

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, DC 20549  
FORM 8-K**

**CURRENT REPORT  
PURSUANT TO SECTION 13 OR 15(D) OF THE SECURITIES EXCHANGE ACT OF 1934**

Date of report (Date of earliest event reported)

May 9, 2024

(Commission File Number)

(Exact Name of Registrant as Specified in Its Charter)

(I.R.S. Employer Identification No.)

1-12579

OGE ENERGY CORP.

73-1481638

Oklahoma

(State or Other Jurisdiction of Incorporation)

321 North Harvey

P.O. Box 321

Oklahoma City

Oklahoma

73101-0321

(Address of Principal Executive Offices)

(Zip Code)

(405) 553-3000

(Registrant's telephone number, including area code)

Not Applicable

(Former Name or Former Address, if Changed Since Last Report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Securities registered pursuant to Section 12(b) of the Act:

Registrant	Title of each class	Trading Symbol(s)	Name of each exchange on which registered
OGE Energy Corp.	Common Stock	OGE	New York Stock Exchange

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2).

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.

## Item 8.01. Other Events

OGE Energy Corp. ("OGE Energy") is the parent company of Oklahoma Gas and Electric Company, a regulated electric company with approximately 900,000 customers in Oklahoma and western Arkansas.

On May 9, 2024, OGE Energy, an Oklahoma corporation, completed the issuance of \$350,000,000 in aggregate principal amount of its 5.45% Senior Notes, Series due May 15, 2029 (the "OGE Energy Senior Notes"). The offering of the OGE Energy Senior Notes was registered under the Securities Act of 1933, as amended, pursuant to OGE Energy's registration on Form S-3ASR (File No. 333-279061). A prospectus supplement relating to the offering and sale of the OGE Energy Senior Notes was filed with the Securities and Exchange Commission on May 7, 2024.

Attached as Exhibit 4.01 is the Supplemental Indenture No. 5 dated as of May 9, 2024 between OGE Energy and BOKF, NA, as trustee, creating the OGE Energy Senior Notes. Attached as Exhibit 5.01 is an Opinion of Counsel as to the legality of the OGE Energy Senior Notes.

## Item 9.01. Financial Statements and Exhibits

### (d) Exhibits

<u>Exhibit Number</u>	<u>Description</u>
4.01	<a href="#">Supplemental Indenture No. 5 dated as of May 9, 2024 between OGE Energy and BOKF, NA, as trustee, creating the OGE Energy Senior Notes.</a>
5.01	<a href="#">Opinion of GableGotwals as to the legality of the OGE Energy Senior Notes.</a>
104	Cover Page Interactive Data File - the cover page XBRL tags are embedded within the Inline XBRL document.

---

**SIGNATURE**

Pursuant to the requirements 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.

**OGE ENERGY CORP.**

(Registrant)

By:

/s/ Sarah R. Stafford

---

Sarah R. Stafford

Controller and Chief Accounting Officer

May 9, 2024

---

---

---

**SUPPLEMENTAL INDENTURE NO. 5**

**FROM**

**OGE ENERGY CORP.**

**TO**

**BOKF, NA**

**TRUSTEE**

---

**DATED AS OF MAY 9, 2024**

---

**SUPPLEMENTAL TO INDENTURE  
DATED AS OF NOVEMBER 1, 2004**

---

---

## TABLE OF CONTENTS

Parties	1
Recitals	1

### ARTICLE ONE RELATION TO INDENTURE; DEFINITIONS

Section 1.01.	Integral Part of Indenture	1
Section 1.02.	Definitions; References to Articles and Sections; Terms referring to this Supplemental Indenture	2

### ARTICLE TWO 5.45% SENIOR NOTES, SERIES DUE MAY 15, 2029

Section 2.01.	Designation and Principal Amount	2
Section 2.02.	Stated Maturity Date	2
Section 2.03.	Interest Payment Dates	2
Section 2.04.	Office for Payment	2
Section 2.05.	Redemption Provisions	2
Section 2.06.	Authorized Denominations	3
Section 2.07.	Reopening of Series	3
Section 2.08.	Form of 5.45% Senior Notes, Series Due May 15, 2029	3

### ARTICLE THREE MISCELLANEOUS

Section 3.01.	Recitals of fact, except as stated, are statements of the Company	3
Section 3.02.	Supplemental Indenture to be construed as a part of the Indenture	3
Section 3.03.	Trust Indenture Act to control; Severability of provisions contained in Supplemental Indenture and Securities	3
Section 3.04.	References to either party in Supplemental Indenture include successors or assigns	4
Section 3.05.	Provision for execution in counterparts; Table of Contents and descriptive headings of Articles not to affect meaning	4
Exhibit A	Form of 5.45% Senior Notes, Series Due May 15, 2029	

SUPPLEMENTAL INDENTURE No. 5, made as of the 9th day of May, 2024, by and between OGE ENERGY CORP., a corporation duly organized and existing under the laws of the State of Oklahoma (the "Company"), and BOKF, NA, a national banking association duly organized and existing under the laws of the United States, as successor trustee, registrar and paying agent (the "Trustee"):

WITNESSETH:

WHEREAS, the Company has heretofore executed and delivered its Indenture (hereinafter referred to as the "Indenture"), made as of November 1, 2004; and

WHEREAS, the Company has heretofore executed and delivered its Supplemental Indenture No. 1 dated as of November 4, 2004, adding to the covenants, conditions and agreements of the Indenture certain additional covenants, conditions and agreements to be observed by the Company, and creating a series of Securities designated "5.00% Senior Notes, Series due November 15, 2014"; and

WHEREAS, the Company has heretofore executed and delivered its Supplemental Indenture No. 2 dated as of November 24, 2014, adding to the covenants, conditions and agreements of the Indenture certain additional covenants, conditions and agreements to be observed by the Company, and creating a series of Securities designated "Floating Rate Senior Notes, Series due November 24, 2017"; and

WHEREAS, the Company, the Trustee and UMB Bank, N.A., as predecessor trustee, registrar and paying agent (the "Prior Trustee"), have heretofore executed and delivered its Supplemental Indenture No. 3, dated as of April 26, 2018, providing for the resignation of UMB and the acceptance, by the Trustee, of its appointment as trustee, registrar and paying agent and the assumption of all duties and responsibilities of the trustee, registrar and paying agent under the Indenture; and

WHEREAS, the Prior Trustee was formerly the trustee under the Indenture and BOKF, NA has succeeded the Prior Trustee as Trustee pursuant to Section 8.10 of the Indenture; and

WHEREAS, the Company has heretofore executed and delivered its Supplemental Indenture No. 4, dated as of May 27, 2021, adding to the covenants, conditions and agreements of the Indenture certain additional covenants, conditions and agreements to be observed by the Company, and creating a series of Securities designated "0.703% Senior Notes, Series due May 26, 2023"; and

WHEREAS, Section 2.05 of the Indenture provides that debt securities shall be issued in series and that a Company Order shall specify the terms of each series; and

WHEREAS, the Company has this day delivered a Company Order setting forth the terms of a series of Securities designated "5.45% Senior Notes, Series due May 15, 2029 (hereinafter sometimes referred to as the "Senior Notes due 2029"); and

WHEREAS, Section 12.01 of the Indenture provides that the Company and the Trustee may enter into indentures supplemental thereto for the purposes, among others, of establishing the form of debt securities or establishing or reflecting any terms of any debt security and adding to the covenants of the Company; and

WHEREAS, the execution and delivery of this Supplemental Indenture No. 5 (herein, "this Supplemental Indenture") have been duly authorized by a resolution adopted by the Board of Directors of the Company;

NOW, THEREFORE, THIS INDENTURE WITNESSETH:

That in order to set forth the terms and conditions upon which the Senior Notes due 2029 are, and are to be, authenticated, issued and delivered, and in consideration of the premises of the purchase and acceptance of the Senior Notes due 2029 by the Holders thereof and the sum of one dollar duly paid to it by the Trustee at the execution of this Supplemental Indenture, the receipt whereof is hereby acknowledged, the Company covenants and agrees with the Trustee for the equal and proportionate benefit of the respective Holders from time to time of the Senior Notes due 2029, as follows:

**ARTICLE ONE.  
RELATION TO INDENTURE; DEFINITIONS**

Section 1.01. Integral Part of Indenture. This Supplemental Indenture constitutes an integral part of the Indenture.

Section 1.02. Definitions; References to Articles and Sections; Terms referring to this Supplemental Indenture. For all purposes of this Supplemental Indenture:

- (a) Capitalized terms used herein without definition shall have the meanings specified in the Indenture;
- (b) All references herein to Articles and Sections, unless otherwise specified, refer to the corresponding Articles and Sections of this Supplemental Indenture; and
- (c) The terms “hereof,” “herein,” “hereby,” “hereto,” “hereunder” and “herewith” refer to this Supplemental Indenture.

**ARTICLE TWO.**  
**5.45% SENIOR NOTES, SERIES DUE MAY 15, 2029**

Section 2.01. Designation and Principal Amount. There shall be a series of debt securities designated the “5.45% Senior Notes, Series due May 15, 2029” (the “Senior Notes due 2029”). The Senior Notes due 2029 shall be limited to \$350,000,000 aggregate principal amount, except as provided in Section 2.07 hereof.

Section 2.02. Stated Maturity Date. Except as otherwise provided in Section 2.05 hereof, the principal amount of the Senior Notes due 2029 shall be payable on the stated maturity date of May 15, 2029.

Section 2.03. Interest Payment Dates. The Senior Notes due 2029 shall be dated their date of authentication as provided in the Indenture and shall bear interest from their date at the rate of 5.45% per annum, payable semi-annually in arrears on May 15 and November 15 of each year, commencing November 15, 2024. The Regular Record Dates with respect to such May 15 and November 15 interest payment dates shall be May 1 and November 1, respectively. Principal and interest shall be payable to the persons and in the manner provided in Sections 2.04 and 2.12 of the Indenture.

Section 2.04. Office for Payment. The Senior Notes due 2029 shall be payable at the corporate trust office of the Trustee and at the offices of such paying agents as the Company may appoint by Company Order in the future.

Section 2.05. Redemption Provisions. At any time prior to April 15, 2029 (the date that is one month prior to the maturity date of the Senior Notes (the “Par Call Date”)), the Company, at its option, may redeem the Senior Notes due 2029, in whole or from time to time in part, upon notice as provided in the Indenture, at a “make-whole” redemption price equal to the greater of (i) 100% of the principal amount of the Senior Notes due 2029 being redeemed or (ii) (a) the sum of the present values of the remaining scheduled payments of principal and interest on the Senior Notes being redeemed discounted to the redemption date (assuming the Senior Notes matured on the Par Call Date) on a semi-annual basis (assuming a 360-day year consisting of twelve 30-day months) at the treasury rate (as defined below) plus 15 basis points less (b) interest accrued to the date fixed for redemption, plus, in each case, accrued and unpaid interest thereon to the date fixed for redemption. At any time on or after the Par Call Date, the Company, at its option, may redeem the Senior Notes due 2029, in whole or from time to time in part, upon notice as provided in the Indenture, at a redemption price equal to 100% of the principal amount of the Senior Notes due 2029 being redeemed, plus accrued and unpaid interest thereon to the date fixed for redemption.

“Treasury rate” means, with respect to any redemption date, the yield determined by the Company in accordance with the following two paragraphs.

The treasury rate shall be determined by the Company after 4:15 p.m., New York City time (or after such time as yields on U.S. government securities are posted daily by the Board of Governors of the Federal Reserve System), on the third business day preceding the redemption date based upon the yield or yields for the most recent day that appear after such time on such day in the most recent statistical release published by the Board of Governors of the Federal Reserve System designated as “Selected Interest Rates (Daily)-H.15” (or any successor designation or publication) (“H.15”) under the caption “U.S. government securities-Treasury constant maturities-Nominal” (or any successor caption or heading) (“H.15 TCM”). In determining the treasury rate, the Company shall select, as applicable:

- (1) the yield for the Treasury constant maturity on H.15 exactly equal to the period from the redemption date to the Par Call Date (the “Remaining Life”); or
- (2) if there is no such Treasury constant maturity on H.15 exactly equal to the Remaining Life, the two yields—one yield corresponding to the Treasury constant maturity on H.15 immediately shorter than and one yield corresponding to the Treasury

constant maturity on H.15 immediately longer than the Remaining Life and shall interpolate to the Par Call Date on a straight-line basis (using the actual number of days) using such yields and rounding the result to three decimal places; or

(3) if there is no such Treasury constant maturity on H.15 shorter than or longer than the Remaining Life, the yield for the single Treasury constant maturity on H.15 closest to the Remaining Life. For purposes of this paragraph, the applicable Treasury constant maturity or maturities on H.15 shall be deemed to have a maturity date equal to the relevant number of months or years, as applicable, of such Treasury constant maturity from the redemption date.

If on the third business day preceding the redemption date H.15 TCM is no longer published, the Company shall calculate the treasury rate based on the rate per annum equal to the semi-annual equivalent yield to maturity at 11:00 a.m., New York City time, on the second business day preceding such redemption date of the United States Treasury security maturing on, or with a maturity that is closest to, the Par Call Date, as applicable. If there is no United States Treasury security maturing on the Par Call Date but there are two or more United States Treasury securities with a maturity date equally distant from the Par Call Date, one with a maturity date preceding the Par Call Date and one with a maturity date following the Par Call Date, the Company shall select the United States Treasury security with a maturity date preceding the Par Call Date. If there are two or more United States Treasury securities maturing on the Par Call Date or two or more United States Treasury securities meeting the criteria of the preceding sentence, the Company shall select from among these two or more United States Treasury securities the United States Treasury security that is trading closest to par based upon the average of the bid and asked prices for such United States Treasury securities at 11:00 a.m., New York City time. In determining the treasury rate in accordance with the terms of this paragraph, the semi annual yield to maturity of the applicable United States Treasury security shall be based upon the average of the bid and asked prices (expressed as a percentage of principal amount) at 11:00 a.m., New York City time, of such United States Treasury security, and rounded to three decimal places.

The Company's actions and determinations in determining the redemption price shall be conclusive and binding for all purposes, absent manifest error. The Trustee shall have no responsibility to calculate the redemption price.

The Senior Notes due 2029 shall not be subject to any sinking fund.

Section 2.06. Authorized Denominations. The Senior Notes due 2029 shall be issued in fully registered form without coupons in a minimum denomination of \$2,000 and multiples of \$1,000 in excess thereof.

Section 2.07. Reopening of Series. The Senior Notes due 2029 may be reopened and additional notes of the Senior Notes due 2029 may be issued in excess of the limitation set forth in Section 2.01 hereof, provided that such additional notes will contain the same terms (including the maturity date and interest payment terms) as the other Senior Notes due 2029, except for the issue date, price to public and, if applicable, first date from which interest will accrue and the initial interest payment date. Any such additional Senior Notes due 2029, together with the other Senior Notes due 2029, shall constitute a single series for purposes of the Indenture.

Section 2.08. Form of 5.45% Senior Notes, Series Due May 15, 2029. The Senior Notes due 2029 shall initially be in the form attached as Exhibit A hereto.

### **ARTICLE THREE. AMENDMENTS**

Section 3.01. Recitals of fact, except as stated, are statements of the Company. The recitals of fact herein and in the Senior Note due 2029 (except the Trustee's Certificate) shall be taken as statements of the Company and shall not be construed as made by the Trustee.

Section 3.02. Supplemental Indenture to be construed as a part of the Indenture. This Supplemental Indenture shall be construed in connection with and as a part of the Indenture.

Section 3.03. Trust Indenture Act to control; Severability of provisions contained in Supplemental Indenture and Securities.

(a) If any provision of this Supplemental Indenture limits, qualifies, or conflicts with another provision of the Indenture required to be included in indentures qualified under the Trust Indenture Act of 1939 (as enacted prior to the date of this Supplemental Indenture) by any of the provisions of Sections 310 to 317, inclusive, of said Act, such required provisions shall control.



(b) In case any one or more of the provisions contained in this Supplemental Indenture or in the debt securities issued hereunder should be invalid, illegal, or unenforceable in any respect, the validity, legality and enforceability of the remaining provisions contained herein and therein shall not in any way be affected, impaired, prejudiced or disturbed thereby.

Section 3.04 References to either party in Supplemental Indenture include successors or assigns. Whenever in this Supplemental Indenture either of the parties hereto is named or referred to, this shall be deemed to include the successors or assigns of such party, and all the covenants and agreements in this Supplemental Indenture contained by or on behalf of the Company or by or on behalf of the Trustee shall bind and inure to the benefit of the respective successors and assigns of such parties, whether so expressed or not.

Section 3.05 Provision for execution in counterparts; Table of Contents and descriptive headings of Articles not to affect meaning.

(a) This Supplemental Indenture may be simultaneously executed in several counterparts, and all said counterparts executed and delivered, each as an original, shall constitute but one and the same instrument.

(b) The Table of Contents and the descriptive headings of the several Articles of this Supplemental Indenture were formulated, used and inserted in this Supplemental Indenture for convenience only and shall not be deemed to affect the meaning or construction of any of the provisions hereof.

*[Signature page follows]*

IN WITNESS WHEREOF, OGE ENERGY CORP. has caused this Supplemental Indenture to be signed by its Treasurer, and attested by its Secretary or an Assistant Secretary, and BOKF, N.A., as Trustee, has caused this Supplemental Indenture to be signed by its President, a Senior Vice President, Vice President or an Assistant Vice President, and attested by its Secretary, an Assistant Secretary, a Vice President or an Assistant Vice President, all as of the date first above written.

**OGE ENERGY CORP.**

By: /s/ Charles B. Walworth

Name: Charles B. Walworth

Title: Treasurer

**ATTEST:**

/s/ William H. Sultemeier

Name: William H. Sultemeier

Title: General Counsel, Corporate Secretary and Chief Compliance Officer

**BOKF, NA, as Trustee**

By: /s/ Rachel Redd-Singleton

Name: Rachel Redd-Singleton

Title: Senior Vice President

**ATTEST:**

/s/ Logan B. Moulds

Name: Logan B. Moulds

Title: AVP

*[Signature page to Supplemental Indenture No. 5]*

---

## Form of 5.45% Senior Note, Series due May 15, 2029

REGISTERED

REGISTERED

THIS SECURITY IS A GLOBAL SECURITY REGISTERED IN THE NAME OF THE DEPOSITARY (REFERRED TO HEREIN) OR A NOMINEE THEREOF AND, UNLESS AND UNTIL IT IS EXCHANGED IN WHOLE OR IN PART FOR THE INDIVIDUAL SECURITIES REPRESENTED HEREBY, THIS GLOBAL SECURITY MAY NOT BE TRANSFERRED EXCEPT AS A WHOLE BY THE DEPOSITARY TO A NOMINEE OF THE DEPOSITARY OR BY A NOMINEE OF THE DEPOSITARY TO THE DEPOSITARY OR ANOTHER NOMINEE OF THE DEPOSITARY OR BY THE DEPOSITARY OR ANY SUCH NOMINEE TO A SUCCESSOR DEPOSITARY OR A NOMINEE OF SUCH SUCCESSOR DEPOSITARY. UNLESS THIS GLOBAL SECURITY IS PRESENTED BY AN AUTHORIZED REPRESENTATIVE OF THE DEPOSITARY TRUST COMPANY, TO THE TRUSTEE FOR REGISTRATION OF TRANSFER, EXCHANGE OR PAYMENT, AND ANY CERTIFICATE ISSUED IS REGISTERED IN THE NAME OF CEDE & CO. OR SUCH OTHER NAME AS REQUESTED BY AN AUTHORIZED REPRESENTATIVE OF THE DEPOSITARY TRUST COMPANY AND ANY PAYMENT IS MADE TO CEDE & CO., ANY TRANSFER, PLEDGE OR OTHER USE HEREOF FOR VALUE OR OTHERWISE BY OR TO ANY PERSON IS WRONGFUL SINCE THE REGISTERED OWNER HEREOF, CEDE & CO., HAS AN INTEREST HEREIN.

**OGE ENERGY CORP.****5.45% SENIOR NOTE, SERIES DUE MAY 15, 2029**

CUSIP / ISIN: 670837 AD5 / US670837AD53

NUMBER: R-1

ORIGINAL ISSUE DATE(S):

PRINCIPAL AMOUNT(S):

May 9, 2024

\$350,000,000

INTEREST RATE: 5.45%

MATURITY DATE: May 15, 2029

OGE Energy Corp., a corporation of the State of Oklahoma (the "Company"), for value received hereby promises to pay to Cede & Co. or registered assigns, the principal sum of

THREE HUNDRED FIFTY MILLION DOLLARS

on the Maturity Date set forth above, and to pay interest thereon from the Original Issue Date (or if this Global Security has two or more Original Issue Dates, interest shall, beginning on each such Original Issue Date, begin to accrue for that part of the principal amount to which that Original Issue Date is applicable) set forth above or from the most recent Interest Payment Date to which interest has been paid or duly provided for, semiannually in arrears on May 15 and November 15 of each year, commencing on November 15, 2024, at the per annum Interest Rate set forth above, until the principal hereof is paid or made available for payment. No interest shall accrue on the Maturity Date, so long as the principal amount of this Global Security is paid on the Maturity Date. The interest so payable and punctually paid or duly provided for on any such Interest Payment Date will, as provided in the Indenture, be paid to the Person in whose name this Global Security is registered at the close of business on the Regular Record Date for such interest, which shall be the May 1 and November 1, as the case may be, next preceding such Interest Payment Date, provided that the first Interest Payment Date for any part of this Global Security, the Original Issue Date of which is after a Regular Record Date but prior to the applicable Interest Payment Date, shall be the Interest Payment Date following the next succeeding Regular Record Date; and provided that interest payable on the Maturity Date set forth above or, if applicable, upon redemption, repayment or acceleration, shall be payable to the Person to whom principal shall be payable. Except as otherwise provided in the Indenture (as defined below), any such interest not so punctually paid or duly provided for shall forthwith cease to be payable to the Holder on such Regular Record Date and shall be paid to the Person in whose name this Global Security is registered at the close of business on a Special Record Date for the payment of such defaulted interest to be fixed by the Trustee, notice whereof shall be given to Securityholders not more than fifteen days or fewer than ten days prior to such Special Record Date. On or before 10:00 a.m., New York City time, or such other time as shall be agreed upon between the Trustee and the Depositary, of the day on which such payment of interest is due on this Global Security (other than maturity), the Trustee shall pay to the Depositary such interest in same day funds. On or before 10:00 a.m., New York City time, or such other time as shall be agreed upon between the Trustee and the Depositary, of the day on which principal, interest payable at maturity and premium, if any, is due on this Global Security, the Trustee shall deposit with the Depositary the amount equal to the principal, interest payable at maturity and premium, if any, by wire transfer into the account specified by the Depositary. As a condition to the payment, on the Maturity Date or upon redemption, repayment or acceleration, of any part of the principal and applicable premium of this Global Security, the Depositary shall surrender, or cause to be surrendered, this Global Security to the Trustee, whereupon a new Global Security shall be issued to the Depositary.

This Global Security is a global security in respect of a duly authorized issue of 5.45% Senior Notes, Series due May 15, 2029 (the “Securities of this Series,” which term includes any Global Securities representing such Securities) of the Company issued and to be issued under an Indenture dated as of November 1, 2004 between the Company and BOKF, NA as successor trustee (the “Trustee,” which term includes any subsequent successor Trustee under the Indenture) and indentures supplemental thereto (collectively, the “Indenture”). Under the Indenture, one or more series of debt securities may be issued and, as used herein, the term “Securities” refers to the Securities of this Series and any other outstanding series of Securities. Reference is hereby made to the Indenture for a more complete statement of the respective rights, limitations of rights, duties and immunities under the Indenture of the Company, the Trustee and the Securityholders and of the terms upon which the Securities are and are to be authenticated and delivered. This Global Security has been issued in respect of the series designated on the first page hereof.

Each Security of this Series shall be dated and issued as of the date of its authentication by the Trustee and shall bear an Original Issue Date or Dates. Each Security or Global Security issued upon transfer, exchange or substitution of such Security or Global Security shall bear the Original Issue Date or Dates of such transferred, exchanged or substituted Security or Global Security, as the case may be.

At any time prior to April 15, 2029 (the date that is one month prior to the maturity date of the Securities of this Series (the “Par Call Date”)), the Company, at its option, may redeem this Global Security, in whole or from time to time in part, at a “make-whole” redemption price equal to the greater of: (i) 100% of the principal amount of this Global Security being redeemed or (ii) the sum of the present values of the remaining scheduled payments of principal and interest on this Global Security being redeemed that would be due if the Global Security matured on the Par Call Date (not including any portion of such payments of interest accrued to the date fixed for redemption) discounted to the date fixed for redemption on a semi-annual basis (assuming a 360-day year consisting of twelve 30-day months) at the Treasury Rate (as defined below) plus 15 basis points, plus, in each case, accrued and unpaid interest thereon to the date fixed for redemption. At any time on or after the Par Call Date, the Company, at its option, may redeem this Global Security, in whole or from time to time in part, at a redemption price equal to 100% of the principal amount of this Global Security being redeemed, plus accrued and unpaid interest thereon to the date fixed for redemption.

“Treasury rate” means, with respect to any redemption date, the yield determined by us in accordance with the following two paragraphs.

The treasury rate shall be determined by us after 4:15 p.m., New York City time (or after such time as yields on U.S. government securities are posted daily by the Board of Governors of the Federal Reserve System), on the third business day preceding the redemption date based upon the yield or yields for the most recent day that appear after such time on such day in the most recent statistical release published by the Board of Governors of the Federal Reserve System designated as “Selected Interest Rates (Daily)-H.15” (or any successor designation or publication) (“H.15”) under the caption “U.S. government securities-Treasury constant maturities-Nominal” (or any successor caption or heading) (“H.15 TCM”). In determining the treasury rate, the Company shall select, as applicable:

- (1) the yield for the Treasury constant maturity on H.15 exactly equal to the period from the redemption date to the Par Call Date (the “Remaining Life”); or
- (2) if there is no such Treasury constant maturity on H.15 exactly equal to the Remaining Life, the two yields—one yield corresponding to the Treasury constant maturity on H.15 immediately shorter than and one yield corresponding to the Treasury constant maturity on H.15 immediately longer than the Remaining Life and shall interpolate to the Par Call Date on a straight-line basis (using the actual number of days) using such yields and rounding the result to three decimal places; or
- (3) if there is no such Treasury constant maturity on H.15 shorter than or longer than the Remaining Life, the yield for the single Treasury constant maturity on H.15 closest to the Remaining Life. For purposes of this paragraph, the applicable Treasury constant maturity or maturities on H.15 shall be deemed to have a maturity date equal to the relevant number of months or years, as applicable, of such Treasury constant maturity from the redemption date.

If on the third business day preceding the redemption date H.15 TCM is no longer published, the Company shall calculate the treasury rate based on the rate per annum equal to the semi-annual equivalent yield to maturity at 11:00 a.m., New York City time, on the second business day preceding such redemption date of the United States Treasury security maturing on, or with a maturity that is closest to, the Par Call Date, as applicable. If there is no United States Treasury security maturing on the Par Call Date but there are two or more United States Treasury securities with a maturity date equally distant from the Par Call Date, one with a maturity date preceding the Par Call Date and one with a maturity date following the Par Call Date, the Company shall select the United States Treasury security with a maturity date preceding the Par Call Date. If there are two or more United States Treasury securities maturing on the Par Call Date or two or more United States Treasury securities meeting the criteria of the preceding sentence, the Company shall select from among these two or more United States Treasury securities the United States Treasury security that is trading closest

to par based upon the average of the bid and asked prices for such United States Treasury securities at 11:00 a.m., New York City time. In determining the treasury rate in accordance with the terms of this paragraph, the semi annual yield to maturity of the applicable United States Treasury security shall be based upon the average of the bid and asked prices (expressed as a percentage of principal amount) at 11:00 a.m., New York City time, of such United States Treasury security, and rounded to three decimal places.

The Company's actions and determinations in determining the redemption price shall be conclusive and binding for all purposes, absent manifest error. The Trustee shall have no responsibility to calculate the redemption price.

Notice of redemption will be given by mail to Holders of Securities of this Series not less than 30 or more than 60 days prior to the date fixed for redemption, all as provided in the Indenture. In the event of redemption of this Global Security in part only, a new Global Security or Securities of like tenor and series for the unredeemed interest hereof will be issued in the name of the Securityholder hereof upon the surrender hereof.

Interest payments for this Global Security shall be computed and paid on the basis of a 360-day year of twelve 30-day months. If any Interest Payment Date or date on which the principal of this Global Security is required to be paid is not a Business Day, then payment of principal, premium or interest need not be made on such date but may be made on the next succeeding Business Day with the same force and effect as if made on such Interest Payment Date or date on which the principal of this Global Security is required to be paid and, in the case of timely payment thereof, no interest shall accrue for the period from and after such Interest Payment Date or the date on which the principal of this Global Security is required to be paid.

The Company, at its option, and subject to the terms and conditions provided in the Indenture, will be discharged from any and all obligations in respect of the Securities (except for certain obligations including obligations to register the transfer or exchange of Securities, replace stolen, lost or mutilated Securities, maintain paying agencies and hold monies for payment in trust, all as set forth in the Indenture) if the Company deposits with the Trustee money, U.S. Government Obligations which through the payment of interest thereon and principal thereof in accordance with their terms will provide money, or a combination of money and U.S. Government Obligations, in any event in an amount sufficient, without reinvestment, to pay all the principal of and any premium and interest on the Securities on the dates such payments are due in accordance with the terms of the Securities.

If an Event of Default shall occur and be continuing, the principal of the Securities may be declared due and payable in the manner and with the effect provided in the Indenture.

The Indenture permits, with certain exceptions as therein provided, the amendment thereof and the modifications of the rights and obligations of the Company and the rights of the Securityholders under the Indenture at any time by the Company and the Trustee with the consent of the Holders of not less than a majority in principal amount of the outstanding Securities. Any such consent or waiver by the Holder of this Global Security shall be conclusive and binding upon such Holder and upon all future Holders of this Global Security and of any Security issued upon the registration of transfer hereof or in exchange therefor or in lieu thereof whether or not notation of such consent or waiver is made upon the Security.

As set forth in and subject to the provisions of the Indenture, no Holder of any Securities will have any right to institute any proceeding with respect to the Indenture or for any remedy thereunder unless such Holder shall have previously given to the Trustee written notice of a continuing Event of Default with respect to such Securities, the Holders of not less than a majority in principal amount of the outstanding Securities affected by such Event of Default shall have made written request and offered reasonable indemnity to the Trustee to institute such proceeding as Trustee and the Trustee shall have failed to institute such proceeding within 60 days; provided that such limitations do not apply to a suit instituted by the Holder hereof for the enforcement of payment of the principal of and any premium or interest on this Global Security on or after the respective due dates expressed here.

No reference herein to the Indenture and to provisions of this Global Security or of the Indenture shall alter or impair the obligation of the Company, which is absolute and unconditional, to pay the principal of and any premium and interest on this Global Security at the times, places and rates and the coin or currency prescribed in the Indenture.

As provided in the Indenture and subject to certain limitations therein set forth, this Global Security may be transferred only as permitted by the legend hereto.

If at any time the Depositary for this Global Security notifies the Company that it is unwilling or unable to continue as Depositary for this Global Security or if at any time the Depositary for this Global Security shall no longer be eligible or in good standing under the Securities Exchange Act of 1934, as amended, or other applicable statute or regulation, the Company shall appoint a successor Depositary with respect to this Global Security. If a successor Depositary for this Global Security is not appointed by the Company within 90 days after the Company receives such notice or becomes aware of such ineligibility, the Company's election to issue this Security in global form shall no longer be effective with respect to this Global Security and the Company will execute, and the Trustee,

upon receipt of a Company Order for the authentication and delivery of individual Securities of this Series in exchange for this Global Security, will authenticate and deliver individual Securities of this Series of like tenor and terms in definitive form in an aggregate principal amount equal to the principal amount of this Global Security.

The Company may at any time and in its sole discretion determine that all Securities of this Series (but not less than all) issued or issuable in the form of one or more Global Securities shall no longer be represented by such Global Security or Securities. In such event, the Company shall execute, and the Trustee, upon receipt of a Company Order for the authentication and delivery of individual Securities of this Series in exchange for such Global Security, shall authenticate and deliver, individual Securities of this Series of like tenor and terms in definitive form in an aggregate principal amount equal to the principal amount of such Global Security or Securities in exchange for such Global Security or Securities.

Under certain circumstances specified in the Indenture, the Depositary may be required to surrender any two or more Global Securities which have identical terms (but which may have differing Original Issue Dates) to the Trustee, and the Company shall execute and the Trustee shall authenticate and deliver to, or at the direction of, the Depositary a Global Security in principal amount equal to the aggregate principal amount of, and with all terms identical to, the Global Securities surrendered thereto and that shall indicate all Original Issue Dates and the principal amount applicable to each such Original Issue Date.

The Indenture and the Securities shall be governed by, and construed in accordance with, the laws of the State of Oklahoma.

Unless the certificate of authentication hereon has been executed by the Trustee, directly or through an Authenticating Agent by manual signature of an authorized signatory, this Global Security shall not be entitled to any benefit under the Indenture or be valid or obligatory for any purpose.

All terms used in this Global Security which are defined in the Indenture shall have the meanings assigned to them in the Indenture unless otherwise indicated herein.

*[Signature page follows.]*

IN WITNESS WHEREOF, the Company has caused this instrument to be duly executed.

**OGE ENERGY CORP.**

By: \_\_\_\_\_

Attest: \_\_\_\_\_

Dated:

**TRUSTEE'S CERTIFICATE OF AUTHENTICATION**

This Global Security is one of the Securities of the series herein designated, described or provided for in the within-mentioned Indenture.

**BOKF, NA, as Trustee**

By: \_\_\_\_\_  
Authorized Officer

**ABBREVIATIONS**

The following abbreviations, when used in the inscription on the face of this instrument, shall be construed as though they were written out in full according to applicable laws or regulations.

TEN COM - as tenants in common

UNIF GIFT  
MIN ACT - \_\_\_\_\_ Custodian \_\_\_\_\_  
(Cust) (Minor)

TEN ENT - as tenants by the entireties

Under Uniform Gifts to Minors

JT TEN - as joint tenants with right of survivorship and not as tenants in common

\_\_\_\_\_  
State

Additional abbreviations may also be used though not in the above list.

\_\_\_\_\_  
FOR VALUE RECEIVED the undersigned hereby sell(s), assign(s) and transfer(s) unto

PLEASE INSERT SOCIAL SECURITY OR OTHER IDENTIFYING NUMBER OF ASSIGNEE

\_\_\_\_\_  
Please print or typewrite name and address including postal zip code of assignee

\_\_\_\_\_  
the within debt security and all rights thereunder, hereby irrevocably constituting and appointing attorney to transfer said debt security on the books of the Company, with full power of substitution in the premises.

Dated \_\_\_\_\_

\_\_\_\_\_  
NOTICE: The signature to this assignment must correspond with the name as written upon the face of the within instrument in every particular, without alteration or enlargement or any change whatever.



Signature Guaranteed By:

---

(Name of Eligible Guarantor Institution as defined by  
SEC Rule 17 Ad-15 (17 CFR 240.17 Ad-15))

By: \_\_\_\_\_

Name:

Title:

A-7

---

[GableGotwals Letterhead]

May 9, 2024

OGE Energy Corp.  
321 N. Harvey  
Oklahoma City, Oklahoma 73101

Re: OGE Energy Corp. 5.45% Senior Notes, Series due May 15, 2029

Ladies and Gentlemen:

We have acted as special Oklahoma counsel to OGE Energy Corp., an Oklahoma corporation (the "**Company**"), in connection with the issuance and sale by the Company of \$350,000,000 aggregate principal amount of its 5.45% Senior Notes, Series due May 15, 2029 (the "**Senior Notes**"), issued pursuant to the Prospectus Supplement, dated May 6, 2024 (the "**Prospectus Supplement**") and filed with the United States Securities and Exchange Commission (the "**SEC**") on May 7, 2024, and the Prospectus dated May 2, 2024, filed as part of the shelf registration statement (File No. 333-279061) that automatically became effective under the Securities Act of 1933, as amended (including the rules and regulations thereunder, the "**Act**"), when filed with the SEC on May 2, 2024 (the "**Registration Statement**").

The Senior Notes were issued under the Indenture dated as of November 1, 2004 (the "**Base Indenture**") between the Company and BOKF, NA, as successor trustee (the "**Trustee**"), as supplemented five times, most recently by the Supplemental Indenture No. 5 thereto dated as of May 9, 2024 (the Base Indenture, as so supplemented, the "**Indenture**"), and will be sold to the underwriters (the "**Underwriters**") under the Underwriting Agreement dated May 6, 2024 (the "**Underwriting Agreement**") among the Company and J.P. Morgan Securities LLC, MUFG Securities Americas Inc., and U.S. Bancorp Investments, Inc., as representatives of the Underwriters.

In rendering this opinion, we have examined and relied on the Registration Statement, the Indenture, the form of the Senior Notes and such corporate records and other documents, and we have reviewed such matters of law, as we have deemed necessary or appropriate. We have also conducted such investigations of fact and law as we have deemed necessary or advisable for purposes of this letter. In rendering this opinion, we have, with your consent, relied upon oral and written representations of officers of the Company and certificates of officers of the Company and public officials with respect to the accuracy of the factual matters addressed in such representations and certificates. In addition, in rendering this opinion we have, with your consent, assumed (a) the authenticity of original documents and the genuineness of all signatures, (b) the conformity to the originals of all documents submitted to us as copies, (c) each natural person signing any document reviewed by us had the legal capacity to do so, (d) each person signing in a representative capacity any document reviewed by us had authority to sign in such capacity, (e) the truth, accuracy and completeness of the information, representations and warranties contained in the records, documents, instruments and certificates we have reviewed, (f) that all Senior Notes will be issued and sold in compliance with applicable federal and state securities laws, including applicable provisions of "blue sky" laws, and in the manner stated in the Registration Statement and the Prospectus Supplement, (g) each of the Senior Notes have been or will be duly authenticated and delivered by the Trustee against payment therefore in accordance with the provisions of the Transaction Documents (as defined below), and (h) the organizational documents of the Company, each as amended to the date hereof, will not have been amended from the date hereof in a manner that would affect the validity of the opinion rendered herein.

We have also assumed that the execution, delivery and performance of the Underwriting Agreement, Indenture and the Senior Notes (collectively, the "**Transaction Documents**") will not (a) violate, conflict with or result in a breach of, or require any consent under, the charters, bylaws or equivalent organizational documents of any party to such documents or the laws of the jurisdictions of organization or other applicable laws with respect to such parties, (b) violate any requirement or restriction imposed by any order, writ, judgment, injunction, decree, determination or award of any court or governmental body having jurisdiction over any party to such documents or any of their respective assets or (c) constitute a breach or violation of any agreement or instrument that is binding on any party to the Transaction Documents. We have also assumed that each party to the Transaction Documents other than the Company (in the case of parties that are not natural persons) has been duly organized and is validly existing and in good standing under its jurisdiction of organization, that each such party (other than, with respect to the Senior Notes, the Company) has the legal capacity, power and authority (corporate or otherwise) to enter into, deliver and perform its obligations thereunder and that each of the Transaction Documents (other than, with respect to the Company, the Senior Notes) constitutes the valid and legally binding obligation of all such parties, enforceable against them in accordance with its terms. As to any facts material to the opinions expressed herein that we did not independently establish or verify, we have relied upon statements and representations of officers and other representatives of the Company and others.

---

Based on the foregoing, and subject to the qualifications and limitations stated herein, we are of the opinion that the Senior Notes will be the valid and binding obligations of the Company, enforceable against the Company in accordance with their respective terms.

The opinion set forth above is subject to the effects of (a) bankruptcy, insolvency, fraudulent conveyance, reorganization, moratorium and other similar laws relating to or affecting the enforcement of creditors' rights generally, (b) general equitable principles (including, without limitation, concepts of materiality, reasonableness, good faith and fair dealing) regardless of whether considered in a proceeding in equity or at law, (c) applicable law and public policy with respect to rights to indemnity and contribution, (d) an implied covenant of good faith and fair dealing, (e) provisions of law that require that a judgment for money damages rendered by a court in the United States be expressed only in United States dollars, (f) limitations by any governmental authority that limit, delay or prohibit the making of payments outside the United States and (g) generally applicable laws that (i) provide for the enforcement of oral waivers or modifications where a material change of position in reliance thereon has occurred or provide that a course of performance may operate as a waiver, (ii) limit the availability of a remedy under certain circumstances where another remedy has been elected, (iii) limit the enforceability of provisions releasing, exculpating or exempting a party from, or requiring indemnification or contribution of a party for, liability for its own action or inaction, to the extent the action or inaction involves negligence, gross negligence, recklessness, willful misconduct or unlawful conduct, (iv) may, where less than all of a contract may be unenforceable, limit the enforceability of the balance of the contract to circumstances in which the unenforceable portion is not an essential part of the agreed exchange, (v) may limit the enforceability of provisions providing for compounded interest, imposing increased interest rates or late payment charges upon delinquency in payment or default or providing for liquidated damages or for premiums or penalties upon acceleration and (vi) limit the waiver of rights under usury laws. We express no opinion as to whether, or the extent to which, the laws of any particular jurisdiction apply to the subject matter hereof, including, without limitation, the enforceability of the governing law provision contained in the Senior Notes or the Indenture. Furthermore, the manner in which any particular issue relating to the opinions would be treated in any actual court case would depend in part on facts and circumstances particular to the case and would also depend on how the court involved chose to exercise the wide discretionary authority generally available to it. We express no opinion as to the effect of Section 210(p) of the Dodd-Frank Wall Street Reform and Consumer Protection Act.

This opinion is limited to the laws of the State Oklahoma. We express no opinion as to the laws of any other jurisdiction, including without limitation the federal laws of the United States. The opinions expressed herein are as of the date hereof only and are based on laws, orders, contract terms and provisions, and facts as of such date, and we disclaim any obligation to update this opinion letter after such date or to advise you of changes of facts stated or assumed herein or any subsequent changes in law.

We hereby consent to the filing of this opinion as Exhibit 5.01 to the Current Report on Form 8-K dated the date hereof and incorporated by reference into the Registration Statement and to the reference to us with respect to this opinion under the caption of "Legal Opinions" in the prospectus constituting a part of the Registration Statement. In giving such consent, we do not thereby admit that we are included in the category of persons whose consent is required under Section 7 of the Act or the rules and regulations of the Commission promulgated thereunder.

Very truly yours,

/s/ GableGotwals

---

