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

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.)
- [X] 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. . . . . ▶ [X]

D Check box if filing under:
- [X] 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
MARATHON PETROLEUM RETIREMENT PLAN

1b Three-digit plan number (PN) ▶ 001

1c Effective date of plan 04/01/1998

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)
MARATHON PETROLEUM COMPANY LP

539 SOUTH MAIN STREET
FINDLAY, OH 45840

2b Employer Identification Number (EIN) 31-1537655

2c Plan Sponsor's telephone number 419-422-2121

2d Business code (see instructions) 324110

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.	10/15/2024	DUANE F BOECKER PLAN ADMINISTRATOR
	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

DUANE F BOECKER PLAN ADMINISTRATOR

539 SOUTH MAIN STREET
FINDLAY, OH 45840

3b Administrator's EIN
93-3402507

3c Administrator's telephone number
419-422-2121

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**	22827
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	**6a(1)**	17542
a(2)	Total number of active participants at the end of the plan year	**6a(2)**	17916
b	Retired or separated participants receiving benefits	**6b**	298
c	Other retired or separated participants entitled to future benefits	**6c**	4749
d	Subtotal. Add lines **6a(2)**, **6b**, and **6c**.	**6d**	22963
e	Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.	**6e**	164
f	Total. Add lines **6d** and **6e**.	**6f**	23127
g(1)	Number of participants with account balances as of the beginning of the plan year (only defined contribution plans complete this item)	**6g(1)**	
g(2)	Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)	**6g(2)**	
h	Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested	**6h**	219
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:

1A 1C 3F 3H

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

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 _____
(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 SB (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

Single-Employer Defined Benefit Plan Actuarial Information

This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code).

▶ **File as an attachment to Form 5500 or 5500-SF.**

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

▶ **Round off amounts to nearest dollar.**

▶ **Caution:** A penalty of $1,000 will be assessed for late filing of this report unless reasonable cause is established.

A Name of plan
MARATHON PETROLEUM RETIREMENT PLAN

B Three-digit plan number (PN) ▶ 001

C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF
MARATHON PETROLEUM COMPANY LP

D Employer Identification Number (EIN)
31-1537655

E Type of plan: [X] Single [ ] Multiple-A [ ] Multiple-B

F Prior year plan size: [ ] 100 or fewer [ ] 101-500 [X] More than 500

Part I Basic Information

1 Enter the valuation date: Month 01 Day 01 Year 2023

2 Assets:

a Market value	**2a**	1950750739
b Actuarial value	**2b**	2145825812

3 Funding target/participant count breakdown

	(1) Number of participants	(2) Vested Funding Target	(3) Total Funding Target
a For retired participants and beneficiaries receiving payment	251	31783948	31783948
b For terminated vested participants	5034	264027030	264027030
c For active participants	17543	1600359007	1658215902
d Total	22828	1896169985	1954026880

4 If the plan is in at-risk status, check the box and complete lines (a) and (b) [ ]

a Funding target disregarding prescribed at-risk assumptions	**4a**	
b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor	**4b**	

5 Effective interest rate	**5**	5.31 %
6 Target normal cost		
a Present value of current plan year accruals	**6a**	163920758
b Expected plan-related expenses	**6b**	4988203
c Target normal cost	**6c**	168908961

Statement by Enrolled Actuary

To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

SIGN HERE

	10/07/2024
Signature of actuary	Date
JULIE L. SOLUM	23-06838
Type or print name of actuary	Most recent enrollment number
AON CONSULTING, INC.	847-295-5000
Firm name	Telephone number (including area code)
MSC# 17755 PO BOX 1447 LINCOLNSHIRE, IL 60069	
Address of the firm	

If the actuary has not fully reflected any regulation or ruling promulgated under the statute in completing this schedule, check the box and see instructions [ ]

Part II Beginning of Year Carryover and Prefunding Balances

		(a) Carryover balance	(b) Prefunding balance
7	Balance at beginning of prior year after applicable adjustments (line 13 from prior year)	0	671843425
8	Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	0	78039295
9	Amount remaining (line 7 minus line 8)	0	593804130
10	Interest on line 9 using prior year's actual return of -21.44 %	0	-127311605
11	Prior year's excess contributions to be added to prefunding balance:		
a	Present value of excess contributions (line 38a from prior year)		169026248
b(1)	Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of 5.46 %		6294427
b(2)	Interest on line 38b from prior year Schedule SB, using prior year's actual return		-11522651
c	Total available at beginning of current plan year to add to prefunding balance		163798024
d	Portion of (c) to be added to prefunding balance		0
12	Other reductions in balances due to elections or deemed elections	0	266000000
13	Balance at beginning of current year (line 9 + line 10 + line 11d – line 12)	0	200492525

Part III Funding Percentages

14	Funding target attainment percentage	14	99.55 %
15	Adjusted funding target attainment percentage	15	108.57 %
16	Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement	16	104.69 %
17	If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage	17	%

Part IV Contributions and Liquidity Shortfalls

18 Contributions made to the plan for the plan year by employer(s) and employees:

(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
09/11/2024	92000000	0			
			Totals ► 18(b)	92000000	18(c) 0

19	Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:		
a	Contributions allocated toward unpaid minimum required contributions from prior years.	19a	0
b	Contributions made to avoid restrictions adjusted to valuation date	19b	0
c	Contributions allocated toward minimum required contribution for current year adjusted to valuation date.	19c	84280004

20 Quarterly contributions and liquidity shortfalls:

a Did the plan have a "funding shortfall" for the prior year? ☐ Yes ☒ No

b If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? ☐ Yes ☐ No

c If line 20a is "Yes," see instructions and complete the following table as applicable:

Liquidity shortfall as of end of quarter of this plan year

(1) 1st	(2) 2nd	(3) 3rd	(4) 4th

Part V Assumptions Used to Determine Funding Target and Target Normal Cost

21 Discount rate:

a Segment rates:

1st segment:	2nd segment:	3rd segment:	
4.75 %	5.00 %	5.74 %	☐ N/A, full yield curve used

b Applicable month (enter code)	**21b**	4
22 Weighted average retirement age	**22**	60

23 Mortality table(s) (see instructions) ☐ Prescribed - combined ☒ Prescribed - separate ☐ Substitute

Part VI Miscellaneous Items

24 Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment. ☒ Yes ☐ No

25 Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment. ☐ Yes ☒ No

26 Demographic and benefit information

a Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment. ☒ Yes ☐ No

b Is the plan required to provide a projection of expected benefit payments? If "Yes," see instructions regarding required attachment ☒ Yes ☐ No

27 If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment	**27**	

Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years

28 Unpaid minimum required contributions for all prior years	**28**	0
29 Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a)	**29**	0
30 Remaining amount of unpaid minimum required contributions (line 28 minus line 29)	**30**	0

Part VIII Minimum Required Contribution For Current Year

31 Target normal cost and excess assets (see instructions):

a Target normal cost (line 6c)	**31a**	168908961
b Excess assets, if applicable, but not greater than line 31a	**31b**	0

32 Amortization installments:

	Outstanding Balance	Installment
a Net shortfall amortization installment	8693593	796165
b Waiver amortization installment	0	0

33 If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount	**33**	
34 Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)	**34**	169705126

	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement	0	85425122	85425122

36 Additional cash requirement (line 34 minus line 35)	**36**	84280004
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)	**37**	84280004

38 Present value of excess contributions for current year (see instructions)

a Total (excess, if any, of line 37 over line 36)	**38a**	0
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	**38b**	0
39 Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)	**39**	0
40 Unpaid minimum required contributions for all years	**40**	0

Part IX Pension Funding Relief Under the American Rescue Plan Act of 2021 (See Instructions)

41 If an election was made to use the extended amortization rule for a plan year beginning on or before December 31, 2021, check the box to indicate the first plan year for which the rule applies. ☐ 2019 ☒ 2020 ☐ 2021

SCHEDULE C (Form 5500)	Service Provider Information	OMB No. 1210-0110
Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	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.**	**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
MARATHON PETROLEUM RETIREMENT PLAN

B Three-digit plan number (PN) ▶ 001

C Plan sponsor's name as shown on line 2a of Form 5500
MARATHON PETROLEUM COMPANY LP

D Employer Identification Number (EIN)
31-1537655

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).. . . . . [X] 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

DIMENSIONAL FUND ADVISORS LP (DFA)

30-0447847

(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)

PACIFIC INVESTMENT MANAGEMENT CO.

33-0629048

(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?
28 50 51	NONE	1031741	Yes [X] No [ ]	Yes [X] No [ ]	0	Yes [ ] No [X]

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

MFS INTERNATIONAL

57-1187281

(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?
28 50 51	NONE	757899	Yes [X] No [ ]	Yes [X] No [ ]	0	Yes [ ] No [X]

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

KAYNE ANDERSON RUDNICK

95-4575414

(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?
28 50 51	NONE	432528	Yes [X] No [ ]	Yes [X] No [ ]	0	Yes [ ] No [X]

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)

NINETY ONE

39-2079691

(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?
28 50 51	NONE	411144	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

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

BLACKROCK

94-3112180

(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?
21 24 28 50 51	NONE	350727	Yes [X] No [ ]	Yes [X] No [ ]	0	Yes [ ] No [X]

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

AON INVESTMENT CONSULTING, LLC

22-2232264

(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?
11 50	NONE	246312	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

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)

R.V. KUHNS & ASSOCIATES

93-0910652

(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?
27 50	NONE	225406	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

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

NORTHERN TRUST COMPANY

36-1561860

(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?
21 25 50	TRUSTEE	177249	Yes [X] No [ ]	Yes [X] No [ ]	0	Yes [ ] No [X]

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

HAMILTON LANE ADVISORS, LLC

23-2962336

(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?
28 50 51	NONE	51159	Yes [ ] No [X]	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: MCCONNELL & JONES LLP
b EIN: 76-0488832
c Position:
d Address: 4828 LOOP CENTRAL DR #1000
HOUSTON, TX 77081
e Telephone: 713-968-1600

Explanation: ALTERNATIVE VENDOR SELECTED IN REQUEST FOR INFORMATION PROCESS.

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
MARATHON PETROLEUM RETIREMENT PLAN

B Three-digit plan number (PN) ▶ 001

C Plan or DFE sponsor's name as shown on line 2a of Form 5500
MARATHON PETROLEUM COMPANY LP

D Employer Identification Number (EIN)
31-1537655

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: MARATHON PETROL. MASTER RET. TRUST

b Name of sponsor of entity listed in (a): MARATHON PETROLEUM COMPANY LP

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)
46-6645355-101	M	1944059198

a Name of MTIA, CCT, PSA, or 103-12 IE: MARATHON PETROLEUM GROUP TRUST

b Name of sponsor of entity listed in (a): MARATHON PETROLEUM COMPANY LP

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)
27-6011802-102	M	23403310

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)

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 plan sponsor	**c** EIN-PN

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 plan sponsor	**c** EIN-PN

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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 plan sponsor	**c** EIN-PN

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 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
MARATHON PETROLEUM RETIREMENT PLAN

B Three-digit plan number (PN) ▶ 001

C Plan sponsor's name as shown on line 2a of Form 5500
MARATHON PETROLEUM COMPANY LP

D Employer Identification Number (EIN)
31-1537655

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)	185000000	92000000
(2) Participant contributions	1b(2)		
(3) Other	1b(3)	8994969	
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)		
(9) Value of interest in common/collective trusts	1c(9)		
(10) Value of interest in pooled separate accounts	1c(10)		
(11) Value of interest in master trust investment accounts	1c(11)	1763609132	1967462508
(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)		
(14) Value of funds held in insurance company general account (unallocated contracts)	1c(14)		
(15) Other	1c(15)		

			(a) Beginning of Year	(b) End of Year
1d	Employer-related investments:			
	(1) Employer securities	1d(1)		
	(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	1957604101	2059462508
	Liabilities			
g	Benefit claims payable	1g		
h	Operating payables	1h		
i	Acquisition indebtedness	1i		
j	Other liabilities	1j		
k	Total liabilities (add all amounts in lines 1g through1j)	1k	0	0
	Net Assets			
l	Net assets (subtract line 1k from line 1f)	1l	1957604101	2059462508

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.

			(a) Amount	(b) Total
	Income			
a	**Contributions:**			
	(1) Received or receivable in cash from: **(A)** Employers	2a(1)(A)	92000000	
	(B) Participants	2a(1)(B)		
	(C) Others (including rollovers)	2a(1)(C)		
	(2) Noncash contributions	2a(2)		
	(3) Total contributions. Add lines **2a(1)(A), (B), (C),** and line **2a(2)**	2a(3)		92000000
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)		
	(F) Other	2b(1)(F)		
	(G) Total interest. Add lines **2b(1)(A)** through **(F)**	2b(1)(G)		0
	(2) Dividends: **(A)** Preferred stock	2b(2)(A)		
	(B) Common stock	2b(2)(B)		
	(C) Registered investment company shares (e.g. mutual funds)	2b(2)(C)		
	(D) Total dividends. Add lines **2b(2)(A)**, **(B)**, and **(C)**	2b(2)(D)		0
	(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)		0
	(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)		0

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		245609097
(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)		
c Other income	2c		
d Total income. Add all **income** amounts in column (b) and enter total	2d		337609097
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	229178639	
(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)		229178639
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)	225406	
(3) Recordkeeping fees	2i(3)		
(4) IQPA audit fees	2i(4)		
(5) Investment advisory and investment management fees	2i(5)	5226590	
(6) Bank or trust company trustee/custodial fees	2i(6)	267657	
(7) Actuarial fees	2i(7)	246312	
(8) Legal fees	2i(8)		
(9) Valuation/appraisal fees	2i(9)		
(10) Other trustee fees and expenses	2i(10)		
(11) Other expenses	2i(11)	606086	
(12) Total administrative expenses. Add lines **2i(1)** through **(11)**	2i(12)		6572051
j Total expenses. Add all **expense** amounts in column (b) and enter total	2j		235750690
Net Income and Reconciliation			
k Net income (loss). Subtract line **2j** from line **2d**	2k		101858407
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) [X] 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)** [X] 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: GJC CPAS & ADVISORS **(2)** EIN: 87-4342306

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.)	**4a**		X	
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.)	**4b**		X	
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.)	**4c**		X	
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.)	**4d**		X	
e Was this plan covered by a fidelity bond?	**4e**	X		45000000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?	**4f**		X	
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?	**4g**		X	
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?	**4h**		X	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	**4i**	X		
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.)	**4j**		X	
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?	**4k**		X	
l Has the plan failed to provide any benefit when due under the plan?	**4l**		X	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)	**4m**		X	
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.	**4n**			

5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year? [ ] Yes [X] 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.) ..... [X] Yes [ ] No [ ] Not determined

If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year 515342.

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.

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

A Name of plan
MARATHON PETROLEUM RETIREMENT PLAN

B Three-digit plan number (PN) ▶ 001

C Plan sponsor's name as shown on line 2a of Form 5500
MARATHON PETROLEUM COMPANY LP

D Employer Identification Number (EIN)
31-1537655

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** |

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): _____ _____

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** | 1562

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: 44.00 % Private Equity: 0.00 % Investment-Grade Debt and Interest Rate Hedging Assets: 29.00 %
High-Yield Debt: 24.00 % Real Assets: 0.00 % Cash or Cash Equivalents: 3.00 % Other: 0.00 %

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_____.

GJC

CPAs | ADVISORS

INDEPENDENT AUDITOR'S REPORT

October 11, 2024

To the Participants and Plan Administrator
Marathon Petroleum Retirement Plan

Opinion

We have audited the financial statements of the Marathon Petroleum Retirement Plan (the "Plan"), an employee benefit plan subject to the Employee Retirement Income Security Act of 1974, as amended ("ERISA"), which comprise the statement of net assets available for benefits as of December 31, 2023, and the related statement of changes in net assets available for benefits for the year then ended, as well as 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 the changes in its net assets available for benefits for the year then ended, in accordance with accounting principles generally accepted in the United States of America ("U.S. GAAP").

Basis for Opinion

We conducted our audit in accordance with auditing standards generally accepted in the United States of America ("U.S. 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 audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Other Matter — Prior-Year Financial Statements

The financial statements of the Plan as of, and for the year ended, December 31, 2022 were audited by other auditors whose report dated October 11, 2023 expressed an unmodified opinion on those statements.

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INDEPENDENT AUDITOR'S REPORT (CONTINUED)

Responsibilities of Management for the Financial Statements

The Plan's 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 available to be issued.

The Plan's 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 U.S. 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 in 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 U.S. GAAS:

- We exercise professional judgment and maintain professional skepticism throughout the audit.

- We identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and we 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.

INDEPENDENT AUDITOR'S REPORT (CONTINUED)

Auditor's Responsibilities for the Audit of the Financial Statements (continued)

- We 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.

- We evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, and we evaluate the overall presentation of the financial statements.

- We 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.

GBJC CPAs & Advisors

Cincinnati, Ohio

Schedule SB Attachment (Form 5500)—2023 Plan Year
Marathon Petroleum Retirement Plan
EIN: 31-1537655 PN: 001

Schedule SB, line 26b—Schedule Projection of Expected Benefit Payments

Plan Year	Active Participants	Terminated Vested Participants	Retired Participants and Beneficiaries Receiving Payments	Total
2023	225,724,959	47,724,114	4,848,918	278,297,991
2024	126,558,876	9,735,820	2,480,089	138,774,786
2025	123,462,987	11,963,270	2,435,944	137,862,202
2026	118,507,808	12,964,651	2,387,665	133,860,124
2027	113,758,600	14,001,176	2,334,980	130,094,756
2028	107,228,481	15,014,090	2,279,743	124,522,315
2029	103,663,636	11,735,370	2,220,477	117,619,483
2030	98,208,804	14,894,996	2,158,128	115,261,928
2031	98,144,245	13,303,268	2,094,098	113,541,611
2032	94,742,688	12,615,741	2,027,757	109,386,186
2033	90,556,998	14,304,360	1,959,467	106,820,825
2034	89,576,586	17,085,735	1,889,755	108,552,077
2035	87,607,551	12,931,067	1,818,881	102,357,500
2036	89,680,761	13,360,909	1,747,033	104,788,703
2037	88,098,887	13,892,363	1,671,588	103,662,839
2038	85,493,641	13,832,429	1,596,447	100,922,518
2039	85,415,771	13,174,094	1,522,550	100,112,415
2040	83,960,523	15,975,203	1,448,499	101,384,224
2041	82,915,338	14,736,333	1,374,412	99,026,082
2042	82,763,934	14,544,211	1,300,378	98,608,523
2043	79,452,089	13,585,521	1,226,456	94,264,067
2044	79,458,909	16,196,061	1,152,688	96,807,658
2045	77,584,700	16,787,445	1,079,152	95,451,297
2046	75,997,245	18,576,500	1,005,986	95,579,731
2047	71,353,114	16,106,811	933,378	88,393,304
2048	67,997,191	14,561,981	861,576	83,420,747
2049	65,724,171	15,013,456	790,902	81,528,528
2050	60,677,415	13,607,729	721,760	75,006,904
2051	57,362,139	13,127,834	654,616	71,144,588
2052	52,983,040	13,605,123	589,975	67,178,138
2053	48,041,250	13,420,224	528,343	61,989,817
2054	44,800,356	11,153,900	470,181	56,424,437
2055	41,385,886	9,992,461	415,890	51,794,237
2056	35,941,128	10,003,604	365,794	46,310,527
2057	32,931,841	7,650,355	320,118	40,902,314
2058	30,003,295	6,713,826	278,978	36,996,099
2059	25,687,151	5,489,823	242,373	31,419,346
2060	22,711,373	4,820,119	210,183	27,741,675
2061	20,044,963	4,456,045	182,197	24,683,204
2062	18,037,619	4,155,660	158,121	22,351,400
2063	16,373,924	3,834,126	137,592	20,345,641
2064	15,025,867	3,610,561	120,203	18,756,631
2065	13,753,353	3,389,531	105,539	17,248,423
2066	12,686,721	3,171,558	93,191	15,951,470

Schedule SB Attachment (Form 5500)—2023 Plan Year
Marathon Petroleum Retirement Plan
EIN: 31-1537655 PN: 001

Plan Year	Active Participants	Terminated Vested Participants	Retired Participants and Beneficiaries Receiving Payments	Total
2067	11,675,700	2,957,142	82,763	14,715,605
2068	10,709,745	2,746,785	73,892	13,530,423
2069	9,803,705	2,541,026	66,255	12,410,986
2070	8,933,198	2,340,428	59,577	11,333,202
2071	8,107,068	2,145,579	53,630	10,306,277
2072	7,319,294	1,957,081	48,239	9,324,613

Schedule SB Attachment (Form 5500)—2023 Plan Year
Marathon Petroleum Retirement Plan
EIN: 31-1537655 PN: 001

Schedule SB, Part V—Statement of Actuarial Assumptions/Methods

Interest Rates for Minimum Funding Purposes	Based on segment rates with a four-month lookback (as of September 2022), each adjusted as needed to fall within the 25-year average interest rate stabilization corridor under ARPA
1st Segment Rate	4.75%
2nd Segment Rate	5.00%
3rd Segment Rate	5.74%
Interest Rates for Maximum Tax Purposes	Based on segment rates with a four-month lookback (as of September 2022), without regard to interest rate stabilization
1st Segment Rate	1.41%
2nd Segment Rate	3.09%
3rd Segment Rate	3.58%
Salary Increases	
Minimum Funding Target Normal Cost	See Table 1
Maximum Tax Expected Benefit Increase	See Table 1
Cash Balance Interest Crediting Rate	Interest rate phase-in with an ultimate rate of 3.00%. Rate based on 24-month average of 30-year Treasury rates, using the same lookback period as the Funding Target segment rates, with minimum rate of 3.00%.
Lump Sum Conversion Basis	
417(e) Minimum Basis	The mortality table required under 417(e) for 2023 and the underlying liability interest rates.
Plan Basis	The RP-2000 combined healthy mortality table weighted 75% male/25% female and interest rate phase-in from 0.25% increasing 0.25% per year until the ultimate rate of 2.00%. Rates based on 24-month average of PBGC Immediate rates smoothing in the ultimate basis equaling the 417(e) required rates.
Social Security COLA Increases	1.30% for 2023 and 2.10% for 2024 and beyond.
Retirement Age	
Active—Non-Officers	See Table 2
Active—Officers	See Table 2
Active—Pre-Merger Andeavor Benefits	See Table 3
In-service Distributions of Legacy Benefits	75% at age 60

Commencement Age–Terminated Participants	
MPC	Age 61
Pre-Merger Andeavor Benefits	Age 63
Lump Sum Elections	
Retirement Eligible	85%
Not Retirement Eligible	100% if commence immediately
MPC	80% for 65% of terminations deferring commencement
Pre-Merger Andeavor	80% for 50% of terminations deferring commencement
Mortality Rates	
Healthy and Disabled	2023 static mortality table for annuitants and non-annuitants per §1.430(h)(3)-1(a)(3) and IRS Notice 2022-22
Withdrawal Rates	See Table 4
Disability Rates	See Tables 5-6
Decrement Timing	Middle of year decrements (except that retirement is assumed to occur at the beginning of the year for ages where the assumed retirement rate is 100%)
Surviving Spouse Benefit	It is assumed that 70% of males and 35% of females have an eligible spouse. Male participants are assumed to be two years older than female spouses and female participants are assumed to be three years younger than male spouses.
Valuation Compensation	2022 pensionable earnings rolled forward one year with the salary increase assumption.
Benefit and Compensation Limits	Projected benefits and compensation are limited by the current IRC section 415 maximum benefit of $265,000 and the IRC section 401(a)(17) compensation limit of $330,000.

Valuation of Plan Assets	Smoothed fair market value of assets over the current and prior two years, adjusted for contributions, benefit payments, administrative expenses, and expected earnings. The average value of assets calculated in this manner is further limited to not less than 90% nor more than 110% of fair market value. A characteristic of this method is that the expected distribution of the value of plan assets is skewed toward understatement relative to the corresponding market values for expected long-term rates of return in excess of the third segment rate under IRC section 430(h)(2)(C)(iii).
Expected Return on Assets	
2021 Plan Year	5.75%
2022 Plan Year	5.75%
2023 Plan Year	7.00%, limited to 5.74%
Trust Expenses Included in Target Normal Cost	Administrative expenses paid during the prior year ($4,988,203)
Actuarial Method	Standard unit credit cost method
Valuation Date	January 1, 2023

Table 1

Salary Merit Increase Rates

Age	Rate
25 and Under	9.00%
26-30	7.50%
31-35	6.50%
36-40	5.80%
41-45	5.00%
46-50	4.50%
51-55	4.30%
56-60	3.80%
61+	3.50%

Table 2

Retirement Rates—Non-Officers

Age	Rate
50	3.00%
51	3.00%
52	3.00%
53	4.00%
54	6.00%
55	12.00%
56	10.00%
57	10.00%
58	12.00%
59	15.00%
60[1]	15.00%
61	22.00%
62	22.00%
63	25.00%
64	27.00%
65	30.00%
66	35.00%
67	25.00%
68	25.00%
69	35.00%
70+	100.00%

Retirement Rates—Officers

Below Age 65	Same retirement rates as non-officers
Age 65+	100.00%

[1] Final average pay benefits are subject to an increased retirement rate assumption of 78.75% at age 60 due to the option to commence the benefit as an in-service distribution at this age.

Table 3—Page 1 of 2

Retirement Rates—Andeavor (Age 50 and 80+ Points)

Age	Rate
50	6.00%
51	6.00%
52	6.00%
53	6.00%
54	12.00%
55	12.00%
56	12.00%
57	10.00%
58	10.00%
59	15.00%
60[2]	15.00%
61	15.00%
62	25.00%
63	25.00%
64	25.00%
65	30.00%
66	30.00%
67	30.00%
68	30.00%
69	30.00%
70+	100.00%

[2] Final average pay benefits are subject to an increased retirement rate assumption of 78.75% at age 60 due to the option to commence the benefit as an in-service distribution at this age.

Table 3—Page 2 of 2

Retirement Rates—Andeavor (Age 55 and Under 80 Points)

Age	Rate
55	12.00%
56	12.00%
57	12.00%
58	10.00%
59	10.00%
60[3]	17.00%
61	17.00%
62	17.00%
63	20.00%
64	20.00%
65	35.00%
66	35.00%
67	35.00%
68	35.00%
69	35.00%
70+	100.00%

[3] Final average pay benefits are subject to an increased retirement rate assumption of 79.25% at age 60 due to the option to commence the benefit as an in-service distribution at this age.

Table 4

Withdrawal Rates—Male

	Years of Service				
Age	**0**	**1-2**	**3**	**4**	**5**
20–24	12.50%	10.00%	9.00%	8.00%	3.00%
25–29	12.50%	10.00%	9.00%	8.00%	7.00%
30–34	12.50%	10.00%	9.00%	8.00%	4.00%
35–39	12.50%	10.00%	9.00%	8.00%	4.00%
40–44	12.50%	10.00%	9.00%	8.00%	3.00%
45–49	12.50%	10.00%	9.00%	8.00%	3.00%
50–54	12.50%	10.00%	9.00%	8.00%	5.00%
55–59	12.50%	10.00%	9.00%	8.00%	6.00%
60+	12.50%	10.00%	9.00%	8.00%	10.00%

Withdrawal Rates—Female

	Years of Service			
Age	**0**	**1**	**2–4**	**5+**
20–24	15.00%	12.50%	10.00%	10.00%
25–29	15.00%	12.50%	10.00%	7.00%
30–34	15.00%	12.50%	10.00%	7.00%
35–39	15.00%	12.50%	10.00%	4.00%
40–44	15.00%	12.50%	10.00%	4.00%
45–49	15.00%	12.50%	10.00%	4.00%
50–54	15.00%	12.50%	10.00%	5.00%
55–59	15.00%	12.50%	10.00%	7.00%
60+	15.00%	12.50%	10.00%	10.00%

Table 5

Disability Rates - MPC

Age	Male	Female	Age	Male	Female
15	0.0432%	0.0432%	45	0.2302%	0.3454%
16	0.0432%	0.0432%	46	0.2590%	0.3885%
17	0.0432%	0.0432%	47	0.3022%	0.4317%
18	0.0432%	0.0432%	48	0.3598%	0.4749%
19	0.0432%	0.0432%	49	0.4029%	0.5180%
20	0.0432%	0.0432%	50	0.4749%	0.5756%
21	0.0432%	0.0432%	51	0.5612%	0.6332%
22	0.0432%	0.0432%	52	0.6619%	0.7051%
23	0.0432%	0.0432%	53	0.7627%	0.7771%
24	0.0432%	0.0432%	54	0.8778%	0.8490%
25	0.0432%	0.0432%	55	0.9929%	0.9210%
26	0.0432%	0.0432%	56	1.1080%	0.9929%
27	0.0432%	0.0432%	57	1.2375%	1.0649%
28	0.0432%	0.0576%	58	1.3671%	1.1512%
29	0.0432%	0.0576%	59	1.5110%	1.2232%
30	0.0432%	0.0576%	60	1.6549%	1.2951%
31	0.0432%	0.0720%	61	1.8131%	1.3814%
32	0.0432%	0.0720%	62	1.9858%	1.4534%
33	0.0432%	0.0863%	63	2.1729%	1.5110%
34	0.0432%	0.0863%	64	2.3600%	1.5685%
35	0.0576%	0.1007%	65+	0.0000%	0.0000%
36	0.0576%	0.1151%			
37	0.0720%	0.1295%			
38	0.0863%	0.1439%			
39	0.1007%	0.1727%			
40	0.1151%	0.1871%			
41	0.1295%	0.2159%			
42	0.1439%	0.2446%			
43	0.1727%	0.2734%			
44	0.2015%	0.3166%			

Table 6

Disability Rates—Andeavor

Age	Male	Female	Age	Male	Female
15	0.03%	0.03%	45	0.16%	0.24%
16	0.03%	0.03%	46	0.18%	0.27%
17	0.03%	0.03%	47	0.21%	0.30%
18	0.03%	0.03%	48	0.25%	0.33%
19	0.03%	0.03%	49	0.28%	0.36%
20	0.03%	0.03%	50	0.33%	0.40%
21	0.03%	0.03%	51	0.39%	0.44%
22	0.03%	0.03%	52	0.46%	0.49%
23	0.03%	0.03%	53	0.53%	0.54%
24	0.03%	0.03%	54	0.61%	0.59%
25	0.03%	0.03%	55	0.69%	0.64%
26	0.03%	0.03%	56	0.77%	0.69%
27	0.03%	0.03%	57	0.86%	0.74%
28	0.03%	0.04%	58	0.95%	0.80%
29	0.03%	0.04%	59	1.05%	0.85%
30	0.03%	0.04%	60	1.15%	0.90%
31	0.03%	0.05%	61	1.26%	0.96%
32	0.03%	0.05%	62	1.38%	1.01%
33	0.03%	0.06%	63	1.51%	1.05%
34	0.03%	0.06%	64	1.64%	1.09%
35	0.04%	0.07%	65+	0.00%	0.00%
36	0.04%	0.08%			
37	0.05%	0.09%			
38	0.06%	0.10%			
39	0.07%	0.12%			
40	0.08%	0.13%			
41	0.09%	0.15%			
42	0.10%	0.17%			
43	0.12%	0.19%			
44	0.14%	0.22%			

Schedule SB Attachment (Form 5500)—2023 Plan Year
Marathon Petroleum Retirement Plan
EIN: 31-1537655 PN: 001

Schedule SB, line 24—Change in Actuarial Assumptions

The funding valuation reflects the following assumption changes:

- A change in the retirement age assumption for active participants to better reflect anticipated future experience as the result of an assumption study, as well as the adoption of the in-service distribution plan amendment for final average pay benefits.
- A change in the retirement age assumption for the pre-merger Andeavor benefits of terminated vested participants from age 61 to age 63.
- A change in the withdrawal rates to better reflect anticipated future experience as the result of an assumption study.
- A change in the lump sum election percentage for retirement eligible MPC participants from 90% to 85%.
- A change in the lump sum election percentage for the pre-merger Andeavor benefits of retirement eligible actives from 80% to 85%.
- A change in the lump sum election percentage for non-retirement eligible participants from:
  - 75% for 60% of MPC terminations deferring commencement to 80% for 65% of MPC terminations deferring commencement
  - 85% for 45% of the pre-merger Andeavor benefits of terminated vested participants deferring commencement to 80% for 50% of the pre-merger Andeavor benefits of terminated vested participants deferring commencement

  Note that a 100% lump sum election percentage is still assumed for non-retirement eligible participants who terminate immediately.
- A decrease in the percent married assumption for males from 75% to 70% and for females from 45% to 35%.
- A change in the salary merit scale assumption to better reflect anticipated future experience as the result of an assumption study.

The non-prescribed assumption changes did not result in a decrease in the funding shortfall of the plan in excess of $50,000,000 or both 5% of the funding target of the plan and $5,000,000; as such, approval of the commissioner is not required.

SCHEDULE SB (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

Single-Employer Defined Benefit Plan Actuarial Information

This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code).

▶ **File as an attachment to Form 5500 or 5500-SF.**

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

▶ **Round off amounts to nearest dollar.**

▶ **Caution:** A penalty of $1,000 will be assessed for late filing of this report unless reasonable cause is established.

A Name of plan
MARATHON PETROLEUM RETIREMENT PLAN

B Three-digit plan number (PN) ▶ 001

C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF
MARATHON PETROLEUM COMPANY LP

D Employer Identification Number (EIN)
31-1537655

E Type of plan: [X] Single [ ] Multiple-A [ ] Multiple-B

F Prior year plan size: [ ] 100 or fewer [ ] 101-500 [X] More than 500

Part I Basic Information

1 Enter the valuation date: Month 01 Day 01 Year 2023

2 Assets:

a Market value	**2a**	1,950,750,739
b Actuarial value	**2b**	2,145,825,812

3 Funding target/participant count breakdown

	(1) Number of participants	(2) Vested Funding Target	(3) Total Funding Target
a For retired participants and beneficiaries receiving payment	251	31,783,948	31,783,948
b For terminated vested participants	5,034	264,027,030	264,027,030
c For active participants	17,543	1,600,359,007	1,658,215,902
d Total	22,828	1,896,169,985	1,954,026,880

4 If the plan is in at-risk status, check the box and complete lines (a) and (b) [ ]

a Funding target disregarding prescribed at-risk assumptions	**4a**	
b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor	**4b**	

5 Effective interest rate	**5**	5.31%
6 Target normal cost		
a Present value of current plan year accruals	**6a**	163,920,758
b Expected plan-related expenses	**6b**	4,988,203
c Target normal cost	**6c**	168,908,961

Statement by Enrolled Actuary

To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

SIGN HERE

JULIE L. SOLUM — Signature of actuary

10/07/2024 — Date

JULIE L. SOLUM — Type or print name of actuary

2306838 — Most recent enrollment number

AON CONSULTING, INC. — Firm name

847-295-5000 — Telephone number (including area code)

MSC# 17755
PO BOX 1447
LINCOLNSHIRE IL 60069
Address of the firm

If the actuary has not fully reflected any regulation or ruling promulgated under the statute in completing this schedule, check the box and see instructions [ ]

Part II Beginning of Year Carryover and Prefunding Balances

		(a) Carryover balance	(b) Prefunding balance
7	Balance at beginning of prior year after applicable adjustments (line 13 from prior year)	0	671,843,425
8	Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	0	78,039,295
9	Amount remaining (line 7 minus line 8)	0	593,804,130
10	Interest on line 9 using prior year's actual return of -21.44%	0	-127,311,605
11	Prior year's excess contributions to be added to prefunding balance:		
	a Present value of excess contributions (line 38a from prior year)		169,026,248
	b(1) Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of 5.46%		6,294,427
	b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return		-11,522,651
	c Total available at beginning of current plan year to add to prefunding balance		163,798,024
	d Portion of (c) to be added to prefunding balance		0
12	Other reductions in balances due to elections or deemed elections	0	266,000,000
13	Balance at beginning of current year (line 9 + line 10 + line 11d – line 12)	0	200,492,525

Part III Funding Percentages

14	Funding target attainment percentage	14	99.55 %
15	Adjusted funding target attainment percentage	15	108.57 %
16	Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement	16	104.69 %
17	If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage.	17	%

Part IV Contributions and Liquidity Shortfalls

18 Contributions made to the plan for the plan year by employer(s) and employees:

(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
09/11/2024	92,000,000	0			
		Totals ► 18(b)	92,000,000	18(c)	0

19 Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:

a Contributions allocated toward unpaid minimum required contributions from prior years	19a	0
b Contributions made to avoid restrictions adjusted to valuation date.	19b	0
c Contributions allocated toward minimum required contribution for current year adjusted to valuation date.	19c	84,280,004

20 Quarterly contributions and liquidity shortfalls:

a Did the plan have a "funding shortfall" for the prior year? ☐ Yes ☒ No

b If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? ☐ Yes ☐ No

c If line 20a is "Yes," see instructions and complete the following table as applicable:

Liquidity shortfall as of end of quarter of this plan year

(1) 1st	(2) 2nd	(3) 3rd	(4) 4th

Part V Assumptions Used to Determine Funding Target and Target Normal Cost

21 Discount rate:

a Segment rates:

1st segment:	2nd segment:	3rd segment:	
4.75 %	5.00 %	5.74 %	☐ N/A, full yield curve used

b Applicable month (enter code)	**21b**	4
22 Weighted average retirement age	**22**	60

23 Mortality table(s) (see instructions) ☐ Prescribed - combined ☒ Prescribed - separate ☐ Substitute

Part VI Miscellaneous Items

24 Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment. ☒ Yes ☐ No

25 Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment. ☐ Yes ☒ No

26 Demographic and benefit information

a Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment. ☒ Yes ☐ No

b Is the plan required to provide a projection of expected benefit payments? If "Yes," see instructions regarding required attachment ☒ Yes ☐ No

27 If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment	**27**	

Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years

28 Unpaid minimum required contributions for all prior years	**28**	0
29 Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a)	**29**	0
30 Remaining amount of unpaid minimum required contributions (line 28 minus line 29)	**30**	0

Part VIII Minimum Required Contribution For Current Year

31 Target normal cost and excess assets (see instructions):

a Target normal cost (line 6c)	**31a**	168,908,961
b Excess assets, if applicable, but not greater than line 31a	**31b**	0

32 Amortization installments:	Outstanding Balance	Installment
a Net shortfall amortization installment	8,693,593	796,165
b Waiver amortization installment	0	0

33 If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount	**33**	
34 Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)	**34**	169,705,126

	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement	0	85,425,122	85,425,122

36 Additional cash requirement (line 34 minus line 35)	**36**	84,280,004
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)	**37**	84,280,004

38 Present value of excess contributions for current year (see instructions)

a Total (excess, if any, of line 37 over line 36)	**38a**	0
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	**38b**	0
39 Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)	**39**	0
40 Unpaid minimum required contributions for all years	**40**	0

Part IX Pension Funding Relief Under the American Rescue Plan Act of 2021 (See Instructions)

41 If an election was made to use the extended amortization rule for a plan year beginning on or before December 31, 2021, check the box to indicate the first plan year for which the rule applies. ☐ 2019 ☒ 2020 ☐ 2021

Schedule SB Attachment (Form 5500)—2023 Plan Year
Marathon Petroleum Retirement Plan
EIN: 31-1537655 PN: 001

Schedule SB, line 15—Reconciliation of Differences Between Valuation Results and Amounts Used to Calculate AFTAP

The AFTAP for the plan was originally issued September 29, 2023, and reflected unaudited asset values. The valuation results reported on the Schedule SB reflect the audited asset value. The AFTAP was not recertified because the change to the AFTAP was not material. The inputs used in the AFTAP certification are outlined below:

	09/29/2023 Certification
Funding Target	$1,954,026,880
Value of Plan Assets	$2,144,103,155
Funding Standard Carryover Balance	$0
Prefunding Balance	$461,682,245
Annuities Purchased for NHCE's	$263,078,000
Security Posted	0
Certified AFTAP	108.57%

Schedule SB Attachment (Form 5500)—2023 Plan Year
Marathon Petroleum Retirement Plan
EIN: 31-1537655 PN: 001

Schedule SB, line 19—Discounted Employer Contributions

Year applied for contributions: 2023

Date	Amount	Days to Discount to 1/1/2023 at 5.31%	Interest Adjusted Contribution
September 11, 2024	$ 92,000,000	619	$ 84,280,004
Total Contribution	$ 92,000,000		$ 84,280,004

Schedule SB Attachment (Form 5500)—2023 Plan Year
Marathon Petroleum Retirement Plan
EIN: 31-1537655 PN: 001

Schedule SB, line 22—Description of Weighted Average Retirement Age

The average retirement age shown in line 22 has been calculated by the valuation system assuming the following retirement probabilities, given that other decrement rates may also be applied simultaneously along with retirement.

(a) Age	(b) Retirement Probability	(c) Expected Retirements	(d) Product (a) × (c)
50	2.18%	249.15	12,457.64
51	2.26%	264.68	13,498.66
52	2.36%	285.18	14,829.15
53	3.22%	395.71	20,972.82
54	5.23%	650.71	35,138.09
55	11.41%	1,398.01	76,890.52
56	9.92%	1,126.07	63,059.79
57	9.69%	1,032.71	58,864.38
58	10.99%	1,101.28	63,874.06
59	13.93%	1,292.09	76,233.59
60	24.82%	2,075.68	124,540.83
61	19.70%	1,289.32	78,648.40
62	21.58%	1,188.28	73,673.53
63	23.70%	1,064.31	67,051.83
64	24.98%	899.91	57,594.28
65	32.68%	924.43	60,087.91
66	34.30%	699.71	46,181.01
67	26.82%	378.68	25,371.81
68	26.84%	294.80	20,046.31
69	34.10%	286.21	19,748.38
70	100.00%	574.72	40,230.72
71	100.00%	14.00	994.00
72	100.00%	15.00	1,080.00
73	80.00%	4.00	292.00
74	100.00%	4.98	368.79
75	100.00%	11.00	825.00
76	100.00%	1.00	76.00
77	100.00%	5.00	385.00
78	100.00%	0.00	0.00
79	100.00%	0.00	0.00
80	100.00%	0.00	0.00
81	100.00%	2.00	162.00
82	100.00%	0.00	0.00
83	100.00%	2.00	166.00
	Total	17,530.63	1,053,342.50
	Weighted Average		60.09

Schedule SB Attachment (Form 5500)—2023 Plan Year
Marathon Petroleum Retirement Plan
EIN: 31-1537655 PN: 001

Schedule SB, Part V—Statement of Actuarial Assumptions/Methods

Interest Rates for Minimum Funding Purposes	Based on segment rates with a four-month lookback (as of September 2022), each adjusted as needed to fall within the 25-year average interest rate stabilization corridor under ARPA
1st Segment Rate	4.75%
2nd Segment Rate	5.00%
3rd Segment Rate	5.74%
Interest Rates for Maximum Tax Purposes	Based on segment rates with a four-month lookback (as of September 2022), without regard to interest rate stabilization
1st Segment Rate	1.41%
2nd Segment Rate	3.09%
3rd Segment Rate	3.58%
Salary Increases	
Minimum Funding Target Normal Cost	See Table 1
Maximum Tax Expected Benefit Increase	See Table 1
Cash Balance Interest Crediting Rate	Interest rate phase-in with an ultimate rate of 3.00%. Rate based on 24-month average of 30-year Treasury rates, using the same lookback period as the Funding Target segment rates, with minimum rate of 3.00%.
Lump Sum Conversion Basis	
417(e) Minimum Basis	The mortality table required under 417(e) for 2023 and the underlying liability interest rates.
Plan Basis	The RP-2000 combined healthy mortality table weighted 75% male/25% female and interest rate phase-in from 0.25% increasing 0.25% per year until the ultimate rate of 2.00%. Rates based on 24-month average of PBGC Immediate rates smoothing in the ultimate basis equaling the 417(e) required rates.
Social Security COLA Increases	1.30% for 2023 and 2.10% for 2024 and beyond.
Retirement Age	
Active—Non-Officers	See Table 2
Active—Officers	See Table 2
Active—Pre-Merger Andeavor Benefits	See Table 3
In-service Distributions of Legacy Benefits	75% at age 60

Commencement Age–Terminated Participants	
MPC	Age 61
Pre-Merger Andeavor Benefits	Age 63
Lump Sum Elections	
Retirement Eligible	85%
Not Retirement Eligible	100% if commence immediately
MPC	80% for 65% of terminations deferring commencement
Pre-Merger Andeavor	80% for 50% of terminations deferring commencement
Mortality Rates	
Healthy and Disabled	2023 static mortality table for annuitants and non-annuitants per §1.430(h)(3)-1(a)(3) and IRS Notice 2022-22
Withdrawal Rates	See Table 4
Disability Rates	See Tables 5-6
Decrement Timing	Middle of year decrements (except that retirement is assumed to occur at the beginning of the year for ages where the assumed retirement rate is 100%)
Surviving Spouse Benefit	It is assumed that 70% of males and 35% of females have an eligible spouse. Male participants are assumed to be two years older than female spouses and female participants are assumed to be three years younger than male spouses.
Valuation Compensation	2022 pensionable earnings rolled forward one year with the salary increase assumption.
Benefit and Compensation Limits	Projected benefits and compensation are limited by the current IRC section 415 maximum benefit of $265,000 and the IRC section 401(a)(17) compensation limit of $330,000.

Valuation of Plan Assets	Smoothed fair market value of assets over the current and prior two years, adjusted for contributions, benefit payments, administrative expenses, and expected earnings. The average value of assets calculated in this manner is further limited to not less than 90% nor more than 110% of fair market value. A characteristic of this method is that the expected distribution of the value of plan assets is skewed toward understatement relative to the corresponding market values for expected long-term rates of return in excess of the third segment rate under IRC section 430(h)(2)(C)(iii).
Expected Return on Assets	
2021 Plan Year	5.75%
2022 Plan Year	5.75%
2023 Plan Year	7.00%, limited to 5.74%
Trust Expenses Included in Target Normal Cost	Administrative expenses paid during the prior year ($4,988,203)
Actuarial Method	Standard unit credit cost method
Valuation Date	January 1, 2023

Table 1

Salary Merit Increase Rates

Age	Rate
25 and Under	9.00%
26-30	7.50%
31-35	6.50%
36-40	5.80%
41-45	5.00%
46-50	4.50%
51-55	4.30%
56-60	3.80%
61+	3.50%

Table 2

Retirement Rates—Non-Officers

Age	Rate
50	3.00%
51	3.00%
52	3.00%
53	4.00%
54	6.00%
55	12.00%
56	10.00%
57	10.00%
58	12.00%
59	15.00%
60[1]	15.00%
61	22.00%
62	22.00%
63	25.00%
64	27.00%
65	30.00%
66	35.00%
67	25.00%
68	25.00%
69	35.00%
70+	100.00%

Retirement Rates—Officers

Below Age 65	Same retirement rates as non-officers
Age 65+	100.00%

[1] Final average pay benefits are subject to an increased retirement rate assumption of 78.75% at age 60 due to the option to commence the benefit as an in-service distribution at this age.

Table 3—Page 1 of 2

Retirement Rates—Andeavor (Age 50 and 80+ Points)

Age	Rate
50	6.00%
51	6.00%
52	6.00%
53	6.00%
54	12.00%
55	12.00%
56	12.00%
57	10.00%
58	10.00%
59	15.00%
60[2]	15.00%
61	15.00%
62	25.00%
63	25.00%
64	25.00%
65	30.00%
66	30.00%
67	30.00%
68	30.00%
69	30.00%
70+	100.00%

[2] Final average pay benefits are subject to an increased retirement rate assumption of 78.75% at age 60 due to the option to commence the benefit as an in-service distribution at this age.

Table 3—Page 2 of 2

Retirement Rates—Andeavor (Age 55 and Under 80 Points)

Age	Rate
55	12.00%
56	12.00%
57	12.00%
58	10.00%
59	10.00%
60[3]	17.00%
61	17.00%
62	17.00%
63	20.00%
64	20.00%
65	35.00%
66	35.00%
67	35.00%
68	35.00%
69	35.00%
70+	100.00%

[3] Final average pay benefits are subject to an increased retirement rate assumption of 79.25% at age 60 due to the option to commence the benefit as an in-service distribution at this age.

Table 4

Withdrawal Rates—Male

	Years of Service				
Age	**0**	**1-2**	**3**	**4**	**5**
20–24	12.50%	10.00%	9.00%	8.00%	3.00%
25–29	12.50%	10.00%	9.00%	8.00%	7.00%
30–34	12.50%	10.00%	9.00%	8.00%	4.00%
35–39	12.50%	10.00%	9.00%	8.00%	4.00%
40–44	12.50%	10.00%	9.00%	8.00%	3.00%
45–49	12.50%	10.00%	9.00%	8.00%	3.00%
50–54	12.50%	10.00%	9.00%	8.00%	5.00%
55–59	12.50%	10.00%	9.00%	8.00%	6.00%
60+	12.50%	10.00%	9.00%	8.00%	10.00%

Withdrawal Rates—Female

	Years of Service			
Age	**0**	**1**	**2–4**	**5+**
20–24	15.00%	12.50%	10.00%	10.00%
25–29	15.00%	12.50%	10.00%	7.00%
30–34	15.00%	12.50%	10.00%	7.00%
35–39	15.00%	12.50%	10.00%	4.00%
40–44	15.00%	12.50%	10.00%	4.00%
45–49	15.00%	12.50%	10.00%	4.00%
50–54	15.00%	12.50%	10.00%	5.00%
55–59	15.00%	12.50%	10.00%	7.00%
60+	15.00%	12.50%	10.00%	10.00%

Table 5

Disability Rates - MPC

Age	Male	Female	Age	Male	Female
15	0.0432%	0.0432%	45	0.2302%	0.3454%
16	0.0432%	0.0432%	46	0.2590%	0.3885%
17	0.0432%	0.0432%	47	0.3022%	0.4317%
18	0.0432%	0.0432%	48	0.3598%	0.4749%
19	0.0432%	0.0432%	49	0.4029%	0.5180%
20	0.0432%	0.0432%	50	0.4749%	0.5756%
21	0.0432%	0.0432%	51	0.5612%	0.6332%
22	0.0432%	0.0432%	52	0.6619%	0.7051%
23	0.0432%	0.0432%	53	0.7627%	0.7771%
24	0.0432%	0.0432%	54	0.8778%	0.8490%
25	0.0432%	0.0432%	55	0.9929%	0.9210%
26	0.0432%	0.0432%	56	1.1080%	0.9929%
27	0.0432%	0.0432%	57	1.2375%	1.0649%
28	0.0432%	0.0576%	58	1.3671%	1.1512%
29	0.0432%	0.0576%	59	1.5110%	1.2232%
30	0.0432%	0.0576%	60	1.6549%	1.2951%
31	0.0432%	0.0720%	61	1.8131%	1.3814%
32	0.0432%	0.0720%	62	1.9858%	1.4534%
33	0.0432%	0.0863%	63	2.1729%	1.5110%
34	0.0432%	0.0863%	64	2.3600%	1.5685%
35	0.0576%	0.1007%	65+	0.0000%	0.0000%
36	0.0576%	0.1151%			
37	0.0720%	0.1295%			
38	0.0863%	0.1439%			
39	0.1007%	0.1727%			
40	0.1151%	0.1871%			
41	0.1295%	0.2159%			
42	0.1439%	0.2446%			
43	0.1727%	0.2734%			
44	0.2015%	0.3166%			

Table 6

Disability Rates—Andeavor

Age	Male	Female	Age	Male	Female
15	0.03%	0.03%	45	0.16%	0.24%
16	0.03%	0.03%	46	0.18%	0.27%
17	0.03%	0.03%	47	0.21%	0.30%
18	0.03%	0.03%	48	0.25%	0.33%
19	0.03%	0.03%	49	0.28%	0.36%
20	0.03%	0.03%	50	0.33%	0.40%
21	0.03%	0.03%	51	0.39%	0.44%
22	0.03%	0.03%	52	0.46%	0.49%
23	0.03%	0.03%	53	0.53%	0.54%
24	0.03%	0.03%	54	0.61%	0.59%
25	0.03%	0.03%	55	0.69%	0.64%
26	0.03%	0.03%	56	0.77%	0.69%
27	0.03%	0.03%	57	0.86%	0.74%
28	0.03%	0.04%	58	0.95%	0.80%
29	0.03%	0.04%	59	1.05%	0.85%
30	0.03%	0.04%	60	1.15%	0.90%
31	0.03%	0.05%	61	1.26%	0.96%
32	0.03%	0.05%	62	1.38%	1.01%
33	0.03%	0.06%	63	1.51%	1.05%
34	0.03%	0.06%	64	1.64%	1.09%
35	0.04%	0.07%	65+	0.00%	0.00%
36	0.04%	0.08%			
37	0.05%	0.09%			
38	0.06%	0.10%			
39	0.07%	0.12%			
40	0.08%	0.13%			
41	0.09%	0.15%			
42	0.10%	0.17%			
43	0.12%	0.19%			
44	0.14%	0.22%			

Schedule SB Attachment (Form 5500)—2023 Plan Year
Marathon Petroleum Retirement Plan
EIN: 31-1537655 PN: 001

Schedule SB, Part V—Summary of Plan Provisions

Effective Date	The Marathon Petroleum Company LLC Retirement Plan was established in 1988. Effective January 1, 1999, the Petroleum Marketing Retirement Plan (the "PMRP") and the Ashland Inc. and Affiliates Retirement Plan, applicable to Oil Chemical and Atomic Workers International Union Locals No. 3-214 Catlettsburg, Kentucky and 3-505 Catlettsburg, Kentucky (the "P.A.C.E." Plan) were merged into this plan. Effective September 1, 1999, the Northwestern Refinery Pension Plan for Hourly Employees was merged into this plan. The plan is comprised of various Sub-Plans: Refining, Marketing, and Transportation ("RMT") Sub-Plan; Retail Sub Plan; Catlettsburg Refining Sub-Plan; and Northwestern Refinery Sub-Plan. Effective June 30, 2007, the Retail Sub-Plan was spun off from the Marathon Petroleum Company LLC Retirement Plan, and the new Speedway SuperAmerica LLC Retirement Plan was established. Effective October 1, 2010, the plan name was changed to the Marathon Petroleum Retirement Plan. Effective January 1, 2019 members of the Legacy Andeavor Pension Plan are eligible for prospective cash balance benefit accruals. Plan amendments adopted or effective by January 1, 2023 are reflected in this valuation.
Plan Status	Open to new participants meeting eligibility requirements.
Definitions	
Plan Year	January 1 to December 31.
Benefit and Vesting Service	Generally based on elapsed time. Any period of service with an employer commencing on employee's date of hire for vesting service and upon plan participation for benefit service and ending on the date of termination.
Compensation	Total regular annual salary including overtime, bonuses, and commissions.
Average Monthly Compensation	Average monthly compensation in the 36 highest consecutive calendar months during the last 10 years of participation.

Social Security Benefit

Estimated Social Security benefit assuming no future earnings after termination. Calculated at age 62 for retirement eligible employees, otherwise age 65.

Frozen Service Benefit

Monthly benefit payable to a member upon normal retirement equal to [(1) less (2)] times (3):

(1) 60% of final average pay (average of highest 36 consecutive months of last 10 years of service).

(2) 50% of the member's Social Security benefit.

(3) Ratio of actual years of service to 37.5 years, with such ratio not greater than one.

Benefit service under this formula was frozen on December 31, 2009 for all participants. Additionally, final average pay and the Social Security benefit were also frozen on December 31, 2009 for certain highly compensated employees and on December 31, 2012 for all other participants.

Cash Balance Account

Hypothetical accounts established on January 1, 2010 for each participant. Initial account balances are $0 and accounts are credited with pay and interest credits for each year after 2009.

Pay Credits

A percentage of eligible compensation is credited to each participant's account for each year of participation after 2009 based on the participant's attained points (age plus service). For this purpose, all service is included.

Points	Percentage
Under 50	7.00%
50 to 69	9.00%
70 and over	11.00%

Interest Credits

Interest on the opening balance is credited each year based on the greater of 3.0% and the average of the 30-year Treasury rate for August, September, and October of the prior plan year.

Actuarial Equivalence

Conversion of Frozen Service Benefit to Lump Sum

The current interest rate assumption and the RP2000 Combined Healthy Mortality Table weighted 75% male/25% female.

The current interest rate assumption is the lesser of the following annuity rates:

(1) The simple average (rounded to the nearest one quarter of 1%) of PBGC immediate rates in effect on the first day of the months April through September of the prior year.

(2) The PBGC immediate annuity rate in effect on the first day of the plan year.

Effective January 1, 2013, the year-over-year increase in the interest rate will be limited to a certain percentage that varies based on the rate for the current year, as follows:

Rate for Current Year Before Adjustment	Maximum Annual Percentage Increase
0.25%–3.00%	0.25%
3.25%–5.00%	0.50%
5.25% or greater	0.75%

Conversion of Cash Balance Account to Monthly Single Life Annuity

Based on the applicable mortality and interest rates under IRC §417(e)(3).

Other Optional Forms

7% and the RP2000 Combined Healthy Mortality Table weighted 75% male/25% female.

Normal Form of Annuity

Without Spouse

Life annuity.

With Spouse

Joint and survivor annuity actuarially equivalent to the retirement benefit payable for employee's lifetime. Participant receives reduced lifetime benefit and, in event of participant's death, 50% of reduced benefit continued to surviving spouse.

Optional Forms of Annuity

Life annuity; term certain and life annuity; joint and survivor annuity (25%, 50%, 75% or 100%); lump sum. All optional forms are adjusted to be actuarially equivalent to the life annuity.

Refining, Marketing & Transportation (“RMT”) Sub-Plan

Eligibility for Participation	Generally, any regular employee of Marathon Petroleum Corporation, Marathon Petroleum Company LP, Marathon Petroleum Service Company, Marathon Pipe Line LLC, Catlettsburg Refining LLC, Marathon Petroleum Logistics Services LLC (MPLS), MW Logistics Services LLC, Blanchard Refining Company LLC, Speedway LLC and Speedway Prepaid Card LLC may participate under the provisions of this Sub-Plan. Eligibility excludes: collectively bargained employees where the bargaining agreement does not provide for participation; leased employees; employees participating in a multi-employer plan; independent contractors; employees subject to labor agreement which expressly excludes participation; employees of Speedway LLC or Speedway Prepaid Card LLC regularly classified as salary grade 11 or below.
Normal Retirement	
Eligibility	Age 65.
Benefit	Frozen service benefit plus cash balance account. The frozen service benefit is converted to a lump sum and added to the cash balance account or the cash balance account is converted to an annuity and added to the frozen service benefit. Frozen service benefit will be offset by any Ashland Pension Plan benefit or Marathon Oil Company Pension benefit accrued upon transfer to MPC. Such offset will only be applied to those employees whose benefits, liabilities, and assets were not transferred to MPC in 1998. In addition, benefit will be offset by any benefit payable by the Catlettsburg Refining LLC Sub Plan or the Northwestern Refinery Sub-Plan. For employees whose benefits, liabilities, and assets were transferred to MPC, the frozen service benefit will be no less than the benefit accrued at the date of transfer. For the Maleic/Neal employees who entered the plan on July 1, 2005, the frozen service benefit is the greater of the plan benefit based on service earned after July 1, 2005 and the plan benefit based on all service offset by the Ashland Retirement Plan benefit. The December 31, 2009 service and December 31, 2012 pay freeze apply.

Early Retirement	
Eligibility	Age 50 and 10 years of vesting service.
Benefit	Frozen service benefit reduced 3% per year from age 62 and 4% per year from age 59 plus cash balance account.
Vested Termination Benefits	
Eligibility	Three years of vesting service or age 65.
Benefit	Frozen service benefit payable at age 65 (actuarially reduced for early commencement) plus cash balance account.
Preretirement Death Benefit	
Eligibility	Earlier of age 65 and three years of vesting service.
Benefit	The frozen service benefit under the lump sum option is equivalent to 100% of the lump sum of the lifetime form of benefit had the employee retired or terminated on the date of his death. The monthly frozen service benefit annuity form of payment shall be the actuarial equivalent value of the lump sum form as described above. 100% of the cash balance account is payable to the beneficiary.
Death After Early Retirement	
Eligibility	Death after retirement but prior to age 65.
Benefits	50% of the frozen service benefit amount the member was receiving as a lifetime form of benefit.
Death After Vested Termination	
Eligibility	Death after vested termination but prior to commencement of benefit.
Benefits	50% of the frozen service benefit to which the member was entitled as a vested terminated employee. If the member is under age 50 at the time of his death, payment of the frozen service benefit to his spouse will be deferred until the time he would have attained age 50. 100% of the cash balance account is payable to the beneficiary.

Catlettsburg Refining Sub-Plan

Eligibility for Participation	Effective January 1, 2000, the Ashland Inc. and Affiliates Retirement Plan, applicable to Oil, Chemical, and Atomic Workers International Union Locals No. 3-214 Catlettsburg, Kentucky and 3-505 Catlettsburg, Kentucky (the "P.A.C.E." Plan) was merged into the Marathon Petroleum Company LLC Retirement Plan. Effective September 30, 1998, the provisions applicable to Catlettsburg employees were frozen and incorporated into the plan under the Catlettsburg Refining Sub Plan. The provisions as summarized are applicable only to those employees who were members of the Catlettsburg Refining Sub-Plan on September 30, 1998 and January 1, 1999.
Normal Retirement	
Eligibility	Age 65.
Benefit	Annual benefit payable to a member upon normal retirement is equal to the greatest of (1), (2), and (3): (1) $21.78 times credited service prior to October 1, 1989, plus, for each year of credited service after September 30, 1989, the sum of 1.83% of annual compensation which is at a rate not in excess of $6,600 and 2.25% of annual compensation which is at a rate in excess of $6,600. (2) $168 times continuous service adjusted for benefits which would have accrued in the event the member did not participate when first eligible. (3) 1.25% of final average pay times credited service prior to February 1, 1993, plus 1.35% of final average pay times credited service on or after February 1, 1993 (maximum credited service is 35 years). All service for benefit accrual purposes is frozen as of September 30, 1998.
Early Retirement	
Eligibility	Age 55, or any age where attained age and continuous service totals at least 80.

Benefit

Accrued benefit payable at early retirement age reduced according to the following schedule:

Age	Early Retirement Factor	Age	Early Retirement Factor
50	46%	58	88%
51	51%	59	91%
52	56%	60	94%
53	62%	61	97%
54	68%	62	100%
55	75%	63	100%
56	80%	64	100%
57	84%	65	100%

Vested Termination Benefits

Eligibility

Five years of vesting service, effective for members with one or more hours of service after September 30, 1989.

Benefit

Accrued benefit payable at age 65. Payment may commence as early as age 55, subject to a reduction of 6% per year from age 65 to 60 and 4% per year from age 60 to age 55. Member may elect a refund of his contributions with interest in lieu of accrued allowance.

Preretirement Death Benefit

Eligibility

Death in active service after becoming eligible for early retirement or vesting.

Benefit

50% of the benefit which the member would have been entitled to receive as a vested terminated or retired employee under a 50% joint and survivorship benefit. If the member is under age 55 at the time of his death, payment of the benefit to his spouse will be deferred until the time he would have attained age 55.

Death After Vested Termination

Eligibility

Death after vested termination but prior to commencement of benefit.

Benefits

50% of the benefit to which the member was entitled as a vested terminated employee under a 50% joint and survivor benefit. If the member is under age 55 at the time of his death, payment of the benefit to his spouse will be deferred until the time he would have attained age 55.

Normal Form of Annuity	
Without Spouse	Life annuity.
With Spouse	Reduced joint and survivor annuity. Participant receives reduced lifetime benefit and, in event of participant's death, 50% of reduced benefit continued to surviving spouse.
Optional Forms of Annuity	Life annuity; 120 months certain and life annuity; joint and survivor annuity (50%, 66⅔%, or 100%). All optional forms are adjusted to be actuarially equivalent to the life annuity.

Northwestern Refinery

Eligibility for Participation	The Northwestern Refinery Company Pension Plan for Hourly Employees was established in 1963. Effective September 1, 1999, the plan was frozen and merged into the Marathon Petroleum Company LLC Retirement Plan. The provisions as summarized are applicable only to those employees who were members of the Northwestern Refinery Company Pension Plan for Hourly Employees on August 31, 1999.
Normal Retirement	
Eligibility	Age 65.
Benefit	Annual benefit payable to a member upon normal retirement is equal to (1) plus the larger of (2) and (3): (1) For members who are in Local No. 120 and affiliated with Teamsters Council No. 32, $312 ($372 effective June 1, 1999, $384 effective June 1, 2000, $396 effective June 1, 2001, $444 effective June 1, 2002, $456 effective June 1, 2003, $468 effective June 1, 2004, $480 effective June 1, 2005) multiplied by years of service before February 1, 1987. (2) A career average benefit equal to the sum of 1½% of annual compensation which is at a rate not in excess of $12,000 plus 2¼% of annual compensation which is at a rate in excess of $12,000 for each year of service after January 31, 1987. (3) 1% of final average compensation not in excess of $9,000 plus 1½% of final average compensation in excess of $9,000, all multiplied by years of service after January 31, 1987 (up to a maximum of 35 years). All service for benefit accrual purposes is frozen as of August 31, 1999.
Early Retirement	
Eligibility	Age 55, or any age where attained age and continuous service totals at least 80. Members on January 31, 1987 are entitled to benefits earned as of that date, upon attainment of age 50 and completion of 15 years of vesting service.

Benefit

Accrued benefit payable at early retirement age reduced according to the following schedule:

Age	Early Retirement Factor	For Pre-1/31/1987 Benefits	Age	Early Retirement Factor
50	46%	32.2%	58	88%
51	51%	34.3%	59	91%
52	56%	36.6%	60	94%
53	62%	39.1%	61	97%
54	68%	41.8%	62	100%
55	75%		63	100%
56	80%		64	100%
57	84%		65	100%

Vested Termination Benefits

Eligibility

Five years of vesting service.

Benefit

Accrued benefit payable at age 65. Payment may commence as early as age 55, subject to a reduction of 6% per year from age 65 to 60 and 4% per year from age 60 to age 55.

Preretirement Death Benefit

Eligibility

Death in active service after becoming eligible for early retirement or vesting.

Benefit

50% of the benefit which the member would have been entitled to receive as a vested terminated or retired employee under a 50% joint and survivorship benefit. If the member is under age 55 at the time of his death, payment of the benefit to his spouse will be deferred until the time he would have attained age 55.

Death After Vested Termination

Eligibility

Death after vested termination but prior to commencement of benefit.

Benefits

50% of the benefit to which the member was entitled as a vested terminated employee under a 50% joint and survivor benefit. If the member is under age 55 at the time of his death, payment of the benefit to his spouse will be deferred until the time he would have attained age 55.

Normal Form of Annuity	
Without Spouse	Life annuity.
With Spouse	Reduced joint and survivor annuity. Participant receives reduced lifetime benefit and, in event of participant's death, 50% of reduced benefit continued to surviving spouse.
Optional Forms of Annuity	Life annuity; 120 months or more certain and life annuity; joint and survivor annuity (50%, 66⅔%, or 100%). All optional forms are adjusted to be actuarially equivalent to the life annuity.

Legacy Andeavor Pension Plan

Effective Date of Plan and Most Recent Amendment	The plan was originally effective January 1, 1969. It was amended and restated effective January 1, 2014. The most recent amendment reflected is Amendment 10 (signed December 27, 2018). Effective December 31, 2018, benefit accruals for all employees under the plan are frozen. The legacy Andeavor Pension Plan merged into the Marathon Petroleum Company LLC Retirement Plan effective December 31, 2019.
Plan Year	The twelve-month period ending December 31.
Coverage and Participation	A United States employee of Andeavor or one of its subsidiary companies which has adopted this Plan will become a participant on the first day of the month if: 1. Employee has worked 12 consecutive months from date of hire and credited with 1,000 hours or 2. Employee has worked 1,000 hours in a subsequent 12-month period beginning January 1 through December 31 Effective December 31, 2018, the plan is closed to new entrants.
Normal Retirement Date	The later of age 65 and three years of participation in the plan.
Early Retirement Date	A participant is eligible for early retirement when he has reached (i) age 50, if age plus vesting service is greater than or equal to 80, or (ii) both age 55 and completed five years of vesting service. Vesting service will continue to accrue after December 31, 2018.
Eligible Compensation	Amounts paid which are required to be reported on income tax and withholding statement (W-2) inclusive of overtime pay, commissions and normal bonuses but excluding special income because of services overseas, expense allowances, special recognition awards and all other extraordinary compensation. No pay after December 31, 2018 is considered when determining the benefit.

Plan Participants' Contributions	They are not required or permitted.
Optional Forms of Retirement Income	Optional forms of payment include: single life annuity, 10-year certain and life, 50% joint and survivor, 75% joint and survivor, 66⅔% joint and survivor, 66⅔% joint and survivor with 10 years certain option, and lump sum.
Changes in Plan Provisions Since Last Actuarial Valuation	Effective December 31, 2018, benefit accruals for all employees under the plan are frozen.

Final Average Pay Component of Benefit for Service Prior to 2011[1]

Final Average Monthly Compensation	Average of the highest consecutive, 36-month period of eligible compensation in the past 10-year period. Final average monthly compensation is frozen as of December 31, 2018.
Average Final Compensation	Average of high 36-month earnings in last 120 months of Shell earnings. Generally, the same as eligible compensation however, overtime and other bonuses are not included. Average final compensation is frozen as of December 31, 2018.
Social Security Covered Compensation	Average of the Social Security taxable wage bases (in accordance with the Social Security Act in effect on the participant's date of termination) for the 35-year period ending in the calendar year that the participant attains Social Security normal retirement age. Social Security covered compensation is frozen as of December 31, 2018.
Benefit Service	Generally each month of service a participant works, a month of benefit service is earned. Benefit service starts from hire date or date of acquisition if later. Participants earn service from date of hire or from the dates below if acquired participants:

Former Plan Participants	Applicable Date
BP Amoco	September 6, 2001
Golden Eagle	May 17, 2002
LAR (Shell Los Angeles)	May 11, 2007
Shell	August 1, 1998

Effective December 31, 2010, benefit service is frozen[1].

Normal Retirement Benefit
Andeavor Benefit Formula

Sum of (i) and (ii)

(i) 1.10% of participant's final average monthly compensation multiplied by the number of years of benefit service through December 31, 2010[1].

(ii) 0.50% of participant's final average monthly compensation in excess of Social Security covered compensation multiplied by the number of years of benefit service through December 31, 2010[1] to a maximum of 35 years.

[1] For Mandan and LAR Unions, effective dates are January 31, 2012 and April 30, 2012, respectively.

Benefit for Former BP Amoco, Golden Eagle and LAR Participants	Greater of (i) and (ii) where: (i) Andeavor benefit formula above based on Andeavor service from benefit service table above through December 31, 2010[2]. (ii) Andeavor benefit formula above using **all** service (service with Andeavor and prior plan service) through December 31, 2010[1] minus the prior plan frozen benefit. ***Note:*** *Generally, all service in (ii) above is from date of hire, however it is from January 1, 2003 for LAR participants.*
Benefit for Former Shell Participants	Greater of (i) and (ii) below: (i) Andeavor benefit formula above based on Andeavor service from benefit service table above through December 31, 2010. (ii) 1.60% of participant's average final compensation multiplied by benefit service (all periods) through December 31, 2010 minus August 1, 1998 Shell benefit and minus Social Security offset. The Social Security Offset is calculated as 1.50% of the participant's primary Social Security benefit (frozen as of December 31, 2018) multiplied by the projected benefit service to Social Security normal retirement age (max of 33⅓ years) multiplied by benefit service through December 31, 2010 divided by projected benefit service to Social Security normal retirement age (no max). Projected benefit service for this purpose is not frozen at December 31, 2010.

[2] For Mandan and LAR Unions, effective dates are January 31, 2012 and April 30, 2012, respectively.

Early Retirement Benefit

Andeavor, BP Amoco, & LAR Participants

The benefit calculation as defined above based on benefit service (as frozen at December 31, 2010[3]) and pay (as frozen at December 31, 2018) as of early retirement date but reduced according to the schedule below:

Age	Age + Svc > = 80 Percentage of NR Benefit	Age + Svc < = 80 Percentage of NR Benefit
65	100%	100%
64	100%	100%
63	100%	100%
62	100%	100%
61	100%	92.8%
60	100%	85.7%
59	95%	78.6%
58	90%	71.4%
57	85%	64.3%
56	80%	57.1%
55	75%	50.0%
54	70%	N/A
53	65%	N/A
52	60%	N/A
51	55%	N/A
50	50%	N/A

[3] For Mandan and LAR Unions, effective dates are January 31, 2012 and April 30, 2012, respectively.

Former Golden Eagle Participants

The factors above are applied to the Andeavor portion of the benefit (either Andeavor-only or Andeavor-all service).

The factors below are applied to the frozen Golden Eagle benefit based on status at acquisition date:

Service Age Points	< 10 < 55 N/A	10+ < 55 N/A	10+ 55+ N/A	N/A 55+ 85+
65	100%	100%	100%	100%
64	90%	93%	100%	100%
63	82%	87%	100%	100%
62	74%	80%	100%	100%
61	67%	73%	100%	100%
60	61%	67%	100%	100%
59	55%	63%	93%	100%
58	50%	60%	87%	100%
57	46%	57%	80%	100%
56	42%	53%	73%	100%
55	38%	50%	67%	100%
54	35%	46%	N/A	N/A
53	32%	42%	N/A	N/A
52	29%	38%	N/A	N/A
51	27%	35%	N/A	N/A
50	25%	32%	N/A	N/A

Former BP Amoco Participants

In addition to the above benefits, participants who were age 40 and above and not age 50 with at least 15 years of service at acquisition and ultimately qualify for early retirement benefits are eligible for a Special Social Security supplement. This benefit will be paid until the participant attains age 62.

The monthly supplement amount is equal to $50 times vesting service up to 20 years plus $45 times vesting service greater than 20 years. Vesting service for this purpose is limited to service through December 31, 2010[4].

[4] For Mandan and LAR Unions, effective dates are January 31, 2012 and April 30, 2012, respectively.

The supplement is then reduced to reflect age at commencement based on the factors below:

Age	Vesting Service + Age > = 55	Vesting Service + Age < = 55
61	100%	100%
60	100%	100%
59	97%	85%
58	94%	70%
57	91%	55%
56	88%	40%
55	85%	25%
54	77%	10%
53	69%	N/A
52	61%	N/A
51	53%	N/A
50	45%	N/A

Final reduced supplement payable is limited to the amount of the unreduced primary Social Security benefit.

Former Shell Participants

Before Age 65

The greater of (i) and (ii) below:

(i) The total service Shell benefit, calculated as 1.60% times average final compensation.

(ii) Andeavor formula based on service from benefit service table above through December 31, 2010.

After Age 65

The greater of (i) and (ii) below:

(i) The total service Shell benefit, calculated as 1.60% times average final compensation, minus Social Security offset minus August 1, 1998 Shell benefit.

(ii) Andeavor formula based on service from Benefit Service table above through December 31, 2010.

Where amounts above are reduced in accordance with early retirement table. Note that the August 1, 1998 Shell benefit will be offset before age 65 if the participant was eligible at August 1, 1998 for an early retirement benefit.

Death Benefit	A participant is eligible for a death benefit after completing three years of vesting service. The death benefit amount is actuarial equivalent to the survivor portion of a 100% joint & survivor assuming that the participant elected such form of payment immediately preceding their death. The death benefit for the surviving spouse may be paid as a single life annuity or a lump sum at the election of the spouse. The death benefit for a non-spouse beneficiary will be paid as an immediate lump sum.
Vested Benefits Upon Termination of Service	If a participant terminates his service prior to his normal retirement date and has three years of vesting service (five years for terminations before December 31, 2010[1]), the deferred vested benefit is equal to the benefit computed based on pay and service as of the termination date (pay is frozen at December 31, 2018, service is frozen at December 31, 2010[1]). The benefit will commence at normal retirement date, or reduced benefits may commence at any earlier age on an actuarially equivalent basis, where actuarial equivalence is based on GAM-83 unisex mortality and 7.50% interest.
Disability Benefit	A participant is eligible for a disability benefit upon completing three years of vesting service and becoming totally and permanently disabled. The benefit amount is calculated in the same manner as the normal retirement benefit above, however, assuming that pay will continue at the same rate as in effect at time of disability to normal retirement date (frozen at December 31, 2018) and service will continue to December 31, 2010[5].

[5] For Mandan and LAR Unions, effective dates are January 31, 2012 and April 30, 2012, respectively.

Cash Balance Account

Account

A notional account corresponding to each participant reflecting the amount of the employer's obligation to the participant at any given time.

Accrual

On the last day of each plan quarter (or the last day of the month of the participant's date of termination, if earlier), each participant's account shall be credited with:

a. Interest Credits: Using an annual effective rate based on the yield on 30-Year Treasury Securities (but not less than 3.0%) applied to the notional account at the beginning of the quarter; and

b. Salary Credits: Based on a percentage applied to the member's eligible compensation during the quarter, as shown below:

Age at the End of the Quarter	Quarterly Contribution Percentage
Less Than 30	4.5%
30–39	5.5%
40–49	6.5%
50–59	7.5%
60 and Above	8.5%

In addition, acquired BP Carson employees earn an additional 6% (Non-Heritage) or 9% (Heritage) of pay for the period between June 1, 2013 and May 31, 2014.

Salary credits are frozen effective December 31, 2018. Interest credits will continue to be provided after December 31, 2018.

Retirement Benefits

The benefit payable upon early or normal retirement date is a lump sum or annuity that is actuarially equivalent to the participant's cash balance account as of the annuity starting date.

Vested Benefits Upon Termination of Service	A participant is 100% vested upon completion of three years of service and may elect to commence benefits at any time. The termination benefit is equal to the vested cash balance account credited with interest to the annuity starting date. Vesting service will continue to accrue after December 31, 2018.
Death Benefits	The participant's beneficiary will receive a lump-sum benefit equal to 100% of the participant's vested account balance as of the date of death, increased with interest to the payment date.
Disability Benefit	A participant is eligible for a disability benefit upon completing three years of vesting service and becoming totally and permanently disabled. The benefit amount is calculated in the same manner as the Retirement Benefit above, however, assuming that pay and service (i.e., salary credits) will continue at the same rate as in effect at time of disability to normal retirement date. Employees disabled prior to 2011 will begin earning salary credits on January 1, 2011[6] in lieu of additional benefit service under the final average pay formula. Salary credits are frozen as of December 31, 2018.

[6] For Mandan and LAR Unions, effective dates are February 1, 2012 and May 1, 2012, respectively.

Plan Changes Since the Prior Year

The January 1, 2023 valuations reflect the following plan changes:

- An increase in the annual pay limit under IRC section 401(a)(17) from $305,000 in 2022 to $330,000 in 2023 and an increase in the IRC section 415 dollar limit for defined benefit plans from $245,000 in 2022 to $265,000 in 2023.
- An update to the mortality and interest rates for determining minimum lump sum payments under IRC section 417(e)(3) to the applicable rates for the current plan year.
- Effective August 1, 2022, the plan was amended to add an in-service distribution feature that allows active participants who are age 59-1/2 and older to take a distribution of the non-cash balance portion of their benefit.
- An amendment to provide annuities to a select group of inactive participants in pay status.

Changes in Plan Provisions for the January 1, 2022 Valuation

- An increase in the annual pay limit under IRC section 401(a)(17) from $290,000 in 2021 to $305,000 in 2022 and an increase in the IRC section 415 dollar limit for defined benefit plans from $230,000 in 2021 to $245,000 in 2022.
- An update to the mortality and interest rates for determining minimum lump sum payments under IRC section 417(e)(3) to the applicable rates for the current plan year.

Changes in Plan Provisions for the January 1, 2021 Valuation

- An increase in the annual pay limit under IRC section 401(a)(17) from $285,000 in 2020 to $290,000 in 2021.
- An update to the mortality and interest rates for determining minimum lump sum payments under IRC section 417(e)(3) to the applicable rates for the current plan year.

Changes in Plan Provisions for the January 1, 2020 Valuation

The January 1, 2020 valuations reflect the following plan changes:

- An increase in the annual pay limit under IRC section 401(a)(17) from $280,000 in 2019 to $285,000 in 2020 and an increase in the IRC section 415 dollar limit for defined benefit plans from $225,000 in 2019 to $230,000 in 2020.
- An update to the mortality and interest rates for determining minimum lump sum payments under IRC section 417(e)(3) to the applicable rates for the current plan year.
- The legacy Andeavor Pension Plan merged into the Marathon Petroleum Company LLC Retirement Plan effective December 31, 2019.

Changes in Plan Provisions for the January 1, 2019 Valuation

The January 1, 2019 valuations reflect the following plan changes:

- An increase in the annual pay limit under IRC section 401(a)(17) from $275,000 in 2018 to $280,000 in 2019 and an increase in the IRC section 415 dollar limit for defined benefit plans from $220,000 in 2018 to $225,000 in 2019.
- An update to the mortality and interest rates for determining minimum lump sum payments under IRC section 417(e)(3) to the applicable rates for the current plan year.

Other Information to Fully and Fairly Disclose the Actuarial Position of the Plan

Due to software limitations with the electronic filing process, information filed electronically cannot be controlled by the Enrolled Actuary. The values on the signed Schedule SB will govern to the extent there are any differences in the entries filed electronically and the actual data contained on the signed Schedule SB.

Schedule SB Attachment (Form 5500)—2023 Plan Year
Marathon Petroleum Retirement Plan
EIN: 31-1537655 PN: 001

Schedule SB, line 24—Change in Actuarial Assumptions

The funding valuation reflects the following assumption changes:

- A change in the retirement age assumption for active participants to better reflect anticipated future experience as the result of an assumption study, as well as the adoption of the in-service distribution plan amendment for final average pay benefits.
- A change in the retirement age assumption for the pre-merger Andeavor benefits of terminated vested participants from age 61 to age 63.
- A change in the withdrawal rates to better reflect anticipated future experience as the result of an assumption study.
- A change in the lump sum election percentage for retirement eligible MPC participants from 90% to 85%.
- A change in the lump sum election percentage for the pre-merger Andeavor benefits of retirement eligible actives from 80% to 85%.
- A change in the lump sum election percentage for non-retirement eligible participants from:
  - 75% for 60% of MPC terminations deferring commencement to 80% for 65% of MPC terminations deferring commencement
  - 85% for 45% of the pre-merger Andeavor benefits of terminated vested participants deferring commencement to 80% for 50% of the pre-merger Andeavor benefits of terminated vested participants deferring commencement

  Note that a 100% lump sum election percentage is still assumed for non-retirement eligible participants who terminate immediately.
- A decrease in the percent married assumption for males from 75% to 70% and for females from 45% to 35%.
- A change in the salary merit scale assumption to better reflect anticipated future experience as the result of an assumption study.

The non-prescribed assumption changes did not result in a decrease in the funding shortfall of the plan in excess of $50,000,000 or both 5% of the funding target of the plan and $5,000,000; as such, approval of the commissioner is not required.

Schedule SB Attachment (Form 5500)—2023 Plan Year
Marathon Petroleum Retirement Plan
EIN: 31-1537655 PN: 001

Schedule SB, line 26a—Schedule of Active Participant Data as of January 1, 2023

Number of Participants, Average Compensation and Average Cash Balance Account

Attained Age	Years of Credited Service									
	<1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40+
	181	229								
	$90,579	$108,505								
<25	$3,336	$13,163								
	396	744	334	5						
	$76,490	$122,954	$137,733							
25-29	$4,248	$21,884	$46,250							
	726	707	921	298	20					
	$41,802	$129,594	$148,066	$158,896	$177,809					
30-34	$10,182	$24,522	$54,621	$84,938	$125,825					
	1,064	656	968	665	760	4				
	$25,852	$130,881	$155,203	$171,031	$180,356					
35-39	$23,144	$25,381	$53,637	$90,432	$130,218					
	1,100	490	772	536	936	330	16			
	$19,000	$140,060	$155,913	$166,503	$182,509	$214,357				
40-44	$33,858	$27,171	$57,701	$89,686	$132,689	$171,131				
	1,005	369	538	430	852	445	184	3		
	$12,941	$131,826	$157,100	$165,122	$179,985	$188,970	$214,757			
45-49	$42,750	$29,437	$64,374	$96,521	$133,140	$155,628	$213,124			
	1,045	329	442	384	686	443	279	222	9	
	$12,574	$137,337	$150,683	$161,021	$169,086	$181,292	$197,102	$209,550		
50-54	$53,384	$34,415	$70,301	$100,986	$137,493	$156,902	$187,824	$217,643		
	860	213	303	262	442	272	140	302	207	19
	$10,328	$137,113	$150,981	$155,337	$165,163	$170,088	$184,504	$208,342	$203,249	
55-59	$57,954	$36,087	$72,895	$96,503	$140,836	$149,072	$162,722	$205,661	$236,986	
	598	124	176	153	271	153	74	143	114	84
	$6,742	$130,316	$139,097	$140,972	$129,103	$128,000	$145,238	$148,919	$145,620	$139,305
60-64	$53,059	$36,500	$68,017	$94,670	$99,796	$105,982	$105,008	$111,849	$120,251	$133,876
	143	33	46	32	70	30	10	35	23	39
	$3,945	$114,190	$163,152	$131,720	$142,336	$125,271		$139,018	$133,751	$125,522
65-69	$60,886	$29,229	$84,465	$100,084	$111,787	$116,693		$104,403	$108,292	$111,612
	20	9	6	8	5	1	2	4	7	12
	$1,035									
70+	$56,915									

Schedule SB Attachment (Form 5500)—2023 Plan Year
Marathon Petroleum Retirement Plan
EIN: 31-1537655 PN: 001

Schedule SB, line 26b—Schedule Projection of Expected Benefit Payments

Plan Year	Active Participants	Terminated Vested Participants	Retired Participants and Beneficiaries Receiving Payments	Total
2023	225,724,959	47,724,114	4,848,918	278,297,991
2024	126,558,876	9,735,820	2,480,089	138,774,786
2025	123,462,987	11,963,270	2,435,944	137,862,202
2026	118,507,808	12,964,651	2,387,665	133,860,124
2027	113,758,600	14,001,176	2,334,980	130,094,756
2028	107,228,481	15,014,090	2,279,743	124,522,315
2029	103,663,636	11,735,370	2,220,477	117,619,483
2030	98,208,804	14,894,996	2,158,128	115,261,928
2031	98,144,245	13,303,268	2,094,098	113,541,611
2032	94,742,688	12,615,741	2,027,757	109,386,186
2033	90,556,998	14,304,360	1,959,467	106,820,825
2034	89,576,586	17,085,735	1,889,755	108,552,077
2035	87,607,551	12,931,067	1,818,881	102,357,500
2036	89,680,761	13,360,909	1,747,033	104,788,703
2037	88,098,887	13,892,363	1,671,588	103,662,839
2038	85,493,641	13,832,429	1,596,447	100,922,518
2039	85,415,771	13,174,094	1,522,550	100,112,415
2040	83,960,523	15,975,203	1,448,499	101,384,224
2041	82,915,338	14,736,333	1,374,412	99,026,082
2042	82,763,934	14,544,211	1,300,378	98,608,523
2043	79,452,089	13,585,521	1,226,456	94,264,067
2044	79,458,909	16,196,061	1,152,688	96,807,658
2045	77,584,700	16,787,445	1,079,152	95,451,297
2046	75,997,245	18,576,500	1,005,986	95,579,731
2047	71,353,114	16,106,811	933,378	88,393,304
2048	67,997,191	14,561,981	861,576	83,420,747
2049	65,724,171	15,013,456	790,902	81,528,528
2050	60,677,415	13,607,729	721,760	75,006,904
2051	57,362,139	13,127,834	654,616	71,144,588
2052	52,983,040	13,605,123	589,975	67,178,138
2053	48,041,250	13,420,224	528,343	61,989,817
2054	44,800,356	11,153,900	470,181	56,424,437
2055	41,385,886	9,992,461	415,890	51,794,237
2056	35,941,128	10,003,604	365,794	46,310,527
2057	32,931,841	7,650,355	320,118	40,902,314
2058	30,003,295	6,713,826	278,978	36,996,099
2059	25,687,151	5,489,823	242,373	31,419,346
2060	22,711,373	4,820,119	210,183	27,741,675
2061	20,044,963	4,456,045	182,197	24,683,204
2062	18,037,619	4,155,660	158,121	22,351,400
2063	16,373,924	3,834,126	137,592	20,345,641
2064	15,025,867	3,610,561	120,203	18,756,631
2065	13,753,353	3,389,531	105,539	17,248,423
2066	12,686,721	3,171,558	93,191	15,951,470

Schedule SB Attachment (Form 5500)—2023 Plan Year
Marathon Petroleum Retirement Plan
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Plan Year	Active Participants	Terminated Vested Participants	Retired Participants and Beneficiaries Receiving Payments	Total
2067	11,675,700	2,957,142	82,763	14,715,605
2068	10,709,745	2,746,785	73,892	13,530,423
2069	9,803,705	2,541,026	66,255	12,410,986
2070	8,933,198	2,340,428	59,577	11,333,202
2071	8,107,068	2,145,579	53,630	10,306,277
2072	7,319,294	1,957,081	48,239	9,324,613

Schedule SB Attachment (Form 5500)—2023 Plan Year
Marathon Petroleum Retirement Plan
EIN: 31-1537655 PN: 001

Schedule SB, line 32—Schedule of Amortization Bases

Type of Base	Present Value of Installment	Date Established	Years Remaining	Amortization Installment
Shortfall	$ 8,693,593	January 1, 2023	15	$ 796,165

Schedule SB Attachment (Form 5500)—2023 Plan Year
Marathon Petroleum Retirement Plan
EIN: 31-1537655 PN: 001

Schedule SB, line 26a—Schedule of Active Participant Data as of January 1, 2023

Number of Participants, Average Compensation and Average Cash Balance Account

Attained Age	Years of Credited Service									
	<1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40+
	181	229								
	$90,579	$108,505								
<25	$3,336	$13,163								
	396	744	334	5						
	$76,490	$122,954	$137,733							
25-29	$4,248	$21,884	$46,250							
	726	707	921	298	20					
	$41,802	$129,594	$148,066	$158,896	$177,809					
30-34	$10,182	$24,522	$54,621	$84,938	$125,825					
	1,064	656	968	665	760	4				
	$25,852	$130,881	$155,203	$171,031	$180,356					
35-39	$23,144	$25,381	$53,637	$90,432	$130,218					
	1,100	490	772	536	936	330	16			
	$19,000	$140,060	$155,913	$166,503	$182,509	$214,357				
40-44	$33,858	$27,171	$57,701	$89,686	$132,689	$171,131				
	1,005	369	538	430	852	445	184	3		
	$12,941	$131,826	$157,100	$165,122	$179,985	$188,970	$214,757			
45-49	$42,750	$29,437	$64,374	$96,521	$133,140	$155,628	$213,124			
	1,045	329	442	384	686	443	279	222	9	
	$12,574	$137,337	$150,683	$161,021	$169,086	$181,292	$197,102	$209,550		
50-54	$53,384	$34,415	$70,301	$100,986	$137,493	$156,902	$187,824	$217,643		
	860	213	303	262	442	272	140	302	207	19
	$10,328	$137,113	$150,981	$155,337	$165,163	$170,088	$184,504	$208,342	$203,249	
55-59	$57,954	$36,087	$72,895	$96,503	$140,836	$149,072	$162,722	$205,661	$236,986	
	598	124	176	153	271	153	74	143	114	84
	$6,742	$130,316	$139,097	$140,972	$129,103	$128,000	$145,238	$148,919	$145,620	$139,305
60-64	$53,059	$36,500	$68,017	$94,670	$99,796	$105,982	$105,008	$111,849	$120,251	$133,876
	143	33	46	32	70	30	10	35	23	39
	$3,945	$114,190	$163,152	$131,720	$142,336	$125,271		$139,018	$133,751	$125,522
65-69	$60,886	$29,229	$84,465	$100,084	$111,787	$116,693		$104,403	$108,292	$111,612
	20	9	6	8	5	1	2	4	7	12
	$1,035									
70+	$56,915									

Schedule SB Attachment (Form 5500)—2023 Plan Year
Marathon Petroleum Retirement Plan
EIN: 31-1537655 PN: 001

Schedule SB, Part V—Summary of Plan Provisions

Effective Date	The Marathon Petroleum Company LLC Retirement Plan was established in 1988. Effective January 1, 1999, the Petroleum Marketing Retirement Plan (the "PMRP") and the Ashland Inc. and Affiliates Retirement Plan, applicable to Oil Chemical and Atomic Workers International Union Locals No. 3-214 Catlettsburg, Kentucky and 3-505 Catlettsburg, Kentucky (the "P.A.C.E." Plan) were merged into this plan. Effective September 1, 1999, the Northwestern Refinery Pension Plan for Hourly Employees was merged into this plan. The plan is comprised of various Sub-Plans: Refining, Marketing, and Transportation ("RMT") Sub-Plan; Retail Sub Plan; Catlettsburg Refining Sub-Plan; and Northwestern Refinery Sub-Plan. Effective June 30, 2007, the Retail Sub-Plan was spun off from the Marathon Petroleum Company LLC Retirement Plan, and the new Speedway SuperAmerica LLC Retirement Plan was established. Effective October 1, 2010, the plan name was changed to the Marathon Petroleum Retirement Plan. Effective January 1, 2019 members of the Legacy Andeavor Pension Plan are eligible for prospective cash balance benefit accruals. Plan amendments adopted or effective by January 1, 2023 are reflected in this valuation.
Plan Status	Open to new participants meeting eligibility requirements.
Definitions	
Plan Year	January 1 to December 31.
Benefit and Vesting Service	Generally based on elapsed time. Any period of service with an employer commencing on employee's date of hire for vesting service and upon plan participation for benefit service and ending on the date of termination.
Compensation	Total regular annual salary including overtime, bonuses, and commissions.
Average Monthly Compensation	Average monthly compensation in the 36 highest consecutive calendar months during the last 10 years of participation.

Social Security Benefit

Estimated Social Security benefit assuming no future earnings after termination. Calculated at age 62 for retirement eligible employees, otherwise age 65.

Frozen Service Benefit

Monthly benefit payable to a member upon normal retirement equal to [(1) less (2)] times (3):

(1) 60% of final average pay (average of highest 36 consecutive months of last 10 years of service).

(2) 50% of the member's Social Security benefit.

(3) Ratio of actual years of service to 37.5 years, with such ratio not greater than one.

Benefit service under this formula was frozen on December 31, 2009 for all participants. Additionally, final average pay and the Social Security benefit were also frozen on December 31, 2009 for certain highly compensated employees and on December 31, 2012 for all other participants.

Cash Balance Account

Hypothetical accounts established on January 1, 2010 for each participant. Initial account balances are $0 and accounts are credited with pay and interest credits for each year after 2009.

Pay Credits

A percentage of eligible compensation is credited to each participant's account for each year of participation after 2009 based on the participant's attained points (age plus service). For this purpose, all service is included.

Points	Percentage
Under 50	7.00%
50 to 69	9.00%
70 and over	11.00%

Interest Credits

Interest on the opening balance is credited each year based on the greater of 3.0% and the average of the 30-year Treasury rate for August, September, and October of the prior plan year.

Actuarial Equivalence

Conversion of Frozen Service Benefit to Lump Sum

The current interest rate assumption and the RP2000 Combined Healthy Mortality Table weighted 75% male/25% female.

The current interest rate assumption is the lesser of the following annuity rates:

(1) The simple average (rounded to the nearest one quarter of 1%) of PBGC immediate rates in effect on the first day of the months April through September of the prior year.

(2) The PBGC immediate annuity rate in effect on the first day of the plan year.

Effective January 1, 2013, the year-over-year increase in the interest rate will be limited to a certain percentage that varies based on the rate for the current year, as follows:

Rate for Current Year Before Adjustment	Maximum Annual Percentage Increase
0.25%–3.00%	0.25%
3.25%–5.00%	0.50%
5.25% or greater	0.75%

Conversion of Cash Balance Account to Monthly Single Life Annuity

Based on the applicable mortality and interest rates under IRC §417(e)(3).

Other Optional Forms

7% and the RP2000 Combined Healthy Mortality Table weighted 75% male/25% female.

Normal Form of Annuity

Without Spouse

Life annuity.

With Spouse

Joint and survivor annuity actuarially equivalent to the retirement benefit payable for employee's lifetime. Participant receives reduced lifetime benefit and, in event of participant's death, 50% of reduced benefit continued to surviving spouse.

Optional Forms of Annuity

Life annuity; term certain and life annuity; joint and survivor annuity (25%, 50%, 75% or 100%); lump sum. All optional forms are adjusted to be actuarially equivalent to the life annuity.

Refining, Marketing & Transportation (“RMT”) Sub-Plan

Eligibility for Participation	Generally, any regular employee of Marathon Petroleum Corporation, Marathon Petroleum Company LP, Marathon Petroleum Service Company, Marathon Pipe Line LLC, Catlettsburg Refining LLC, Marathon Petroleum Logistics Services LLC (MPLS), MW Logistics Services LLC, Blanchard Refining Company LLC, Speedway LLC and Speedway Prepaid Card LLC may participate under the provisions of this Sub-Plan. Eligibility excludes: collectively bargained employees where the bargaining agreement does not provide for participation; leased employees; employees participating in a multi-employer plan; independent contractors; employees subject to labor agreement which expressly excludes participation; employees of Speedway LLC or Speedway Prepaid Card LLC regularly classified as salary grade 11 or below.
Normal Retirement	
Eligibility	Age 65.
Benefit	Frozen service benefit plus cash balance account. The frozen service benefit is converted to a lump sum and added to the cash balance account or the cash balance account is converted to an annuity and added to the frozen service benefit. Frozen service benefit will be offset by any Ashland Pension Plan benefit or Marathon Oil Company Pension benefit accrued upon transfer to MPC. Such offset will only be applied to those employees whose benefits, liabilities, and assets were not transferred to MPC in 1998. In addition, benefit will be offset by any benefit payable by the Catlettsburg Refining LLC Sub Plan or the Northwestern Refinery Sub-Plan. For employees whose benefits, liabilities, and assets were transferred to MPC, the frozen service benefit will be no less than the benefit accrued at the date of transfer. For the Maleic/Neal employees who entered the plan on July 1, 2005, the frozen service benefit is the greater of the plan benefit based on service earned after July 1, 2005 and the plan benefit based on all service offset by the Ashland Retirement Plan benefit. The December 31, 2009 service and December 31, 2012 pay freeze apply.

Early Retirement	
Eligibility	Age 50 and 10 years of vesting service.
Benefit	Frozen service benefit reduced 3% per year from age 62 and 4% per year from age 59 plus cash balance account.
Vested Termination Benefits	
Eligibility	Three years of vesting service or age 65.
Benefit	Frozen service benefit payable at age 65 (actuarially reduced for early commencement) plus cash balance account.
Preretirement Death Benefit	
Eligibility	Earlier of age 65 and three years of vesting service.
Benefit	The frozen service benefit under the lump sum option is equivalent to 100% of the lump sum of the lifetime form of benefit had the employee retired or terminated on the date of his death. The monthly frozen service benefit annuity form of payment shall be the actuarial equivalent value of the lump sum form as described above. 100% of the cash balance account is payable to the beneficiary.
Death After Early Retirement	
Eligibility	Death after retirement but prior to age 65.
Benefits	50% of the frozen service benefit amount the member was receiving as a lifetime form of benefit.
Death After Vested Termination	
Eligibility	Death after vested termination but prior to commencement of benefit.
Benefits	50% of the frozen service benefit to which the member was entitled as a vested terminated employee. If the member is under age 50 at the time of his death, payment of the frozen service benefit to his spouse will be deferred until the time he would have attained age 50. 100% of the cash balance account is payable to the beneficiary.

Catlettsburg Refining Sub-Plan

Eligibility for Participation	Effective January 1, 2000, the Ashland Inc. and Affiliates Retirement Plan, applicable to Oil, Chemical, and Atomic Workers International Union Locals No. 3-214 Catlettsburg, Kentucky and 3-505 Catlettsburg, Kentucky (the "P.A.C.E." Plan) was merged into the Marathon Petroleum Company LLC Retirement Plan. Effective September 30, 1998, the provisions applicable to Catlettsburg employees were frozen and incorporated into the plan under the Catlettsburg Refining Sub Plan. The provisions as summarized are applicable only to those employees who were members of the Catlettsburg Refining Sub-Plan on September 30, 1998 and January 1, 1999.
Normal Retirement	
Eligibility	Age 65.
Benefit	Annual benefit payable to a member upon normal retirement is equal to the greatest of (1), (2), and (3): (1) $21.78 times credited service prior to October 1, 1989, plus, for each year of credited service after September 30, 1989, the sum of 1.83% of annual compensation which is at a rate not in excess of $6,600 and 2.25% of annual compensation which is at a rate in excess of $6,600. (2) $168 times continuous service adjusted for benefits which would have accrued in the event the member did not participate when first eligible. (3) 1.25% of final average pay times credited service prior to February 1, 1993, plus 1.35% of final average pay times credited service on or after February 1, 1993 (maximum credited service is 35 years). All service for benefit accrual purposes is frozen as of September 30, 1998.
Early Retirement	
Eligibility	Age 55, or any age where attained age and continuous service totals at least 80.

Benefit

Accrued benefit payable at early retirement age reduced according to the following schedule:

Age	Early Retirement Factor	Age	Early Retirement Factor
50	46%	58	88%
51	51%	59	91%
52	56%	60	94%
53	62%	61	97%
54	68%	62	100%
55	75%	63	100%
56	80%	64	100%
57	84%	65	100%

Vested Termination Benefits

Eligibility

Five years of vesting service, effective for members with one or more hours of service after September 30, 1989.

Benefit

Accrued benefit payable at age 65. Payment may commence as early as age 55, subject to a reduction of 6% per year from age 65 to 60 and 4% per year from age 60 to age 55. Member may elect a refund of his contributions with interest in lieu of accrued allowance.

Preretirement Death Benefit

Eligibility

Death in active service after becoming eligible for early retirement or vesting.

Benefit

50% of the benefit which the member would have been entitled to receive as a vested terminated or retired employee under a 50% joint and survivorship benefit. If the member is under age 55 at the time of his death, payment of the benefit to his spouse will be deferred until the time he would have attained age 55.

Death After Vested Termination

Eligibility

Death after vested termination but prior to commencement of benefit.

Benefits

50% of the benefit to which the member was entitled as a vested terminated employee under a 50% joint and survivor benefit. If the member is under age 55 at the time of his death, payment of the benefit to his spouse will be deferred until the time he would have attained age 55.

Normal Form of Annuity	
Without Spouse	Life annuity.
With Spouse	Reduced joint and survivor annuity. Participant receives reduced lifetime benefit and, in event of participant's death, 50% of reduced benefit continued to surviving spouse.
Optional Forms of Annuity	Life annuity; 120 months certain and life annuity; joint and survivor annuity (50%, 66⅔%, or 100%). All optional forms are adjusted to be actuarially equivalent to the life annuity.

Northwestern Refinery

Eligibility for Participation	The Northwestern Refinery Company Pension Plan for Hourly Employees was established in 1963. Effective September 1, 1999, the plan was frozen and merged into the Marathon Petroleum Company LLC Retirement Plan. The provisions as summarized are applicable only to those employees who were members of the Northwestern Refinery Company Pension Plan for Hourly Employees on August 31, 1999.
Normal Retirement	
Eligibility	Age 65.
Benefit	Annual benefit payable to a member upon normal retirement is equal to (1) plus the larger of (2) and (3): (1) For members who are in Local No. 120 and affiliated with Teamsters Council No. 32, $312 ($372 effective June 1, 1999, $384 effective June 1, 2000, $396 effective June 1, 2001, $444 effective June 1, 2002, $456 effective June 1, 2003, $468 effective June 1, 2004, $480 effective June 1, 2005) multiplied by years of service before February 1, 1987. (2) A career average benefit equal to the sum of 1½% of annual compensation which is at a rate not in excess of $12,000 plus 2¼% of annual compensation which is at a rate in excess of $12,000 for each year of service after January 31, 1987. (3) 1% of final average compensation not in excess of $9,000 plus 1½% of final average compensation in excess of $9,000, all multiplied by years of service after January 31, 1987 (up to a maximum of 35 years). All service for benefit accrual purposes is frozen as of August 31, 1999.
Early Retirement	
Eligibility	Age 55, or any age where attained age and continuous service totals at least 80. Members on January 31, 1987 are entitled to benefits earned as of that date, upon attainment of age 50 and completion of 15 years of vesting service.

Benefit

Accrued benefit payable at early retirement age reduced according to the following schedule:

Age	Early Retirement Factor	For Pre-1/31/1987 Benefits	Age	Early Retirement Factor
50	46%	32.2%	58	88%
51	51%	34.3%	59	91%
52	56%	36.6%	60	94%
53	62%	39.1%	61	97%
54	68%	41.8%	62	100%
55	75%		63	100%
56	80%		64	100%
57	84%		65	100%

Vested Termination Benefits

Eligibility

Five years of vesting service.

Benefit

Accrued benefit payable at age 65. Payment may commence as early as age 55, subject to a reduction of 6% per year from age 65 to 60 and 4% per year from age 60 to age 55.

Preretirement Death Benefit

Eligibility

Death in active service after becoming eligible for early retirement or vesting.

Benefit

50% of the benefit which the member would have been entitled to receive as a vested terminated or retired employee under a 50% joint and survivorship benefit. If the member is under age 55 at the time of his death, payment of the benefit to his spouse will be deferred until the time he would have attained age 55.

Death After Vested Termination

Eligibility

Death after vested termination but prior to commencement of benefit.

Benefits

50% of the benefit to which the member was entitled as a vested terminated employee under a 50% joint and survivor benefit. If the member is under age 55 at the time of his death, payment of the benefit to his spouse will be deferred until the time he would have attained age 55.

Normal Form of Annuity	
Without Spouse	Life annuity.
With Spouse	Reduced joint and survivor annuity. Participant receives reduced lifetime benefit and, in event of participant's death, 50% of reduced benefit continued to surviving spouse.
Optional Forms of Annuity	Life annuity; 120 months or more certain and life annuity; joint and survivor annuity (50%, 66⅔%, or 100%). All optional forms are adjusted to be actuarially equivalent to the life annuity.

Legacy Andeavor Pension Plan

Effective Date of Plan and Most Recent Amendment	The plan was originally effective January 1, 1969. It was amended and restated effective January 1, 2014. The most recent amendment reflected is Amendment 10 (signed December 27, 2018). Effective December 31, 2018, benefit accruals for all employees under the plan are frozen. The legacy Andeavor Pension Plan merged into the Marathon Petroleum Company LLC Retirement Plan effective December 31, 2019.
Plan Year	The twelve-month period ending December 31.
Coverage and Participation	A United States employee of Andeavor or one of its subsidiary companies which has adopted this Plan will become a participant on the first day of the month if: 1. Employee has worked 12 consecutive months from date of hire and credited with 1,000 hours or 2. Employee has worked 1,000 hours in a subsequent 12-month period beginning January 1 through December 31 Effective December 31, 2018, the plan is closed to new entrants.
Normal Retirement Date	The later of age 65 and three years of participation in the plan.
Early Retirement Date	A participant is eligible for early retirement when he has reached (i) age 50, if age plus vesting service is greater than or equal to 80, or (ii) both age 55 and completed five years of vesting service. Vesting service will continue to accrue after December 31, 2018.
Eligible Compensation	Amounts paid which are required to be reported on income tax and withholding statement (W-2) inclusive of overtime pay, commissions and normal bonuses but excluding special income because of services overseas, expense allowances, special recognition awards and all other extraordinary compensation. No pay after December 31, 2018 is considered when determining the benefit.

Plan Participants' Contributions	They are not required or permitted.
Optional Forms of Retirement Income	Optional forms of payment include: single life annuity, 10-year certain and life, 50% joint and survivor, 75% joint and survivor, 66⅔% joint and survivor, 66⅔% joint and survivor with 10 years certain option, and lump sum.
Changes in Plan Provisions Since Last Actuarial Valuation	Effective December 31, 2018, benefit accruals for all employees under the plan are frozen.

Final Average Pay Component of Benefit for Service Prior to 2011[1]

Final Average Monthly Compensation	Average of the highest consecutive, 36-month period of eligible compensation in the past 10-year period. Final average monthly compensation is frozen as of December 31, 2018.
Average Final Compensation	Average of high 36-month earnings in last 120 months of Shell earnings. Generally, the same as eligible compensation however, overtime and other bonuses are not included. Average final compensation is frozen as of December 31, 2018.
Social Security Covered Compensation	Average of the Social Security taxable wage bases (in accordance with the Social Security Act in effect on the participant's date of termination) for the 35-year period ending in the calendar year that the participant attains Social Security normal retirement age. Social Security covered compensation is frozen as of December 31, 2018.
Benefit Service	Generally each month of service a participant works, a month of benefit service is earned. Benefit service starts from hire date or date of acquisition if later. Participants earn service from date of hire or from the dates below if acquired participants:

Former Plan Participants	Applicable Date
BP Amoco	September 6, 2001
Golden Eagle	May 17, 2002
LAR (Shell Los Angeles)	May 11, 2007
Shell	August 1, 1998

Effective December 31, 2010, benefit service is frozen[1].

Normal Retirement Benefit
Andeavor Benefit Formula

Sum of (i) and (ii)

(i) 1.10% of participant's final average monthly compensation multiplied by the number of years of benefit service through December 31, 2010[1].

(ii) 0.50% of participant's final average monthly compensation in excess of Social Security covered compensation multiplied by the number of years of benefit service through December 31, 2010[1] to a maximum of 35 years.

[1] For Mandan and LAR Unions, effective dates are January 31, 2012 and April 30, 2012, respectively.

Benefit for Former BP Amoco, Golden Eagle and LAR Participants	Greater of (i) and (ii) where: (i) Andeavor benefit formula above based on Andeavor service from benefit service table above through December 31, 2010[2]. (ii) Andeavor benefit formula above using **all** service (service with Andeavor and prior plan service) through December 31, 2010[1] minus the prior plan frozen benefit. ***Note:*** *Generally, all service in (ii) above is from date of hire, however it is from January 1, 2003 for LAR participants.*
Benefit for Former Shell Participants	Greater of (i) and (ii) below: (i) Andeavor benefit formula above based on Andeavor service from benefit service table above through December 31, 2010. (ii) 1.60% of participant's average final compensation multiplied by benefit service (all periods) through December 31, 2010 minus August 1, 1998 Shell benefit and minus Social Security offset. The Social Security Offset is calculated as 1.50% of the participant's primary Social Security benefit (frozen as of December 31, 2018) multiplied by the projected benefit service to Social Security normal retirement age (max of 33⅓ years) multiplied by benefit service through December 31, 2010 divided by projected benefit service to Social Security normal retirement age (no max). Projected benefit service for this purpose is not frozen at December 31, 2010.

[2] For Mandan and LAR Unions, effective dates are January 31, 2012 and April 30, 2012, respectively.

Early Retirement Benefit

Andeavor, BP Amoco, & LAR Participants

The benefit calculation as defined above based on benefit service (as frozen at December 31, 2010[3]) and pay (as frozen at December 31, 2018) as of early retirement date but reduced according to the schedule below:

Age	Age + Svc > = 80 Percentage of NR Benefit	Age + Svc < = 80 Percentage of NR Benefit
65	100%	100%
64	100%	100%
63	100%	100%
62	100%	100%
61	100%	92.8%
60	100%	85.7%
59	95%	78.6%
58	90%	71.4%
57	85%	64.3%
56	80%	57.1%
55	75%	50.0%
54	70%	N/A
53	65%	N/A
52	60%	N/A
51	55%	N/A
50	50%	N/A

[3] For Mandan and LAR Unions, effective dates are January 31, 2012 and April 30, 2012, respectively.

Former Golden Eagle Participants

The factors above are applied to the Andeavor portion of the benefit (either Andeavor-only or Andeavor-all service).

The factors below are applied to the frozen Golden Eagle benefit based on status at acquisition date:

Service Age Points	< 10 < 55 N/A	10+ < 55 N/A	10+ 55+ N/A	N/A 55+ 85+
65	100%	100%	100%	100%
64	90%	93%	100%	100%
63	82%	87%	100%	100%
62	74%	80%	100%	100%
61	67%	73%	100%	100%
60	61%	67%	100%	100%
59	55%	63%	93%	100%
58	50%	60%	87%	100%
57	46%	57%	80%	100%
56	42%	53%	73%	100%
55	38%	50%	67%	100%
54	35%	46%	N/A	N/A
53	32%	42%	N/A	N/A
52	29%	38%	N/A	N/A
51	27%	35%	N/A	N/A
50	25%	32%	N/A	N/A

Former BP Amoco Participants

In addition to the above benefits, participants who were age 40 and above and not age 50 with at least 15 years of service at acquisition and ultimately qualify for early retirement benefits are eligible for a Special Social Security supplement. This benefit will be paid until the participant attains age 62.

The monthly supplement amount is equal to $50 times vesting service up to 20 years plus $45 times vesting service greater than 20 years. Vesting service for this purpose is limited to service through December 31, 2010[4].

[4] For Mandan and LAR Unions, effective dates are January 31, 2012 and April 30, 2012, respectively.

The supplement is then reduced to reflect age at commencement based on the factors below:

Age	Vesting Service + Age > = 55	Vesting Service + Age < = 55
61	100%	100%
60	100%	100%
59	97%	85%
58	94%	70%
57	91%	55%
56	88%	40%
55	85%	25%
54	77%	10%
53	69%	N/A
52	61%	N/A
51	53%	N/A
50	45%	N/A

Final reduced supplement payable is limited to the amount of the unreduced primary Social Security benefit.

Former Shell Participants

Before Age 65

The greater of (i) and (ii) below:

(i) The total service Shell benefit, calculated as 1.60% times average final compensation.

(ii) Andeavor formula based on service from benefit service table above through December 31, 2010.

After Age 65

The greater of (i) and (ii) below:

(i) The total service Shell benefit, calculated as 1.60% times average final compensation, minus Social Security offset minus August 1, 1998 Shell benefit.

(ii) Andeavor formula based on service from Benefit Service table above through December 31, 2010.

Where amounts above are reduced in accordance with early retirement table. Note that the August 1, 1998 Shell benefit will be offset before age 65 if the participant was eligible at August 1, 1998 for an early retirement benefit.

Death Benefit	A participant is eligible for a death benefit after completing three years of vesting service. The death benefit amount is actuarial equivalent to the survivor portion of a 100% joint & survivor assuming that the participant elected such form of payment immediately preceding their death. The death benefit for the surviving spouse may be paid as a single life annuity or a lump sum at the election of the spouse. The death benefit for a non-spouse beneficiary will be paid as an immediate lump sum.
Vested Benefits Upon Termination of Service	If a participant terminates his service prior to his normal retirement date and has three years of vesting service (five years for terminations before December 31, 2010[1]), the deferred vested benefit is equal to the benefit computed based on pay and service as of the termination date (pay is frozen at December 31, 2018, service is frozen at December 31, 2010[1]). The benefit will commence at normal retirement date, or reduced benefits may commence at any earlier age on an actuarially equivalent basis, where actuarial equivalence is based on GAM-83 unisex mortality and 7.50% interest.
Disability Benefit	A participant is eligible for a disability benefit upon completing three years of vesting service and becoming totally and permanently disabled. The benefit amount is calculated in the same manner as the normal retirement benefit above, however, assuming that pay will continue at the same rate as in effect at time of disability to normal retirement date (frozen at December 31, 2018) and service will continue to December 31, 2010[5].

[5] For Mandan and LAR Unions, effective dates are January 31, 2012 and April 30, 2012, respectively.

Cash Balance Account

Account

A notional account corresponding to each participant reflecting the amount of the employer's obligation to the participant at any given time.

Accrual

On the last day of each plan quarter (or the last day of the month of the participant's date of termination, if earlier), each participant's account shall be credited with:

a. Interest Credits: Using an annual effective rate based on the yield on 30-Year Treasury Securities (but not less than 3.0%) applied to the notional account at the beginning of the quarter; and

b. Salary Credits: Based on a percentage applied to the member's eligible compensation during the quarter, as shown below:

Age at the End of the Quarter	Quarterly Contribution Percentage
Less Than 30	4.5%
30–39	5.5%
40–49	6.5%
50–59	7.5%
60 and Above	8.5%

In addition, acquired BP Carson employees earn an additional 6% (Non-Heritage) or 9% (Heritage) of pay for the period between June 1, 2013 and May 31, 2014.

Salary credits are frozen effective December 31, 2018. Interest credits will continue to be provided after December 31, 2018.

Retirement Benefits

The benefit payable upon early or normal retirement date is a lump sum or annuity that is actuarially equivalent to the participant's cash balance account as of the annuity starting date.

Vested Benefits Upon Termination of Service	A participant is 100% vested upon completion of three years of service and may elect to commence benefits at any time. The termination benefit is equal to the vested cash balance account credited with interest to the annuity starting date. Vesting service will continue to accrue after December 31, 2018.
Death Benefits	The participant's beneficiary will receive a lump-sum benefit equal to 100% of the participant's vested account balance as of the date of death, increased with interest to the payment date.
Disability Benefit	A participant is eligible for a disability benefit upon completing three years of vesting service and becoming totally and permanently disabled. The benefit amount is calculated in the same manner as the Retirement Benefit above, however, assuming that pay and service (i.e., salary credits) will continue at the same rate as in effect at time of disability to normal retirement date. Employees disabled prior to 2011 will begin earning salary credits on January 1, 2011[6] in lieu of additional benefit service under the final average pay formula. Salary credits are frozen as of December 31, 2018.

[6] For Mandan and LAR Unions, effective dates are February 1, 2012 and May 1, 2012, respectively.

Plan Changes Since the Prior Year

The January 1, 2023 valuations reflect the following plan changes:

- An increase in the annual pay limit under IRC section 401(a)(17) from $305,000 in 2022 to $330,000 in 2023 and an increase in the IRC section 415 dollar limit for defined benefit plans from $245,000 in 2022 to $265,000 in 2023.
- An update to the mortality and interest rates for determining minimum lump sum payments under IRC section 417(e)(3) to the applicable rates for the current plan year.
- Effective August 1, 2022, the plan was amended to add an in-service distribution feature that allows active participants who are age 59-1/2 and older to take a distribution of the non-cash balance portion of their benefit.
- An amendment to provide annuities to a select group of inactive participants in pay status.

Changes in Plan Provisions for the January 1, 2022 Valuation

- An increase in the annual pay limit under IRC section 401(a)(17) from $290,000 in 2021 to $305,000 in 2022 and an increase in the IRC section 415 dollar limit for defined benefit plans from $230,000 in 2021 to $245,000 in 2022.
- An update to the mortality and interest rates for determining minimum lump sum payments under IRC section 417(e)(3) to the applicable rates for the current plan year.

Changes in Plan Provisions for the January 1, 2021 Valuation

- An increase in the annual pay limit under IRC section 401(a)(17) from $285,000 in 2020 to $290,000 in 2021.
- An update to the mortality and interest rates for determining minimum lump sum payments under IRC section 417(e)(3) to the applicable rates for the current plan year.

Changes in Plan Provisions for the January 1, 2020 Valuation

The January 1, 2020 valuations reflect the following plan changes:

- An increase in the annual pay limit under IRC section 401(a)(17) from $280,000 in 2019 to $285,000 in 2020 and an increase in the IRC section 415 dollar limit for defined benefit plans from $225,000 in 2019 to $230,000 in 2020.
- An update to the mortality and interest rates for determining minimum lump sum payments under IRC section 417(e)(3) to the applicable rates for the current plan year.
- The legacy Andeavor Pension Plan merged into the Marathon Petroleum Company LLC Retirement Plan effective December 31, 2019.

Changes in Plan Provisions for the January 1, 2019 Valuation

The January 1, 2019 valuations reflect the following plan changes:

- An increase in the annual pay limit under IRC section 401(a)(17) from $275,000 in 2018 to $280,000 in 2019 and an increase in the IRC section 415 dollar limit for defined benefit plans from $220,000 in 2018 to $225,000 in 2019.
- An update to the mortality and interest rates for determining minimum lump sum payments under IRC section 417(e)(3) to the applicable rates for the current plan year.

Other Information to Fully and Fairly Disclose the Actuarial Position of the Plan

Due to software limitations with the electronic filing process, information filed electronically cannot be controlled by the Enrolled Actuary. The values on the signed Schedule SB will govern to the extent there are any differences in the entries filed electronically and the actual data contained on the signed Schedule SB.

Schedule SB Attachment (Form 5500)—2023 Plan Year
Marathon Petroleum Retirement Plan
EIN: 31-1537655 PN: 001

Schedule SB, line 15—Reconciliation of Differences Between Valuation Results and Amounts Used to Calculate AFTAP

The AFTAP for the plan was originally issued September 29, 2023, and reflected unaudited asset values. The valuation results reported on the Schedule SB reflect the audited asset value. The AFTAP was not recertified because the change to the AFTAP was not material. The inputs used in the AFTAP certification are outlined below:

	09/29/2023 Certification
Funding Target	$1,954,026,880
Value of Plan Assets	$2,144,103,155
Funding Standard Carryover Balance	$0
Prefunding Balance	$461,682,245
Annuities Purchased for NHCE's	$263,078,000
Security Posted	0
Certified AFTAP	108.57%

Schedule SB Attachment (Form 5500)—2023 Plan Year
Marathon Petroleum Retirement Plan
EIN: 31-1537655 PN: 001

Schedule SB, line 32—Schedule of Amortization Bases

Type of Base	Present Value of Installment	Date Established	Years Remaining	Amortization Installment
Shortfall	$ 8,693,593	January 1, 2023	15	$ 796,165

Schedule SB Attachment (Form 5500)—2023 Plan Year
Marathon Petroleum Retirement Plan
EIN: 31-1537655 PN: 001

Schedule SB, line 22—Description of Weighted Average Retirement Age

The average retirement age shown in line 22 has been calculated by the valuation system assuming the following retirement probabilities, given that other decrement rates may also be applied simultaneously along with retirement.

(a) Age	(b) Retirement Probability	(c) Expected Retirements	(d) Product (a) × (c)
50	2.18%	249.15	12,457.64
51	2.26%	264.68	13,498.66
52	2.36%	285.18	14,829.15
53	3.22%	395.71	20,972.82
54	5.23%	650.71	35,138.09
55	11.41%	1,398.01	76,890.52
56	9.92%	1,126.07	63,059.79
57	9.69%	1,032.71	58,864.38
58	10.99%	1,101.28	63,874.06
59	13.93%	1,292.09	76,233.59
60	24.82%	2,075.68	124,540.83
61	19.70%	1,289.32	78,648.40
62	21.58%	1,188.28	73,673.53
63	23.70%	1,064.31	67,051.83
64	24.98%	899.91	57,594.28
65	32.68%	924.43	60,087.91
66	34.30%	699.71	46,181.01
67	26.82%	378.68	25,371.81
68	26.84%	294.80	20,046.31
69	34.10%	286.21	19,748.38
70	100.00%	574.72	40,230.72
71	100.00%	14.00	994.00
72	100.00%	15.00	1,080.00
73	80.00%	4.00	292.00
74	100.00%	4.98	368.79
75	100.00%	11.00	825.00
76	100.00%	1.00	76.00
77	100.00%	5.00	385.00
78	100.00%	0.00	0.00
79	100.00%	0.00	0.00
80	100.00%	0.00	0.00
81	100.00%	2.00	162.00
82	100.00%	0.00	0.00
83	100.00%	2.00	166.00
	Total	17,530.63	1,053,342.50
	Weighted Average		60.09

Schedule SB Attachment (Form 5500)—2023 Plan Year
Marathon Petroleum Retirement Plan
EIN: 31-1537655 PN: 001

Schedule SB, line 19—Discounted Employer Contributions

Year applied for contributions: 2023

Date	Amount	Days to Discount to 1/1/2023 at 5.31%	Interest Adjusted Contribution
September 11, 2024	$ 92,000,000	619	$ 84,280,004
Total Contribution	$ 92,000,000		$ 84,280,004

Marathon Petroleum
Retirement Plan
Financial Statements and
Independent Auditor's Report
December 31, 2023 and 2022

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Marathon Petroleum Retirement Plan

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GJC

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INDEPENDENT AUDITOR'S REPORT

October 11, 2024

To the Participants and Plan Administrator
Marathon Petroleum Retirement Plan

Opinion

We have audited the financial statements of the Marathon Petroleum Retirement Plan (the "Plan"), an employee benefit plan subject to the Employee Retirement Income Security Act of 1974, as amended ("ERISA"), which comprise the statement of net assets available for benefits as of December 31, 2023, and the related statement of changes in net assets available for benefits for the year then ended, as well as 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 the changes in its net assets available for benefits for the year then ended, in accordance with accounting principles generally accepted in the United States of America ("U.S. GAAP").

Basis for Opinion

We conducted our audit in accordance with auditing standards generally accepted in the United States of America ("U.S. 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 audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Other Matter — Prior-Year Financial Statements

The financial statements of the Plan as of, and for the year ended, December 31, 2022 were audited by other auditors whose report dated October 11, 2023 expressed an unmodified opinion on those statements.

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INDEPENDENT AUDITOR'S REPORT (CONTINUED)

Responsibilities of Management for the Financial Statements

The Plan's 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 available to be issued.

The Plan's 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 U.S. 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 in 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 U.S. GAAS:

- We exercise professional judgment and maintain professional skepticism throughout the audit.

- We identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and we 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.

INDEPENDENT AUDITOR'S REPORT (CONTINUED)

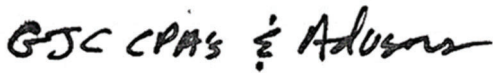
Auditor's Responsibilities for the Audit of the Financial Statements (continued)

- We 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.

- We evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, and we evaluate the overall presentation of the financial statements.

- We 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.



Cincinnati, Ohio

Marathon Petroleum Retirement Plan
Statements of Net Assets Available for Benefits
December 31, 2023 and 2022

	December 31, 2023	December 31, 2022
Assets		
Investments		
Plan's Interest in Marathon Petroleum Master Retirement Trust, at fair value	$ 1,944,059,198	$ 1,735,956,380
Plan's Interest in Marathon Petroleum Group Trust, at fair value	23,403,310	27,652,752
Total Investments	1,967,462,508	1,763,609,132
Receivables		
Employer Contributions	92,000,000	185,000,000
Receivable from Met Tower Life	—	8,994,969
Total Receivables	92,000,000	193,994,969
Total Assets	2,059,462,508	1,957,604,101
Net Assets Available for Benefits	$ 2,059,462,508	$ 1,957,604,101

The accompanying notes are an integral part of these financial statements.

Marathon Petroleum Retirement Plan
Statements of Changes in Net Assets Available for Benefits
Years Ended December 31, 2023 and 2022

Additions/(Reductions)	2023	2022
Investment Activity		
Net investment gain/(loss) from Plan's Interest in Marathon Petroleum Master Retirement Trust	$ 249,761,868	$ (557,480,147)
Net investment (loss)/gain from Plan's Interest in Marathon Petroleum Group Trust	(4,152,771)	6,322,141
Net Investment Activity	245,609,097	(551,158,006)
Contributions		
Employer contributions	92,000,000	185,000,000
Total Additions/(Reductions)	337,609,097	(366,158,006)
Deductions		
Benefit payments	229,178,639	295,567,339
Fees & administrative expenses	6,572,051	7,816,859
Purchase of annuity contract (Net of refund, See Note 1)	—	254,083,031
Total Deductions	235,750,690	557,467,229
Net Increase/(Decrease)	101,858,407	(923,625,235)
Net Assets Available for Benefits, Beginning of Year	1,957,604,101	2,881,229,336
Net Assets Available for Benefits, End of Year	$ 2,059,462,508	$ 1,957,604,101

The accompanying notes are an integral part of these financial statements.

Marathon Petroleum Retirement Plan
Notes to Financial Statements
December 31, 2023 and 2022

Note 1 - Description of the Plan

The following description of the Marathon Petroleum Retirement Plan (the "Plan") provides only general information. Participants should refer to the Plan document for a more complete description of the Plan's provisions. The Plan is subject to the applicable provisions of the Internal Revenue Code of 1986, as amended ("Code") and the Employee Retirement Income Security Act of 1974, as amended ("ERISA").

General

The Plan was adopted on April 1, 1998. The Plan is a non-contributory employer defined benefit pension plan covering eligible employees of Marathon Petroleum Company LP ("MPC") and other participating employers. The Plan is sponsored by MPC. The Northern Trust Company is the Plan's trustee ("Trustee"). Fidelity Investments is the record keeper for the Plan.

The Plan consists of: a base plan, which sets forth Plan provisions generally applicable to all Plan components; a "Marathon component"; a "Catlettsburg Component"; a "Northwestern Component"; a base plan for the Catlettsburg and Northwestern Components, and, an "Andeavor Component."

Pension Benefits

Marathon Component

Generally, any employee of a participating employer who is either a United States citizen (or performs services in the United States) is eligible to participate in the Plan; except that the Plan excludes individuals regularly classified as follows: (1) union employees (unless their collective bargaining agreement provides for their participation); (2) leased employees; (3) employees participating in another employer-sponsored retirement plan other than a Section 401(k) plan; (4) independent contractors; and (5) contract employees whose contracts exclude their participation.

Employees hired prior to January 1, 2010, vest in their benefit at the earlier of attainment of the normal retirement age of 65 or after completion of five years of vesting service, as defined by the Plan. Effective January 1, 2010, vesting service for current eligible employees changed to the completion of three years of vesting service. Early retirement benefits payable under the legacy benefits portion of the Plan are reduced proportionately based on the early retirement factors as described in the Plan. The Plan provides single life annuity, joint and survivorship annuities, and other optional forms of benefit payment, including a lump sum payment. The Plan also provides surviving spouse benefits. The total amount of the Plan's monthly retirement benefit is the legacy benefit plus the cash balance benefit (as described below). Accruals under the legacy benefit were frozen as of January 1, 2010, but participants who had a legacy benefit as of such date were eligible for compensation updates through December 31, 2012.

The interest rate as determined by the current Plan provisions for purposes of calculating lump sums of participants' legacy benefits is limited to an annual increase as determined by the following table:

Calculated Annual Plan Rate (Unadjusted)	Maximum Annual Plan Rate Increase
$\geq$ 0.00 – 6.00	0.25%
$\geq$ 6.00 – 8.00	0.50%
$\geq$ 8.00	0.75%

If, however, the Plan provisions for calculating the annual lump sum interest rates result in a rate lower than the previous year's published Plan rate, such lower rate will be used without regard to any cap on the size of the reduction.

The amount of the monthly retirement legacy benefit of a participant who retires on their normal retirement date with at least 37 years and 6 months of Plan participation is 60 percent of the participant's "final average pay" less 50 percent of the participant's primary social security benefit. Final average pay is the highest total gross pay (as defined by the Plan) of a participant for any consecutive 36-month period during

their final 10 years of active employment (ending on December 31, 2012), divided by 36. "Primary social security benefit" is the participant's estimated monthly social security benefit based on the social security law and benefit levels in effect on December 31, 2012.

Effective January 1, 2010, the Plan was amended to add a cash balance component. The cash balance design uses an annual pay credit formula, calculated on a point schedule using a participant's age plus service and a monthly interest crediting rate tied to the greater of the 30-year Treasury Bill rate or 3 percent.

Catlettsburg Component

The Catlettsburg Component applies to union represented employees who were employed at MPC's Catlettsburg, Kentucky facility prior to October 1, 1998. The Catlettsburg Component was frozen on October 1, 1998, such that no additional service and no additional compensation after September 30, 1998 is taken into account for benefit accrual purposes.

Benefit accrual service in the Catlettsburg Component is the largest of the following three calculations based on years of service and compensation:

a) The career average benefit equal to the sum of: (1) the product of (i) 50 percent, and (ii) the total contributions, if any, made by a participant to the Plan during the period of time beginning on March 1, 1951 and ending on July 31, 1967, inclusive; (2) the product of (i) 75 percent and (ii) the total contributions, if any, made by a participant to the Plan during the period of time beginning on August 1, 1967 and ending on April 30, 1969, inclusive; (3) for each year of credited service, if any, of a participant after April 30, 1969 and before October 1, 1989, the sum of (i) 1.5 percent of that part of such participant's compensation for such year which is at an annual rate not in excess of $6,600 plus (ii) 2.25 percent of that part of such participant's compensation for such year which is at an annual rate in excess of $6,600; (4) for each year of crediting service (not to exceed 35 years) after September 30, 1989, the sum of (i) 1.83 percent of compensation less than $6,600, (ii) 2.25 percent of compensation in excess of $6,600, and (iii) the product of $21.78 and number of years of credited service prior to October 1, 1989; or

b) The minimum benefit equal to the difference between (i) product of $168 and years of continuous service less (ii) an amount determined from calculation (a) above; or

c) The alternate minimum benefit equal to the sum of (i) the product of number of years of credited service (maximum of 35 years) prior to February 1, 1993 and 1.25 percent of the participant's final average compensation and (ii) the product of number of years of credited service (maximum of 35 years combined with (i)) on or after February 1, 1993 and 1.35 percent of the participant's final average compensation.

The total benefit payable from the Plan for Catlettsburg Component participants consists of (i) their cash balance benefit under the Marathon Component, (ii) their monthly legacy retirement benefit under the Marathon Component offset by their benefit under the Catlettsburg Component, and (iii) their monthly benefit under the Catlettsburg Component.

Northwestern Component

The Northwestern Component applies to certain Teamsters union represented current and former employees at MPC's St. Paul Park, Minnesota facility. Effective September 1, 1999, the Northwestern Component was frozen as to participation and further benefit accruals.

Benefit accrual service in the Northwestern Component is composed of two separate segments: eligible service prior to February 1, 1987, and eligible service subsequent to January 31, 1987, and through August 31, 1999. Normal pension benefits for Northwestern Component participants is equal to the sum of the benefit accrual rate multiplied by years and fractional years of service prior to February 1, 1987, and the larger of (a) the career average benefit for each year after January 31, 1987, and through August 31, 1999, calculated as the sum of 1.5 percent of compensation less than $12,000 and 2.25 percent of compensation in excess of $12,000 or (b) the product of years and fractional years of credited service and 1 percent of the final average compensation not in excess of $9,000 and 1.5 percent of final average compensation in excess of $9,000.

The total benefit payable from the Plan for Northwestern Component participants consists of (i) their cash balance benefit under the Marathon Component, (ii) their monthly legacy retirement benefit under the Marathon Component offset by their benefit under the Northwestern Component, and (iii) their monthly benefit under the Northwestern Component.

Andeavor Component

The Andeavor Pension Plan was merged with and into the Marathon Petroleum Retirement Plan to form a single plan, effective at the close of December 31, 2019. Benefits under the Andeavor Component consist of cash balance type and final average pay or similar types of benefits, as applicable to participants. All of these benefits are frozen as to further benefit accruals, provided, that cash balance benefits continue to accrue interest credits.

Plan Amendments

Pursuant to an amendment adopted on September 27, 2022, the Plan was amended effective August 1, 2022, to permit participants age 59-1/2 and above to take an in-service distribution of their legacy type benefit(s) under the Plan.

Pursuant to an amendment adopted on June 6, 2022, the Plan was amended effective January 1, 2022, to modify the Plan's definition of "highly compensated employee" to use and reflect MPC's election of the "top-paid group" election for the determination of highly compensated employees.

Pursuant to an amendment adopted on May 31, 2022, the Plan was amended effective May 31, 2022,to provide for service crediting for participants who are former employees of BOE North Dakota.

Pursuant to an amendment adopted on May 23, 2022, the Plan was amended effective May 24, 2022, to provide for the annuity purchase for substantially all of the Plan's participants and beneficiaries in pay status (i.e., receiving benefit payments in the form of monthly annuities). Refer to the "Annuity Purchase" summary below.

Pursuant to an amendment adopted on January 23, 2023, the Plan was amended effective January 1, 2023, to revise the Plan's provisions for the plan administrator and investment committee structure, and to clarify the Plan's rules for the determination of the interest rate used for calculating lump sum distributions of participants' legacy benefits under the Marathon Component.

Pursuant to an amendment adopted on March 30, 2023, the Plan was amended effective April 1, 2023, to provide for the appointment of an assistant plan administrator.

Pursuant to amendment adopted on June 14, 2023, the Plan was amended effective April 1, 2023, to provide that the plan administrator may appoint an assistant plan administrator.

Pursuant to an amendment adopted on July 10, 2023, the Plan was amended effective June 20, 2023, to appoint a new member of the committee that serves as the plan administrator.

Pursuant to an amendment adopted on December 7, 2023, the Plan was amended effective for distributions occurring after December 31, 2023, to increase the small benefit cash-out limit from $5,000 to $7,000.

Annuity Purchase

On May 31, 2022, MPC and Metropolitan Tower Life Insurance Company ("Met Tower Life") entered into an irrevocable group annuity contract pursuant to which MPC transferred to Met Tower Life approximately $263.078 million of Plan obligations and Met Tower Life assumed responsibility for pension benefits and annuity administration for approximately 2,500 retirees and beneficiaries. The initial purchase price for the group annuity contract was $263.078 million and was funded by the assets of the Plan, however, since the Plan received back approximately $8.995 million from Met Tower Life due to changes in participant and beneficiary status updates since the date of the original group annuity contract, this returned amount for $8.995 million was netted with the original paid amount for $263.078 million, and the net amount for $254.08 million was reported under annuity purchases in the statement of changes in net position. Further, the returned amount for $8.995 million was reported as a receivable to the Plan in the Statement of Net Assets Available for Benefits as of December 31, 2022.

In 2024, the group annuity contract was revised as to certain participants' benefits covered under the contract, resulting in the Plan's payment of an additional $52,717 to Met Tower Life to fund the contract revision for those participants.

Note 2 - Significant Accounting Policies

Basis of Accounting

The accompanying financial statements of the Plan were prepared using the accrual method of accounting in accordance with accounting principles generally accepted in the United States of America ("US GAAP").

Use of Estimates

The preparation of financial statements in accordance with US GAAP requires Plan management to make estimates and assumptions that affect the reported amounts of assets and liabilities and the disclosure of contingent assets and liabilities and the actuarial present value of accumulated plan benefits as of the dates of the financial statements and the reported amounts of additions and deductions during the respective reporting periods. Actual amounts could differ from those estimates and assumptions.

Investment Valuation and Income Recognition

Investments are reported at fair value. Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. See Note 4 for a discussion of fair value measurements.

Purchases and sales of securities are recorded on a trade-date basis. Interest income is recorded on the accrual basis. Dividends are recorded on the ex-dividend date. Net appreciation/(depreciation) in fair value of investments includes gains and losses on investments bought and sold as well as held during the year, and expenses related to the Plan's investment portfolio.

Contributions

Contributions to the Plan are recorded in the period that the Plan's actuary determines they relate to except that a contribution receivable is recorded to the extent that amounts due are pursuant to formal commitments as well as legal or contractual requirements in existence at the end of the Plan year.

Payment of Benefits

Benefits are recorded when paid.

Administrative Expenses

Expenses incurred in the administration of the Plan are paid out of Plan assets unless MPC, in its discretion, pays such expenses.

Note 3 - Investments

The Plan's assets are held in (a) the Marathon Petroleum Master Retirement Trust (the "Master Retirement Trust") and (b) the Marathon Petroleum Group Trust (the "Group Trust") and both are managed by the Trustee as a directed trustee.

The Master Retirement Trust's assets are allocated between the Plan and the Speedway Retirement Plan based on each plan's proportionate interest in the Master Retirement Trust as calculated on a monthly basis.

The Master Retirement Trust has the following plans and accounts with their respective proportionate interest as of December 31, 2023 and 2022:

	2023	2022
Marathon Petroleum Retirement Plan	93%	96%
Speedway Retirement Plan	7%	4%
	100%	100%

Investment income and administrative expenses relating to the Master Retirement Trust are allocated based on average monthly balances invested by each plan, other than items specific to one or the other plan.

The Group Trust has the following plans with the respective proportionate interest as of December 31, 2023 and 2022:

	2023	2022
Marathon Petroleum Retirement Plan	90%	90%
Speedway Retirement Plan	10%	10%
	100%	100%

Investment income and administrative expenses relating to the Group Trust are allocated based on average monthly balances invested by each plan, other than items specific to one or the other plan.

The following presents the Statements of Net Assets of the Master Retirement Trust as of December 31, 2023 and 2022:

	Master Retirement Trust		Plan's Interest in Master Retirement Trust	
	2023	2022	2023	2022
Investments, at fair value				
Cash equivalents	$ 63,731,199	$ 7,543,074	$ 59,410,151	$ 7,248,512
Equities	968,904,663	848,067,383	903,184,743	814,949,719
Fixed Income	1,090,617,512	976,975,438	1,016,634,837	938,823,819
Investments in securities lending (See Note 7)	69,910,726	56,159,275	65,170,698	53,966,213
Derivative Options and Swaps	150,911	(66,697)	140,679	(64,093)
Total Investments	2,193,315,011	1,888,678,473	2,044,541,108	1,814,924,170
Receivables				
Receivables for Securities sold	23,620,781	9,839,456	22,019,265	9,455,218
Accrued Income	5,438,146	4,205,022	5,069,433	4,040,812
Total Receivables	29,058,927	14,044,478	27,088,698	13,496,030
Total Assets	2,222,373,938	1,902,722,951	2,071,629,806	1,828,420,200
Liabilities				
Payables for Purchased Securities	66,938,411	40,062,060	62,399,910	38,497,607
Securities lending collateral (See Note 7)	69,910,726	56,159,275	65,170,698	53,966,213
Total Liabilities	136,849,137	96,221,335	127,570,608	92,463,820
Net Assets	$ 2,085,524,801	$ 1,806,501,616	$ 1,944,059,198	$ 1,735,956,380

The following presents the Master Retirement Trust Statements of Changes in Net Assets for the years ended December 31, 2023 and 2022:

	2023	2022
Additions/(Reductions)		
Net appreciation/(depreciation) in fair value of investments	$ 230,237,080	$ (620,873,503)
Interest	19,104,238	26,371,951
Dividends	10,786,676	8,412,599
Net change in accrued income	739,557	(3,309,956)
Net investment Income	30,630,471	31,474,594
Total Additions/(Reductions)	260,867,551	(589,398,909)
Net Increase/(Decrease) Before Transfers	260,867,551	(589,398,909)
Transfers In	784,266,609	1,366,763,128
Transfers Out	(766,110,975)	(1,959,175,229)
Net Transfers	18,155,634	(592,412,101)
Net Increase/(Decrease) After Transfers	279,023,185	(1,181,811,010)
Net Assets, Beginning of Year	1,806,501,616	2,988,312,626
Net Assets, End of Year	$ 2,085,524,801	$ 1,806,501,616
Plan's Interest in Net Gain/(Loss) for the Year	$ 249,761,868	$ (557,480,147)

The following presents the Statements of Net Assets of the Group Trust as of December 31, 2023 and 2022:

	Group Retirement Trust		Plan's Interest in Group Retirement Trust	
	2023	2022	2023	2022
Investments, at fair value				
Cash equivalents	$ 63,188	$ 206,085	$ 57,053	$ 186,074
Private Equities	10,315,316	12,604,038	9,313,698	11,380,186
Real Estate	12,346,003	14,221,295	11,147,206	12,840,407
Other	3,194,693	3,593,868	2,884,488	3,244,903
Total Investments	25,919,200	30,625,286	23,402,445	27,651,570
Receivables				
Accrued Income	957	1,309	865	1,182
Total Receivables	957	1,309	865	1,182
Total Assets	25,920,157	30,626,595	23,403,310	27,652,752
Net Assets	$ 25,920,157	$ 30,626,595	$ 23,403,310	$ 27,652,752

The following presents the Group Trust Statements of Changes in Net Assets for the years ended December 31, 2023 and 2022:

	2023	2022
Additions		
Net (depreciation)/appreciation in fair value of investments	$ (975,399)	$ 5,599,423
Interest	5	4,209
Dividends	909,375	1,397,100
Net change in accrued income	(351)	1,307
Net investment Income	909,029	1,402,616
Net (Decrease)/Increase Before Transfers	(66,370)	7,002,039
Transfers Out	(4,640,068)	(31,053,177)
Net Decrease After Transfers	(4,706,438)	(24,051,138)
Net Assets, Beginning of Year	30,626,595	54,677,733
Net Assets, End of Year	$ 25,920,157	$ 30,626,595
Plan's Interest in Net (Loss)/Gain for the Year	$ (4,152,771)	$ 6,322,141

Note 4 - Fair Value Measurements

The fair value measurement accounting literature establishes a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. There are three approaches for measuring the fair value of assets and liabilities: the market approach, the income approach and the cost approach, each of which includes multiple valuation techniques. The fair value hierarchy consists of three broad levels:

- Level 1 inputs consist of unadjusted quoted prices in active markets for identical assets and liabilities. These inputs have the highest priority;
- Level 2 inputs consist of observable market-based inputs or unobservable inputs that are corroborated by market data, and are either directly or indirectly observable as of the measurements date;
- Level 3 inputs are unobservable inputs that are not corroborated by market data and may be used with internally developed methodologies that result in management's best estimate of fair value. These inputs have the lowest priority.

The Plan's investments in the Master Retirement Trust and the Group Trust are reported at fair value in the accompanying statements of net assets available for benefits. The methods used to measure fair value may produce an amount that may not be indicative of net realizable value or reflective of future fair values. Furthermore, although the Plan believes its valuation methods are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine the fair value of certain financial instruments could result in a different fair value measurement at the reporting date. The following provides a description of the valuation techniques employed for each major plan asset category:

- **Cash and cash equivalents** – Cash and cash equivalents include a collective fund serving as the investment vehicle for the cash reserves and cash held by third-party investment managers. The collective fund is valued at net asset value ("NAV") on a scheduled basis using a cost approach, and is considered a Level 2 asset. Cash and cash equivalents held by third-party investment managers are valued using a cost approach and are considered Level 2 assets. The non-Master Retirement Trust cash and cash equivalents include cash on deposit and an investment in a money market mutual fund that invests mainly in short-term instruments and cash, both of which are valued using a market approach and are considered Level 1 assets. The money market mutual fund is valued at the NAV of shares held.

- **Equity** – Equity investments include common and preferred stock, mutual and pooled funds, public and non-public investment trusts, and S&P 500 exchange-traded funds. Common and preferred stock is valued using a market approach. These assets are priced daily in active markets and are considered Level 1 assets. Mutual and pooled equity funds are well diversified portfolios, representing a mix of strategies in domestic, international, and emerging markets. Mutual funds are publicly registered, valued at NAV on a daily basis using a market approach, and are considered Level 1 assets. Pooled funds are valued at NAV using a market approach, and are considered Level 2 assets. Investments in public trusts and S&P 500 exchange traded funds are valued using a market approach at the closing price reported in an active market and therefore are considered Level 1 assets. Non-public investment trusts are considered Level 2 assets and are valued using a market approach based on the underlying investments in the trust, which are publicly traded securities.

- **Fixed Income** – Fixed income investments include corporate bonds, U.S. dollar treasury bonds, and municipal bonds. These securities are priced on observable inputs using a combination of market, income, and cost approaches. These securities are considered Level 2 assets. Fixed income also includes a well-diversified bond portfolio structured as a pooled fund. This pooled fund is valued at NAV on a daily basis using a combination of market, income, and cost approaches. It is considered a Level 2 asset. U.S. dollar denominated bank loans are also a fixed income investment. Based on the price source of these instruments they are categorized as Level 3 assets.

- **Private Equity** – Private equity investments include interests in limited partnerships which are valued using information provided by external managers for each individual investment held in the fund. These holdings are considered Level 3 assets.

- **Real Estate** – Real estate investments consist of interests in limited partnerships. These holdings are either appraised or valued using investment manager's assessment of assets held. These holdings are considered Level 3 assets.

- **Other** – Other investments include two limited liability companies ("LLCs") with no public market. The LLCs were formed to acquire timberland in the northwest United States. These holdings are either appraised or valued using investment manager's assessment of assets held. These holdings are considered Level 3 assets.

- **Derivative Options and Swaps –** The Plan values derivative instruments using pricing models based on the prevailing forward exchange rate of the underlying currencies taking into account the counterparties' creditworthiness.

The following table provides by level within the fair value hierarchy the Master Retirement Trust investments at fair value as of December 31, 2023 and 2022:

	2023	2022
Level 1		
Equity Securities		
Common Stock	$ 50,097,922	$ 40,108,286
Mutual Funds	115,152,927	104,089,532
	165,250,849	144,197,818
Level 2		
Cash Equivalent	63,731,199	7,543,074
Equity Securities		
Pooled Funds	803,653,814	703,869,565
Fixed Income		
Corporate	583,842,281	578,424,536
Government	372,037,859	281,220,376
Pooled Funds	134,737,372	117,330,526
Other – Derivative Options & Swaps	150,911	(66,697)
	1,958,153,436	1,688,321,380
Total Master Retirement Trust investments excluding securities lending, at fair value	$ 2,123,404,285	$ 1,832,519,198

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

	2023	2022
Level 2		
Cash Equivalent	$ 63,188	$ 206,085
	63,188	206,085
Level 3		
Private Equity	10,315,316	12,604,038
Real Estate	12,346,003	14,221,295
Other	3,194,693	3,593,868
	25,856,012	30,419,201
Total Group Trust investments, at fair value	$ 25,919,200	$ 30,625,286

The following table provides a summary of changes in the fair value of the Plan's Level 3 investments in the Group Trust for the year ended December 31, 2023:

	Private Equity	Real Estate	Other
Balance, beginning of year	$ 12,604,038	$ 14,221,295	$ 3,593,868
Realized gains/(losses)	2,018,159	(86,693)	81,416
Unrealized (losses) relating to instruments still held at the reporting date	(5,266,357)	(1,955,821)	(609,627)
Purchases	959,476	167,222	129,036
	$ 10,315,316	$ 12,346,003	$ 3,194,693

The following table provides a summary of changes in the fair value of the Plan's Level 3 investments in the Group Trust for the year ended December 31, 2022:

	Private Equity	Real Estate	Other
Balance, beginning of year	$ 18,766,246	$ 16,554,092	$ 18,325,524
Realized gains/(losses)	2,841,962	2,891,976	7,192,883
Unrealized (losses) relating to instruments still held at the reporting date	(9,991,215)	(6,129,087)	(21,924,539)
Purchases	987,045	904,314	—
	$ 12,604,038	$ 14,221,295	$ 3,593,868

Gains and losses (realized and unrealized) included in changes in net assets for the period above are reported in net appreciation/(depreciation) in fair value of investments in the Statement of Changes in Net Assets Available for Benefits.

The following table provides valuation technique and significant unobservable inputs used in the fair value measurement of Level 3 assets in the Group Trust for the year ended December 31, 2023:

Instrument	Fair Value	Valuation Technique	Unobservable Input	Range
Private Equity[3][4]	$10,315,316	NAV	N/A	N/A
Real Estate[3]	$12,346,003	NAV	N/A	N/A
Other	$3,194,693	Discounted Cash Flows	Discount Rate[1] Revenue Growth[2]	5.3-6.5%

The following table provides valuation technique and significant unobservable inputs used in the fair value measurement of Level 3 assets in the Group Trust for the year ended December 31, 2022:

Instrument	Fair Value	Valuation Technique	Unobservable Input	Range
Private Equity[3][4]	$12,604,038	NAV	N/A	N/A
Real Estate[3]	$14,221,295	NAV	N/A	N/A
Other	$3,593,868	Discounted Cash Flows	Discount Rate[1] Revenue Growth[2]	5.3-6.5%

[1]As much as 0.5 percent of the discount rate is for exit premium.

[2]Revenue Growth is calculated using projections of future harvest volumes, physical measurement and statistical information of timber inventory, future timber prices and expenses.

[3]The remaining lives of such investments range from less than one year to up to twelve years.

[4]Investments are valued at NAV, unless it is determined that this does not represent fair value. In such instances, fair value is estimated in accordance with the Plan's valuation practices. Such adjustments decreased the fair value of private equity funds by an immaterial amount.

Note 5 - Derivative Instruments

The Plan (through the Master Retirement Trust) may enter into foreign currency forward exchange contracts primarily to hedge against foreign currency exchange rate risks on its U.S. dollar denominated investment securities. When entering into a forward currency contract, the Plan agrees to receive or deliver a fixed quantity of foreign currency for an agreed-upon price on an agreed future date. The Plan's net equity therein, representing unrealized gain or loss on the contracts, as measured by the difference between the forward foreign exchanges rates at the dates of entry in the contracts and the forward rates at the reporting date is included in the Master Retirement Trust's statement of net assets. Realized and unrealized gains and losses are included in the Master Retirement Trust's statement of changes in net assets. These instruments involve market risk, credit risk, or both kinds of risks in excess of the amount recognized in the statement of net assets. Risks arise from the possible inability of counterparties to meet the terms of their contracts and movement in currency and securities values and interest rates. The year-end balance is indicative of the average volume during the year.

The following table provides the aggregate fair value of assets and liabilities of the Master Retirement Trust's derivatives not under hedge accounting included in derivative financial instruments and foreign exchange contracts receivable/payable as reported in the statements of net assets available for benefits at December 31, 2023 and 2022:

	December 31, 2023			December 31, 2022		
	Asset	Liability	Notational (a)	Asset	Liability	Notational (a)
Central Counterparty Swaps	2,410,829	(2,040,685)	—	3,864,886	(3,042,071)	—
Swaps	56,276	(31,529)	—	55,375	(4,133)	—
Swaptions	—	(243,980)	(83,155,000)	1,316,430	(2,257,184)	(16,660,000)

(a) Represents fair value of foreign currency contracts and underlying principal value for all other derivatives.

At December 31, 2023 and 2022, there were no derivatives accounted for as cash flow or fair value hedges and no amounts recognized in accumulated other comprehensive income. Accordingly, for the year ended December 31, 2023, there were no gains or losses related to derivatives recognized in, or reclassified from, other comprehensive income.

Gains and losses on derivative financial instruments are recognized as fair values change. Generally, gains and losses on the derivative financial instruments held would be offset by similar fair value gains and losses on the related securities. The following table provides changes in fair value of the Master Retirement Trust's derivatives not under hedge accounting included in net appreciation in fair value of investments as reported in the Master Retirement Trust's statement of changes in net assets available for benefits for the years ended December 31, 2023 and 2022:

	For the Year Ended December 31, 2023	For the Year Ended December 31, 2022
	Gain/(Loss)	Gain/(Loss)
Central Counterparty Swaps	(452,672)	1,592,724
Options	—	26,134
Swaps	(26,494)	(96,686)
Swaptions	696,774	(433,048)

Note 6 - Accumulated Plan Benefits

A third party actuary determines the actuarial present value of accumulated plan benefits. The amount results from applying actuarial assumptions to adjust the accumulated plan benefits earned by the participants to reflect the time value of money (through discounts for interest) and the probability of payment (by means of decrements for termination after becoming vested, death, disability, withdrawal, and retirement) between the valuation date and the expected date of payment.

The significant actuarial assumptions used in determining accumulated plan benefits as of January 1, 2023 are as follows:

Interest Rate	7.00%
Mortality Rates	Pri-2012 table, projected generationally from 2012 using scale MP-2021
Average Retirement Age	62

The actuarial assumptions are based on the presumption that the Plan will continue. If the Plan is terminated, different actuarial assumptions and other factors might be applicable in determining the actuarial present value of accumulated plan benefits.

The accumulated plan benefits information as of January 1, 2023 is as follows:

Actuarial present value of accumulated Plan benefits		
Vested benefits		
Participants currently receiving payments	$	27,402,809
Other participants		1,584,807,741
Total vested benefits		1,612,210,550
Nonvested benefits		45,009,685
Total actuarial present value of accumulated Plan benefits	$	1,657,220,235

The change in the actuarial present value of accumulated plan benefits from last actuary valuation, to current actuary valuation date, is attributed to the following:

Actuarial present value of accumulated Plan benefits as of January 1, 2022	$	1,968,317,482
(Decrease)/increase during the year attributable to		
Benefit payments		(549,650,370)
Interest accumulation		97,596,662
Actuarial assumptions		(167,711,759)
Benefits accumulated, net of experience gain or loss or changes in data		308,668,220
Net change		(311,097,247)
Actuarial present value of accumulated Plan benefits as of January 1, 2023	$	1,657,220,235

The computations of actuarial present value of accumulated Plan benefits were made as of January 1, 2023. Had the valuations been performed as of December 31, 2022, there would be no material difference.

Note 7 - Securities Lending Activities

The Plan participates in a securities lending program within the Master Retirement Trust through the Trustee. Under this program, the Plan's investment securities are loaned to pre-approved investment brokers for a fee. Securities loaned are fully collateralized by cash, letters of credit, and acceptable securities. The initial collateral level is no less than 100% of the market value of securities lent for loans collateralized by assets that are denominated in United States dollars. However, if the collateral is for any loaned securities that are foreign securities that are principally cleared and settled outside the United States, or any other loaned securities, then the initial collateral is no less than 105% and 102% of the market value of the securities lent, respectively. Marking to market is performed every business day. All borrowers are required to provide additional collateral if the market value of securities lent falls below the required collateral level.

At December 31, 2023, securities with an aggregate market value of $68,279,555, were on loan to brokers that provided cash collateral and $10,168,029 were on loan to brokers that provided non-cash collateral. The loans were secured by cash collateral of $69,910,726 and non-cash collateral of $10,446,577 at December 31, 2023. At December 31, 2022, securities with an aggregate market value of $54,718,790, were on loan to brokers that provided cash collateral and $3,448,889 were on loan to brokers that provided non-cash collateral. The loans were secured by cash collateral of $56,159,275 and non-cash collateral of $3,549,315 at December 31, 2022. For the years ended December 31, 2023 and 2022, the Plan earned $135,679 and $150,069, respectively, from securities lending.

Note 8 - Funding Policy

The actuarial cost method used for funding of the Plan is the "projected unit credit" method of actuarial valuation. The funding policy provides that MPC will contribute amounts necessary to maintain the Plan on a sound actuarial basis and in accordance with the minimum funding requirements of the Code and ERISA plus any additional amounts which may be approved from time to time. Payments were made in the amount of $92 million in 2024 for the 2023 plan year. Payments were made in the amount of $185 million in 2023 for the 2022 plan year. Minimum required funding has been met for the 2023 and 2022 plan years.

Note 9 - Risks and Uncertainties

The Plan invests in various investment securities which are exposed to various risks, such as interest rate, credit and overall market 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 the amounts reported in the statements of net assets available for benefits.

Plan contributions are made and the actuarial present value of accumulated plan benefits are reported based on certain assumptions pertaining to interest rates, inflation rates and employee demographics, all of which are subject to change. Due to uncertainties inherent in the estimations and assumptions process, it is at least reasonably possible that changes in these estimates and assumptions in the near term would be material to the financial statements.

Note 10 - Party-In-Interest Transactions

Fees paid by the Plan to the Trustee, in its capacity as the Plan's Trustee, for 2023 and 2022 were $267,657 and $504,902, respectively.

The Trustee has been identified as party-in-interest and these transactions are exempt from the prohibited transaction rules.

Note 11 - Plan Termination

Although it has not expressed any intent to do so, MPC has retained the right to amend, terminate, or otherwise modify the Plan, including the right to discontinue the contributions thereto, at any time, solely at the discretion of MPC. In the event of the termination of the Plan, the assets thereof shall be distributed in accordance with Section 4044 of ERISA. The Plan is a covered plan under the plan termination insurance provisions of ERISA, and the PBGC guarantees the payments of certain benefits thereunder. Should the Plan terminate at some future time, its net assets generally will not be available on a pro rata basis to provide participants' benefits. Whether a particular participant's accumulated plan benefits will be paid depends on both the priority of those benefits and the level of benefits guaranteed by the PBGC at that time. Some benefits may be fully or partially provided for by the then existing assets, while other benefits may not be provided for at all.

Note 12 - Income Tax Status

The Internal Revenue Service ("IRS") has determined, and informed MPC by letter dated July 22, 2021, that the Plan is qualified under Section 401(a) of the Code. Although the Plan has been amended subsequent to the amendments covered by the determination letter, the Plan Administrator and the Plan's tax counsel believe that the Plan, as amended, is designed and is currently being operated in compliance with the applicable requirements of the Code.

Accounting principles generally accepted in the United States require plan management to evaluate uncertain tax positions taken by the Plan. The financial statement effects of a tax position are recognized when the position is more likely than not, based on the technical merits, to be sustained upon examination by the IRS. The Plan Administrator has analyzed the tax positions taken by the Plan, and has concluded that as of December 31, 2023 and 2022, there are no uncertain positions taken or expected to be taken. The Plan has recognized no interest or penalties related to uncertain tax positions. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress.

Note 13 - Commitments

At both December 31, 2023 and 2022, the Plan's allocation of additional funding commitments related to various real estate and limited partnership investments in the Group trust amounted to $7.7 million.

Note 14 - Subsequent Events

Subsequent events were evaluated through October 11, 2024 which is the date the financial statements were available to be issued.

Pursuant to an amendment adopted on July 9, 2024, the Plan was amended effective January 1, 2024,to (i) clarify the Plan's provisions as to the post-normal retirement age actuarial increase of legacy type benefits under the Plan's components, (ii) clarify the Plan's provisions as to participant elections to commence their benefits after normal retirement age, (iii) update the Plan's forfeiture provisions as to unclaimed benefits; (iv) provide a revised time limit for filing a legal action regarding a claim under the Plan; and (v) specify the court venue for any legal action against the Plan.

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

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) ____

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
Marathon Petroleum Retirement Plan

1b Three-digit plan number (PN) ▶ 001

1c Effective date of plan 04/01/1998

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)
Marathon Petroleum Company LP

539 South Main Street

Findlay OH 45840

2b Employer Identification Number (EIN) 31-1537655

2c Plan Sponsor's telephone number (419) 422-2121

2d Business code (see instructions) 324110

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	Duane F Boecker	10-15-24	Duane F Boecker Plan Administrator
	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. 230728

APPROVED AS TO FORM GRS

3a Plan administrator's name and address ☐ Same as Plan Sponsor

Duane F Boecker Plan Administrator

539 South Main Street

Findlay OH 45840

3b Administrator's EIN: 93-3402507

3c Administrator's telephone number: (419) 422-2121

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**	22,827
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	**6a(1)**	17,542
a(2)	Total number of active participants at the end of the plan year	**6a(2)**	17,916
b	Retired or separated participants receiving benefits	**6b**	298
c	Other retired or separated participants entitled to future benefits	**6c**	4,749
d	Subtotal. Add lines **6a(2)**, **6b**, and **6c**.	**6d**	22,963
e	Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.	**6e**	164
f	Total. Add lines **6d** and **6e**.	**6f**	23,127
g(1)	Number of participants with account balances as of the beginning of the plan year (only defined contribution plans complete this item)	**6g(1)**	
g(2)	Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)	**6g(2)**	
h	Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested	**6h**	219
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:

1A 1C 3F 3H

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

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 _____
- (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_____