

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). ▶ Complete all entries in accordance with the instructions to the Form 5500.	OMB Nos. 1210-0110 1210-0089 2023 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information
For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023	
A	This return/report is for: ☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must provide participating employer information in accordance with the form instructions.) ☒ a single-employer plan ☐ a DFE (specify) _____ ☐ the first return/report ☐ the final return/report ☐ an amended return/report ☐ a short plan year return/report (less than 12 months)
C	If the plan is a collectively-bargained plan, check here. ▶ ☐
D	Check box if filing under: ☒ Form 5558 ☐ automatic extension ☐ the DFVC program ☐ special extension (enter description)
E	If this is a retroactively adopted plan permitted by SECURE Act section 201, check here. ▶ ☐

Part II	Basic Plan Information—enter all requested information
1a	Name of plan ATMOS ENERGY CORPORATION RETIREMENT SAVINGS PLAN AND TRUST
1b	Three-digit plan number (PN) ▶ 002
1c	Effective date of plan 02/15/1984
2a	Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) ATMOS ENERGY CORPORATION 5430 LBJ FREEWAY THREE LINCOLN CENTER, STE 160 DALLAS, TX 75240
2b	Employer Identification Number (EIN) 75-1743247
2c	Plan Sponsor's telephone number 972-855-3324
2d	Business code (see instructions) 221210

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE	Filed with authorized/valid electronic signature.	10/10/2024	MICHELLE FAULK
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

3a Plan administrator's name and address ☐ Same as Plan Sponsor ATMOS ENERGY CORP. QUALIFIED RETIREMENT PLANS & TRUSTS COMMITTEE 5430 LBJ FREEWAY THREE LINCOLN CENTER, STE 160 DALLAS, TX 75240	3b Administrator's EIN 75-1984576																						
	3c Administrator's telephone number 972-855-3324																						
4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report: a Sponsor's name c Plan Name	4b EIN 4d PN																						
5 Total number of participants at the beginning of the plan year	5 5857																						
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d). a(1) Total number of active participants at the beginning of the plan year a(2) Total number of active participants at the end of the plan year b Retired or separated participants receiving benefits c Other retired or separated participants entitled to future benefits d Subtotal. Add lines 6a(2) , 6b , and 6c e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits f Total. Add lines 6d and 6e g(1) Number of participants with account balances as of the beginning of the plan year (only defined contribution plans complete this item) g(2) Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item) h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td colspan="2" style="height: 20px;"></td></tr> <tr><td style="width: 15%;">6a(1)</td><td style="text-align: right;">4812</td></tr> <tr><td>6a(2)</td><td style="text-align: right;">5016</td></tr> <tr><td>6b</td><td style="text-align: right;">300</td></tr> <tr><td>6c</td><td style="text-align: right;">696</td></tr> <tr><td>6d</td><td style="text-align: right;">6012</td></tr> <tr><td>6e</td><td style="text-align: right;">71</td></tr> <tr><td>6f</td><td style="text-align: right;">6083</td></tr> <tr><td>6g(1)</td><td style="text-align: right;">5675</td></tr> <tr><td>6g(2)</td><td style="text-align: right;">5935</td></tr> <tr><td>6h</td><td style="text-align: right;">222</td></tr> </table>			6a(1)	4812	6a(2)	5016	6b	300	6c	696	6d	6012	6e	71	6f	6083	6g(1)	5675	6g(2)	5935	6h	222
6a(1)	4812																						
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6e	71																						
6f	6083																						
6g(1)	5675																						
6g(2)	5935																						
6h	222																						
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)	7																						

8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions:

2E 2F 2G 2J 2K 2O 2S 2T

b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:

9a Plan funding arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor	9b Plan benefit arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor
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10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)

a Pension Schedules

- (1)** ☒ **R** (Retirement Plan Information)
- (2)** ☐ **MB** (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary
- (3)** ☐ **SB** (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary
- (4)** ☐ **DCG** (Individual Plan Information) – Number Attached _____
- (5)** ☐ **MEP** (Multiple-Employer Retirement Plan Information)

b General Schedules

- (1)** ☒ **H** (Financial Information)
- (2)** ☐ **I** (Financial Information – Small Plan)
- (3)** ☐ **A** (Insurance Information) – Number Attached 0
- (4)** ☒ **C** (Service Provider Information)
- (5)** ☒ **D** (DFE/Participating Plan Information)
- (6)** ☐ **G** (Financial Transaction Schedules)

Part III Form M-1 Compliance Information (to be completed by welfare benefit plans)

11a If the plan provides welfare benefits, was the plan subject to the Form M-1 filing requirements during the plan year? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

If "Yes" is checked, complete lines 11b and 11c.

11b Is the plan currently in compliance with the Form M-1 filing requirements? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

11c Enter the Receipt Confirmation Code for the 2023 Form M-1 annual report. If the plan was not required to file the 2023 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____

SCHEDULE C (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Service Provider Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110
		2023
		This Form is Open to Public Inspection.

For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023

A Name of plan ATMOS ENERGY CORPORATION RETIREMENT SAVINGS PLAN AND TRUST	B Three-digit plan number (PN) ▶ 002
C Plan sponsor's name as shown on line 2a of Form 5500 ATMOS ENERGY CORPORATION	D Employer Identification Number (EIN) 75-1743247

Part I

Service Provider Information (see instructions)

You must complete this Part, in accordance with the instructions, to report the information required for **each person** who received, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of monetary value) in connection with services rendered to the plan or the person's position with the plan during the plan year. If a person received **only** eligible indirect compensation for which the plan received the required disclosures, you are required to answer line 1 but are not required to include that person when completing the remainder of this Part.

1 Information on Persons Receiving Only Eligible Indirect Compensation

- a Check "Yes" or "No" to indicate whether you are excluding a person from the remainder of this Part because they received only eligible indirect compensation for which the plan received the required disclosures (see instructions for definitions and conditions).. ☐ Yes ☒ No
- b If you answered line 1a "Yes," enter the name and EIN or address of each person providing the required disclosures for the service providers who received only eligible indirect compensation. Complete as many entries as needed (see instructions).

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

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2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

GUIDED CHOICE

77-0514963

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
26	INVESTMENT ADVISORY	162045	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

T. ROWE PRICE

52-1481931

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
15 37 49	RECORDKEEPER /CUSTODIAN	141926	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	

Part II Service Providers Who Fail or Refuse to Provide Information

4 Provide, to the extent possible, the following information for each service provider who failed or refused to provide the information necessary to complete this Schedule.

(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide

Part III Termination Information on Accountants and Enrolled Actuaries (see instructions)
(complete as many entries as needed)

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

SCHEDULE D (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration		DFE/Participating Plan Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500.		OMB No. 1210-0110 2023 This Form is Open to Public Inspection.	
For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023					
A Name of plan ATMOS ENERGY CORPORATION RETIREMENT SAVINGS PLAN AND TRUST				B Three-digit plan number (PN) ▶ 002	
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 ATMOS ENERGY CORPORATION				D Employer Identification Number (EIN) 75-1743247	
Part I Information on interests in MTIAs, CCTs, PSAs, and 103-12 IEs (to be completed by plans and DFEs) (Complete as many entries as needed to report all interests in DFEs)					
a Name of MTIA, CCT, PSA, or 103-12 IE: TRP STABLE VALUE COMMON TRUST FUND					
b Name of sponsor of entity listed in (a): T. ROWE PRICE TRUST COMPANY					
c EIN-PN 52-1309931-001		d Entity code C		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 41655458	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
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c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
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a Name of MTIA, CCT, PSA, or 103-12 IE:					
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103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)

Part II Information on Participating Plans (to be completed by DFEs, other than DCGs)

(Complete as many entries as needed to report all participating plans. DCGs must report each participating plan using Schedule DCG.)

a Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
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plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN

SCHEDULE H (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Financial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110
		2023
		This Form is Open to Public Inspection

For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023		
A Name of plan ATMOS ENERGY CORPORATION RETIREMENT SAVINGS PLAN AND TRUST	B Three-digit plan number (PN) ▶	002
C Plan sponsor's name as shown on line 2a of Form 5500 ATMOS ENERGY CORPORATION	D Employer Identification Number (EIN) 75-1743247	

Part I	Asset and Liability Statement
---------------	--------------------------------------

1 Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. **Round off amounts to the nearest dollar.** MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.

Assets		(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash	1a		
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions	1b(1)	7248173	8299331
(2) Participant contributions	1b(2)	1210742	1321805
(3) Other	1b(3)	9129	23232
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit)	1c(1)		
(2) U.S. Government securities	1c(2)		
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)		
(B) All other	1c(3)(B)		
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)		
(B) Common	1c(4)(B)		
(5) Partnership/joint venture interests	1c(5)		
(6) Real estate (other than employer real property)	1c(6)		
(7) Loans (other than to participants)	1c(7)		
(8) Participant loans	1c(8)	15914427	16850536
(9) Value of interest in common/collective trusts	1c(9)	65567979	41655458
(10) Value of interest in pooled separate accounts	1c(10)		
(11) Value of interest in master trust investment accounts	1c(11)		
(12) Value of interest in 103-12 investment entities	1c(12)		
(13) Value of interest in registered investment companies (e.g., mutual funds)	1c(13)	590925992	714626383
(14) Value of funds held in insurance company general account (unallocated contracts)	1c(14)		
(15) Other	1c(15)		

1d Employer-related investments:		(a) Beginning of Year	(b) End of Year
(1) Employer securities	1d(1)	250331115	239427786
(2) Employer real property	1d(2)		
e Buildings and other property used in plan operation	1e		
f Total assets (add all amounts in lines 1a through 1e)	1f	931207557	1022204531
Liabilities			
g Benefit claims payable	1g		
h Operating payables	1h	45812	0
i Acquisition indebtedness	1i		
j Other liabilities	1j		
k Total liabilities (add all amounts in lines 1g through 1j)	1k	45812	0
Net Assets			
l Net assets (subtract line 1k from line 1f)	1l	931161745	1022204531

Part II Income and Expense Statement

2 Plan income, expenses, and changes in net assets for the year. Include all income and expenses of the plan, including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 2a, 2b(1)(E), 2e, 2f, and 2g.

Income		(a) Amount	(b) Total
a Contributions:			
(1) Received or receivable in cash from: (A) Employers	2a(1)(A)	24394434	
(B) Participants	2a(1)(B)	35960622	
(C) Others (including rollovers)	2a(1)(C)	2280142	
(2) Noncash contributions	2a(2)		
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		62635198
b Earnings on investments:			
(1) Interest:			
(A) Interest-bearing cash (including money market accounts and certificates of deposit)	2b(1)(A)		
(B) U.S. Government securities	2b(1)(B)		
(C) Corporate debt instruments	2b(1)(C)		
(D) Loans (other than to participants)	2b(1)(D)		
(E) Participant loans	2b(1)(E)	1139698	
(F) Other	2b(1)(F)		
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		1139698
(2) Dividends: (A) Preferred stock	2b(2)(A)		
(B) Common stock	2b(2)(B)	6470607	
(C) Registered investment company shares (e.g. mutual funds)	2b(2)(C)	23929177	
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		30399784
(3) Rents	2b(3)		
(4) Net gain (loss) on sale of assets: (A) Aggregate proceeds	2b(4)(A)		
(B) Aggregate carrying amount (see instructions)	2b(4)(B)		
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)		
(5) Unrealized appreciation (depreciation) of assets: (A) Real estate	2b(5)(A)		
(B) Other	2b(5)(B)		
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)		

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts.....	2b(6)		1220663
(7) Net investment gain (loss) from pooled separate accounts.....	2b(7)		
(8) Net investment gain (loss) from master trust investment accounts.....	2b(8)		
(9) Net investment gain (loss) from 103-12 investment entities.....	2b(9)		
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds)	2b(10)		102388988
c Other income	2c		
d Total income. Add all income amounts in column (b) and enter total	2d		197784331

Expenses

e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	106483839	
(2) To insurance carriers for the provision of benefits.....	2e(2)		
(3) Other	2e(3)		
(4) Total benefit payments. Add lines 2e(1) through (3)	2e(4)		106483839
f Corrective distributions (see instructions)	2f		
g Certain deemed distributions of participant loans (see instructions)	2g		
h Interest expense	2h		
i Administrative expenses:			
(1) Salaries and allowances	2i(1)		
(2) Contract administrator fees.....	2i(2)		
(3) Recordkeeping fees.....	2i(3)	41916	
(4) IQPA audit fees.....	2i(4)		
(5) Investment advisory and investment management fees	2i(5)	162045	
(6) Bank or trust company trustee/custodial fees	2i(6)		
(7) Actuarial fees	2i(7)		
(8) Legal fees	2i(8)		
(9) Valuation/appraisal fees	2i(9)		
(10) Other trustee fees and expenses	2i(10)		
(11) Other expenses	2i(11)	53745	
(12) Total administrative expenses. Add lines 2i(1) through (11)	2i(12)		257706
j Total expenses. Add all expense amounts in column (b) and enter total	2j		106741545

Net Income and Reconciliation

k Net income (loss). Subtract line 2j from line 2d	2k		91042786
l Transfers of assets:			
(1) To this plan	2l(1)		
(2) From this plan	2l(2)		

Part III Accountant's Opinion

3 Complete lines 3a through 3c if the opinion of an independent qualified public accountant is attached to this Form 5500. Complete line 3d if an opinion is not attached.

a The attached opinion of an independent qualified public accountant for this plan is (see instructions):

(1) ☒ Unmodified (2) ☐ Qualified (3) ☐ Disclaimer (4) ☐ Adverse

b Check the appropriate box(es) to indicate whether the IQPA performed an ERISA section 103(a)(3)(C) audit. Check both boxes (1) and (2) if the audit was performed pursuant to both 29 CFR 2520.103-8 and 29 CFR 2520.103-12(d). Check box (3) if pursuant to neither.

(1) ☐ DOL Regulation 2520.103-8 (2) ☐ DOL Regulation 2520.103-12(d) (3) ☒ neither DOL Regulation 2520.103-8 nor DOL Regulation 2520.103-12(d).

c Enter the name and EIN of the accountant (or accounting firm) below:

(1) Name: **WHITLEY PENN LLP**

(2) EIN: **75-2393478**

d The opinion of an independent qualified public accountant is **not attached** as part of Schedule H because:

(1) ☐ This form is filed for a CCT, PSA, DCG or MTIA. (2) ☐ It will be attached to the next Form 5500 pursuant to 29 CFR 2520.104-50.

Part IV Compliance Questions

4 CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l. DCGs do not complete lines 4e, 4f, 4k, 4l, and 5, and DCGs generally complete the rest of Part IV collectively for all plans in the DCG, except as otherwise provided (see instructions).

During the plan year:

	Yes	No	Amount
a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.)		☒	
b Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.)		☒	
c Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)		☒	
d Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.)		☒	
e Was this plan covered by a fidelity bond?	☒		1000000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?		☒	
g Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?		☒	
h Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?		☒	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	☒		
j Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked and see instructions for format requirements.)		☒	
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?		☒	
l Has the plan failed to provide any benefit when due under the plan?		☒	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)		☒	
n If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.			

5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year? ☐ Yes ☒ No
If "Yes," enter the amount of any plan assets that reverted to the employer this year _____.

5b If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

5b(1) Name of plan(s)	5b(2) EIN(s)	5b(3) PN(s)

5c Was the plan a defined benefit plan covered under the PBGC insurance program at any time during this plan year? (See ERISA section 4021 and instructions.) ☐ Yes ☐ No ☐ Not determined

If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year _____.

SCHEDULE R (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Retirement Plan Information This schedule is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110 2023 This Form is Open to Public Inspection.
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For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023		
A Name of plan ATMOS ENERGY CORPORATION RETIREMENT SAVINGS PLAN AND TRUST	B Three-digit plan number (PN) ▶	002
C Plan sponsor's name as shown on line 2a of Form 5500 ATMOS ENERGY CORPORATION	D Employer Identification Number (EIN) 75-1743247	

Part I	Distributions
--------	---------------

All references to distributions relate only to payments of benefits during the plan year.

1	Total value of distributions paid in property other than in cash or the forms of property specified in the instructions.....	1	0
2	Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits): EIN(s): 52-1714114		
Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.			
3	Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year	3	

Part II	Funding Information (If the plan is not subject to the minimum funding requirements of section 412 of the Internal Revenue Code or ERISA section 302, skip this Part.)
---------	--

4	Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)?	☐ Yes	☐ No	☐ N/A
If the plan is a defined benefit plan, go to line 8.				
5	If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. Date: Month _____ Day _____ Year _____ If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.			
6	a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived)	6a		
	b Enter the amount contributed by the employer to the plan for this plan year	6b		
	c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount)	6c		
If you completed line 6c, skip lines 8 and 9.				
7	Will the minimum funding amount reported on line 6c be met by the funding deadline?	☐ Yes	☐ No	☐ N/A
8	If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change?	☐ Yes	☐ No	☐ N/A

Part III	Amendments
----------	------------

9	If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box.	☐ Increase	☐ Decrease	☐ Both	☐ No
---	--	-----------------------------------	-----------------------------------	-------------------------------	-----------------------------

Part IV	ESOPs (see instructions). If this is not a plan described under section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.
---------	--

10	Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan?	☐ Yes	☐ No
11	a Does the ESOP hold any preferred stock?	☐ Yes	☐ No
	b If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.)	☐ Yes	☐ No
12	Does the ESOP hold any stock that is not readily tradable on an established securities market?	☐ Yes	☐ No

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that (1) contributed more than 5% of total contributions to the plan during the plan year or (2) was one of the top-ten highest contributors (measured in dollars). See instructions. *Complete as many entries as needed to report all applicable employers.*

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

14 Enter the number of deferred vested and retired participants (inactive participants), as of the beginning of the plan year, whose contributing employer is no longer making contributions to the plan for:

a The current plan year. Check the box to indicate the counting method used to determine the number of inactive participants: ☐ last contributing employer ☐ alternative ☐ reasonable approximation (see instructions for required attachment)

14a

b The plan year immediately preceding the current plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)

14b

c The second preceding plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)

14c

15 Enter the ratio of the number of participants under the plan on whose behalf no employer had an obligation to make an employer contribution during the current plan year to:

a The corresponding number for the plan year immediately preceding the current plan year

15a

b The corresponding number for the second preceding plan year

15b

16 Information with respect to any employers who withdrew from the plan during the preceding plan year:

a Enter the number of employers who withdrew during the preceding plan year

16a

b If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers

16b

17 If assets and liabilities from another plan have been transferred to or merged with this plan during the plan year, check box and see instructions regarding supplemental information to be included as an attachment..... ☐

Part VI Additional Information for Single-Employer and Multiemployer Defined Benefit Pension Plans

18 If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment..... ☐

19 If the total number of participants is 1,000 or more, complete lines (a) and (b):

a Enter the percentage of plan assets held as:

Public Equity: _____% Private Equity: _____% Investment-Grade Debt and Interest Rate Hedging Assets: _____%

High-Yield Debt: _____% Real Assets: _____% Cash or Cash Equivalents: _____% Other: _____%

b Provide the average duration of the Investment-Grade Debt and Interest Rate Hedging Assets:

☐ 0-5 years ☐ 5-10 years ☐ 10-15 years ☐ 15 years or more

20 PBGC missed contribution reporting requirements. If this is a multiemployer plan or a single-employer plan that is not covered by PBGC, skip line 20.

a Is the amount of unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40 greater than zero? ☐ Yes ☐ No

b If line 20a is "Yes," has PBGC been notified as required by ERISA sections 4043(c)(5) and/or 303(k)(4)? Check the applicable box:

☐ Yes.

☐ No. Reporting was waived under 29 CFR 4043.25(c)(2) because contributions equal to or exceeding the unpaid minimum required contribution were made by the 30th day after the due date.

☐ No. The 30-day period referenced in 29 CFR 4043.25(c)(2) has not yet ended, and the sponsor intends to make a contribution equal to or exceeding the unpaid minimum required contribution by the 30th day after the due date.

☐ No. Other. Provide explanation. _____

Part VII IRS Compliance Questions

21a Does the plan satisfy the coverage and nondiscrimination tests of Code sections 410(b) and 401(a)(4) by combining this plan with any other plans under the permissive aggregation rules? ☐ Yes ☒ No

21b If this is a Code section 401(k) plan, check all boxes that apply to indicate how the plan is intended to satisfy the nondiscrimination requirements for employee deferrals and employer matching contributions (as applicable) under Code sections 401(k)(3) and 401(m)(2).

☒ Design-based safe harbor method

☐ "Prior year" ADP test

☐ "Current year" ADP test

☐ N/A

22 If the plan sponsor is an adopter of a pre-approved plan that received a favorable IRS Opinion Letter, enter the date of the Opinion Letter ____/____/____ (MM/DD/YYYY) and the Opinion Letter serial number _____.

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

FORM 11-K

**FOR ANNUAL REPORTS OF EMPLOYEE STOCK PURCHASE, SAVINGS
AND SIMILAR PLANS PURSUANT TO SECTION 15(d) OF
THE SECURITIES EXCHANGE ACT OF 1934**

(Mark One)

☒ **ANNUAL REPORT PURSUANT TO SECTION 15(d) OF THE SECURITIES
EXCHANGE ACT OF 1934**

For the fiscal year ended December 31, 2023

OR

☐ **TRANSITION REPORT PURSUANT TO SECTION 15(d) OF THE SECURITIES
EXCHANGE ACT OF 1934**

For the transition period from _____ to _____

Commission File Number 33-57687

**ATMOS ENERGY CORPORATION RETIREMENT
SAVINGS PLAN AND TRUST**

(Full title of the plan and the address of the
plan, if different from that of the issuer named below)

**ATMOS ENERGY CORPORATION
Three Lincoln Centre, Suite 1800
5430 LBJ Freeway
Dallas, Texas 75240**

(Name of issuer of the securities held pursuant to the plan and the
address of its principal executive office)

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REPORT OF INDEPENDENT AUDITORS

To the Participants and the Qualified Retirement Plans and Trusts Committee of the
Atmos Energy Corporation Retirement Savings Plan and Trust

Opinion

We have audited the financial statements of the Atmos Energy Corporation Retirement Savings Plan and Trust (the “Plan”), an employee benefit plan subject to the Employee Retirement Income Security Act of 1974 (“ERISA”), which comprise the statements of net assets available for benefits as of December 31, 2023 and 2022, and the related statement of changes in net assets available for benefits for the year ended December 31, 2023, and the related notes to the financial statements.

In our opinion, the accompanying financial statements present fairly, in all material respects, the net assets available for benefits of the Plan as of December 31, 2023 and 2022, and the changes in net assets available for benefits for the year ended December 31, 2023, in accordance with accounting principles generally accepted in the United States of America (“U.S. GAAP”).

Basis for Opinion

We conducted our audits in accordance with auditing standards generally accepted in the United States of America (“GAAS”). Our responsibilities under those standards are further described in the Auditor’s Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of the Plan and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audits. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with U.S. GAAP, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan’s ability to continue as a going concern for one year after the date that the financial statements are issued.

Management is also responsible for maintaining a current Plan instrument, including all Plan amendments, administering the Plan, and determining that the Plan’s transactions that are presented and disclosed in the financial statements are in conformity with the Plan’s provisions, including maintaining sufficient records with respect to each of the participants, to determine the benefits due or which may become due to such participants.

Auditor's Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Plan's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

Other Matter—Supplemental Schedule Required by ERISA

Our audits were conducted for the purpose of forming an opinion on the financial statements as a whole. The supplemental schedule of Form 5500 and Schedule H, Line 4i – Schedule of Assets (Held at End of Year) is presented for purposes of additional analysis and is not a required part of the financial statements but are supplementary information required by the Department of Labor's ("DOL") Rules and Regulations for Reporting and Disclosure under ERISA. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements.

The information has been subjected to the auditing procedures applied in the audits of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with GAAS.

In forming our opinion on the supplemental schedules, we evaluated whether the supplemental schedules, including their form and content, are presented in conformity with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.

In our opinion, the information in the accompanying schedules is fairly stated, in all material respects, in relation to the financial statements as a whole, and the form and content are presented in conformity with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.

A handwritten signature in black ink that reads "Whitley Penn LLP". The signature is written in a cursive, flowing style.

Plano, Texas
June 26, 2024

**ATMOS ENERGY CORPORATION RETIREMENT
SAVINGS PLAN AND TRUST
STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS**

	December 31	
	2023	2022
Assets		
Total investments	\$ 995,709,627	\$ 906,825,086
Receivables:		
Participant contributions	1,321,805	1,210,742
Company contributions	8,299,331	7,248,173
Due from broker	23,232	9,129
Notes receivable from participants	16,850,536	15,914,427
Total receivables	26,494,904	24,382,471
Total assets	1,022,204,531	931,207,557
Payables:		
Due to broker	—	45,812
Net assets available for benefits	<u>\$ 1,022,204,531</u>	<u>\$ 931,161,745</u>

See accompanying notes

**ATMOS ENERGY CORPORATION RETIREMENT
SAVINGS PLAN AND TRUST
STATEMENT OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS
Year ended December 31, 2023**

Additions to Net Assets	
Investment income:	
Net appreciation in fair value of investments	\$ 102,388,988
Dividends on common stock	6,470,607
Dividends on registered investment companies	23,929,177
Dividends on common/collective trust	1,220,663
Total investment income	134,009,435
Other income:	
Interest received on notes receivable from participants	1,139,698
Contributions:	
Participants	35,960,622
Company	24,394,434
Rollovers	2,280,142
Total contributions	62,635,198
Total additions to net assets	197,784,331
Deductions from Net Assets	
Distributions to participants	106,483,839
Administrative expenses	257,706
Total deductions from net assets	106,741,545
Net increase in net assets available for benefits	91,042,786
Net Assets Available for Benefits	
Beginning of year	931,161,745
End of year	<u>\$ 1,022,204,531</u>

See accompanying notes

**ATMOS ENERGY CORPORATION RETIREMENT
SAVINGS PLAN AND TRUST**

NOTES TO FINANCIAL STATEMENTS

December 31, 2023

1. Description of the Plan

The following brief description of the Atmos Energy Corporation Retirement Savings Plan and Trust (the Plan) is provided for general information only. Participants should refer to the Summary Plan Description for a more detailed description of the Plan's provisions.

General

The Plan is a trustee defined contribution retirement benefit plan offered to eligible employees of Atmos Energy Corporation (the Company, Atmos Energy or Plan Sponsor). The Plan is to continue for an indefinite term and may be amended or terminated at any time by the Board of Directors of Atmos Energy (the Board). The Plan is administered by the Qualified Retirement Plans and Trusts Committee (the Committee), which is appointed by the Board. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974, as amended (ERISA).

Eligibility

Substantially all employees of the Company, other than leased employees (Participants), are automatically enrolled in the Plan at a pre-tax salary deferral rate of four percent (4%) of their compensation. Participants have a 30-day period to opt out of automatic enrollment. After 30 days, if the Participant has not opted out or elected a different deferral percentage, salary deferrals begin at the automatic enrollment level of 4%.

Contributions

Contributions to the Plan include contributions withheld by the Company on behalf of each Participant in an amount specified by the Participant pursuant to a salary deferral agreement, as well as matching and fixed annual Company contributions.

Participants may elect a Pre-Tax or Roth deferral rate ranging from a minimum of one percent (1%) up to a maximum of 65 percent (65%) of eligible compensation, as defined by the Plan, not to exceed the maximum allowed by the Internal Revenue Code (the Code) (\$22,500 in 2023 or \$30,000 for those participants age 50 or older). Additionally, the Plan includes an automatic increase provision where each Participant who contributes less than 10% as an elective pre-tax deferral will have their contribution percent increased by 1% each Plan year unless the Participant opts out of the automatic increase feature.

The Company contributes a matching Company contribution in an amount equal to 100 percent of each Participant's salary deferral contribution, up to a maximum of 4% of such Participant's eligible compensation, as defined by the Plan, for the Plan year. The Company's matching contribution meets the current Internal Revenue Service (IRS) "Safe Harbor" definition. The Company may revoke or amend any Participant's salary deferral agreement if necessary to ensure that (1) each Participant's salary deferrals for any year will not exceed applicable Code limitations and (2) Company matching contributions will be fully deductible for federal income tax purposes. The Company matching contributions are in accordance with the Participant's investment elections, subject to a 25 percent limit for Atmos Energy common stock as described below. For the year ended December 31, 2023, the Company made matching Company contributions of \$16,511,998.

Additionally, employees who joined the Plan subsequent to September 30, 2010 receive a fixed annual Company contribution of 4% of eligible compensation to their Plan account. During the year ended December 31, 2023, the Company made fixed annual contributions of \$7,882,436.

Participants are eligible to receive matching contributions immediately upon entering the Plan. Participants are eligible to receive fixed annual Company contributions after completing at least one year of service, effective on the first full pay period after which one year of service has been completed. Employee deferral contributions are immediately and fully vested, while the Company's matching contributions fully vest after one year of service and the fixed annual Company contributions fully vest after three years of service.

The Plan allows for in-plan rollovers and permits elective deferrals, including Roth, to be rolled into the Plan.

Forfeitures

Forfeitures are first used to fund any restorations of previously forfeited fixed annual Company contributions of former participants that are rehired. Any remaining forfeitures are used to reduce fixed annual Company contributions.

**ATMOS ENERGY CORPORATION RETIREMENT
SAVINGS PLAN AND TRUST**

NOTES TO FINANCIAL STATEMENTS *(continued)*

Investment Options

The Plan allows Participant salary deferral contributions to be invested among a variety of registered investment companies, one common/collective trust (CCT) and Atmos Energy common stock.

Investments in Atmos Energy common stock are participant directed. All Participant and Company contributions made in Atmos Energy common stock are allowed to be diversified at any time after the contribution is made into one or more of the other investment options offered by the Plan.

To help participants achieve better diversification, a participant's investment elections may not have an allocation greater than 25 percent to Atmos Energy common stock. In addition, future exchanges or rollovers into Atmos Energy common stock will be limited to 25 percent of the participant's total account balance. After a participant reaches the 25 percent limit, future Company matching contributions will be made in cash according to the participant's other investment elections.

Distributions to Participants

Dividends received on Atmos Energy common stock are automatically reinvested in Atmos Energy common stock. However, a Participant may elect to receive dividends paid in cash. This election may be made at any time during the period beginning on the first business day on or after the dividend record date and ending at a time specified by the Committee on the last business day preceding the dividend payout date. Cash dividends received on Atmos Energy common stock, in accordance with the Plan, must be distributed to Participants no later than 90 days after the Plan's year end. Currently, the dividends are distributed quarterly. Once a Participant elects to receive dividends in cash, the election will remain in effect until the election is changed.

In the event of retirement, death, termination due to disability or termination of employment for another reason, a Participant, or beneficiary in the event of death, is entitled to withdraw their account from the Plan. At the time of termination, Participants who do not have Plan loans outstanding are entitled to take one or more partial distributions from their account.

Withdrawals from a Participant's salary deferral account are allowed upon proof of financial hardship meeting IRS "Safe Harbor" definitions. Hardship withdrawals are not permitted from the Company matching or fixed annual Company contribution accounts.

If elected, subsequent to the Participant attaining age 59 ¹/₂, withdrawals may be made from a Participant's salary deferral account as well as the vested portion of the Company matching account; however, withdrawals may not be made from the fixed annual Company contribution account. Withdrawals of investments in Atmos Energy common stock may be in the form of Atmos Energy common stock or cash, as determined by the Committee, at the Participant's discretion.

A Participant may elect to receive a distribution of non-safe harbor prior company matching or discretionary contributions made to their account at least two years prior to such election. Safe harbor Company matching contributions meet the current IRS "Safe Harbor" definition and are not eligible for in-service withdrawal.

Loans to Participants

A Participant may borrow up to the lesser of \$50,000 or 50 percent of their account balance, with a minimum loan amount of \$1,000. Loans are repaid through payroll deductions over periods of up to five years for general purpose loans or 15 years for primary residence loans. The interest rate is the U.S. prime rate plus 2 percent and is fixed over the life of the loan. A Participant may only have one loan outstanding.

If a Participant has an outstanding loan in force and terminates employment, the Participant may elect to continue to pay the loan according to the payment schedule that was set up at the time the loan was initiated. If this option is elected, the Participant must also leave their account balance in the Plan. Under a second option, the Participant may elect to have the outstanding loan balance treated as a distribution from the Plan. A third option provides that the Participant may repay the loan in full within the date range established by IRS rules and stated in the Plan's loan policy.

Plan Termination

While the Company has not expressed any intent to terminate the Plan, it is free to do so at any time. In the event of the dissolution, merger, consolidation or reorganization of the Company, the Plan will terminate and the trust will be liquidated, unless the Plan is continued by a successor. Upon such liquidation, all accounts shall be fully vested and will be distributed to the Participants.

**ATMOS ENERGY CORPORATION RETIREMENT
SAVINGS PLAN AND TRUST**

NOTES TO FINANCIAL STATEMENTS *(continued)*

2. Summary of Significant Accounting Policies

Basis of Presentation

The financial statements of the Plan are prepared on the accrual basis of accounting. Distributions to Participants are recorded when paid.

Use of Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States requires management to make estimates that affect the amounts reported in the financial statements and accompanying notes. Actual results could differ from those estimates.

Investment Valuation and Income Recognition

Shares of registered investment companies are valued at fair value based on published market prices, which represents the net asset value of shares held by the Plan at year end. Investments in common stock are valued at fair value based on quoted market prices.

The CCT is comprised primarily of fully benefit-responsive investment contracts, which include conventional, synthetic and separate account investment contracts issued by life insurance companies, banks and other financial institutions, designed to provide principal stability and a competitive yield. The CCT is valued at the net asset value of units of the T. Rowe Price Trust Company (T. Rowe Price) collective trust. The net asset value is used as a practical expedient to estimate fair value. The practical expedient would not be used if it is determined to be probable that the fund will sell the investment for an amount different from the reported net asset value. Participant transactions (purchases and sales) may occur daily. If the Plan initiates a full redemption of the collective trust, the issuer reserves the right to require 12 months' notification in order to ensure that securities liquidations will be carried out in an orderly business manner.

The fair value methods described may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. Furthermore, while the Committee believes the valuation methods used are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine the fair value of certain assets could result in a different fair value measurement at the measurement date.

Purchases and sales of securities are recorded on a trade date basis. Investment income is recorded on the accrual basis and dividend income is recorded on the ex-dividend date. Realized gains and losses from securities transactions are reported on the average historical cost method. Capital gains and losses are included in interest and dividend income.

Notes Receivable from Participants

Notes receivable from participants represent Participant loans that are recorded at their remaining outstanding balance plus any accrued but unpaid interest. Interest income on notes receivable from participants is recorded when earned.

Subsequent Events

We have evaluated subsequent events from the December 31, 2023 statement of net assets available for benefits date through June 26, 2024, the date these financial statements were issued. No events occurred subsequent to the statement of net assets available for benefits date that would require recognition or disclosure in the financial statements.

**ATMOS ENERGY CORPORATION RETIREMENT
SAVINGS PLAN AND TRUST**

NOTES TO FINANCIAL STATEMENTS *(continued)*

3. Administration of the Plan and Plan Assets

The Plan is administered by the Committee, consisting of at least three persons who are appointed by the Board. The members of the Committee serve at the appointment of the Board without compensation from the Plan. Certain administrative functions are performed by employees of the Company. No employee of the Company receives compensation from the Plan.

In accordance with the Plan, the Company has appointed the Committee as Trustee of the Plan. The Trustee may be removed at the discretion of the Board. The Trustee shall vote any common stock held in the trust in accordance with directions received from the Participants or at its discretion if there are no such directions. The Plan's assets are held by T. Rowe Price, the custodian and recordkeeper of the Plan.

Generally, administrative expenses of the Plan are paid by the Company except for processing fees related to loans to participants, which are paid by the Participant.

4. Fair Value Measurements

Authoritative accounting literature establishes a fair value hierarchy that prioritizes the inputs used to measure fair value based on observable and unobservable data. The hierarchy categorizes the inputs into three levels, with the highest priority given to unadjusted quoted prices in active markets for identical assets and liabilities (Level 1) and the lowest priority given to unobservable inputs (Level 3). The asset's fair value measurement level within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. The levels of the hierarchy are described below:

Level 1 — Unadjusted quoted prices in active markets for identical assets or liabilities. An active market for the asset is defined as a market in which transactions for the asset or liability occur with sufficient frequency and volume to provide pricing information on an ongoing basis. The Plan's Level 1 measurements consist of registered investment companies (mutual funds) and common stock.

Level 2 — Inputs other than quoted prices included in Level 1 that are either directly or indirectly observable for the asset as of the reporting date. These inputs are derived principally from, or corroborated by, observable market data. Currently, the Plan has no assets recorded at fair value that would qualify for Level 2 reporting.

Level 3 — Unobservable inputs that are supported by little, if any, market activity and are significant to the fair value of the assets as of the measurement date. Currently, the Plan has no assets recorded at fair value that would qualify for Level 3 reporting.

The Plan records accounts receivable and accounts payable at carrying value, which substantially approximates fair value due to the short-term nature of these assets.

**ATMOS ENERGY CORPORATION RETIREMENT
SAVINGS PLAN AND TRUST**

NOTES TO FINANCIAL STATEMENTS (continued)

The following table sets forth by level, within the fair value hierarchy, the Plan's investments at fair value as of December 31, 2023 and 2022:

Investments at Fair Value as of December 31, 2023				
	Level 1	Level 2	Level 3	Total
Registered investment companies	\$ 714,626,383	\$ —	\$ —	\$ 714,626,383
Common stock	239,427,786	—	—	239,427,786
Total investments in the fair value hierarchy	<u>\$ 954,054,169</u>	<u>\$ —</u>	<u>\$ —</u>	<u>954,054,169</u>
Investments measured at net asset value ⁽¹⁾				41,655,458
Investments at fair value				<u>\$ 995,709,627</u>

Investments at Fair Value as of December 31, 2022				
	Level 1	Level 2	Level 3	Total
Registered investment companies	\$ 590,925,992	\$ —	\$ —	\$ 590,925,992
Common stock	250,331,115	—	—	250,331,115
Total investments in the fair value hierarchy	<u>\$ 841,257,107</u>	<u>\$ —</u>	<u>\$ —</u>	<u>841,257,107</u>
Investments measured at net asset value ⁽¹⁾				65,567,979
Investments at fair value				<u>\$ 906,825,086</u>

⁽¹⁾ Investments in our CCT that are measured at net asset value per share equivalent are not classified in the fair value hierarchy. The fair value amounts presented are intended to reconcile the fair value hierarchy to the line items presented in the statement of net assets available for benefits.

The following table summarizes investments for which fair value is measured using the net asset value per share practical expedient as of December 31, 2023 and 2022, respectively. There are no participant redemption restrictions for these investments; the redemption notice period is applicable only to the Plan.

December 31, 2023	Fair Value	Unfunded Commitments	Redemption Frequency (if Currently Eligible)	Redemption Notice Period
T. Rowe Price Stable Value Common Trust Fund	\$ 41,655,458	n/a	Daily	12 months

December 31, 2022	Fair Value	Unfunded Commitments	Redemption Frequency (if Currently Eligible)	Redemption Notice Period
T. Rowe Price Stable Value Common Trust Fund	\$ 65,567,979	n/a	Daily	12 months

**ATMOS ENERGY CORPORATION RETIREMENT
SAVINGS PLAN AND TRUST**

NOTES TO FINANCIAL STATEMENTS *(continued)*

5. Related Party and Party-in-Interest Transactions

Certain Plan investments in registered investment companies and a common/collective trust fund are managed by T. Rowe Price. T. Rowe Price is the custodian and recordkeeper; therefore, these transactions qualify as party-in-interest transactions. Additionally, certain Plan participants have invested in Atmos Energy common stock. Because the Company is the Plan Sponsor, transactions involving Atmos Energy common stock qualify as party-in-interest and related party transactions. The Plan also issues loans to participants. All of these party-in-interest transactions are exempt from the prohibited transaction rules. At December 31, 2023 and 2022, participant accounts held 2,065,814 and 2,233,703 shares of Atmos Energy common stock and received \$6,470,607 in dividends from Atmos Energy common stock during 2023. All other transactions which may be considered party-in-interest transactions relate to normal plan management and administrative services and the related payment of fees.

At December 31, 2023 and 2022, the percentage of the Plan's investments held in the Company's common stock was 24.0% and 27.6%.

6. Income Tax Status

The Plan has received a determination letter from the IRS dated August 20, 2014 stating that the Plan is qualified under Section 401(a) of the Code; therefore, the related trust is exempt from taxation. Subsequent to this determination by the IRS, the Plan was amended. Once qualified, the Plan is required to operate in conformity with the Code to maintain its qualification. The Plan administrator believes the Plan is being operated in compliance with the applicable requirements of the Code and therefore believes that the Plan, as amended, is qualified and the related trust is tax-exempt.

7. Risks and Uncertainties

The Plan invests in various investment securities. Investment securities are exposed to various risks such as interest rate, market and credit risks. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect Participant account balances and the amounts reported in the Statements of Net Assets Available for Benefits and the Statement of Changes in Net Assets Available for Benefits.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Qualified Retirement Plans and Trusts Committee, the Trustee of the Atmos Energy Corporation Retirement Savings Plan and Trust, as amended, has duly caused this annual report to be signed on its behalf by the undersigned, hereunto duly authorized.

ATMOS ENERGY CORPORATION
RETIREMENT SAVINGS PLAN AND TRUST

By: /s/ CHRISTOPHER T. FORSYTHE
Christopher T. Forsythe
Chairman of the Qualified
Retirement Plans and
Trusts Committee

June 26, 2024

EXHIBITS INDEX

<u>Exhibit Number</u>	<u>Description</u>	<u>Page Number or Incorporation by Reference to</u>
23.1	<u>Consent of Independent Registered Public Accounting Firm, Whitley Penn LLP</u>	

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). ▶ Complete all entries in accordance with the instructions to the Form 5500.	OMB Nos. 1210-0110 1210-0089 2023 This Form is Open to Public Inspection
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Part I Annual Report Identification Information	
For calendar plan year 2023 or fiscal plan year beginning <u>01/01/2023</u> and ending <u>12/31/2023</u>	
A This return/report is for:	☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must provide participating employer information in accordance with the form instructions.) ☒ a single-employer plan ☐ a DFE (specify) _____
B This return/report is:	☐ the first return/report ☐ the final return/report ☐ an amended return/report ☐ a short plan year return/report (less than 12 months)
C If the plan is a collectively-bargained plan, check here:	☐
D Check box if filing under:	☒ Form 5558 ☐ automatic extension ☐ the DFVC program ☐ special extension (enter description)
E If this is a retroactively adopted plan permitted by SECURE Act section 201, check here:	☐

Part II Basic Plan Information—enter all requested information											
1a Name of plan ATMOS ENERGY CORPORATION RETIREMENT SAVINGS PLAN AND TRUST	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%; padding: 2px;">1b Three-digit plan number (PN) ▶</td> <td style="width: 20%; padding: 2px; text-align: center;">002</td> </tr> <tr> <td colspan="2" style="padding: 2px;">1c Effective date of plan 02/15/1984</td> </tr> <tr> <td colspan="2" style="padding: 2px;">2b Employer Identification Number (EIN) 75-1743247</td> </tr> <tr> <td colspan="2" style="padding: 2px;">2c Plan Sponsor's telephone number 972-855-3324</td> </tr> <tr> <td colspan="2" style="padding: 2px;">2d Business code (see instructions) 221210</td> </tr> </table>	1b Three-digit plan number (PN) ▶	002	1c Effective date of plan 02/15/1984		2b Employer Identification Number (EIN) 75-1743247		2c Plan Sponsor's telephone number 972-855-3324		2d Business code (see instructions) 221210	
1b Three-digit plan number (PN) ▶	002										
1c Effective date of plan 02/15/1984											
2b Employer Identification Number (EIN) 75-1743247											
2c Plan Sponsor's telephone number 972-855-3324											
2d Business code (see instructions) 221210											
2a Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) ATMOS ENERGY CORPORATION 5430 LBJ FREEWAY THREE LINCOLN CENTER, STE 160 DALLAS TX 75240											

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE		<u>9/11/2024</u>	Matt Robbins
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

For Paperwork Reduction Act Notice, see the Instructions for Form 5500.

Form 5500 (2023)
v. 2300728

**ATMOS ENERGY CORPORATION RETIREMENT
SAVINGS PLAN AND TRUST**
Form 5500, SCHEDULE H, LINE 4i -
SCHEDULE OF ASSETS (HELD AT END OF YEAR)
EIN: 75-1743247
PLAN NUMBER: 002
December 31, 2023

(a)	(b) Identity of issue, borrower, lessor or similar party	(c) Description of investment including maturity date, rate of interest, collateral, par or maturity value	(d) Cost	(e) Current value
*	Atmos Energy Corporation	Common stock; 2,065,814 shares	**	\$ 239,427,786
*	T. Rowe Price Trust Company	Stable Value Common Trust Fund	**	41,655,458
*	T. Rowe Price Trust Company	Balanced Fund I Class	**	20,418,572
*	T. Rowe Price Trust Company	Short-Term Bond Fund I Class	**	23,430,313
*	T. Rowe Price Trust Company	New Horizons Fund I Class	**	49,717,303
*	T. Rowe Price Trust Company	Mid-Cap Value Fund I Class	**	42,720,550
*	T. Rowe Price Trust Company	All-Cap Opportunities Fund I Class	**	33,579,306
*	T. Rowe Price Trust Company	Equity Income Fund I Class	**	42,129,345
	Baird	Aggregate Bond Institutional Fund	**	20,654,204
	Vanguard Group, Inc.	Vanguard Institutional Index Fund	**	76,079,506
	Vanguard Group, Inc.	Vanguard Ttl Int Stock Institutional Index Fund	**	24,639,627
	Vanguard Group, Inc.	Total Bond Market Index Institutional Fund	**	26,918,541
	Vanguard Group, Inc.	Treasury Money Market Fund Investor Shares	**	1,103
	American Funds	EuroPacific Growth Fund	**	21,992,052
	American Funds	The New Economy Fund	**	19,303,913
	J.P. Morgan	JPMorgan Large Cap Growth Fund	**	53,500,993
*	T. Rowe Price Trust Company	Retirement 2005 Fund I Class	**	165,926
*	T. Rowe Price Trust Company	Retirement 2010 Fund I Class	**	305,991
*	T. Rowe Price Trust Company	Retirement 2015 Fund I Class	**	3,374,407
*	T. Rowe Price Trust Company	Retirement 2020 Fund I Class	**	13,028,977
*	T. Rowe Price Trust Company	Retirement 2025 Fund I Class	**	24,156,769
*	T. Rowe Price Trust Company	Retirement 2030 Fund I Class	**	34,421,274
*	T. Rowe Price Trust Company	Retirement 2035 Fund I Class	**	32,957,986
*	T. Rowe Price Trust Company	Retirement 2040 Fund I Class	**	26,482,420
*	T. Rowe Price Trust Company	Retirement 2045 Fund I Class	**	38,450,306
*	T. Rowe Price Trust Company	Retirement 2050 Fund I Class	**	37,126,710
*	T. Rowe Price Trust Company	Retirement 2055 Fund I Class	**	31,273,965
*	T. Rowe Price Trust Company	Retirement 2060 Fund I Class	**	15,061,596
*	T. Rowe Price Trust Company	Retirement 2065 Fund I Class	**	2,221,818
*	T. Rowe Price Trust Company	Retirement Balanced Fund I Class	**	512,910
*	Participant notes receivable	Interest rates from 5.25% to 10.50%, various maturities up to 15 years	-0-	16,850,536
				<u>\$ 1,012,560,163</u>

* Indicates party-in-interest to the Plan

** Cost information in column (d) is not required for participant-directed investments