7
GC07S1	Soundview Home Loan Trust	2007-1
GC07V1	Soundview Home Loan Trust	2007-NS1
GS0602	Goldman GSAA	2006-2
GS0604	GSAA TRUST	2006-4
GS0607	GSAA HOME EQUITY TRUST	2006-7
GS0608	GSAA HOME EQUITY TRUST	2006-8
GS0610	Goldman / GSAA	2006-10
GS0611	Goldman / GSAA	2006-11
GS0613	Goldman / GSAA Home Equity Trust	2006-13
GS0615	GSAA	2006-15
GS0616	GSAA	2006-16
GS0617	GSAA	2006-17
GS0618	GSAA	2006-18
GS061S	GSAA Home Equity Trust 2006-S1 (private issue id GS06AS)	2006-S1
GS062S	Goldman / GSAMP	2006-S2

GS063S	GSAMP Trust	2006-S3
GS064S	Goldman / GSAMP	2006-S4
GS065S	Goldman / GSAMP Trust	2006-S5
GS066S	GSAMP Trust	2006-S6
GS06C2	Goldman / GSAMP Trust	2006-NC2
GS06F1	GSAMP Trust	2006-FM1
GS06F2	GSAMP TRUST	2006-FM2
GS06F3	GSAMP	2006-F3
GS06G1	Greenpoint Mortgage Funding Trust	2006-OH1
GS06H1	Goldman / GSAMP	2006-HE1
GS06L1	Goldman / GSAMP Trust	2006-S1
GS06O1	Goldman / GSR Mortgage Loan Trust	2006-OA1
GS0702	GSAA TRUST	2007-2
GS0704	GSAA TRUST	2007-4
GS0705	GSAA HOME EQUITY TRUST	2007-5
GS0706	GSAA TRUST	2007-6
GS071H	Gsamp Trust	2007-HSBC1
GS071S	GSAA Home Equity Trust	2007-S1
GS07A1	GSR	2007-AR1
GS07A2	GSR Mortgage Loan Trust	2007-AR2
GS07F1	GSAMP	2007-FM1
GS07F2	GSAMP Trust	2007-FM2
GS07H1	GSR Trust	2007-HEL1
GS07O1	GSR TRUST	2007-OA1
GS07O2	GSR Mortgage Loan Trust	2007-QA2
GS07T1	STARM Mortgage Loan Trust	2007-1
GS07T4	STARM	2007-4
GS11C5	GS Mortgage Securities Trust	2011-GC5
GS12C7	GS Mortgage Securities Corporation II	2012-GCJ7
GS1312	GS Mortgage Securities Corp Commercial Mtg	2013-GCJ12
GS1314	GS Mortgage Securities Trust	2013-GCJ14
GS1418	GS Mortgage Securities	2014-GC18
GS1422	GSMS	2014-GC22
HB0601	HSBC / HASCO	2006-OPT1
HB0602	HSBC / HASCO	2006-OPT2
HB0603	HSI ASSET SECURITIZATION TRUST	2006-OPT3
HB0604	HSI ASSET SECURITIZATION TRUST	2006-OPT4
HB06C1	HASCO	2006-NC1
HB06H1	HASCO	2006-HE1
HB06H2	HASCO	2006-HE2
HB06L2	HALO	2006-2
HB06W1	HSI ASSET SECURITIZATION TRUST	2006-WMC1
HB0701	HASCO	2007-OPT1
HB07A1	HALO	2007-1
HB07A2	HSI Asset Loan Obligations	2007-2
HB07C1	HSI Asset Securitization	2007-NC1
HB07F1	HSIAsset Securitization Corporation Trust	2007-WF1
HB07H1	HASCO	2007-HE1
HB07H2	HASCO	2007-HE2
HB07L1	HALO	2007-AR1
HB07L2	HSIAsset Loan Obligation Trusts	2007-AR2
HB07W1	HALO	2007-WF1
IM06S1	IMPAC Secured Assets	2006-1
IM06S2	Impac Secured Assets Corp	2006-2
IM06S3	IMPAC SECURED ASSETS	2006-3
IM06S4	IMPAC SECURED ASSETS	2006-4

IM06S5	IMPAC SECURED ASSETS	2006-5
IM07S1	IMPAC SECURED ASSETS	2007-1
IM07S2	IMPAC SECURED ASSETS	2007-2
IM07S3	IMPAC SECURED ASSETS	2007-3
IN0601	IndyMac Bank RAST	2006-A1
IN0602	INDYMAC RAST	2006-A2
IN0603	IndyMac RAST	2006-A3CB
IN0605	IndyMac RAST	2006-A5CB
IN0606	IndyMac RAST	2006-A6
IN0607	IndyMac RAST	2006-A7CB
IN0608	IndyMac RAST	2006-A8
IN0609	INDYMAC RAST	2006-A9CB
IN060A	IndyMac INDS Mortgage Loan Asset-Backed Trust	2006-A
IN0610	INDYMAC RAST	2006-A10
IN0612	IndyMac RAST	2006-A12
IN0613	IndyMac RAST	2006-A13
IN0614	INDYMAC RESIDENTIAL ASSET SECURITIZATION TRUST	2006-A14CB
IN0615	IndyMac RAST	2006-A15
IN0616	IndyMac RAST	2006-A16
IN06A2	IndyMac Bank INDX	2006-AR2
IN06A3	IndyMac Bank INDX	2006-AR3
IN06A4	INDYMAC INDX MORTGAGE LOAN TRUST	2006-AR4
IN06A5	IndyMac INDX Mortgage Loan Trust	2006-AR5
IN06A6	IndyMac INDX Mortgage Loan Trust	2006-AR6
IN06A7	INDYMAC INDX MORTGAGE LOAN TRUST	2006-AR7
IN06A8	IndyMac INDX Mortgage Loan Trust	2006-AR8
IN06A9	IndyMac INDX Mortgage Loan Trust	2006-AR9
IN06AB	IndyMac INDX Mortgage Loan Trust	2006-AR11
IN06AC	INDYMAC INDX	2006-AR12
IN06AD	IndyMac INDX Mortgage Loan Trust	2006-AR13
IN06AE	INDYMAC INDX	2006-AR14
IN06AF	IndyMac INDX Mortgage Loan Trust	2006-AR15
IN06AJ	IndyMac INDX	2006-AR19
IN06AL	IndyMac INDX	2006-AR21
IN06AN	INDYMAC INDX	2006-AR23
IN06AP	INDYMAC INDX	2006-AR25
IN06AR	IndyMac INDX	2006-AR27
IN06AT	IndyMac INDX	2006-AR29
IN06AV	INDYMAC INDX MORTGAGE LOAN TRUST	2006-AR31
IN06AX	INDYMAC INDX MORTGAGE LOAN TRUST	2006-AR33
IN06AZ	INDYMAC INDX MORTGAGE LOAN TRUST	2006-AR35
IN06B1	IndyMac INDB	2006-1
IN06D1	IndyMac INDA	2006-1
IN06D2	IndyMac INDA	2006-AR2
IN06D3	IndyMac INDA	2006-AR3
IN06F1	IndyMac INDX	2006-FLX1
IN06G1	INDYMAC INDS MORTGAGE LOAN TRUST	2006-1
IN06G2	INDYMAC INDS	2006-2B
IN06G3	Home Equity Mortgage Loan Asset-Backed Trust INDS	2006-3
IN06H1	IndyMac Home Equity Mortgage Loan Trust	2006-H1
IN06H2	IndyMac INABS	2006-H2
IN06H3	IndyMac Home Equity Mortgage Loan Asset-Backed Trust	2006-H3
IN06L1	INDYMAC Loan Trust	2006-L1
IN06L2	IndyMac Loan Trust	2006-L2
IN06L3	INDYMAC LOT LOAN	2006-L3
IN06L4	IndyMac Residential Mortgage Backed Trust	2006-L4



IN06R1	IndyMac RAST	2006-R1
IN06R2	IndyMac INDX	2006-R1
IN06S1	IndyMac Bank INABS	2006-A
IN06S2	INDYMAC INABS	2006-B
IN06S3	IndyMac INABS	2006-C
IN06S4	INDYMAC INABS	2006-D
IN06S5	Home Equity Mortgage Loan Asset-Backed Trust INABS	2006-E
IN06Z1	IndyMac INDX	2006-AR37
IN06Z2	IndyMac INDX	2006-AR39
IN06Z3	IndyMac INDX	2006-AR41
IN0701	INDYMAC RESIDENTIAL ASSET SECURITIZATION TRUST	2007-A1
IN0702	INDYMAC RAST	2007-A2
IN0703	IndyMac RAST	2007-A3
IN0705	INDYMAC RESIDENTIAL ASSET SECURITIZATION TRUST	2007-A5
IN0706	RESIDENTIAL ASSET SECURITIZATION TRUST	2007-A6
IN0707	INDYMAC RAST	2007-A7
IN0708	INDYMAC RAST	2007-A8
IN0709	Residential Asset Securitization Trust	2007-A9
IN07A1	INDYMAC INDX MORTGAGE LOAN TRUST	2007-AR1
IN07A5	IndyMac MBS, Inc.	2007-AR5
IN07A7	INDYMAC INDX MORTGAGE LOAN TRUST	2007-AR7
IN07A9	INDYMAC INDX MORTGAGE LOAN TRUST	2007-AR9
IN07AB	INDYMAC INDX MORTGAGE LOAN TRUST	2007-AR11
IN07AD	INDYMAC INDX MORTGAGE LOAN TRUST	2007-AR13
IN07AF	INDYMAC INDX MORTGAGE LOAN TRUST	2007-AR15
IN07AH	INDYMAC INDX MORTGAGE LOAN TRUST	2007-AR17
IN07AJ	INDYMAC INDX MORTGAGE LOAN TRUST	2007-AR19
IN07AL	INDYMAC INDX MORTGAGE LOAN TRUST	2007-AR21IP
IN07C1	INDYMAC IMSC Mortgage Loan Trust	2007-AR1
IN07D1	INDYMAC INDA MORTGAGE LOAN TRUST	2007-AR1
IN07D2	INDYMAC INDA MORTGAGE LOAN TRUST	2007-AR2
IN07D3	INDYMAC INDA MORTGAGE LOAN TRUST	2007-AR3
IN07D4	INDYMAC INDA MORTGAGE LOAN TRUST	2007-AR4
IN07D5	INDYMAC INDA MORTGAGE LOAN TRUST	2007-AR5
IN07D6	IndyMac INDA Mortgage Loan Trust	2007-AR6
IN07D7	IndyMac INDA Mortgage Loan Trust	2007-AR7
IN07D8	INDYMAC INDA MORTGAGE LOAN TRUST	2007-AR8
IN07D9	IndyMac INDA Mortgage Loan Trust	2007-AR9
IN07F1	INDYMAC INDX MORTGAGE LOAN TRUST	2007-FLX1
IN07F2	INDYMAC INDX MORTGAGE LOAN TRUST	2007-FLX2
IN07F3	INDYMAC INDX MORTGAGE LOAN TRUST	2007-FLX3
IN07F4	INDYMAC INDX MORTGAGE LOAN TRUST	2007-FLX4
IN07F5	INDYMAC INDX MORTGAGE LOAN TRUST	2007-FLX5
IN07F6	INDYMAC INDX MORTGAGE LOAN TRUST	2007-FLX6
IN07J1	INDYMAC IMJA MORTGAGE LOAN TRUST	2007-A1
IN07J2	IndyMac IMJA Mortgage Loan Trust	2007-A2
IN07J3	IndyMac IMJA Mortgage Loan Trust	2007-A3
IN07J4	IndyMac IMJA Mortgage Loan Trust	2007-A4
IN07L1	INDYMAC RMBT	2007-L1
IN07M1	INDYMAC IMSC MORTGAGE LOAN TRUST	2007-F1
IN07M2	INDYMAC IMSC Mortgage Loan Trust	2007-F2
IN07M3	INDYMAC IMSC MORTGAGE LOAN TRUST	2007-AR2
IN07M4	IndyMac IMSC Mortgage Loan Trust	2007-F3
IN07MH	INDYMAC IMSC Mortgage Loan Trust	2007-HOA1
IN07R1	Residential Asset Securitization Trust	2007-R1
IN07S1	INDYMAC HOME EQUITY TRUST INABS	2007-A

IN07S2	INDYMAC INABS	2007-B
IX0601	IXIS Real Estate Capital Trust	2006-HE1
IX0602	IXIS REAL ESTATE CAPITAL TRUST	2006-HE2
IX0603	IXIS REAL ESTATE CAPITAL TRUST	2006-HE3
IX0701	IXIS REAL ESTATE CAPITAL TRUST	2007-HE1
IX0702	MORGAN STANLEY ABS CAPITAL I INC	2007-HE2
JP07C1	J.P. Morgan Mortgage Acquisition Trust	2007-CH1
JP07C2	J.P. Morgan Mortgage Acquisition Trust	2007-CH2
JP07C3	J.P. Morgan Mortgage Acquisition Trust	2007-CH3
JP07C4	J.P. MORGAN MORTGAGE ACQUISITION TRUST	2007-CH4
JP07C5	J.P. Morgan Mortgage Acquisition Trust	2007-CH5
JP07H1	J.P. Morgan Mortgage Acquisition Trust	2007-HE1
JP1317	JPMBB Commercial Mortgage Securities Trust	2013-C17
JP1420	J.P. Morgan Chase Commercial Mortgage Securities Trust	2014-C20
LB0601	Long Beach	2006-1
LB0602	Long Beach Mortgage Loan Trust	2006-2
LB0603	Long Beach Mortgage Trust	2006-3
LB0604	Long Beach Mortgage Trust	2006-4
LB0605	Long Beach	2006-5
LB0606	Long Beach Mortgage Loan Trust	2006-6
LB0607	Long Beach Mortgage Loan Trust	2006-7
LB0608	Long Beach Mortgage Loan Trust	2006-8
LB0609	Long Beach Mortgage Loan Trust	2006-9
LB060A	Long Beach Mortgage Trust	2006-A
LB0610	Long Beach Mortgage Loan Trust	2006-10
LB0611	Long Beach Mortgage Loan Trust	2006-11
LB06W1	Long Beach	2006-WL1
LB06W2	Long Beach	2006-WL2
LB06W3	Long Beach	2006-WL3
ML07M1	Merrill Lynch Mortgage Investors Trust	2007-MLN1
MS06C1	Morgan Stanley	2006-NC1
MS06C2	Morgan Stanley Capital I Inc. Trust	2006-NC2
MS06C3	Morgan Stanley ABS Capital I Inc. Trust	2006-NC3
MS06C4	Morgan Stanley ABS Capital	2006-NC4
MS06C5	Morgan Stanley ABS Capital I Inc. Trust Series	2006-NC5
MS06H2	Morgan Stanley ABS Capital I Inc. Trust	2006-HE2
MS06H3	Morgan Stanley ABS Capital I Inc. Trust	2006-HE3
MS06H4	Morgan Stanley ABS Capital	2006-HE4
MS06H5	Morgan Stanley ABS Capital Trust	2006-HE5
MS06H6	Morgan Stanley ABS Capital I Inc. Trust	2006-HE6
MS06H7	Morgan Stanley ABS Capital I Inc. Trust	2006-HE7
MS06H8	Morgan Stanley ABS Capital I Inc. Trust	2006-HE8
MS06I1	Morgan Stanley IXIS Real Estate Capital	2006-1
MS06I2	Morgan Stanley IXIS Real Estate Capital Trust Series	2006-2
MS06R2	IndyMac RAST	2006-R2
MS06W2	Morgan Stanley ABS Capital Trust	2006-WMC2
MS06X2	Morgan Stanley Home Equity Loan Trust (HEL line)	2006-2
MS06X3	Morgan Stanley Home Equity Loan Trust (HEL line)	2006-3
MS07B1	Morgan Stanley Structured Trust I	2007-1
MS07C1	Morgan Stanley ABS Capital I Inc. Trust	2007-NC1
MS07C2	Morgan Stanley ABS Capital I Inc.	2007-2
MS07C3	Morgan Stanley ABS Capital I Inc.	2007-3
MS07C4	MORGAN STANLEY ABS CAPITAL I INC TRUST	2007-NC4
MS07H1	Morgan Stanley ABS Capital I Inc. Trust	2007-HE1
MS07H2	Morgan Stanley ABS Capital I Inc. Trust	2007-HE2
MS07H3	Morgan Stanley ABS Capital I Inc. Trust	2007-HE3

MS07H5	MORGAN STANLEY ABS CAPITAL I INC	2007-HE5
MS07H6	Morgan Stanley ABS Capital I Inc.	2007-6
MS07H7	Morgan Stanley ABS Capital I Inc.	2007-HE7
MS07X1	Morgan Stanley Home Equity Loan Trust	2007-1
MS07X2	Morgan Stanley Home Equity Loan Trust	2007-2
MS1311	MSBAM	2013-C11
MS1415	MSBAM	2014-C15
NC0601	New Century HELT	2006-1
NC0602	New Century HEL Trust	2006-2
NC06A1	New Century Alternative Mortgage Trust	2006-ALT1
NC06S1	New Century HEL	2006-S1
NS0604	Novastar Mortgage Funding Trust	2006-4
NS0605	Novastar Mortgage Funding Trust	2006-5
NS0606	Novastar Mortgage Funding Trust	2006-6
NS0701	Novastar Mortgage Funding Trust	2007-1
NS0702	Novastar Mortgage Funding Trust	2007-2
PO0701	Popular	2007-A
RB13GS	RBS Commercial Funding Inc. 2013-GSP Trust	2013-GSP
RF06A1	RFC RALI	2006-QA1
RF06A3	RESIDENTIAL ACCREDIT LOANS, INC.	2006-QA3
RF06A4	RESIDENTIAL ACCREDIT LOANS, INC.	2006-QA4
RF06A5	RFC RALI	2006-QA5
RF06A6	RESIDENTIAL ACCREDIT LOANS, INC.	2006-QA6
RF06A7	RESIDENTIAL ACCREDIT LOANS, INC.	2006-QA7
RF06A8	Residential Accredit Loans, Inc.	2006-QA8
RF06A9	Residential Accredit Loans, Inc.	2006-QA9
RF06AA	Residential Accredit Loans, Inc.	2006-QA10
RF06AB	Residential Accredit Loans, Inc.	2006-QA11
RF06H1	Residential Accredit Loans, Inc.	2006-QH1
RF06O1	RFC RALI	2006-QO1
RF06O3	RFC / RESIDENTIAL ACCREDIT LOANS, INC.	2006-QO3
RF06O4	RESIDENTIAL ACCREDIT LOANS, INC.	2006-QO4
RF06O5	RESIDENTIAL ACCREDIT LOANS, INC.	2006-QO5
RF06O6	RFC RALI	2006-QO6
RF06O7	Residential Accredit Loans, Inc.	2006-QO7
RF06O8	Residential Accredit Loans, Inc.	2006-QO8
RF06O9	Residential Accredit Loans, Inc.	2006-QO9
RF06OA	Residential Accredit Loans, Inc.	2006-QO10
RF06Q1	RFC RALI	2006-QS1
RF06Q3	RFC / RESIDENTIAL ACCREDIT LOANS, INC.	2006-QS3
RF06Q4	RESIDENTIAL ACCREDIT LOANS, INC.	2006-QS4
RF06Q5	RESIDENTIAL ACCREDIT LOANS, INC.	2006-QS5
RF06Q6	RFC RALI	2006-QS6
RF06Q7	RFC RALI	2006-QS7
RF06Q8	RESIDENTIAL ACCREDIT LOANS, INC.	2006-QS8
RF06Q9	RESIDENTIAL ACCREDIT LOANS, INC.	2006-QS9
RF06QA	RESIDENTIAL ACCREDIT LOANS, INC.	2006-QS10
RF06QB	RESIDENTIAL ACCREDIT LOANS, INC.	2006-QS11
RF06QC	Residential Accredit Loans, Inc.	2006-QS12
RF06QD	Residential Accredit Loans, Inc.	2006-QS13
RF06QE	Residential Accredit Loans, Inc.	2006-QS14
RF06QF	Residential Accredit Loans, Inc.	2006-QS15
RF06QG	Residential Accredit Loans, Inc.	2006-QS16
RF06QH	Residential Accredit Loans, Inc.	2006-QS17
RF06QI	Residential Accredit Loans, Inc.	2006-QS18
RF07A1	Residential Accredit Loans, Inc.	2007-QA1

RF07A2	Residential Accredit Loans, Inc.	2007-QA2
RF07A3	Residential Accredit Loans, Inc.	2007-QA3
RF07A4	Residential Accredit Loans, Inc.	2007-QA4
RF07A5	Residential Accredit Loans, Inc.	2007-QA5
RF07H1	Residential Accredit Loans, Inc.	2007-QH1
RF07H2	Residential Accredit Loans, Inc.	2007-QH2
RF07H3	Residential Accredit Loans, Inc.	2007-QH3
RF07H4	Residential Accredit Loans, Inc.	2007-QH4
RF07H5	Residential Accredit Loans, Inc.	2007-QH5
RF07H6	Residential Accredit Loans, Inc.	2007-QH6
RF07H7	Residential Accredit Loans, Inc.	2007-QH7
RF07H8	Residential Accredit Loans, Inc.	2007-QH8
RF07H9	Residential Accredit Loans, Inc.	2007-QH9
RF07O1	Residential Accredit Loans, Inc.	2007-QO1
RF07O2	Residential Accredit Loans, Inc.	2007-QO2
RF07O3	Residential Accredit Loans, Inc.	2007-QO3
RF07O4	Residential Accredit Loans, Inc.	2007-QO4
RF07O5	Residential Accredit Loans, Inc.	2007-QO5
RF07Q1	Residential Accredit Loans, Inc.	2007-QS1
RF07Q2	Residential Accredit Loans, Inc.	2007-QS2
RF07Q3	Residential Accredit Loans, Inc.	2007-QS3
RF07Q4	Residential Accredit Loans, Inc.	2007-QS4
RF07Q5	Residential Accredit Loans, Inc.	2007-QS5
RF07Q6	Residential Accredit Loans, Inc.	2007-QS6
RF07Q7	Residential Accredit Loans, Inc.	2007-QS7
RF07Q8	Residential Accredit Loans, Inc.	2007-QS8
RF07Q9	Residential Accredit Loans, Inc.	2007-QS9
RF07QA	Residential Accredit Loans, Inc.	2007-QS10
RF07QB	Residential Accredit Loans, Inc.	2007-QS11
RF07S4	Residential Funding Mortgage Securities I -	2007-S4
RF07S5	Residential Funding Mortgage Securities I,	2007-S5
RF08R1	RFC RALI	2008-QR1
SX0601	Saxon	2006-1
SX0602	Saxon	2006-2
SX0603	Saxon Asset Trust	2006-3
SX0701	SAXON ASSET SECURITIES COMPANY	2007-1
SX0702	SAXON ASSET SECURITIES COMPANY	2007-2
SX0703	SAXON ASSET SECURITIES CO.	2007-3
UB11C1	UBS-Citigroup Commercial Mortgage Trust	2011-C1
UB12C1	UBS Commercial Mortgage Trust	2012-C1
UB12C3	UBS-Barclays Commercial Mortgage Trust	2012-C3
UB13C5	UBS-Barclays Commercial Mortgage Trust	2013-C5
WA06A1	Washington Mutual	2006-AR1
WA06A3	Washington Mutual	2006-AR3
WA06A4	WASHINGTON MUTUAL	2006-AR4
WA06A5	Washington Mutual Acceptance Corp.	2006-AR5
WA07H1	Wamu	2007-HE1
WF11C5	WF RBS Commercial Trust	2011-C5
WF12C6	WFRBS CMT	2012-C6
WF12C7	WFRBS CMT	2012-C7
WF12C8	WFRBS CMT	2012-C8
WF1318	WFRBS Commercial Mtg Loan Trust	2013-C18
WF13U1	WFRBS Commercial Mtg Loan Trust	2013-UBS1
WF1414	WFRBS	2014-LC14
WF1419	WFRBS	2014-C19

**II - Asset-backed transactions and securities constituting the platform - ABS deals**

<b>Deal ID</b>	<b>Deal Name</b>	<b>Series</b>
GM1802	Ally Auto Receivables Trust	2018-2
GM1803	Ally Auto Receivables Trust	2018-3
GM1903	Ally Auto Receivables Trust	2019-3
GM1904	Ally Auto Receivables Trust	2019-4
GM1901	Ally Auto Receivables Trust	2019-1
GM1902	Ally Auto Receivables Trust	2019-2
BW171T	Bank of the West	2017-1
BW181T	Bank of the West	2018-1
BW191T	Bank of the West	2019-1
CPERB9	Centerpoint Energy Restoration Bond Company LLC	
CTBCIV	Centerpoint Energy Transition Bond Company IV, LLC	
CFS07A	Chase Education Loan Trust	2007-A
MCITICCIT2000	Citibank Credit Card Issuance Trust	
CCC7A3	Citibank Credit Card Issuance Trust	2007-A3
CCC7A4	Citibank Credit Card Issuance Trust	2007-A4
CCIT13A9	Citibank Credit Card Issuance Trust	2013-A9
CCIT17A5	Citibank Credit Card Issuance Trust	2017-A5
CCIT17A6	Citibank Credit Card Issuance Trust	2017-A6
CCIT17A7	Citibank Credit Card Issuance Trust	2017-A7
CCIT18A2	Citibank Credit Card Issuance Trust	2018-A2
CCIT18A3	Citibank Credit Card Issuance Trust	2018-A3
CCIT18A4	Citibank Credit Card Issuance Trust	2018-A4
CCIT18A5	Citibank Credit Card Issuance Trust	2018-A5
CCIT18A6	Citibank Credit Card Issuance Trust	2018-A6
CCIT18A7	Citibank Credit Card Issuance Trust	2018-A7
CLC071	College Loan Corp Trust I	2007-1
CLC072	College Loan Corp Trust II	2007-2
CLC061	College Loan Corporation Trust I	2006-1
GMI110191	Juniper Receivables DAC	2019-1
GMI110192	Juniper Receivables DAC	2019-2
GMI110201	Juniper Receivables DAC	2020-1
GMI110	Juniper Receivables DAC	
KSL06A	KeyCorp Student Loan Trust	2006-A
MAEN16A	Navient Private Education Loan Trust	2016-A
MAEN18B	Navient Private Education Loan Trust	2018-B
MAEN18D	Navient Private Education Loan Trust	2018-D
MAEN19E	Navient Private Education LoanTrust	2019-E
MAEN19D	Navient Private Education LoanTrust	2019-D
MAEN19F	Navient Private Education REFI LoanTrust	2019-F
MAEN19PTA	Navient Private Education REFI LoanTrust	2019-PT-A
MAEN19C	Navient Private Education REFI LoanTrust	2019-C
MAEN141	Navient Student Loan Trust	2014-1
MAEN142	Navient Student Loan Trust	2014-2
MAEN143	Navient Student Loan Trust	2014-3
MAEN144	Navient Student Loan Trust	2014-4
MAEN145	Navient Student Loan Trust	2014-5
MAEN146	Navient Student Loan Trust	2014-6
MAEN147	Navient Student Loan Trust	2014-7
MAEN148	Navient Student Loan Trust	2014-8
SLC061	SLC Student Loan Trust	2006-1

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SLC062	SLC Student Loan Trust	2006-2
SLC071	SLC Student Loan Trust	2007-1
SLC072	SLC Student Loan Trust	2007-2
SLC081	SLC Student Loan Trust	2008-1
SLC082	SLC Student Loan Trust	2008-2
SLC091	SLC Student Loan Trust	2009-1
SLC092	SLC Student Loan Trust	2009-2
SLC093	SLC Student Loan Trust	2009-3
SLC101	SLC Student Loan Trust	2010-1
MAE610	SLM Student Loan Trust	2006-10
MAE062	SLM Student Loan Trust	2006-2
MAE064	SLM Student Loan Trust	2006-4
MAE065	SLM Student Loan Trust	2006-5
MAE066	SLM Student Loan Trust	2006-6
MAE067	SLM Student Loan Trust	2006-7
MAE068	SLM Student Loan Trust	2006-8
MAE069	SLM Student Loan Trust	2006-9
MAE071	SLM Student Loan Trust	2007-1
MAE072	SLM Student Loan Trust	2007-2
MAE073	SLM Student Loan Trust	2007-3
MAE074	SLM Student Loan Trust	2007-4
MAE075	SLM Student Loan Trust	2007-5
MAE076	SLM Student Loan Trust	2007-6
MAE077	SLM Student Loan Trust	2007-7
MAE078	SLM Student Loan Trust	2007-8
MAE081	SLM Student Loan Trust	2008-1
MAE082	SLM Student Loan Trust	2008-2
MAE083	SLM Student Loan Trust	2008-3
MAE084	SLM Student Loan Trust	2008-4
MAE085	SLM Student Loan Trust	2008-5
MAE086	SLM Student Loan Trust	2008-6
MAE087	SLM Student Loan Trust	2008-7
MAE088	SLM Student Loan Trust	2008-8
MAE089	SLM Student Loan Trust	2008-9
MAE901	SLM Student Loan Trust	2009-1
MAE902	SLM Student Loan Trust	2009-2
MAE101	SLM Student Loan Trust	2010-1
MAE102	SLM Student Loan Trust	2010-2
MAE111	SLM Student Loan Trust	2011-1
MAE112	SLM Student Loan Trust	2011-2
MAE113	SLM Student Loan Trust	2011-3
MAE121	SLM Student Loan Trust	2012-1
MAE122	SLM Student Loan Trust	2012-2
MAE123	SLM Student Loan Trust	2012-3
MAE124	SLM Student Loan Trust	2012-4
MAE125	SLM Student Loan Trust	2012-5
MAE126	SLM Student Loan Trust	2012-6
MAE127	SLM Student Loan Trust	2012-7
MAE128	SLM Student Loan Trust	2012-8
MAE131	SLM Student Loan Trust	2013-1
MAE132	SLM Student Loan Trust	2013-2
MAE133	SLM Student Loan Trust	2013-3
MAE134	SLM Student Loan Trust	2013-4
MAE135	SLM Student Loan Trust	2013-5
MAE136	SLM Student Loan Trust	2013-6
MAE041	SLM Student Loan Trust	2014-1

MAE142	SLM Student Loan Trust	2014-2
MAEB14A	SMB Private Education Loan Trust	2014-A
MAEB15A	SMB Private Education Loan Trust	2015-A
MAEB15B	SMB Private Education Loan Trust	2015-B
MAEB15C	SMB Private Education Loan Trust	2015-C
MAEB16A	SMB Private Education Loan Trust	2016-A
MAEB16B	SMB Private Education Loan Trust	2016-B
MAEB16C	SMB Private Education Loan Trust	2016-C
MAEB17A	SMB Private Education Loan Trust	2017-A
MAEB17B	SMB Private Education Loan Trust	2017-B
MAEB18A	SMB Private Education Loan Trust	2018-A
MAEB18B	SMB Private Education Loan Trust	2018-B
MAEB18C	SMB Private Education Loan Trust	2018-C
MAEB19A	SMB Private Education Loan Trust	2019-A
MAEB19B	SMB Private Education Loan Trust	2019-B
SYNMNT172	Synchrony Credit Card Issuance Trust	2017-2
GEMN143	Synchrony Credit Card Master Note Trust	2014-VFN3
GEMN144	Synchrony Credit Card Master Note Trust	2014-VFN4
GEMN145	Synchrony Credit Card Master Note Trust	2014-VFN5
SYNMN182	Synchrony Credit Card Master Note Trust	2018-2
SYNMN20VF1	Synchrony Credit Card Master Note Trust	2020-VFN1
SYNMN21VF1	Synchrony Credit Card Master Note Trust	2021-VFN1
GES12A	Synchrony Sales Finance Master Trust	2012-A
GES12D	Synchrony Sales Finance Master Trust	2012-D
GESFM14C	Synchrony Sales Finance Master Trust	2014-C
SYNSFT15B	Synchrony Sales Finance Master Trust	2015-B
SYNSFT20A	Synchrony Sales Finance Master Trust	2020-A
VART211	Veros Auto Receivables Trust	2021-1
VALET182	Volkswagen Auto Loan Enhanced Trust	2018-2
VALET201	Volkswagen Auto Loan Enhanced Trust	2020-1
GEF201	Wells Fargo Dealer Floorplan Master Note Trust	2020-VFN-1

### III -Mortgage-backed transactions constituting the platform - Document custody only deals

<u>Deal ID</u>	<u>Deal Name</u>	<u>Series</u>
AH066C	Citi/ Wells Fargo American Home Mortgage Assets	2006-4
BC061C	Wells Fargo/ SABR	2006-NC2
BC062C	Wells Fargo/ SABR	2006-NC3
BC081C	BCAP	2008-IND1
BC083C	BCAP	2008-IND2
CA061C	Carrington	2006-NC1
CA062C	Wells Fargo/ Carrington Mortgage Loan Trust	2006-NC2
CA063C	Wells Fargo/ Carrington Mortgage Loan Trust	2006-NC3
CA064C	Wells Fargo/ Carrington Mortgage Loan Trust	2006-NC4
CI225C	BOCA Commercial Mortgage Trust	2022-BOCA
DB061C	ACE	2006-NC1
DB061Z	DBALT 2006-AR6 Wells Fargo/ Deutsche Bank custody	2006-AR6
DB062C	ACE 2006 ASAP1 HSBC/WELLS FARGO/DB	2006ASAP1
DB062Z	DBALT 2006-OA1 Wells Fargo/ Deutsche Bank custody	2006-OA1
DB063C	ACE	2006-SL1
DB064C	DBALT 2006-AB1/WELLS FARGO/DB	2006-AB1

DB065C	DBALT 2006-AR1 HSBC/ Wells Fargo/Deutsche Bank	2006-AR1
DB066C	DB ACE	2006-HE1
DB067C	Ace 2006-SD1 HSBC/ Wells Fargo/ Deutsche	2006-SD1
DB068C	DB Ace Securities Series	2006-ASAP2
DB069C	DBALT Series	2006-AF1
DB06AC	DB Ace Series	2006-SL2
DB06CC	Ace 2006-HE2 HSBC/ Wells Fargo/ Deutsche Bank custody	2006-HE2
DB06DC	Ace 2006-ASL1 HSBC/ Wells Fargo/ Deutsche Bank custody	2006-ASL1
DB06EC	DBALT 2006-AB2 HSBC/ Wells Fargo/ Deutsche Bank custody	2006-AB2
DB06FC	Ace 2006-ASAP3 HSBC/ Wells Fargo/ Deutsche Bank custody	2006-ASAP3
DB06HC	Ace 2006-HE3 HSBC/ Wells Fargo/ Deutsche Bank custody	2006-HE3
DB06JC	Ace 2006-SD2 HSBC/ Wells Fargo/ Deutsche Bank custody	2006-SD2
DB06LC	DBALT 2006-AB3 HSBC/ Wells Fargo/ Deutsche Bank custody	2006-AB3
DB06MC	DB ALT 2006-AR2 HSBC/ Wells Fargo/ Deutsche Bank custody	2006-AR2
DB06PC	ACE 2006-SL4 HSBC/ Wells Fargo/ Deutsche Bank custody	2006-SL4
DB06QC	ACE 2006-NC2 HSBC/ Wells Fargo/ Deutsche Bank custody	2006-NC2
DB06SC	DBALT 2006-AB4 HSBC/ Wells Fargo/ Deutsche Bank custody	2006-AB4
DB06TC	Ace 2006-ASAP5 HSBC/ Wells Fargo/ Deutsche Bank custody	2006-ASAP5
DB06UC	DBALT 2006-AR4 HSBC/ Wells Fargo/ Deutsche Bank custody	2006-AR4
DB06WC	DBALT 2006-AR5 Wells Fargo/ Deutsche Bank custody	2006-AR5
DB06XC	Ace 2006-NC3 Wells Fargo/ Deutsche Bank custody	2006-NC3
DB06YC	Ace 2006-ASAP6 Wells Fargo/ Deutsche Bank custody	2006-ASAP6
DB06ZC	Ace 2006-SD3 Wells Fargo/ Deutsche Bank custody	2006-SD3
DB071C	DBALT 2007-AR1 Wells Fargo/ Deutsche Bank custody	2007-AR1
DB073C	Ace 2007-ASL1 Wells Fargo/ Deutsche Bank custody	2007-ASL1
DB074C	DBALT 2007-AR2 Wells Fargo/ Deutsche Bank custody	2007-AR2
DB075C	DBALT 2007-BAR1 Wells Fargo/ Deutsche Bank custody	2007-BAR1
DB077C	ACE 2007-SL1 Wells Fargo/ Deutsche Bank custody	2007-SL1
DB078C	ACE 2007-HE2 Wells Fargo/ Deutsche Bank custody	2007-HE2
DB07AC	ACE 2007-ASAP1 Wells Fargo/ Deutsche Bank custody	2007-ASAP1
DB07CC	DBALT 2007-OA2 Wells Fargo/ Deutsche Bank custody	2007-OA2
DB07DC	DBALT 2007-AB1 Wells Fargo/ Deutsche Bank custody	2007-AB1
DB07EC	Ace 2007-HE4 Wells Fargo/ Deutsche Bank custody	2007-HE4
DB07FC	DBALT 2007-AR3 Wells Fargo/ Deutsche Bank custody	2007-AR3
DB07GC	ACE 2007-ASAP2 Wells Fargo/ Deutsche Bank custody	2007-ASAP2
DB07HC	Wells Fargo/ Deutsche Alt-A Securities	2007-OA3
DB07JC	Ace 2007-HE5/ Wel	2007-HE5
DB07LC	DBALT 2007-OA4/ Wel	2007-OA4
DB07MC	DBALT 2007-1/ Wells	2007-1
DB07NC	DBALT 2007-OA5/ Wel	2007-OA5
DB07PC	Ace 2007-SL2/ Wel	2007-SL2
DB07QC	DBALT 2007-2/ Wells	2007-2
DB07TC	DBALT 2007-3/ Wells Fargo	2007-3
FB061C	ABSC	2006-AG1
FB071C	CSMC 2007-5/Wells Fargo custody	2007-5
FB072C	CSMC 2007-NC1 custody	2007-NC1
FB073C	CSMC 2007-6 custody	2007-6
FB075C	CSMC 2007-7 custody	2007-7
GC069C	HarborView Mortgage Loan Trust	2006-10
GC07AC	HarborView Mortgage Loan Trust	2007-3
GS061C	US Bank/Wells Fargo GSR 2006-1F Custody	2006-1F
GS062C	WELLS FARGO/GSR 2006-AR1 CUSTODY	2006-AR1
GS063C	JP Morgan/ US Bank GSAA 2006-1 Custody	2006-1
GS066C	GSAA	2006-3
GS067C	GSR	2006-2F
GS068C	Wells Fargo/US BankGSR	2006-3F



GS069C	JP Morgan/ US Bank GSAA	2006-5
GS06AC	JP Morgan/ US Bank GSAA 2006-6 custody	2006-6
GS06BC	Wells Fargo/ US Bank GSR 2006-AR2 custody	2006-AR2
GS06CC	JP Morgan/ US Bank GSR 2006-4F custody	2006-4F
GS06DC	Wells Fargo/ US Bank GSAMP 2006-HE3 custody	2006-HE3
GS06EC	JP Morgan/ US Bank GSAA 2006-9 custody	2006-9
GS06FC	Wells Fargo/ US Bank GSR 2006-5F custody	2006-5F
GS06GC	Wells Fargo/ GSAMP 2006-HE4 custody	2006-HE4
GS06HC	Wells Fargo/ GSR 2006-6F custody	2006-6F
GS06JC	Wells Fargo/ GSR 2006-7F custody	2006-7F
GS06KC	Wells Fargo/ GSAA 2006-12 custody	2006-12
GS06LC	Wells Fargo/ GSAMP 2006-HE5 custody	2006-HE5
GS06MC	Wells Fargo/ GSR 2006-8F custody	2006-8F
GS06OC	Wells Fargo/ GSAA 2006-14 custody	2006-14
GS06PC	Goldman Sachs/ US Bank/NCAMLT	2006-ALT2
GS06QC	GSAMP 2006-HE7 Goldman Sachs/ LaSalle/ Wells Fargo	2006-HE7
GS06RC	GSR 2006-9F Goldman Sachs/ US Bank/ Wells Fargo	2006-9F
GS06SC	GSAA 2006-19 Goldman Sachs/ US Bank/ Wells Fargo	2006-19
GS06TC	GSR 2006-10F Goldman Sachs/ US Bank/ Wells Fargo	2006-10F
GS06UC	GSAA 2006-20 Goldman Sachs/ US Bank/ Wells Fargo	2006-20
GS06VC	GSAMP 2006-HE8 Goldman Sachs/ LaSalle/ Wells Fargo	2006-HE8
GS072C	GSAA 2007-1 Goldman Sachs/ US Bank/ Wells Fargo	2007-1
GS073C	GSAMP 2007-H1 Goldman Sachs/ LaSalle/Wells Fargo custody	2007-H1
GS074C	GSR 2007-1F Goldman Sachs/ Wells Fargo custody	2007-1F
GS075C	GSAMP 2007-NC1 Goldman Sachs/ Wells Fargo custody	2007-NC1
GS076C	GSAA 2007-3 Goldman Sachs/ Wells Fargo custody	2007-3
GS077C	GSAMP 2007-HE1 Goldman Sachs/ Wells Fargo custody	2007-HE1
GS078C	GSR 2007-2F Goldman Sachs/ Wells Fargo custody	2007-2F
GS07AC	GSAMP 2007-HE2 Goldman Sachs/ Wells Fargo custody	2007-HE2
GS07BC	GSR 2007-3F Goldman Sachs/ Wells Fargo custody	2007-3F
GS07DC	GSAA 2007-7/ Wells Fargo	2007-7
GS07EC	GSR 2007-4F/ Wells Fargo	2007-4F
GS07FC	GSAA 2007-8/ Wells Fargo	2007-8
GS07GC	GSAA 2007-9/ Wells Fargo	2007-9
GS07HC	GSAA 2007-10/ Wells Fargo	2007-10
GS07KC	GSR 2007-5F/ Wells Fargo	2007-5F
LH061Z	SASCO 2006-BC2 custody only	2006-BC2
LH062Z	LXS 2006-13 custody only	2006-13
LH063C	Lehman SAIL	2006-1
LH063Z	SAIL 2006-BNC3 custody only	2006-BNC3
LH064C	Lehman LXS	2006-2N
LH064Z	LXS 2006-14N DB custody only	2006-14N
LH065C	Lehman SARM	2006-1
LH065Z	Lehman mortgage trust 2006-5 custody only	2006-5
LH066Z	Greenpoint 2006-HE1 DB custody only	2006-HE1
LH067C	Lehman SASCO	2006-BNC1
LH067Z	LXS 2006-15 DB custody only	2006-15
LH068C	Lehman SARM	2006-2
LH068Z	LXS 2006-16H DB custody only	2006-16H
LH069C	Lehman SAIL	2006-2
LH069Z	SARM 2006-9 DB custody only	2006-9
LH06AC	Lehman SARM	2006-3
LH06AZ	BNC 2006-1 DB custody only	2006-1
LH06BC	Lehman LXS	2006-5
LH06BZ	LMT 2006-6 DB custody only	2006-6
LH06CZ	SASCO 2006-BC3 DB custody only	2006-BC3

LH06DC	SAIL	2006-BNC2
LH06DZ	LMT 2006-7 DB custody only	2006-7
LH06EC	SASCO	2006-BC1
LH06FC	SASCO	2006-AM1
LH06FZ	LXS 2006-17 DB custody only	2006-17
LH06GC	SARM	2006-4
LH06GZ	BNC 2006-10 DB custody only	2006-10
LH06HC	LXS	2006-7
LH06IZ	SASCO 2006-BC4 DB custody only	2006-BC4
LH06JZ	LXS 2006-19 custody only	2006-19
LH06KC	SAIL 2006-3 custody only	2006-3
LH06KZ	LXS	2006-18N
LH06LC	LXS 2006-8 custody only	2006-8
LH06MC	SARM 2006-5 custody only	2006-5
LH06MZ	SASCO 2006-BC5 custody only	2006-BC5
LH06NC	SASCO 2006-NC1 custody only	2006-NC1
LH06NZ	LMT 2006-8 custody only	2006-8
LH06PC	SAIL 2006-4 custody only	2006-4
LH06QC	SASCO 2006-ARS1 custody only	2006-ARS1
LH06QZ	SASCO 2006-BC6 custody only	2006-BC6
LH06RC	LXS 2006-10N custody only	2006-10
LH06RZ	LMT 2006-9 custody only	2006-9
LH06SC	LXS 2006-9 custody only	2006-9
LH06SZ	SARM 2006-12 custody only	2006-12
LH06UC	SARM 2006-7 custody only	2006-7
LH06UZ	LXS 2006-20 custody only	2006-20
LH06WC	LMT 2006-4 custody only	2006-4
LH06XC	LXS 2006-11 custody only	2006-11N
LH06YC	LXS 2006-12N custody only	2006-12N
LH06ZC	SARM 2006-8 custody only	2006-8
LH071C	SASCO 2007-BC1 custody only	2007-BC1
LH071Z	LXS 2007-18N custody only	2007-18N
LH072Z	SARM 2007-10 custody only	2007-10
LH073C	LMT 2007-1 custody only	2007-1
LH074C	LXS 2007-2N custody only	2007-2N
LH074Z	SASCO 2007-BNC1 custody only	2007-BNC1
LH075C	LXS 2007-1 custody only	2007-1
LH075Z	LMT 2007-10 custody only	2007-10
LH076C	LMT 2007-2 custody only	2007-2
LH076Z	LXS 2007-20N custody only	2007-20N
LH077C	BNC 2007-1 custody only	2007-1
LH077Z	SARM 2007-11 custody only	2007-11
LH078C	LXS 2007-3 custody only	2007-3
LH079C	LXS 2007-4 custody only	2007-4
LH079Z	SASCO 2007-BC4 custody only	2007-BC4
LH07AZ	BNC 2007-4 custody only	2007-4
LH07BC	SARM 2007-3 custody only	2007-3
LH07CC	LMT	2007-4
LH07FC	BNC 2007-2 custody only	2007-2
LH07GC	LXS 2007-6 custody only	2007-6
LH07JC	LMT 2007-5 custody only	2007-5
LH07KC	SASCO 2007-BC3 custody only	2007-BC3
LH07LC	LXS 2007-9 custody only	2007-9
LH07MC	LXS 2007-8h custody only	2007-8h
LH07NC	SASCO 2007-OS1 custody only	2007-OS1
LH07RC	LXS 2007-12N custody only	2007-12N

LH07SC	LXS 2007-11 custody only	2007-11
LH07TC	BNC 2007-3 custody only	2007-3
LH07WC	LMT 2007-7 custody only	2007-7
LH07XC	LXS 2007-15N custody only	2007-15N
LH07ZC	SARM 2007-8 custody only	2007-8
MG071C	MHL 2007-1/Wells custody only	2007-1
MG072C	MHL 2007-2/Wells custody only	2007-2
ML061C	MLMI	2006-AR1
ML072C	MANA 2007-A3/Wells Fargo custody only	2007-A3
ML073C	MANA 2007-AF1/Wells Fargo custody only	2007-AF1
MS064C	MSM custody only	2006-11
SG071C	SG Mortgage Securities Trust	2007-NC1
SU071C	STICS 2007-1/Wells Fargo custody only	2007-1
UB061C	UBS MASTR	2006-AM1
UB062C	UBS MASTR	2006-NC1
UB063C	Wells Fargo/ UBS MASTR	2006HE-2
UB064C	MABS 2006-AM2 custody only	2006-AM2
UB065C	Wells Fargo/ UBS MASTR	2006-NC2
UB066C	Wells Fargo/ US Bank UBS MASTR 2006-AM3 custody only	2006-AM3
UB067C	Wells Fargo/ UBS MASTR	2006-NC3
UB068C	Wells Fargo/ UBS MASTR	2006-HE5
WA071C	WaMu 2007-HE2/ Citi custody	2007-HE2
WA072C	WaMu 2007-HE3/ Citi custody	2007-HE3
WA073C	WaMu 2007-HE4/ Citi custody	2007-HE4

**ATTESTATION REPORT ON ASSESSMENT OF COMPLIANCE WITH  
SERVICING CRITERIA FOR ASSET-BACKED SECURITIES**

**REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM**

To the Member of  
CenterPoint Energy Houston Electric, LLC  
Houston, Texas

We have examined management of CenterPoint Energy Houston Electric, LLC's assertion, included in the accompanying Report on Assessment of Compliance with Servicing Criteria for Asset-Backed Securities for CenterPoint Energy Houston Electric, LLC, that CenterPoint Energy Houston Electric, LLC (the "Company") complied with the servicing criteria set forth in Item 1122(d) of the Securities and Exchange Commission's Regulation AB for the \$1,695 million original principal amount of CenterPoint Energy Transition Bond Company IV, LLC's transition bonds (the "2012 Senior Secured Transition Bonds"), excluding criteria in Items 1122(d) (1)(ii) (outsourcing), (1)(iii) (back-up servicing), (1)(iv) (fidelity bond), (2)(ii) (wire transfer disbursements), (2)(vi) (unissued checks), (3)(ii) (allocation and remittance), (3)(iii) (disbursements to investors), (4)(iii) (additions, removals or substitutions), (4)(v) (records regarding pool assets), (4)(ix) (adjustments to interest rates), (4)(xi) (payments on behalf of obligors), (4)(xii) (late payment penalties), (4)(xiii) (obligor disbursements), and (4)(xv) (external credit enhancement) (the "servicing criteria"), as of and for the year ended December 31, 2022, which management has determined are not applicable to the activities performed by the Company with respect to the 2012 Senior Secured Transition Bonds. The Company's management is responsible for its assertion. Our responsibility is to express an opinion on management's assertion about the Company's compliance with the servicing criteria based on our examination.

Our examination was conducted in accordance with the standards of the Public Company Accounting Oversight Board (United States) and in accordance with attestation standards established by the American Institute of Certified Public Accountants. Those standards require that we plan and perform the examination to obtain reasonable assurance about whether management's assertion is fairly stated, in all material respects and, accordingly, included examining, on a test basis, evidence about the Company's compliance with the servicing criteria, including tests on a sample basis of the servicing activities related to the Platform, determining whether the Company performed those selected activities in compliance with the servicing criteria during the specified period, and performing such other procedures as we considered necessary in the circumstances. Our procedures were limited to selected servicing activities performed by the Company during the period covered by this report and, accordingly, such samples may not have included servicing activities related to each asset-backed transaction included in the 2012 Senior Secured Transition Bonds. Further, an examination is not designed to detect noncompliance arising from errors that may have occurred prior to the period specified above that may have affected the balances or amounts calculated or reported by the Company during the period covered by this report. We believe that the evidence we obtained is sufficient and appropriate to provide a reasonable basis for our opinion.

We are required to be independent of the Company and to meet our other ethical responsibilities in accordance with relevant ethical requirements relating to the engagement.

Our examination does not provide a legal determination on the Company's compliance with the servicing criteria.

In our opinion, management's assertion that the Company complied with the aforementioned servicing criteria as of and for the year ended December 31, 2022, for the 2012 Senior Secured Transition Bonds, is fairly stated, in all material respects.

*/s/ DELOITTE & TOUCHE LLP*

March 28, 2023  
Houston, Texas

**ATTESTATION REPORT ON ASSESSMENT OF COMPLIANCE WITH  
SERVICING CRITERIA FOR ASSET-BACKED SECURITIES****Report of Independent Registered Public Accounting Firm**

Deutsche Bank National Trust Company and Deutsche Bank Trust Company Americas

We have examined management's assertion, included in the accompanying Management's Assertion of Compliance, that Trust & Agency Services department of Deutsche Bank National Trust Company and Deutsche Bank Trust Company Americas (collectively the "Company") complied with the servicing criteria set forth in Item 1122(d) of the Securities and Exchange Commission's Regulation AB for the publicly-issued (i.e., transaction-level reporting required under the Securities Exchange Act of 1934, as amended) and certain privately-issued (i.e., for which transaction-level reporting is required pursuant to contractual obligation) residential mortgage-backed securities, commercial mortgage-backed securities and other asset-backed securities issued on or after January 1, 2006, for which the Company provides trustee, certificate administrator, securities administration, paying agent or custodian services, as defined in the transaction agreements, excluding publicly-issued securities sponsored or issued by any government sponsored entity (the "Platform"), as of and for the year ended December 31, 2022, except for criteria 1122(d)(4)(iv) – 1122(d)(4)(xiv), which the Company has determined are not applicable to the activities it performs with respect to the servicing platform covered by this report. Refer to Appendix A of Management's Assertion of Compliance for the asset backed transactions covered by this platform. Management is responsible for the Company's compliance with those servicing criteria. Our responsibility is to express an opinion on management's assertion about the Company's compliance with the servicing criteria based on our examination.

Our examination was conducted in accordance with attestation standards established by the American Institute of Certified Public Accountants and the Public Company Accounting Oversight Board (United States) and, accordingly, included examining, on a test basis, evidence about the Company's compliance with the applicable servicing criteria and performing such other procedures as we considered necessary in the circumstances. Our examination included testing of less than all of the individual asset backed transactions and securities that comprise the platform, testing of less than all of the servicing activities related to the Platform and determining whether the Company processed those selected transactions and performed those selected activities in compliance with the servicing criteria. Furthermore, our procedures were limited to the selected transactions and servicing activities performed by the Company during the period covered by this report. Our procedures were not designed to determine whether errors may have occurred either prior to or subsequent to our tests that may have affected the balances or amounts calculated or reported by the Company during the period covered by this report for the selected transactions or any other transactions. Although the Company is responsible for assessing compliance with criteria 1122(d)(1)(ii), 1122(d)(1)(iii), 1122(d)(2)(iii) and 1122(d)(4)(iii) of Regulation AB, there were no occurrences of events that would require the Company to perform such activities during the year ended December 31, 2022. We believe that the evidence we obtained is sufficient and appropriate to provide a reasonable basis for our opinion.

We are required to be independent of the Company and to meet our ethical responsibilities, in accordance with the relevant ethical requirements related to our examination engagement.

Our examination does not provide a legal determination on the Company's compliance with the servicing criteria.

In our opinion, management's assertion that the Company complied with the aforementioned servicing criteria as of and for the year ended December 31, 2022 for the Platform is fairly stated, in all material respects.

/s/ Ernst & Young LLP

February 28, 2023

## CERTIFICATE OF COMPLIANCE

The undersigned hereby certifies that she is the duly elected and acting Vice President, Investor Relations and Treasurer of CenterPoint Energy Houston Electric, LLC as servicer (the "Servicer") under the Transition Property Servicing Agreement dated as of January 19, 2012 (the "Servicing Agreement") between the Servicer and CenterPoint Energy Transition Bond Company IV, LLC (the "Issuer") and further that:

1. A review of the activities of the Servicer and of its performance under the Servicing Agreement during the twelve months ended December 31, 2022 has been made under the supervision of the undersigned pursuant to Section 3.03 of the Servicing Agreement; and
2. To the best of the undersigned's knowledge, based on such review, the Servicer has fulfilled all of its obligations in all material respects under the Servicing Agreement throughout the twelve months ended December 31, 2022.

Executed as of this 28th day of March, 2023.

CenterPoint Energy Houston Electric, LLC, as servicer

By: /s/ Jacqueline M. Richert

Name: Jacqueline M. Richert

Title: Vice President, Investor Relations and Treasurer

**ANNEX A**

**to Certificate of Compliance**

**LIST OF SERVICER DEFAULTS**

The following Servicer Defaults, or events which with the giving of notice, the lapse of time, or both, would become Servicer Defaults known to the undersigned occurred during the year ended December 31, 2022:

Nature of Default	Status
None.	